

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012545.D
 Acq On : 20 Sep 2019 10:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:29:30 AM

Quant Time: Sep 20 16:22:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	186442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	136527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	127460	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.48	113	93455	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	8.71	98	338789	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	138664	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57799	46.494	ug/l	99
3) Chloromethane	1.31	50	50117	48.894	ug/l	100
4) Vinyl Chloride	1.40	62	53694	48.467	ug/l	100
5) Bromomethane	1.62	94	21008	48.267	ug/l	95
6) Chloroethane	1.71	64	38198	44.061	ug/l	97
7) Trichlorofluoromethane	1.92	101	103883	51.153	ug/l	99
8) Diethyl Ether	2.18	74	46515	50.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66269	45.100	ug/l	99
10) Methyl Iodide	2.50	142	59226	47.239	ug/l	98
11) Tert butyl alcohol	3.03	59	151532	222.989	ug/l	100
12) 1,1-Dichloroethene	2.36	96	52126	44.470	ug/l	99
13) Acrolein	2.28	56	55498	236.438	ug/l	100
14) Allyl chloride	2.72	41	135517	49.658	ug/l	100
15) Acrylonitrile	3.12	53	288590	249.232	ug/l	99
16) Acetone	2.43	43	331467	272.192	ug/l	99
17) Carbon Disulfide	2.56	76	70813	42.980	ug/l	100
18) Methyl Acetate	2.76	43	137464	49.369	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	326561	51.096	ug/l	97
20) Methylene Chloride	2.84	84	79478	49.147	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	60507	49.709	ug/l	96
22) Diisopropyl ether	3.84	45	323095	50.565	ug/l	98
23) Vinyl Acetate	3.80	43	1373168	261.247	ug/l	99
24) 1,1-Dichloroethane	3.68	63	153597	50.241	ug/l	99
25) 2-Butanone	4.65	43	455371	245.678	ug/l	99
26) 2,2-Dichloropropane	4.56	77	140188	46.625	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	92360	50.794	ug/l	97
28) Bromochloromethane	5.00	49	78779	49.983	ug/l	98
29) Tetrahydrofuran	5.11	42	256720	250.713	ug/l	100
30) Chloroform	5.19	83	169517	48.280	ug/l	99
31) Cyclohexane	5.56	56	92502	50.122	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	143591	48.931	ug/l	99
36) 1,1-Dichloropropene	5.78	75	92308	49.685	ug/l	97
37) Ethyl Acetate	4.81	43	151441	53.104	ug/l	99
38) Carbon Tetrachloride	5.76	117	113762	49.234	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	92728	51.342	ug/l	99
40) Benzene	6.12	78	305646	51.736	ug/l	96
41) Methacrylonitrile	5.02	41	90484	49.276	ug/l	98
42) 1,2-Dichloroethane	6.18	62	140224	51.174	ug/l	100
43) Isopropyl Acetate	6.43	43	263609	51.502	ug/l	100
44) Trichloroethene	7.20	130	81962	52.740	ug/l	98
45) 1,2-Dichloropropane	7.50	63	93963	51.769	ug/l	98
46) Dibromomethane	7.65	93	61629	52.470	ug/l	98
47) Bromodichloromethane	7.89	83	138392	52.917	ug/l	98
48) Methyl methacrylate	7.76	41	124793	51.722	ug/l	99
49) 1,4-Dioxane	7.73	88	58139	990.058	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	853602	254.303	ug/l	99
52) Toluene	8.78	92	200101	52.563	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	146553	53.908	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	156163	55.486	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	103119	52.578	ug/l	98
56) Ethyl methacrylate	9.17	69	161792	52.762	ug/l	99
57) 1,3-Dichloropropane	9.36	76	165831	52.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	440625	277.593	ug/l	99
59) 2-Hexanone	9.48	43	664680	253.818	ug/l	98
60) Dibromochloromethane	9.57	129	108630	54.376	ug/l	100
61) 1,2-Dibromoethane	9.67	107	97501	54.432	ug/l	100
64) Tetrachloroethene	9.33	164	74719	59.386	ug/l	94
65) Chlorobenzene	10.14	112	236792	52.251	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	102746	54.629	ug/l	99
67) Ethyl Benzene	10.25	91	408294	52.440	ug/l	98
68) m/p-Xylenes	10.35	106	297909	105.160	ug/l	100
69) o-Xylene	10.70	106	153636	52.734	ug/l	99
70) Styrene	10.71	104	277844	53.902	ug/l	100
71) Bromoform	10.85	173	78598	48.619	ug/l #	99
73) Isopropylbenzene	11.01	105	432750	50.518	ug/l	100
74) N-amyl acetate	10.89	43	238607	51.737	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	167139	49.739	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	164605m	52.487	ug/l	
77) Bromobenzene	11.25	156	107458	51.436	ug/l	99
78) n-propylbenzene	11.35	91	486113	50.915	ug/l	99
79) 2-Chlorotoluene	11.42	91	304928	49.093	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	370511	50.716	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52996	46.616	ug/l	98
82) 4-Chlorotoluene	11.51	91	361332	50.688	ug/l	99
83) tert-Butylbenzene	11.76	119	381798	48.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	381708	50.886	ug/l	99
85) sec-Butylbenzene	11.94	105	434414	50.360	ug/l	99
86) p-Isopropyltoluene	12.06	119	402734	50.844	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	203608	51.810	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	207657	51.441	ug/l	99
89) n-Butylbenzene	12.39	91	351884	49.789	ug/l	99
90) Hexachloroethane	12.59	117	71808	49.441	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	205955	50.142	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	43815	50.294	ug/l	99

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QLast Update : Tue Sep 17 15:27:10 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	142755	53.958	ug/l	99
94) Hexachlorobutadiene	13.78	225	59878	48.020	ug/l	97
95) Naphthalene	13.83	128	509094	54.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143841	53.353	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

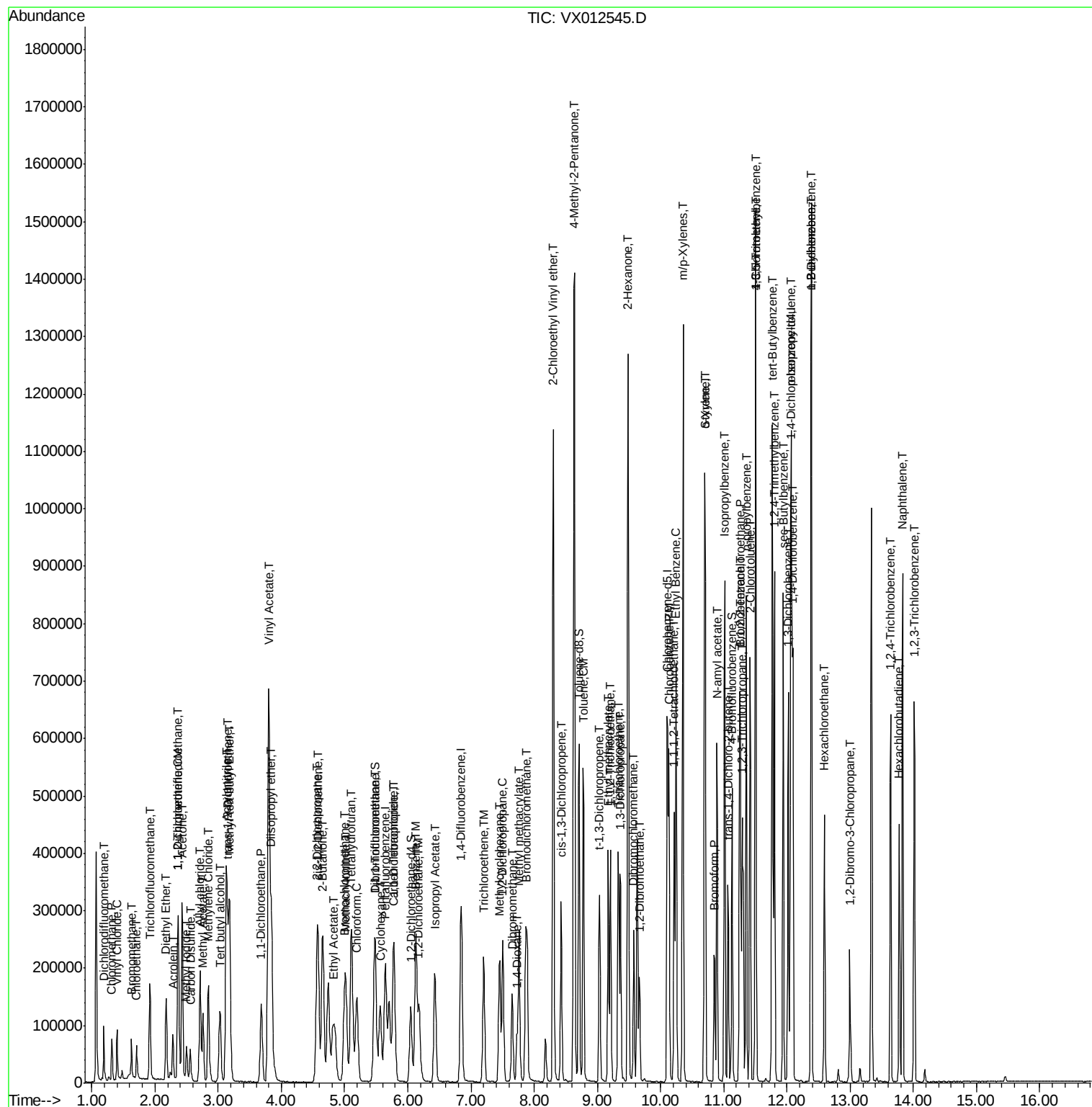
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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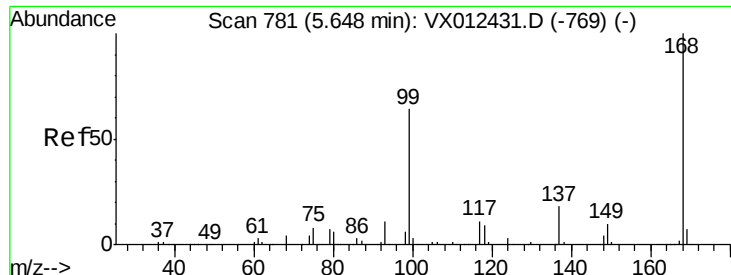
Instrument :
 MSVOA_X
 ClientSampleID :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 186442

Ion Ratio Lower Upper

168 100

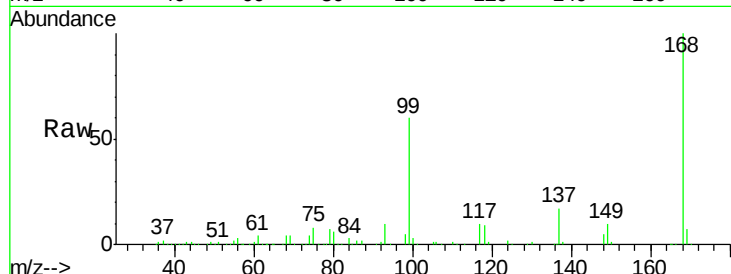
99 60.1 51.4 77.2

Manual Integrations

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9/23/2019 11:29:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

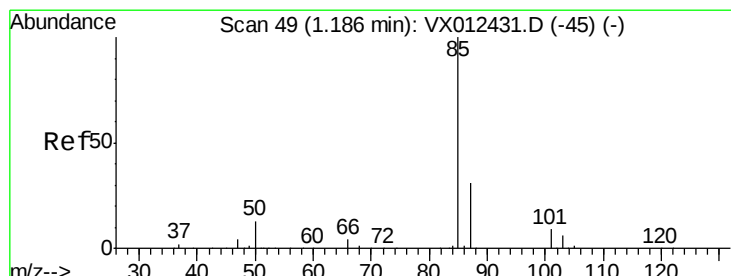
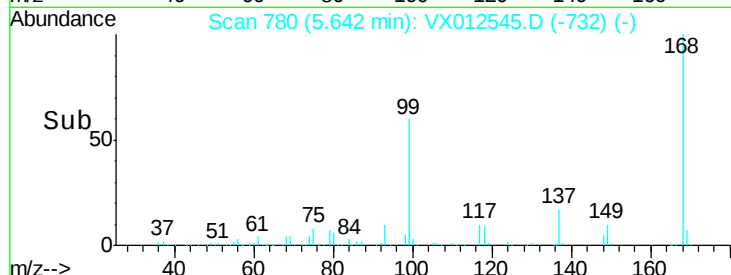
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.494 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012545.D

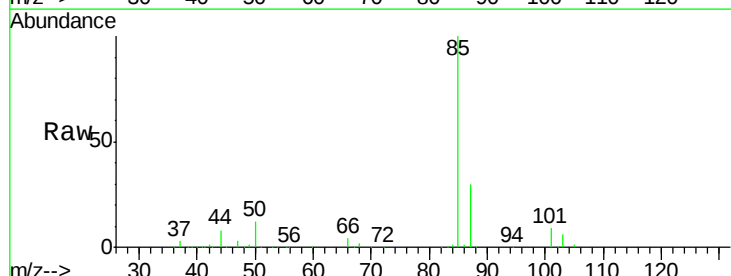
Acq: 20 Sep 2019 10:16

Tgt Ion: 85 Resp: 57799

Ion Ratio Lower Upper

85 100

87 30.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

50000

40000

30000

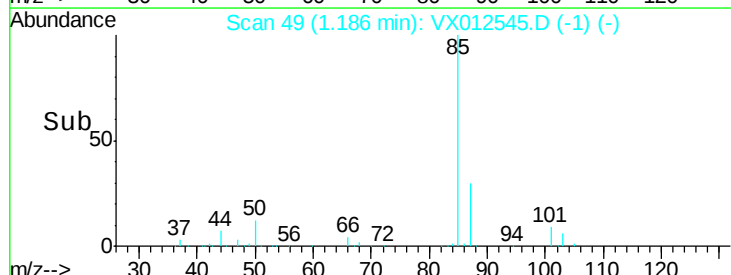
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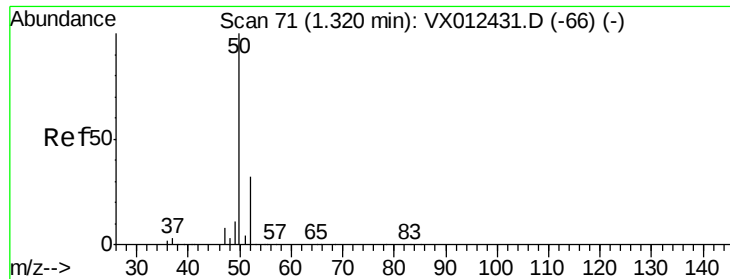
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.894 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 50117

Ion Ratio Lower Upper

50 100

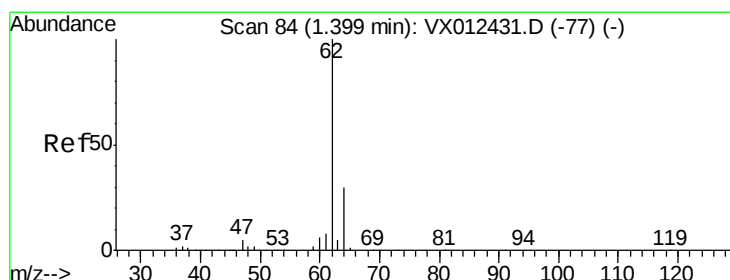
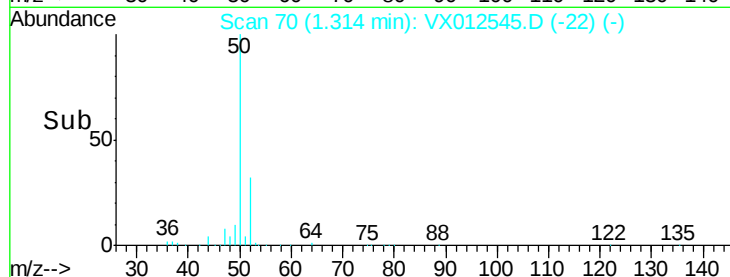
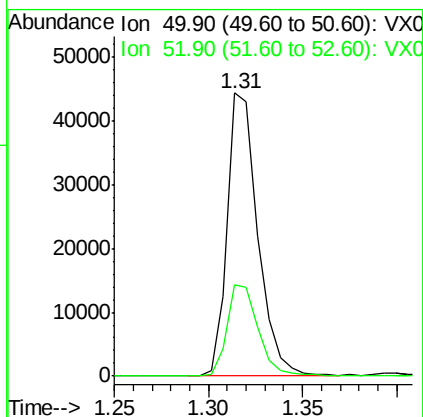
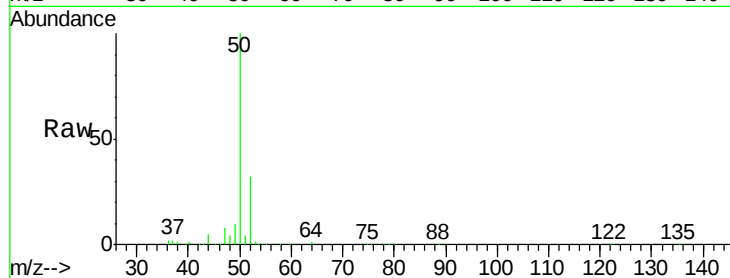
52 32.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.467 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012545.D

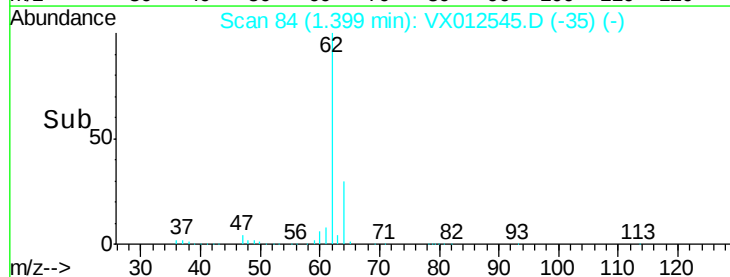
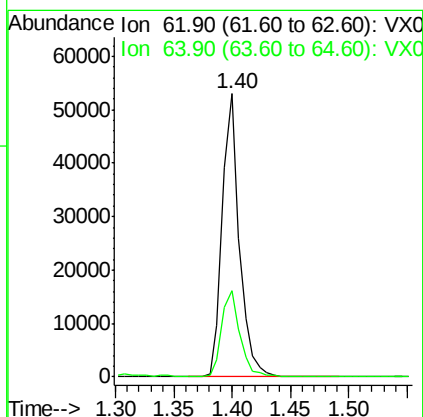
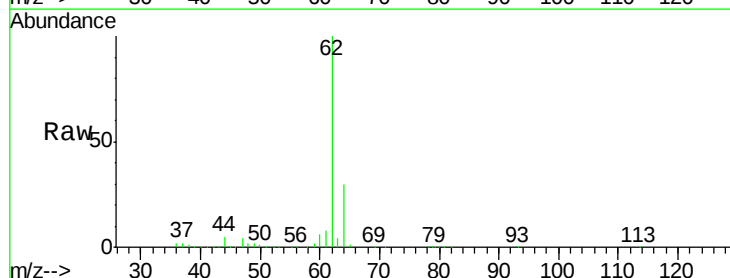
Acq: 20 Sep 2019 10:16

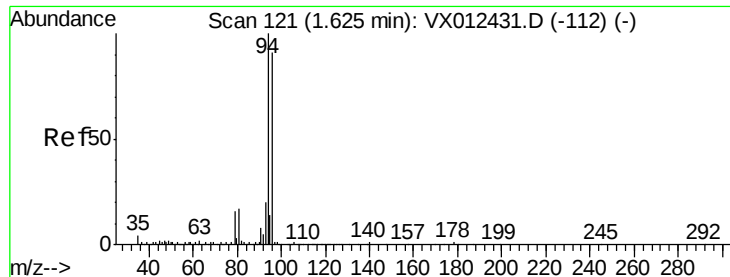
Tgt Ion: 62 Resp: 53694

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.2





#5

Bromomethane

Concen: 48.267 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 21008

Ion Ratio Lower Upper

94 100

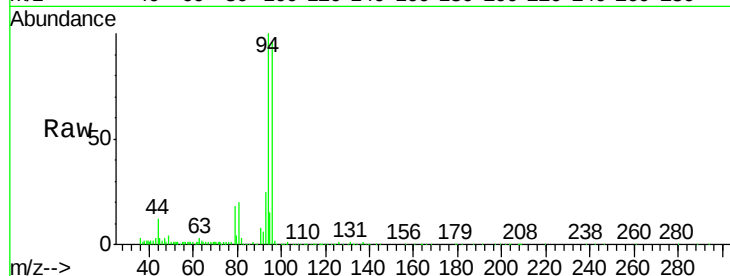
96 96.0 72.8 109.2

Manual Integrations

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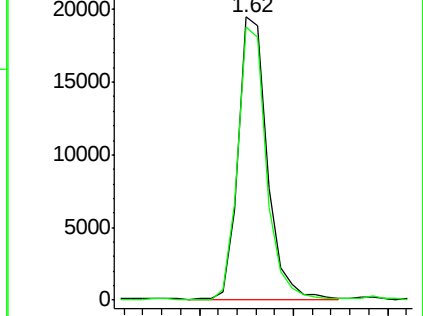
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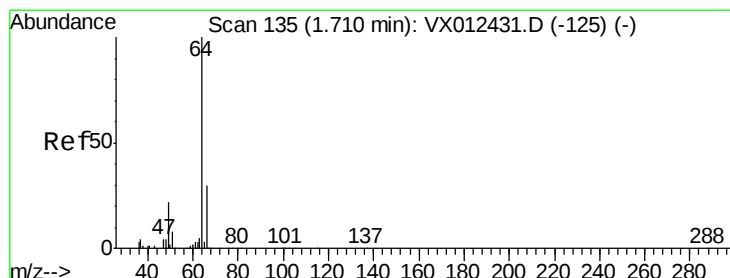
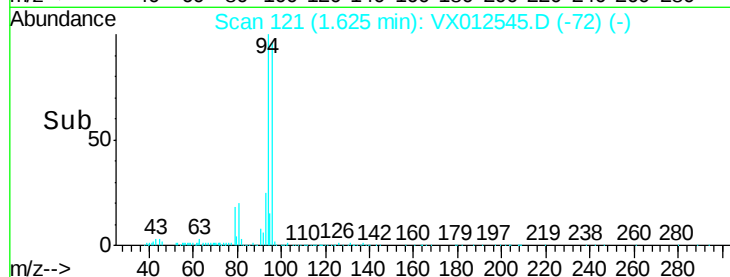


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 44.061 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012545.D

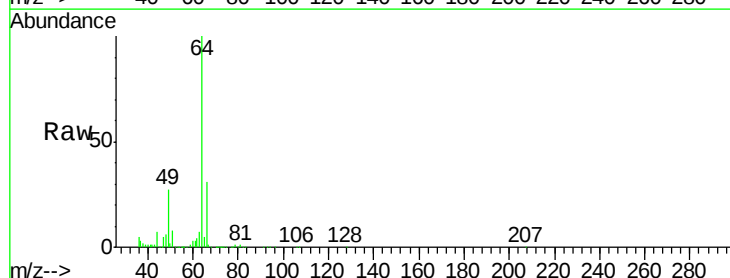
Acq: 20 Sep 2019 10:16

Tgt Ion: 64 Resp: 38198

Ion Ratio Lower Upper

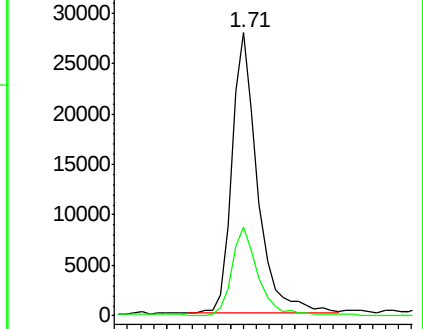
64 100

66 31.6 24.0 36.0

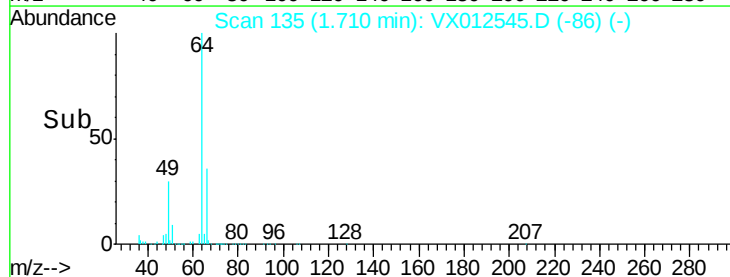


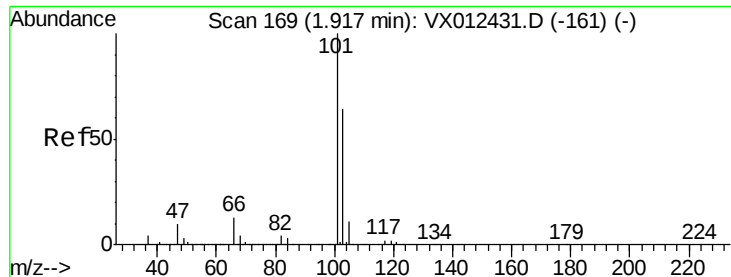
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

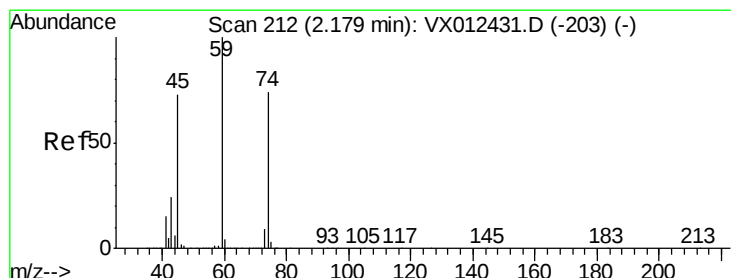
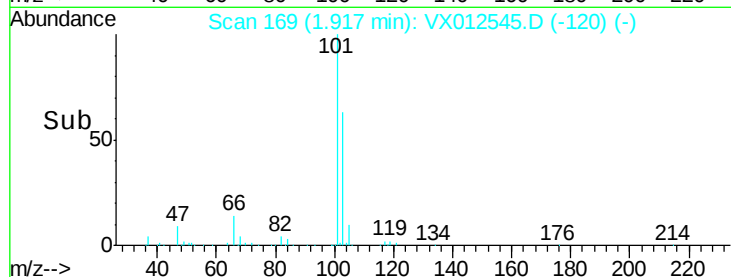
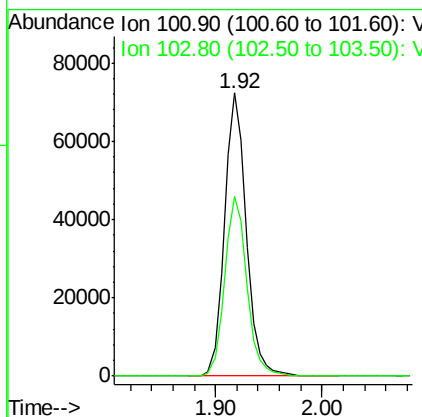
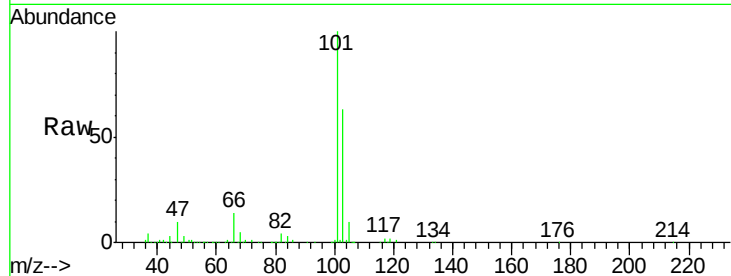
Trichlorofluoromethane
Concen: 51.153 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.0	76.4

Manual Integrations
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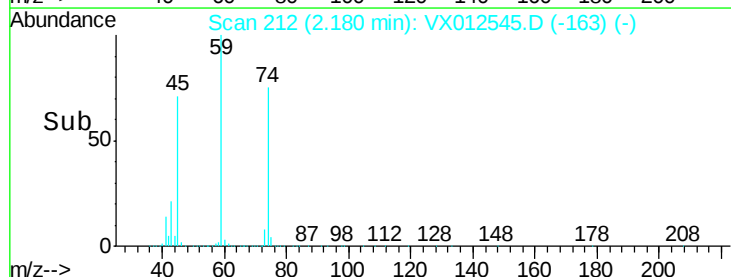
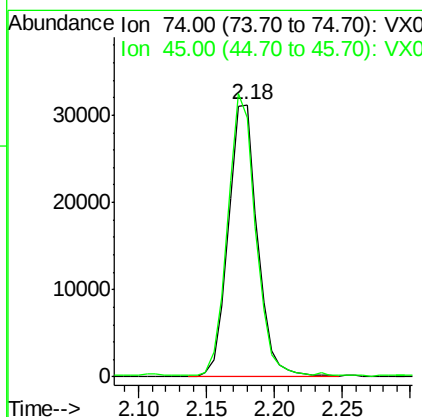
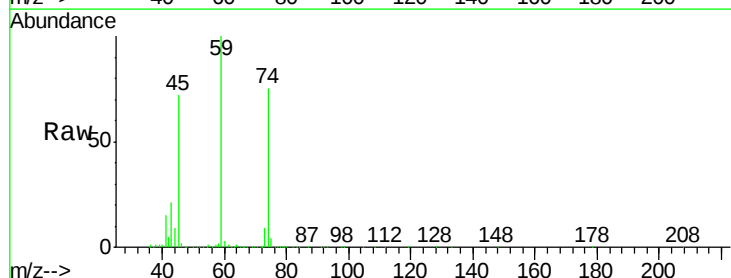
MMDadoda
9/23/2019 11:29:30 AM

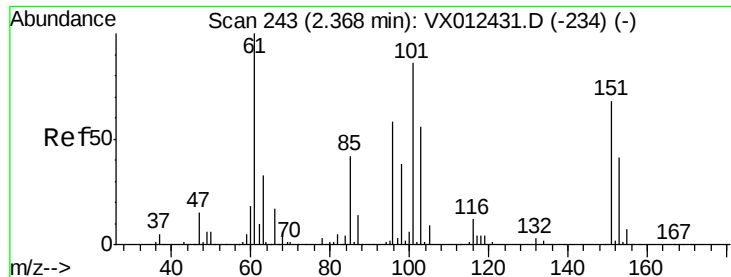


#8

Diethyl Ether
Concen: 50.710 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.100 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

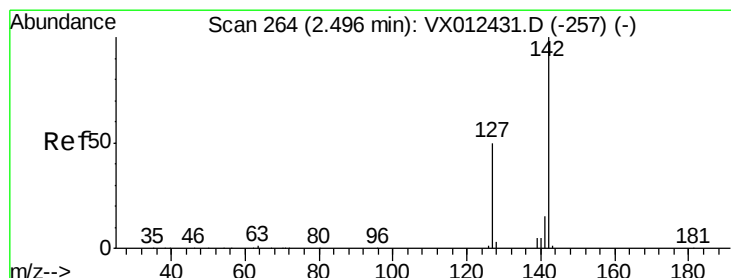
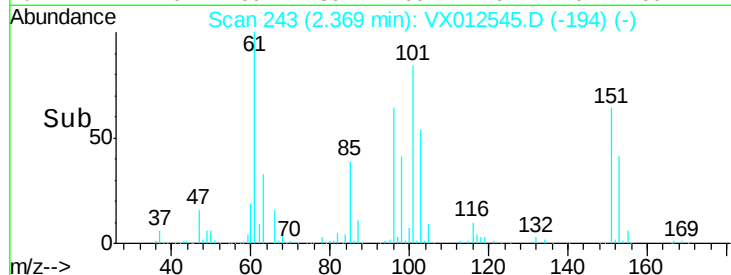
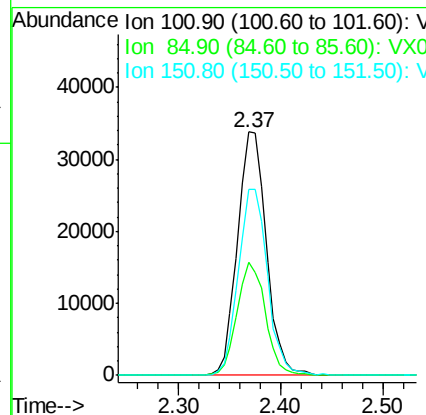
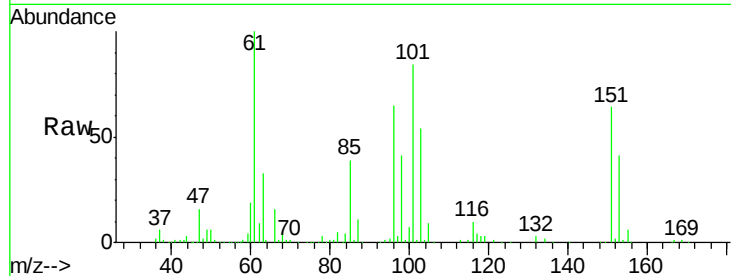
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	66269
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.3	55.9
151	77.0	61.0	91.4

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#10

Methyl Iodide

Concen: 47.239 ug/l

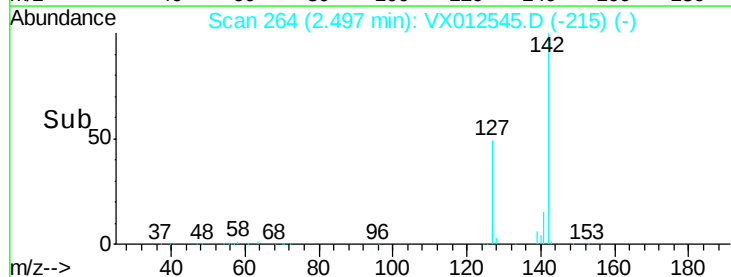
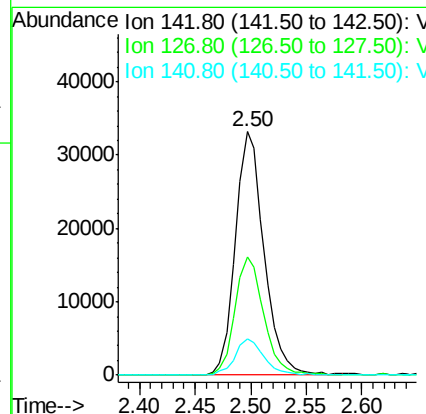
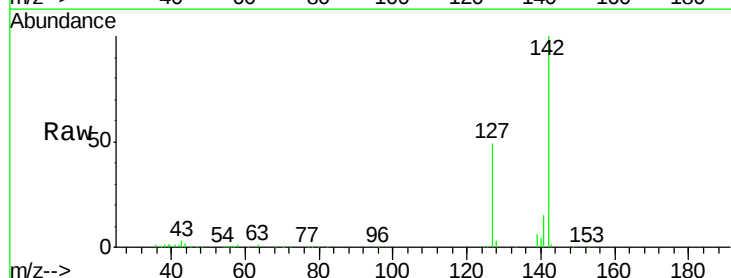
RT: 2.50 min Scan# 264

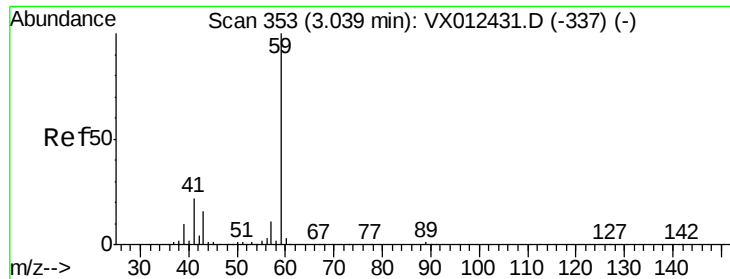
Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion:	142	Resp:	59226
Ion Ratio	Lower	Upper	
142	100		
127	48.9	40.8	61.2
141	15.0	12.1	18.1





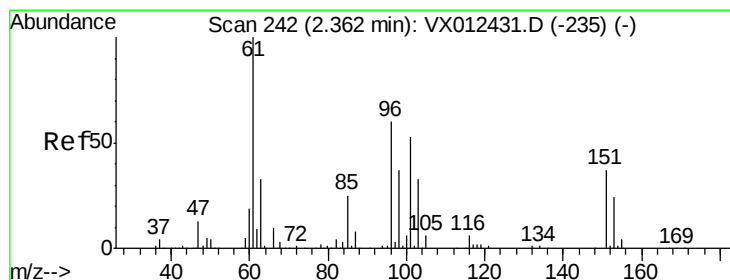
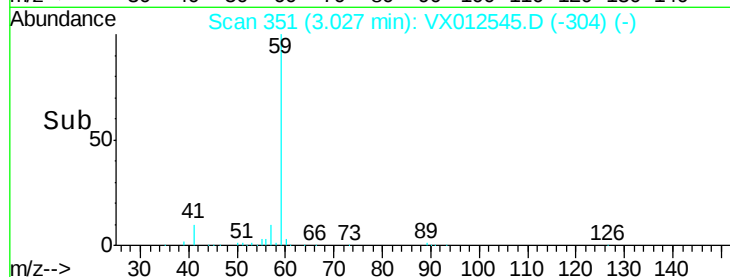
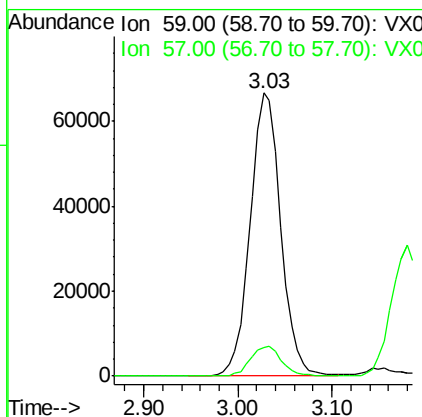
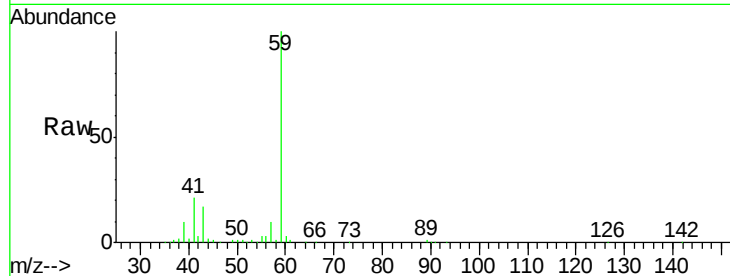
#11
Tert butyl alcohol
Concen: 222.989 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

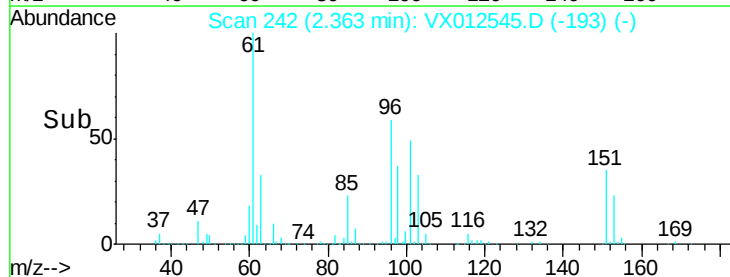
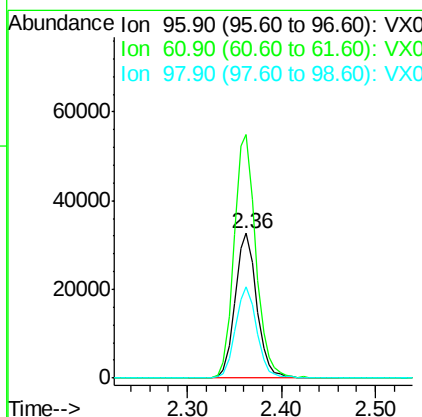
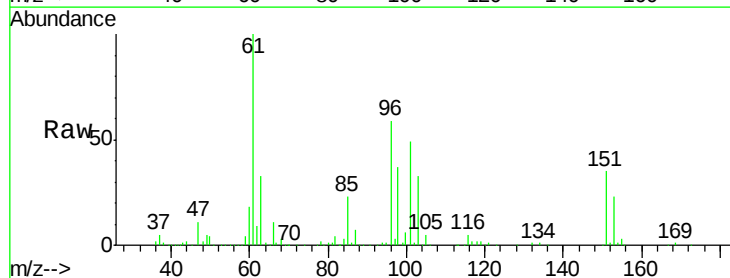
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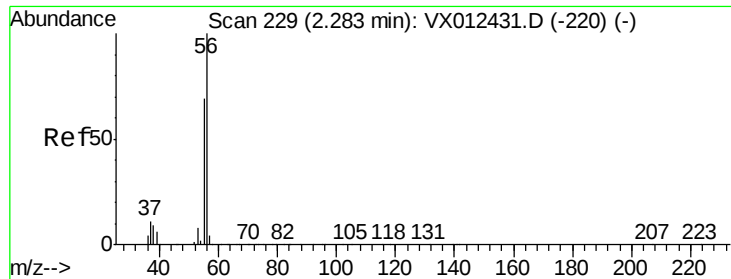
MMDadoda
9/23/2019 11:29:30 AM



#12
1,1-Dichloroethene
Concen: 44.470 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	133.8	200.6
98	62.7	49.9	74.9





#13

Acrolein

Concen: 236.438 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55498

Ion Ratio Lower Upper

56 100

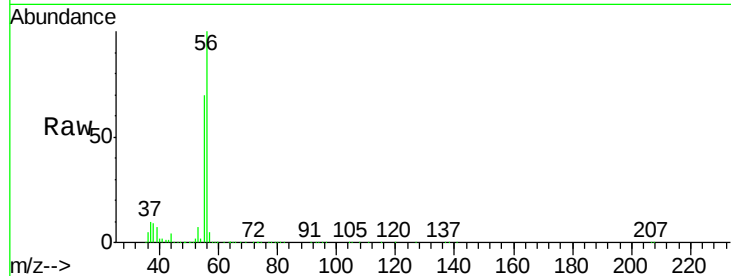
55 69.5 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

40000

30000

20000

10000

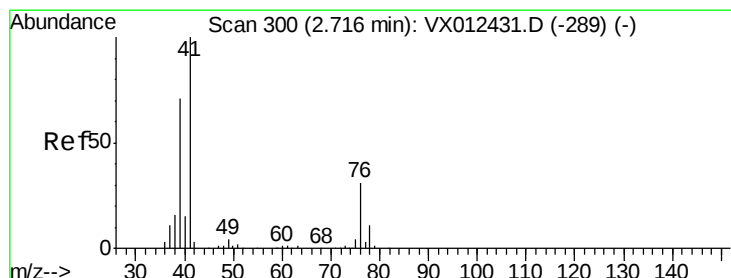
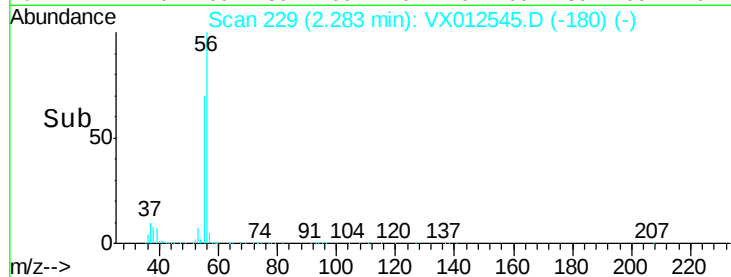
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 49.658 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

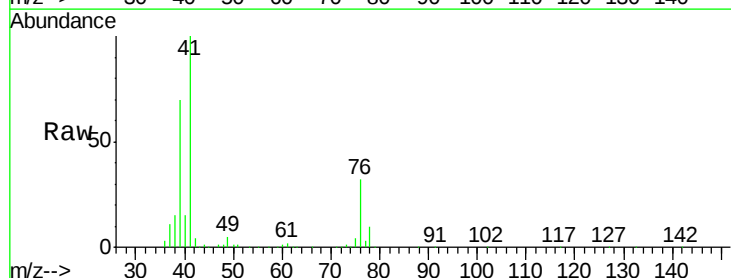
Tgt Ion: 41 Resp: 135517

Ion Ratio Lower Upper

41 100

39 64.1 51.3 76.9

76 28.4 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

40000

20000

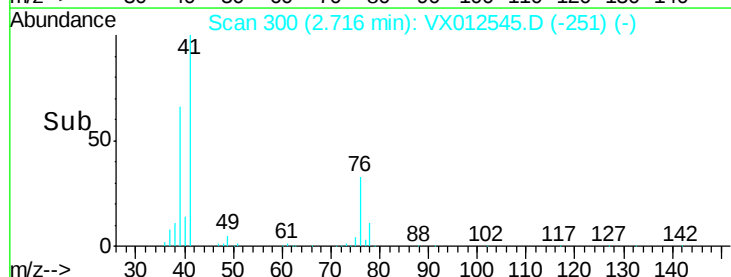
0

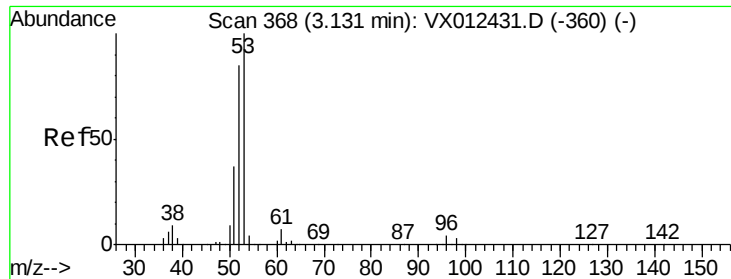
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 249.232 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

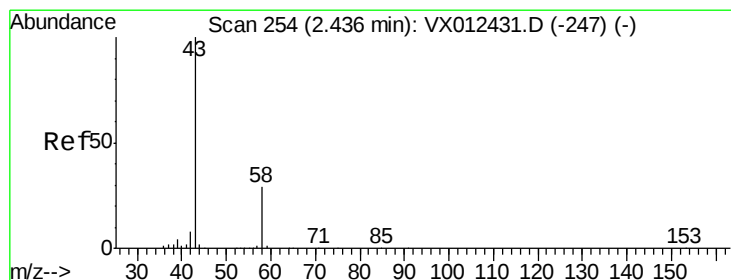
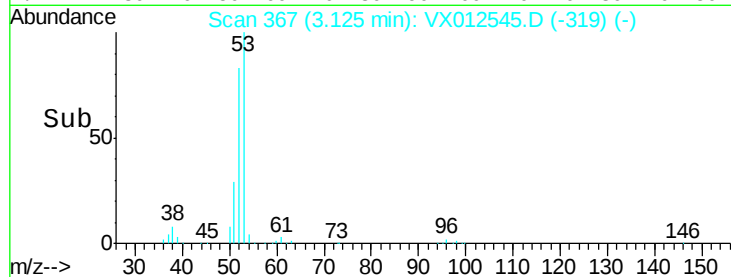
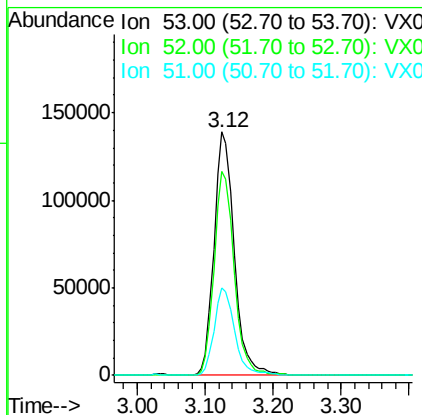
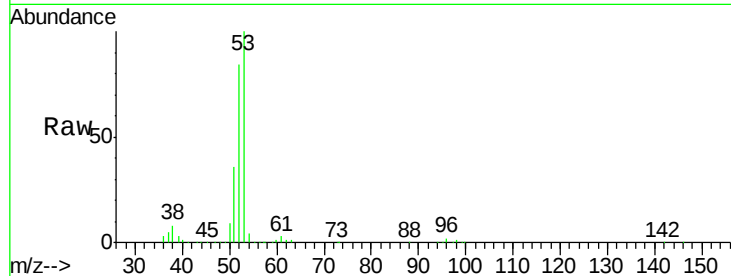
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	288590
Ion Ratio		Lower	Upper
53	100		
52	83.1	67.0	100.4
51	36.3	29.6	44.4

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#16

Acetone

Concen: 272.192 ug/l

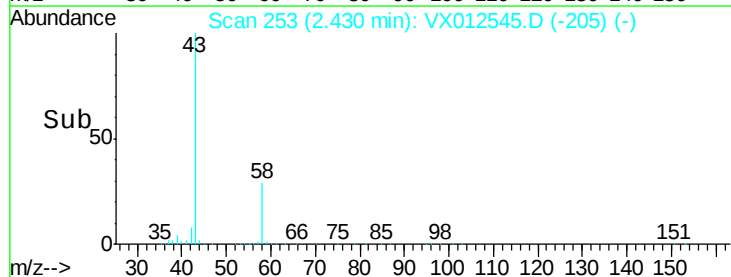
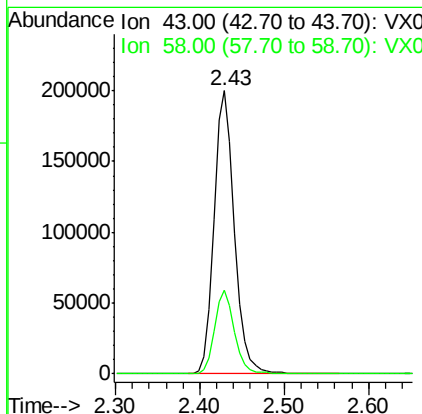
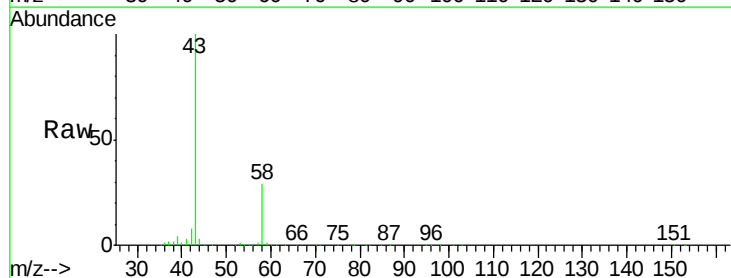
RT: 2.43 min Scan# 253

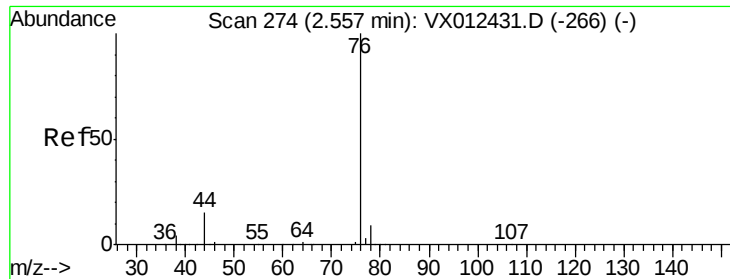
Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion:	43	Resp:	331467
Ion Ratio		Lower	Upper
43	100		
58	29.4	23.3	34.9





#17

Carbon Disulfide

Concen: 42.980 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 70813

Ion Ratio Lower Upper

76 100

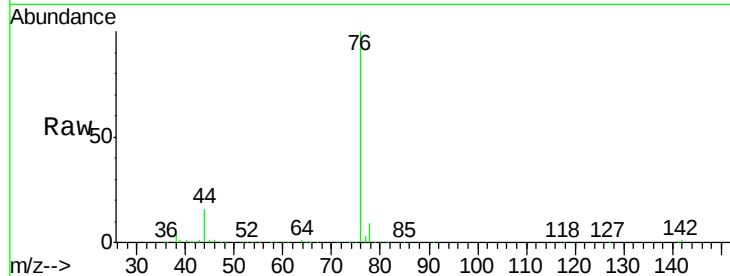
78 9.2 7.3 10.9

Manual Integrations

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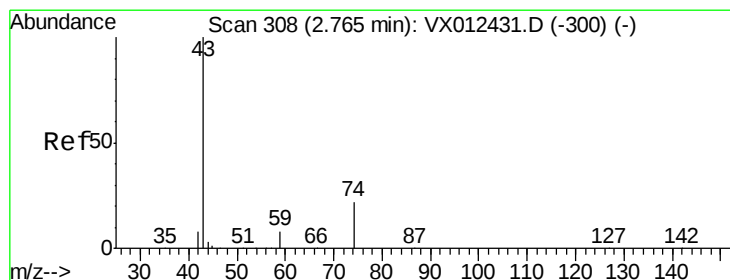
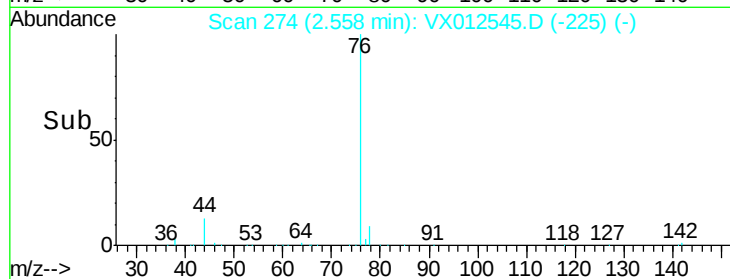
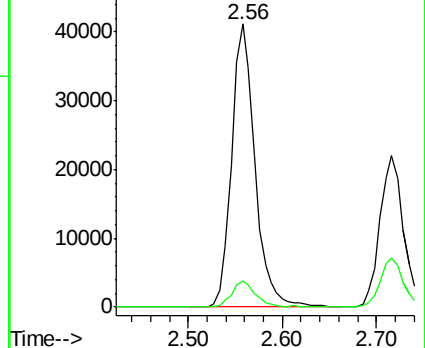
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.369 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012545.D

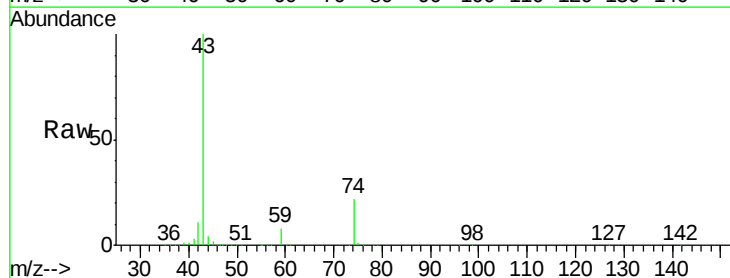
Acq: 20 Sep 2019 10:16

Tgt Ion: 43 Resp: 137464

Ion Ratio Lower Upper

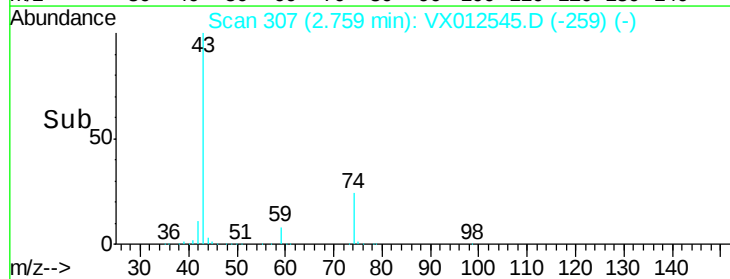
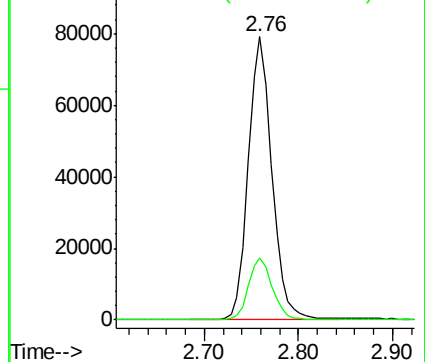
43 100

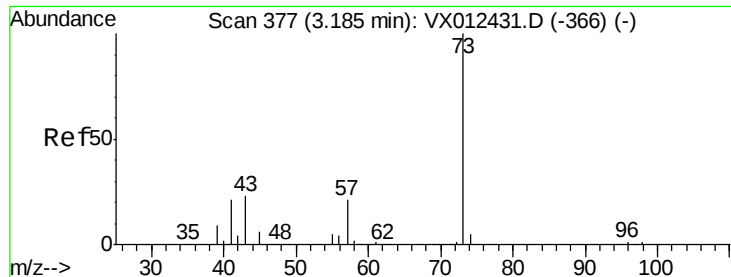
74 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





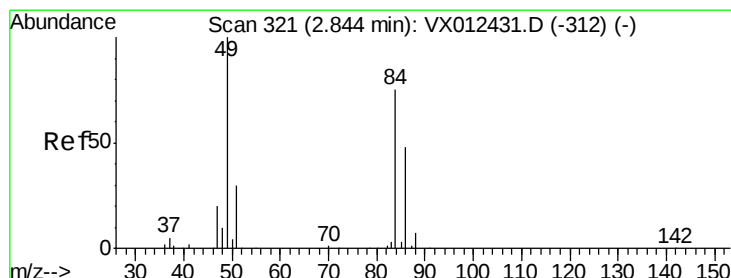
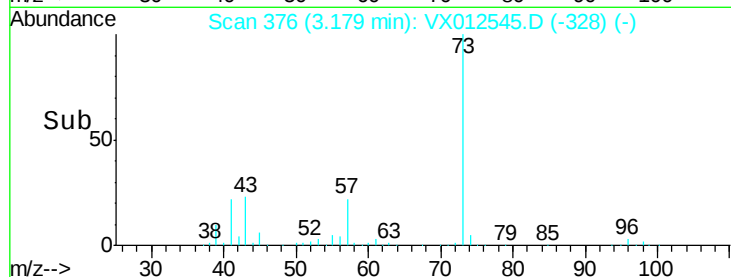
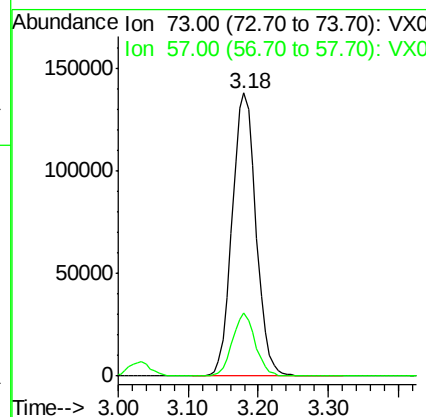
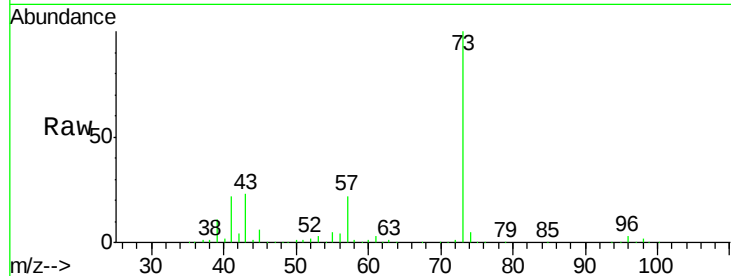
#19
Methyl tert-butyl Ether
Concen: 51.096 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 326561
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2

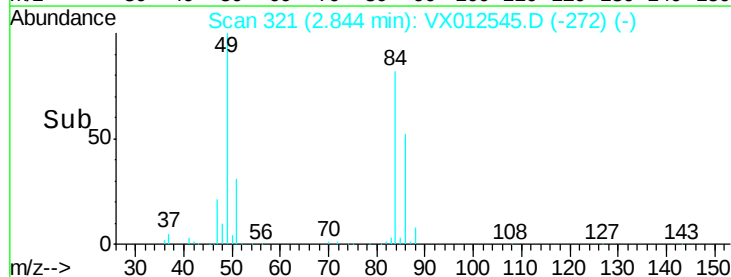
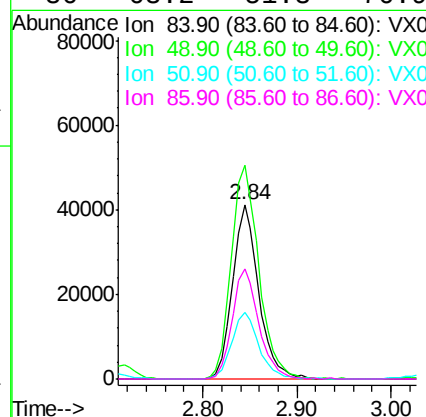
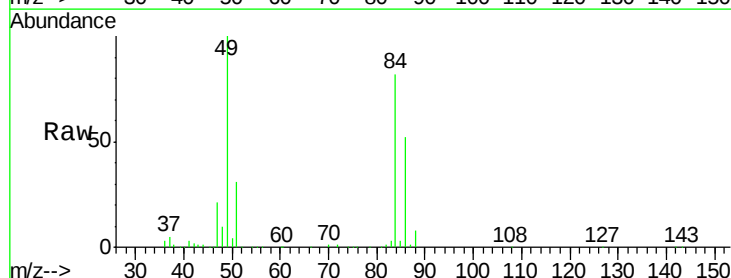
Manual Integrations
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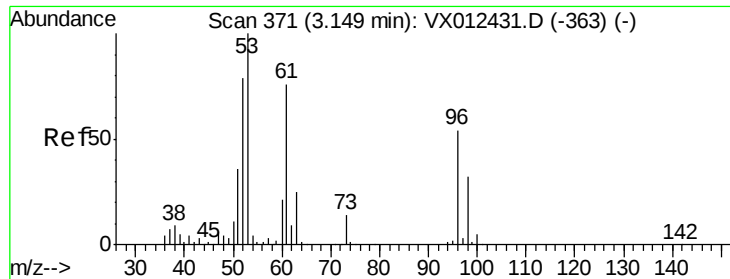
MMDadoda
9/23/2019 11:29:30 AM



#20
Methylene Chloride
Concen: 49.147 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion: 84 Resp: 79478
Ion Ratio Lower Upper
84 100
49 122.3 106.8 160.2
51 37.8 32.3 48.5
86 63.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.709 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 60507

Ion Ratio Lower Upper

96 100

61 145.0 112.0 168.0

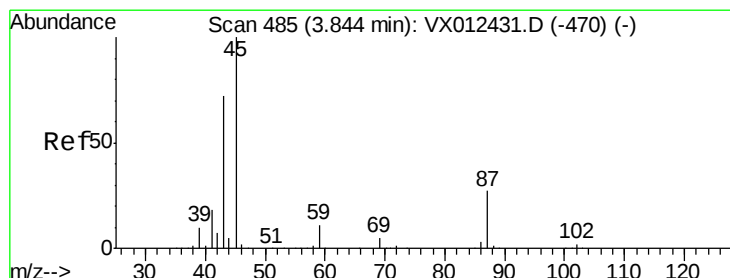
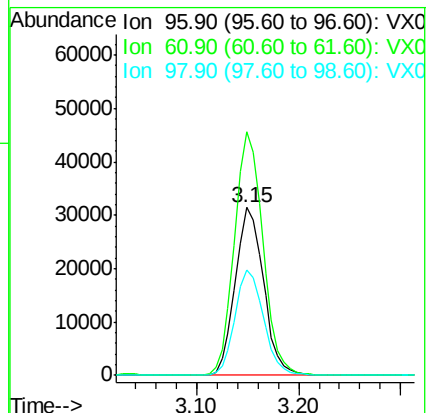
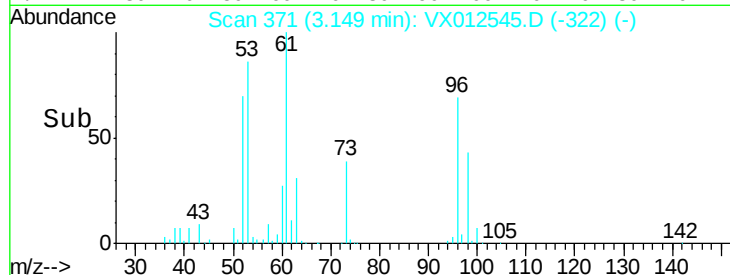
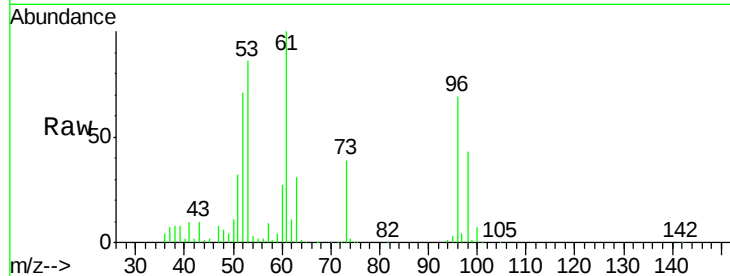
98 63.0 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.565 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion: 45 Resp: 323095

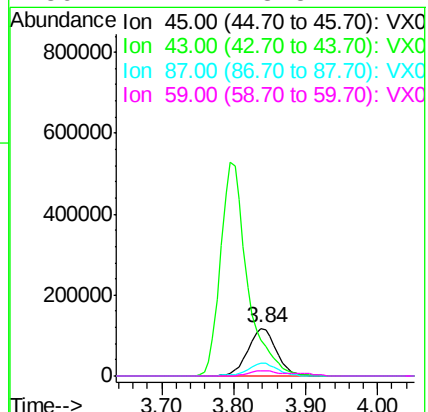
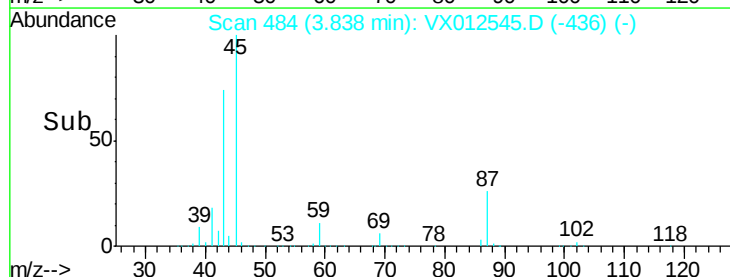
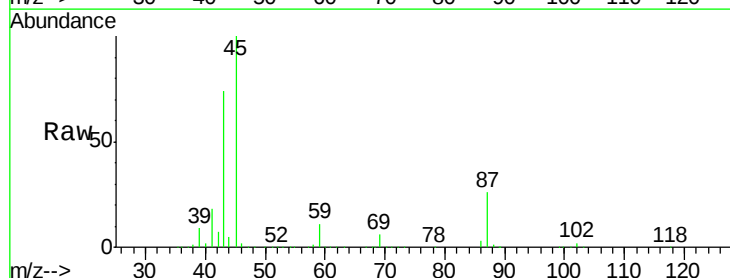
Ion Ratio Lower Upper

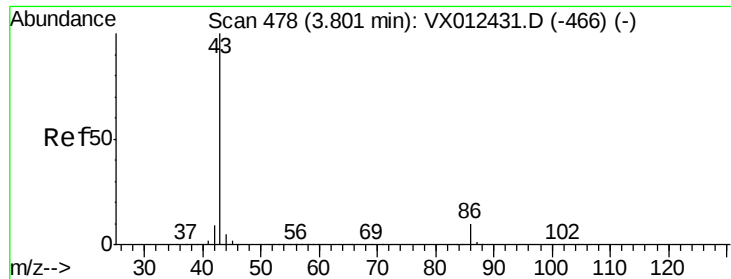
45 100

43 73.6 57.8 86.8

87 25.7 21.3 31.9

59 11.2 8.5 12.7





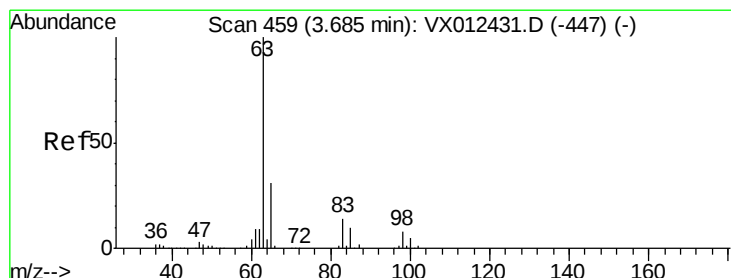
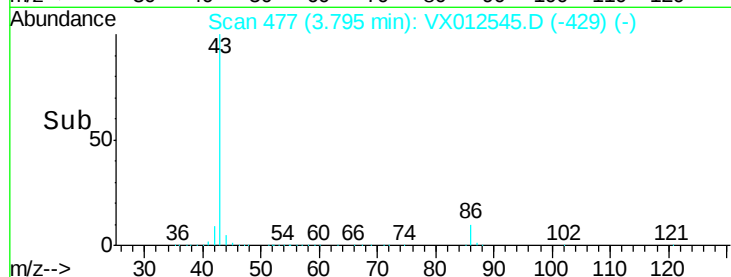
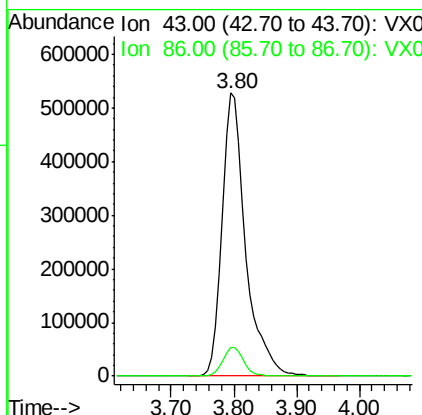
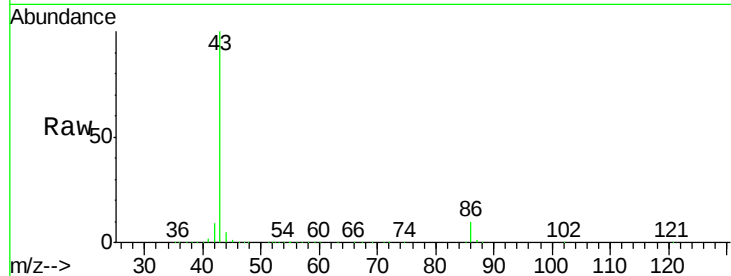
#23
 Vinyl Acetate
 Concen: 261.247 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1373168
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

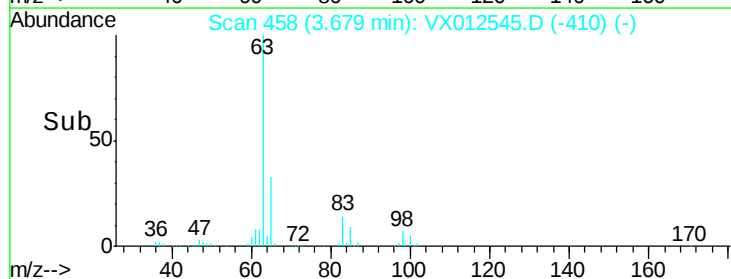
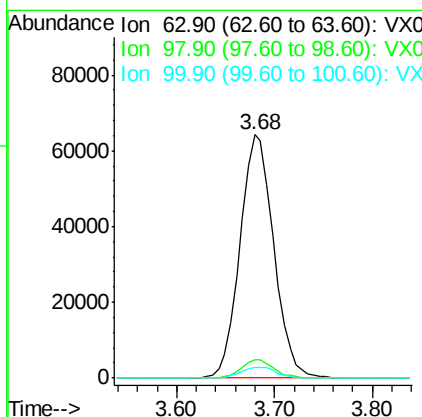
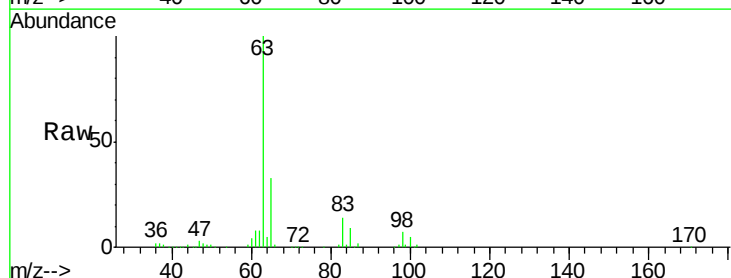
Manual Integrations
 APPROVED

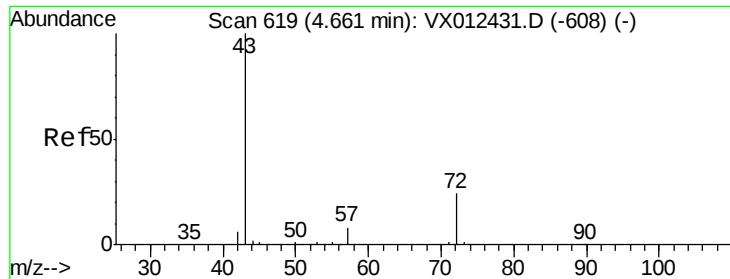
MMDadoda
 9/23/2019 11:29:30 AM



#24
 1,1-Dichloroethane
 Concen: 50.241 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion: 63 Resp: 153597
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.9 11.7
 100 4.6 2.3 6.9





#25

2-Butanone

Concen: 245.678 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 455371

Ion Ratio Lower Upper

43 100

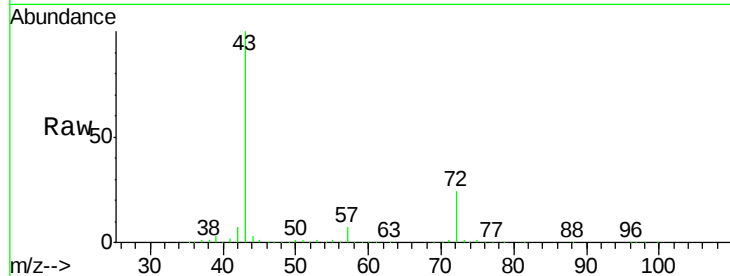
72 23.7 19.2 28.8

Manual Integrations

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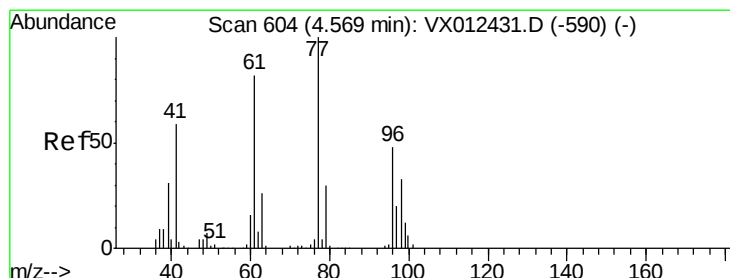
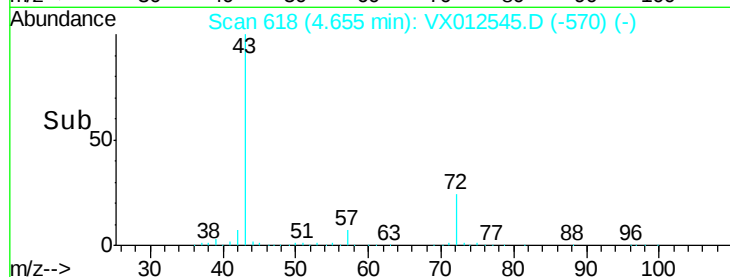
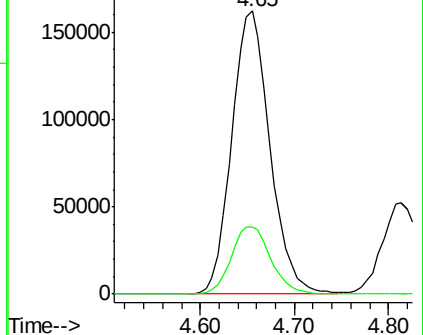
MMDadoda

9/23/2019 11:29:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.625 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012545.D

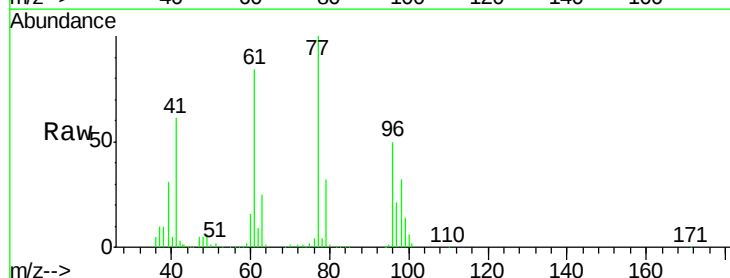
Acq: 20 Sep 2019 10:16

Tgt Ion: 77 Resp: 140188

Ion Ratio Lower Upper

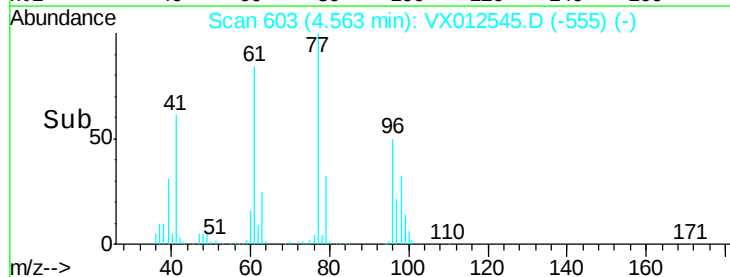
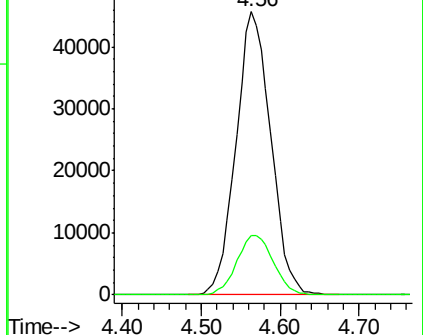
77 100

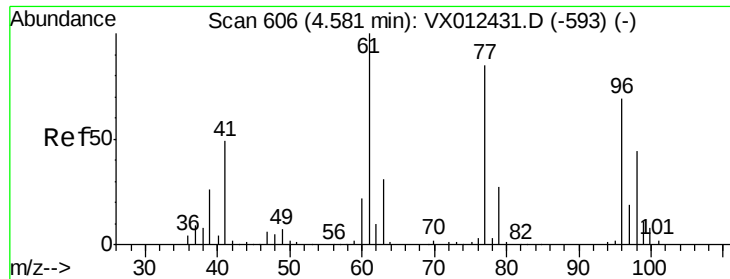
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

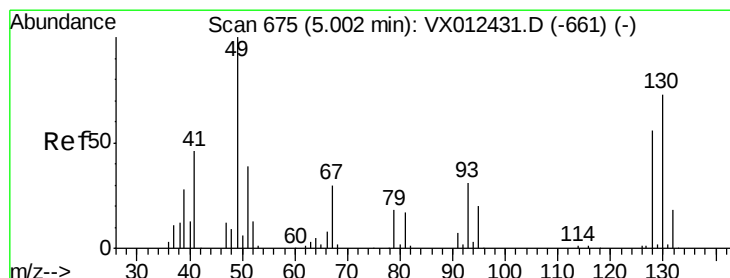
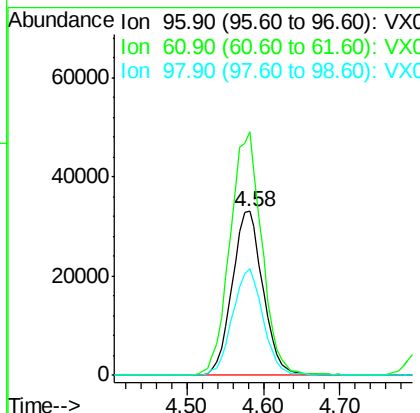
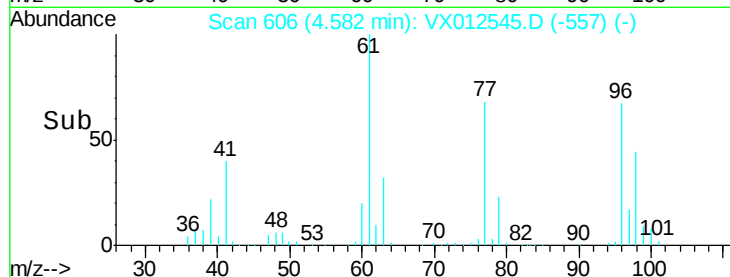
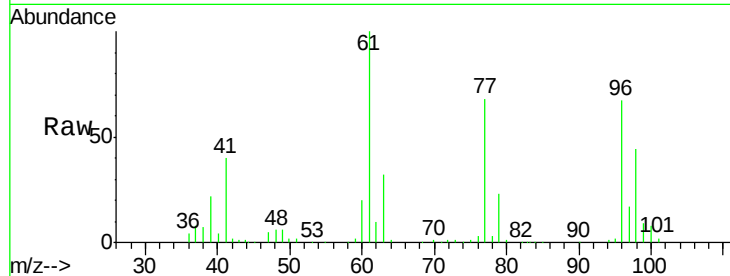
cis-1,2-Dichloroethene
Concen: 50.794 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	319.4
98	64.2	0.0	130.6

Manual Integrations
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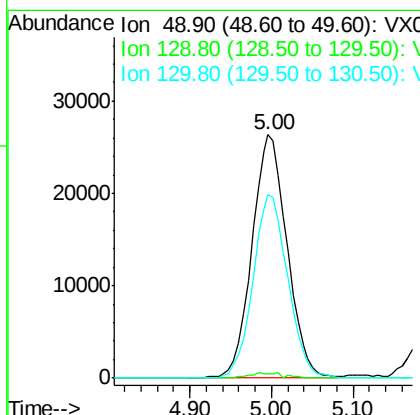
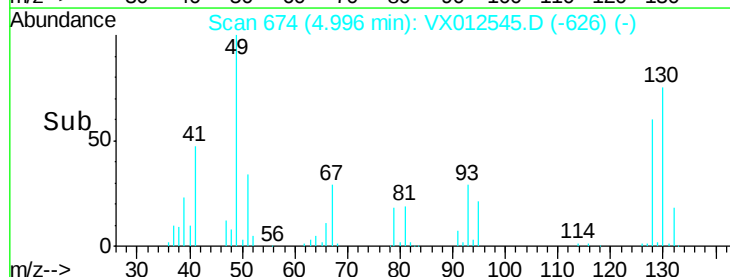
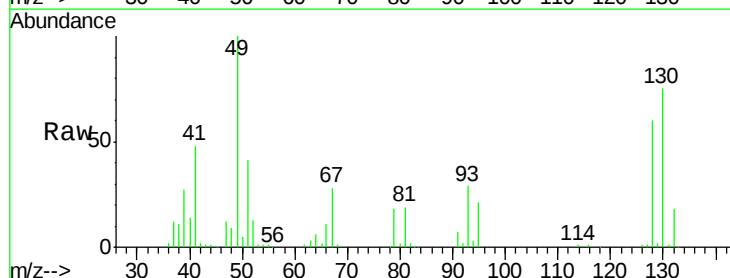
MMDadoda
9/23/2019 11:29:30 AM

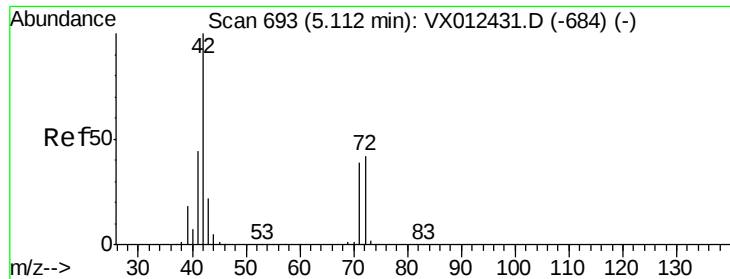


#28

Bromochloromethane
Concen: 49.983 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	74.7	58.2	87.4





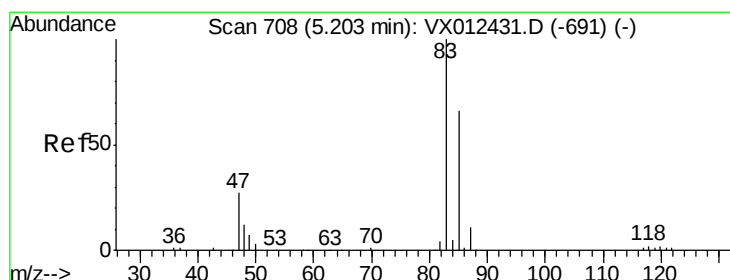
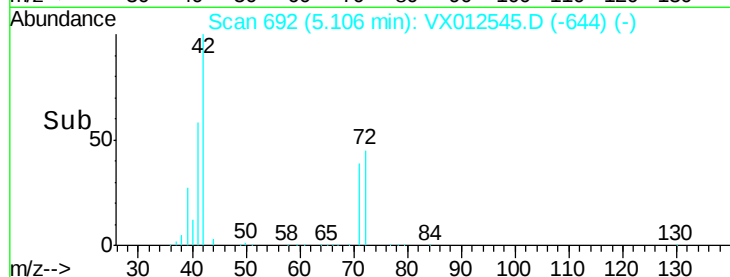
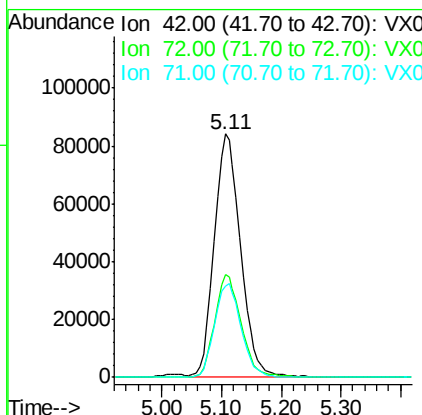
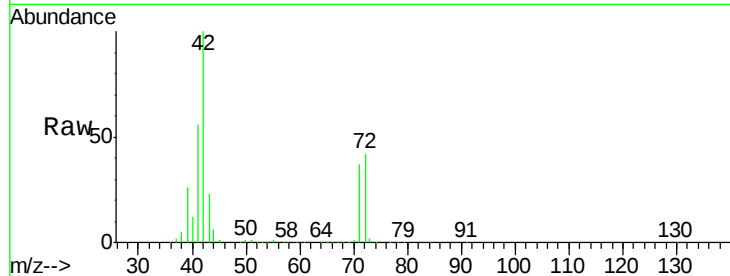
#29
Tetrahydrofuran
Concen: 250.713 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	38.9	31.5	47.3

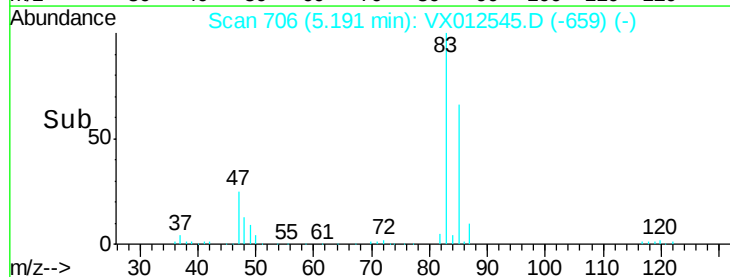
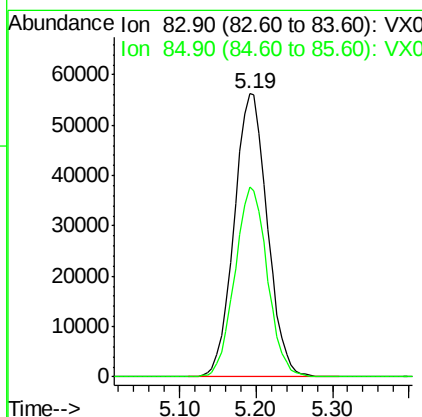
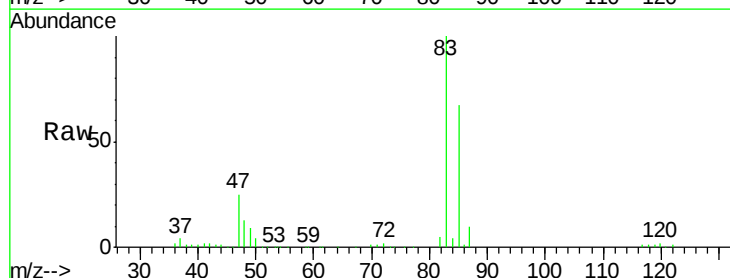
Manual Integrations
APPROVED

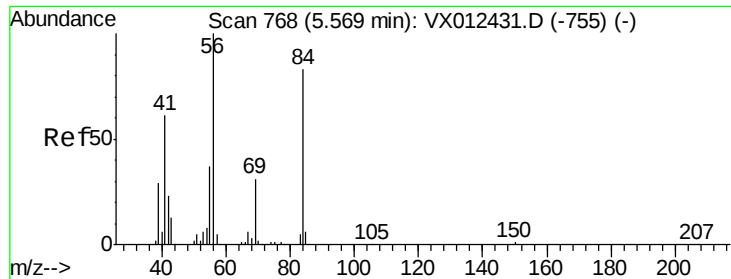
MMDadoda
9/23/2019 11:29:30 AM



#30
Chloroform
Concen: 48.280 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.0	79.4





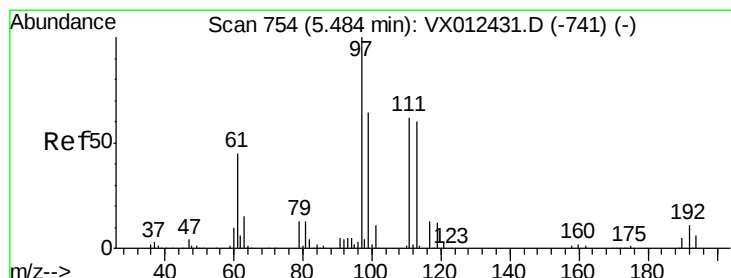
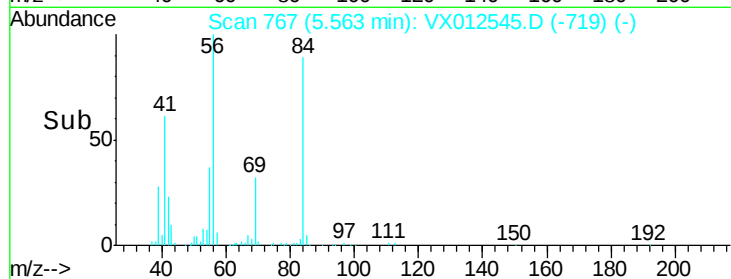
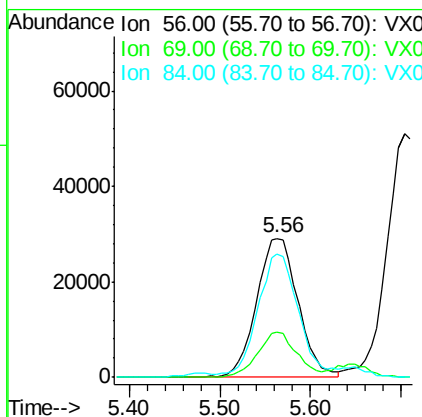
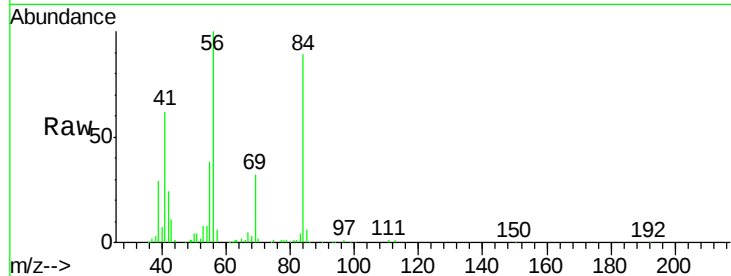
#31
Cyclohexane
Concen: 50.122 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.0	37.6
84	86.7	66.4	99.6

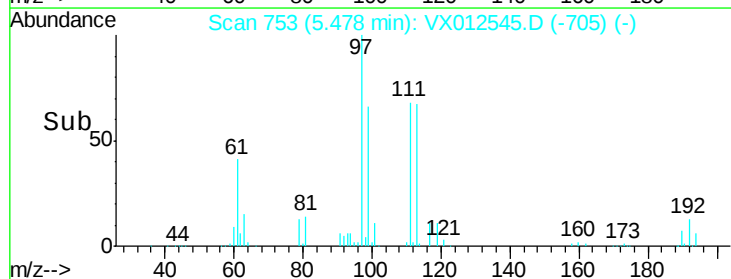
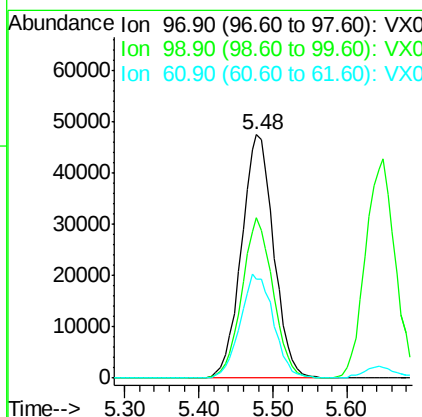
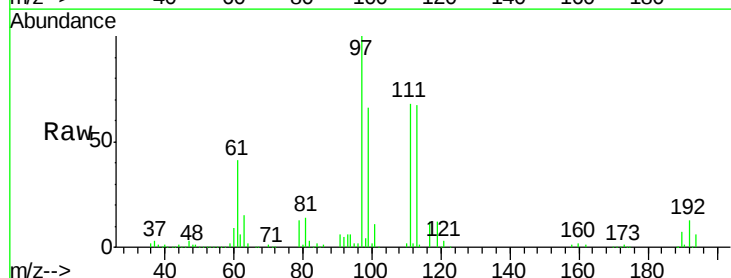
Manual Integrations
APPROVED

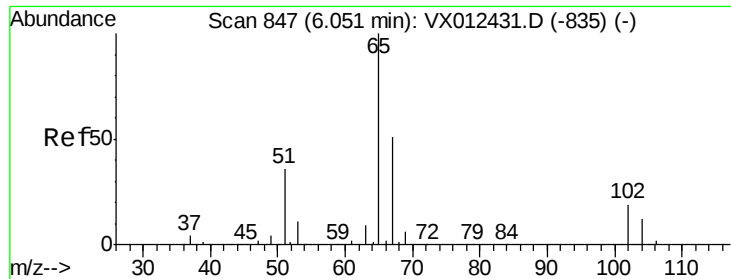
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.931 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	44.1	36.1	54.1





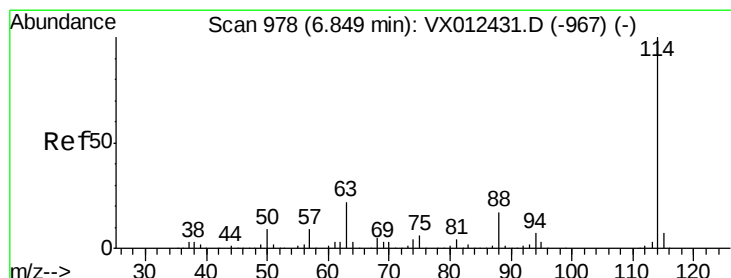
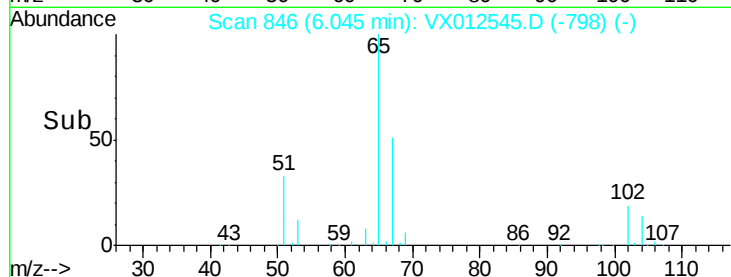
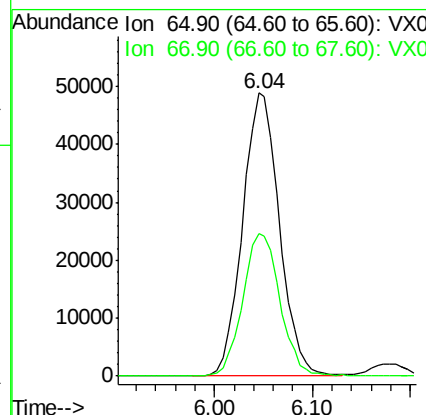
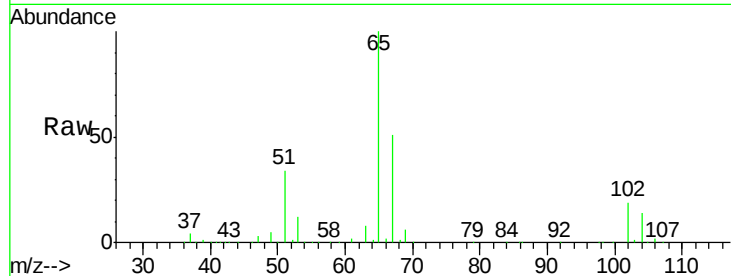
#33
 1,2-Dichloroethane-d4
 Concen: 47.701 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.2

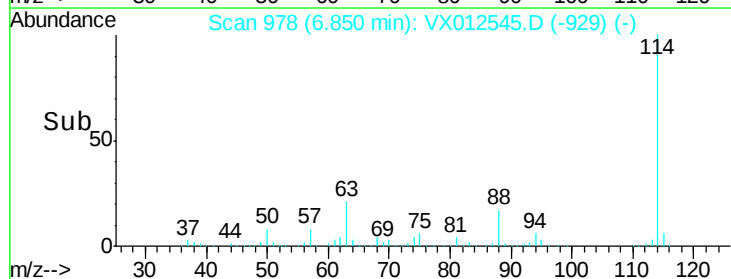
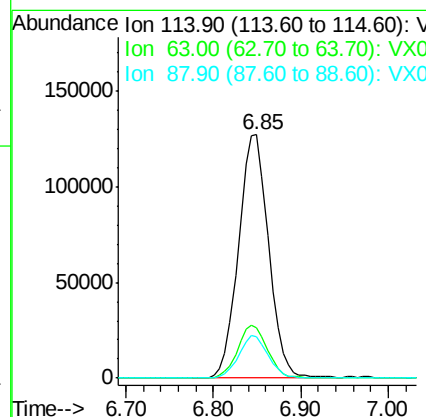
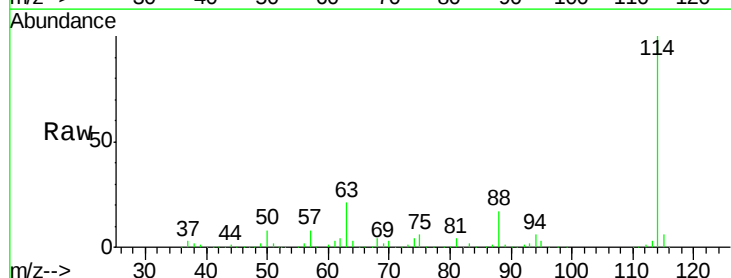
Manual Integrations
 APPROVED

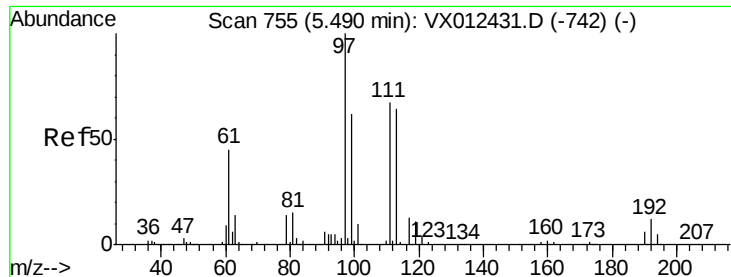
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 9/23/2019 11:29:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	16.8	0.0	33.2





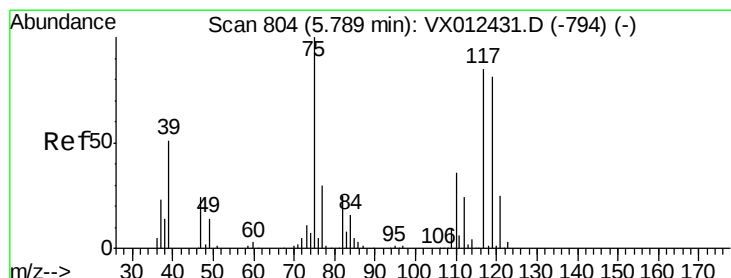
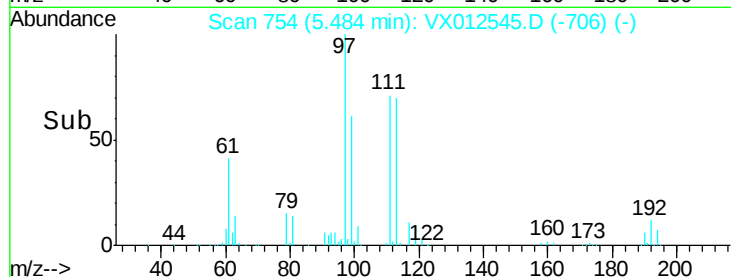
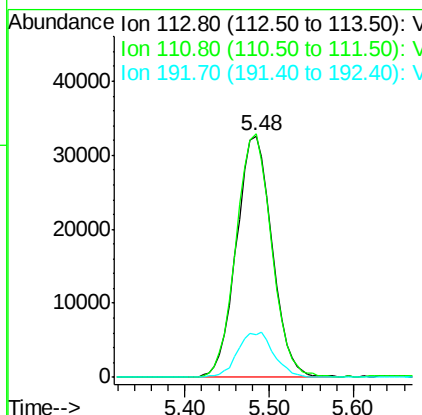
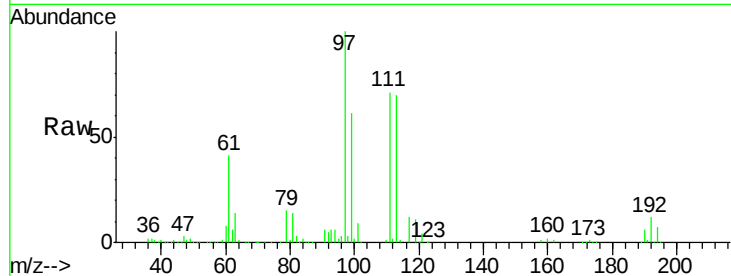
#35
Dibromofluoromethane
Concen: 50.510 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93455		
111	100.8	83.4	125.2	
192	18.9	14.4	21.6	

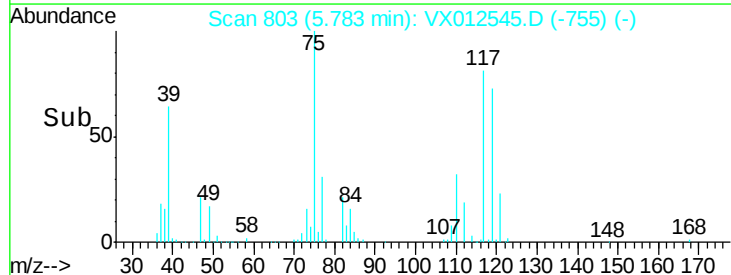
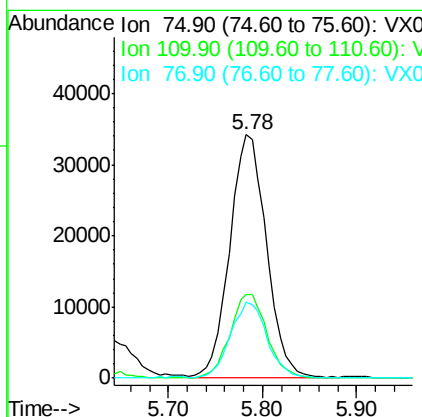
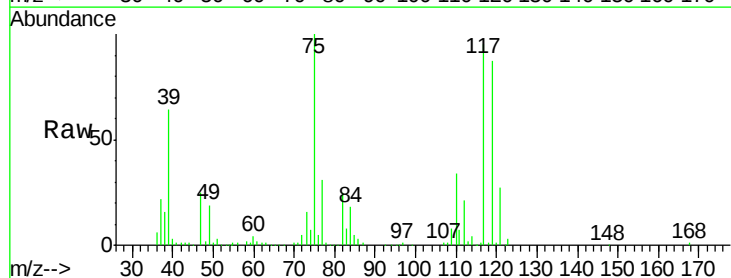
Manual Integrations
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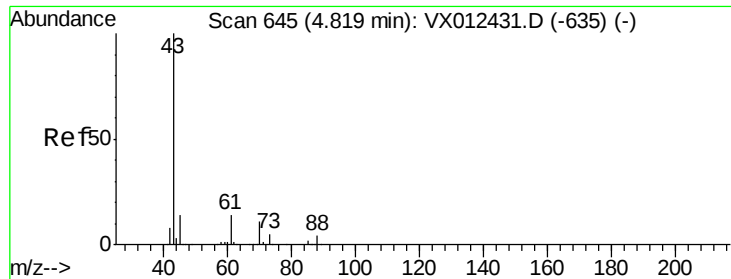
MMDadoda
9/23/2019 11:29:30 AM



#36
1,1-Dichloropropene
Concen: 49.685 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92308		
110	34.9	16.7	50.0	
77	31.4	24.2	36.2	





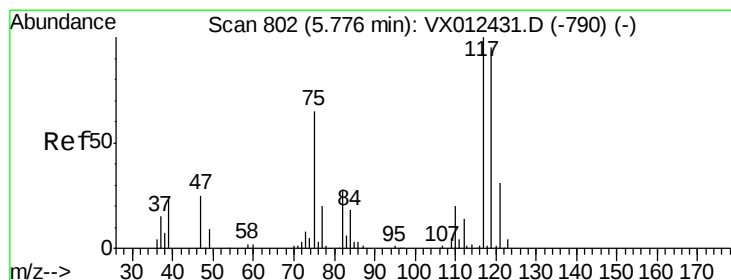
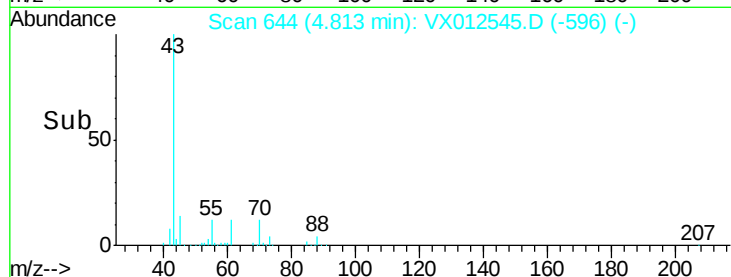
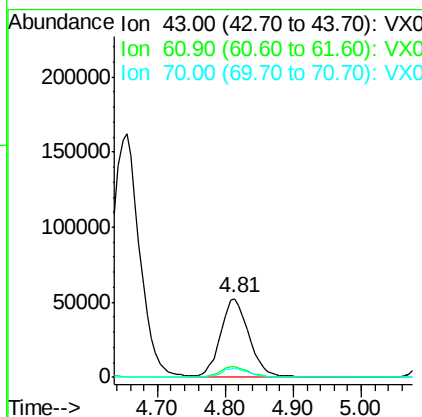
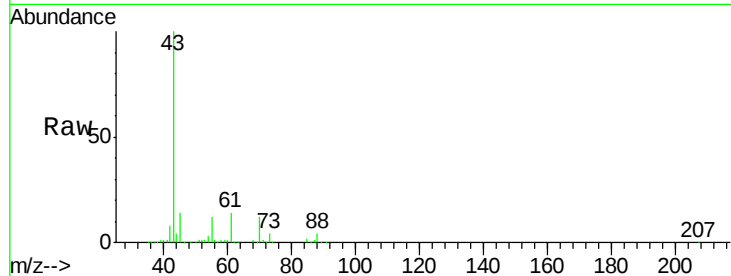
#37
Ethyl Acetate
Concen: 53.104 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	151441
Ion Ratio	Lower	Upper	
43	100		
61	13.1	10.2	15.4
70	11.3	8.7	13.1

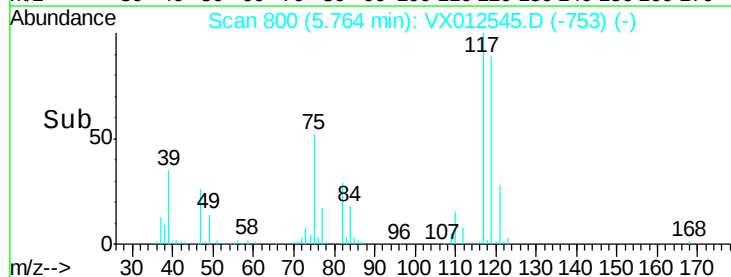
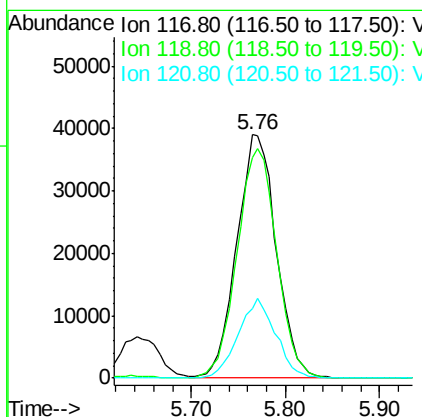
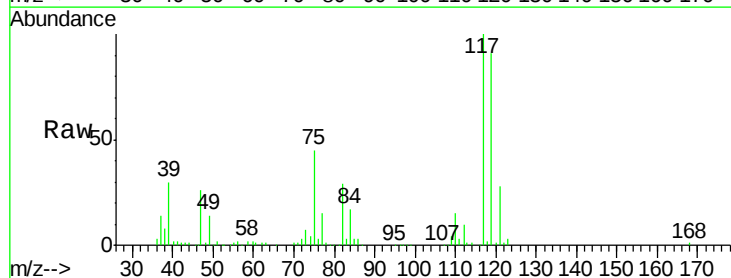
Manual Integrations
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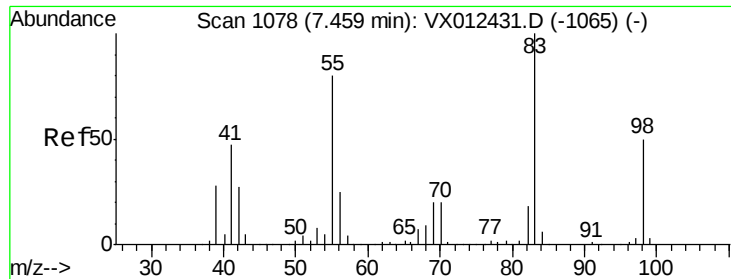
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#38
Carbon Tetrachloride
Concen: 49.234 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	117	Resp	113762
Ion Ratio	Lower	Upper	
117	100		
119	90.7	75.7	113.5
121	28.4	24.2	36.4





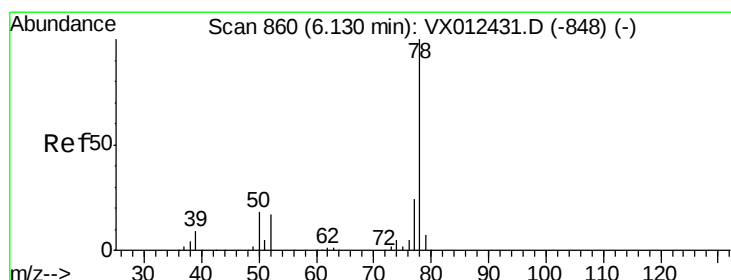
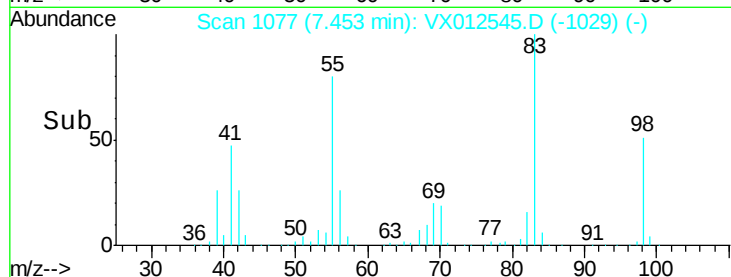
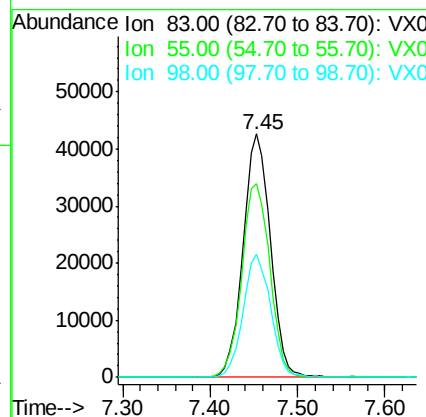
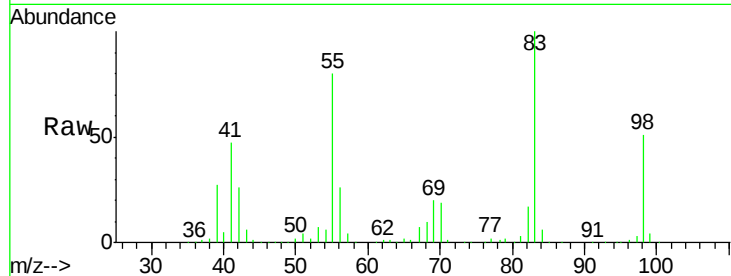
#39
Methvlcvclohexane
Concen: 51.342 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	64.4	96.6
98	50.8	40.1	60.1

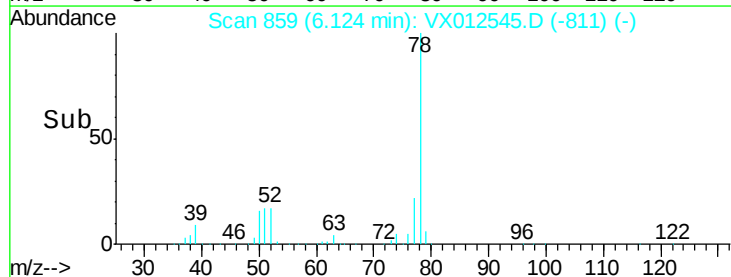
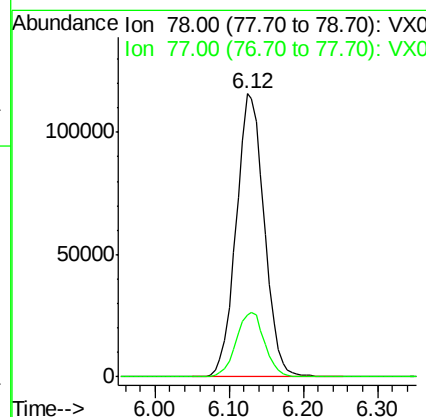
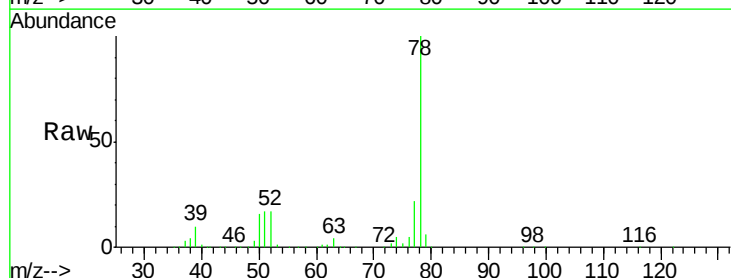
Manual Integrations
APPROVED

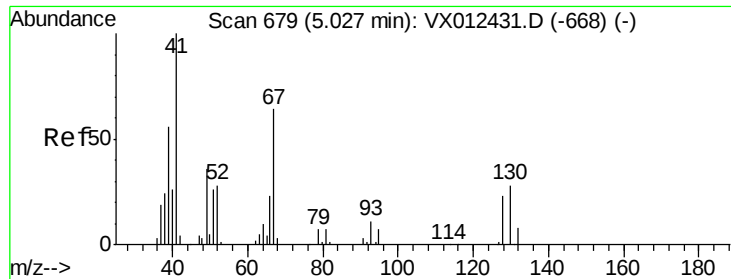
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9/23/2019 11:29:30 AM



#40
Benzene
Concen: 51.736 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.2	28.8





#41

Methacrylonitrile

Concen: 49.276 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 90484

Ion Ratio Lower Upper

41 100

39 56.5 46.0 69.0

67 67.0 52.2 78.2

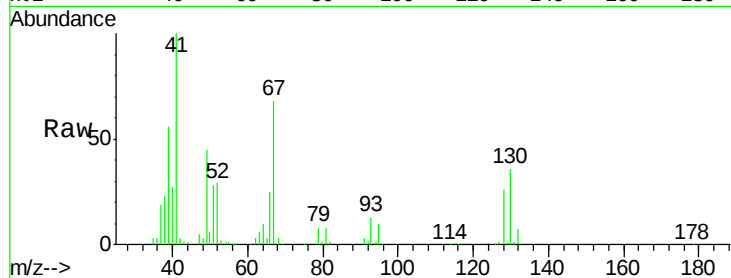
52 29.1 22.7 34.1

Manual Integrations

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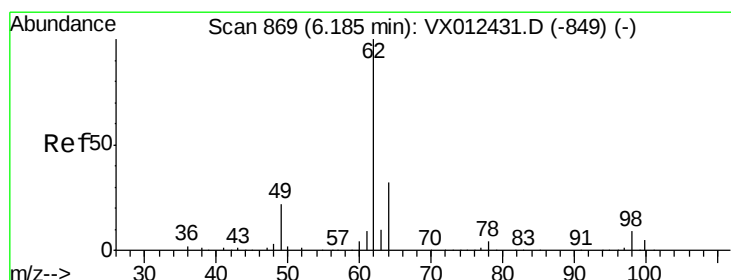
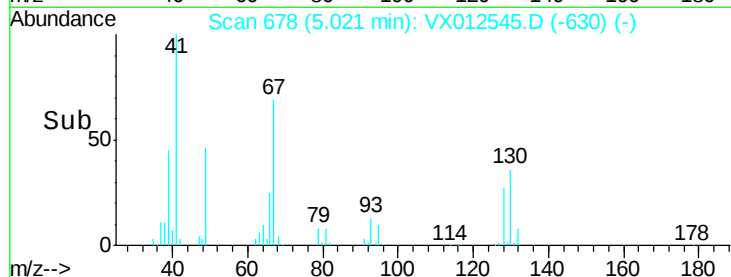
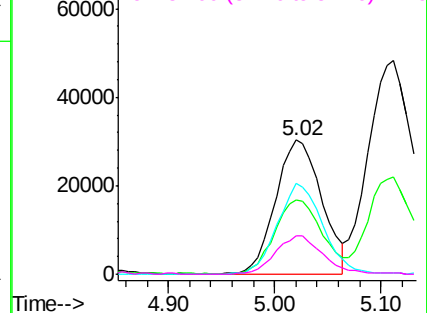


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.174 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012545.D

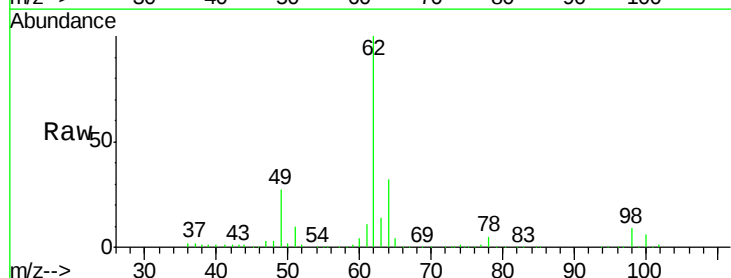
Acq: 20 Sep 2019 10:16

Tgt Ion: 62 Resp: 140224

Ion Ratio Lower Upper

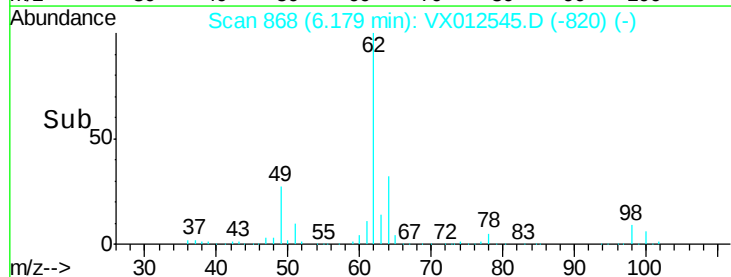
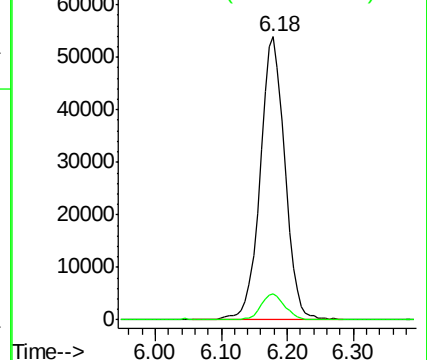
62 100

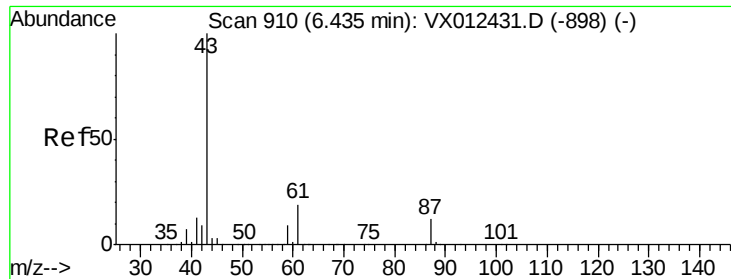
98 8.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.502 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

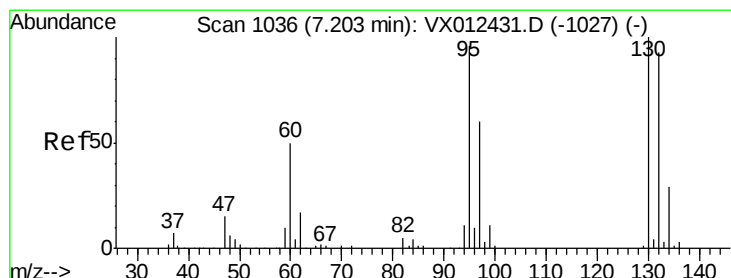
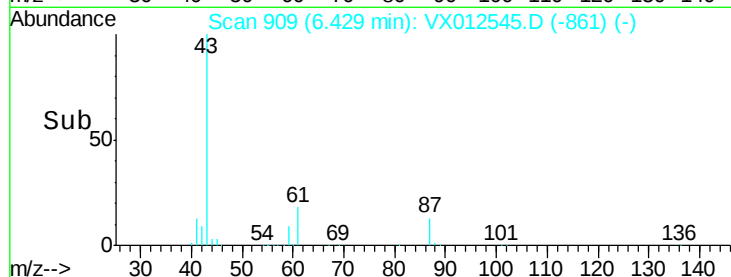
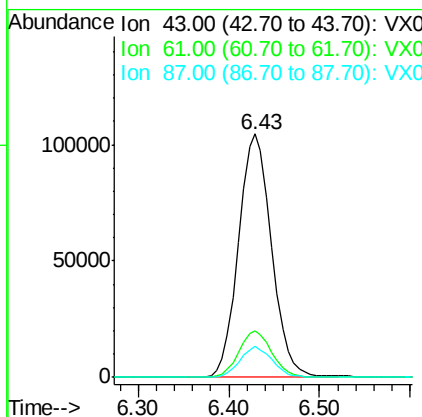
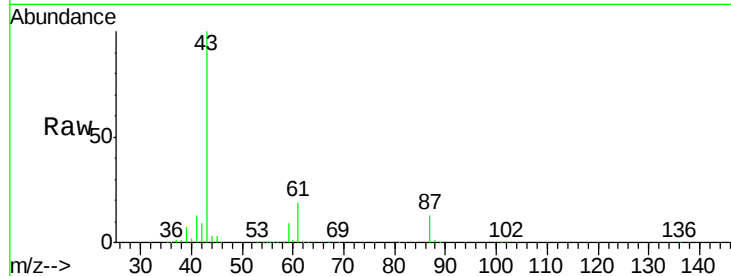
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	263609
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.4	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 52.740 ug/l

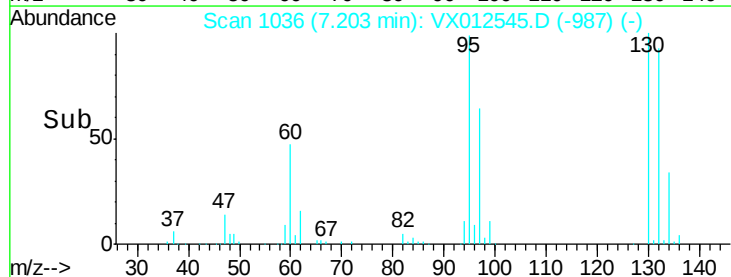
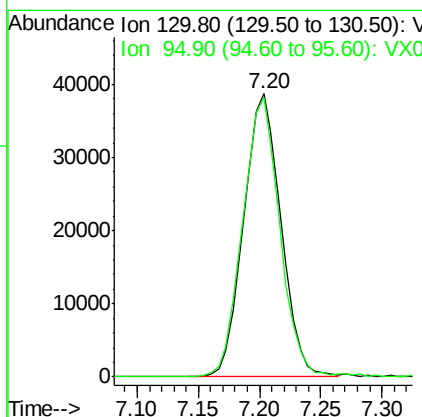
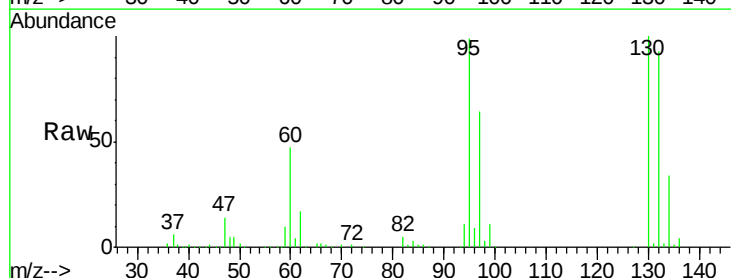
RT: 7.20 min Scan# 1036

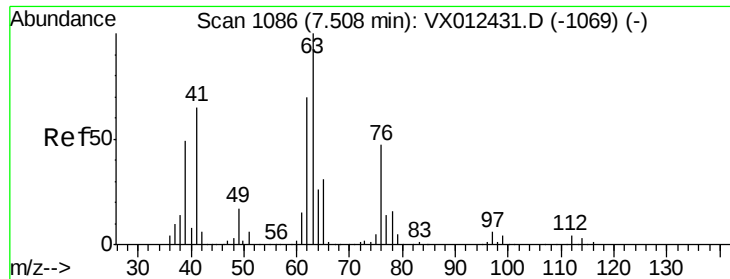
Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion:	130	Resp:	81962
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	193.0





#45

1,2-Dichloropropane

Concen: 51.769 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 93963

Ion Ratio Lower Upper

63 100

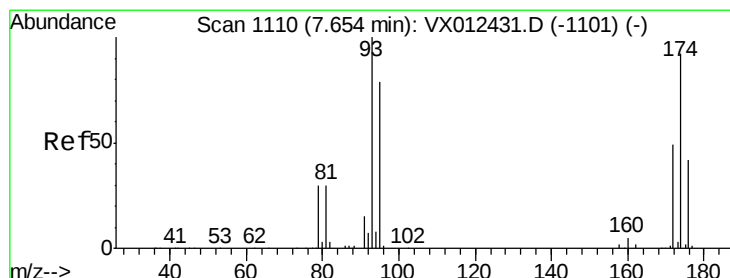
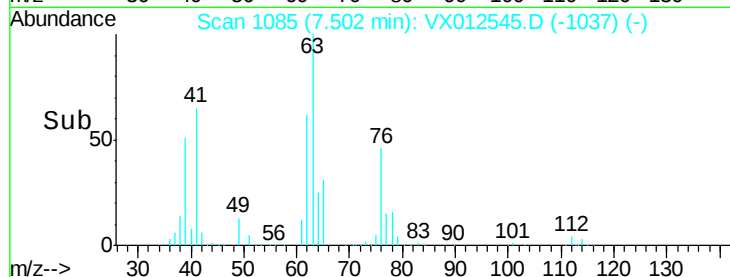
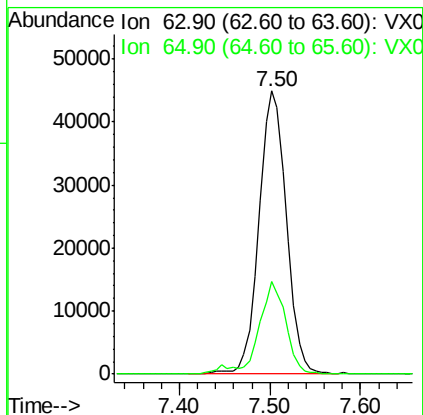
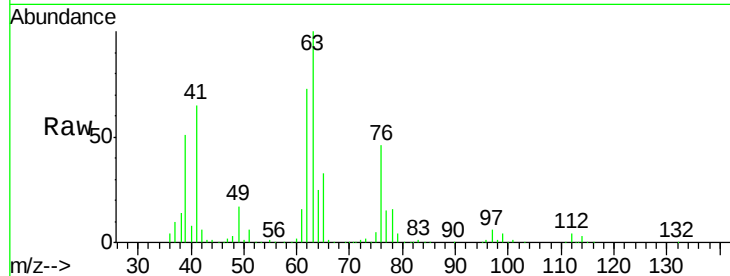
65 32.7 25.0 37.6

Manual Integrations

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MMDadoda

9/23/2019 11:29:30 AM



#46

Dibromomethane

Concen: 52.470 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

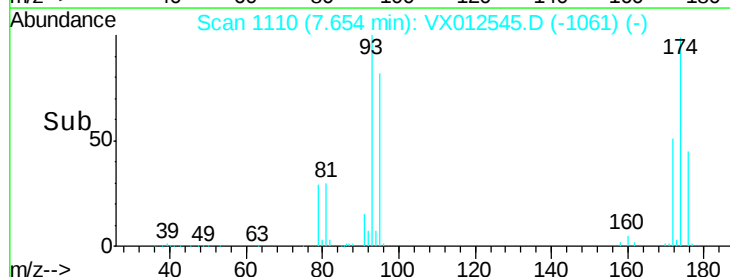
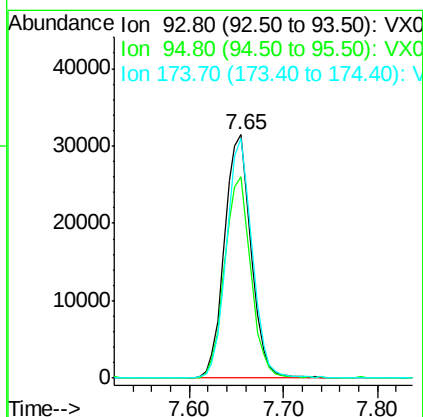
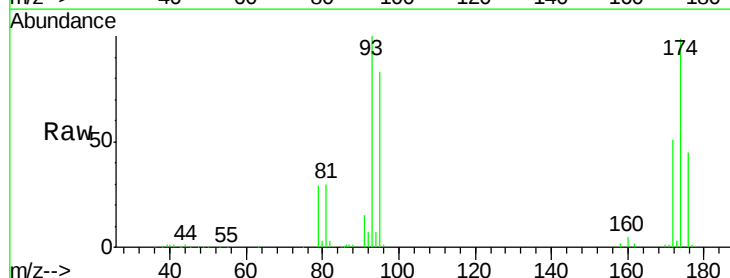
Tgt Ion: 93 Resp: 61629

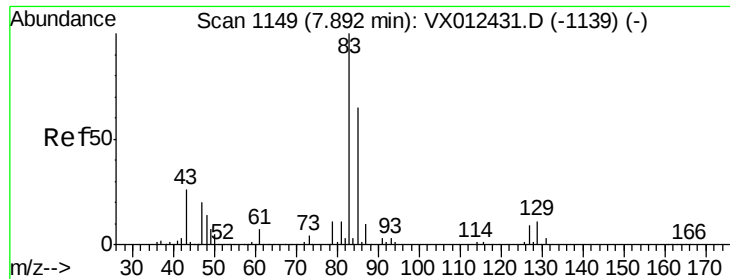
Ion Ratio Lower Upper

93 100

95 81.4 66.6 100.0

174 95.2 77.4 116.0





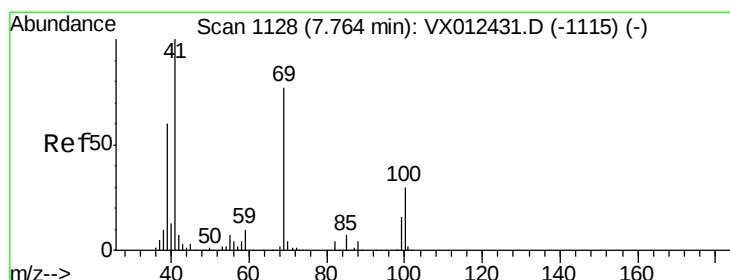
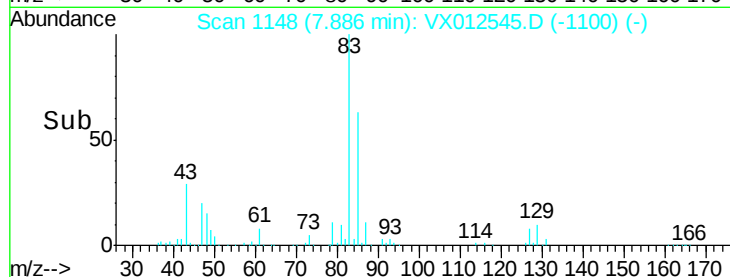
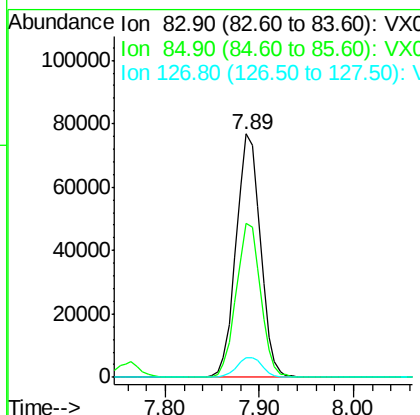
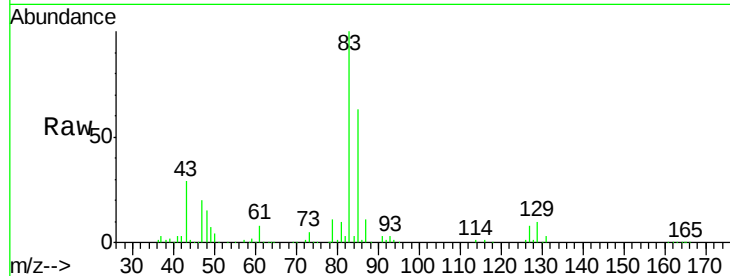
#47
Bromodichloromethane
Concen: 52.917 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	138392		
85	63.4	51.8	77.6	
127	8.0	7.3	10.9	

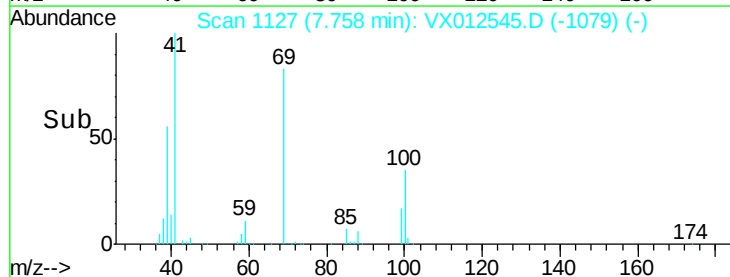
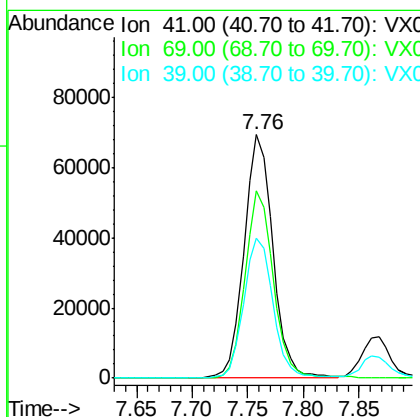
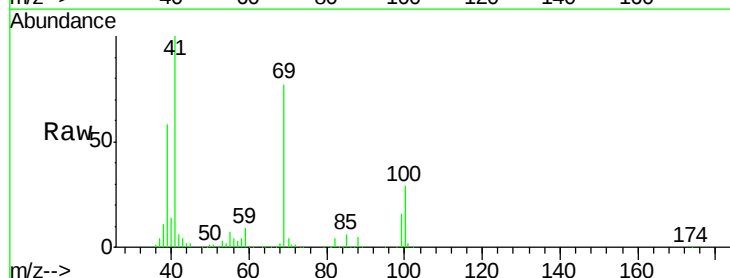
Manual Integrations
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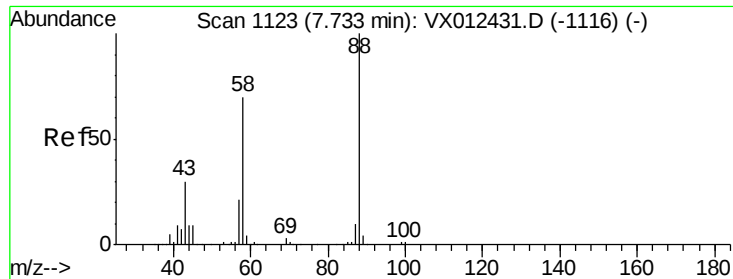
MMDadoda
9/23/2019 11:29:30 AM



#48
Methyl methacrylate
Concen: 51.722 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	124793		
69	75.9	59.9	89.9	
39	58.6	47.8	71.6	





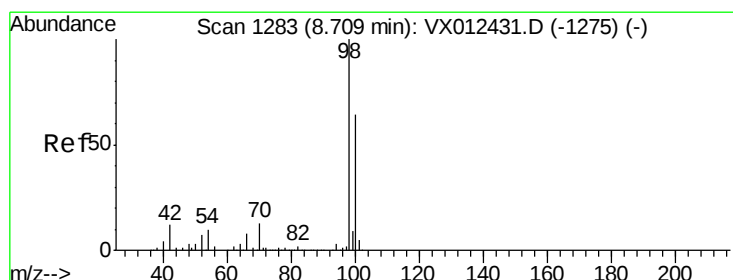
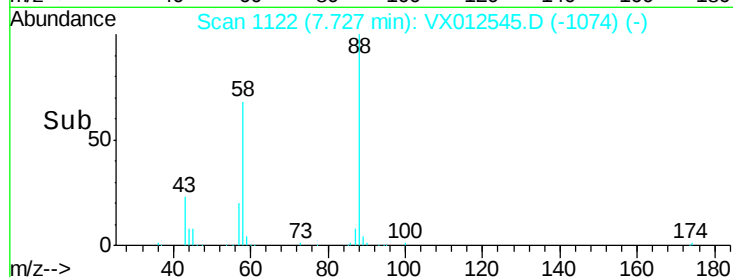
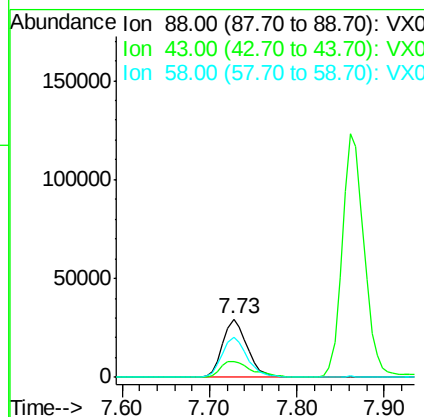
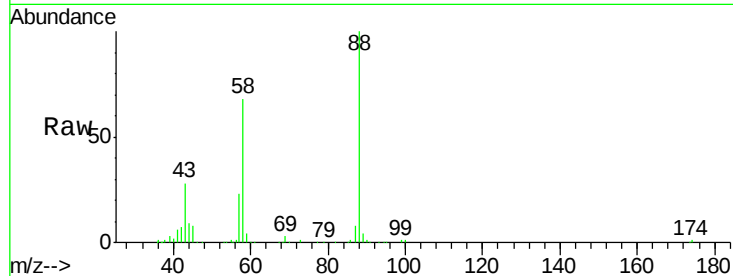
#49
1,4-Dioxane
Concen: 990.058 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	58139		
43	33.9		29.4	44.0
58	70.5		57.5	86.3

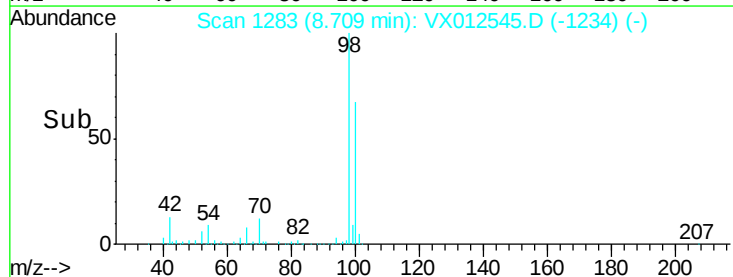
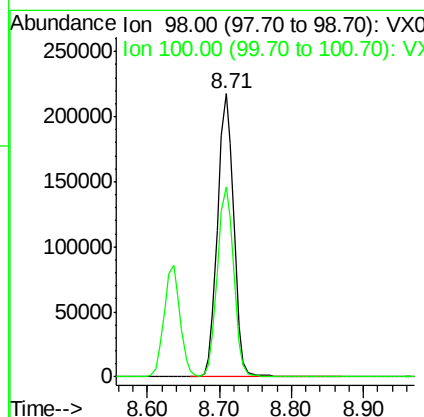
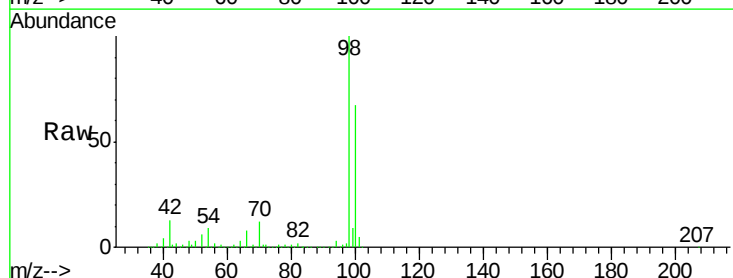
Manual Integrations
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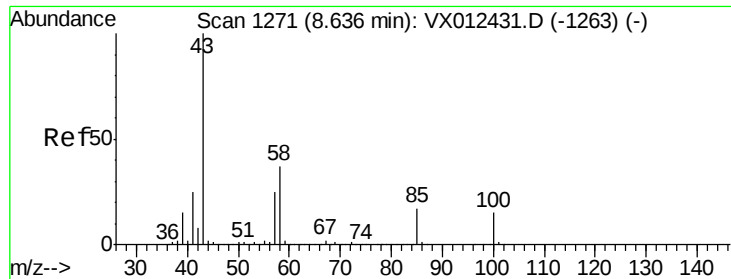
MMDadoda
9/23/2019 11:29:30 AM



#50
Toluene-d8
Concen: 49.469 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	338789		
100	67.6		53.4	80.2





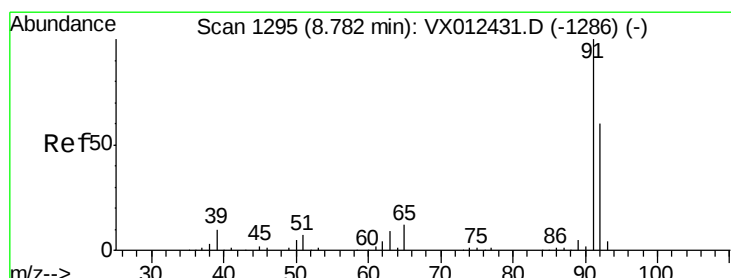
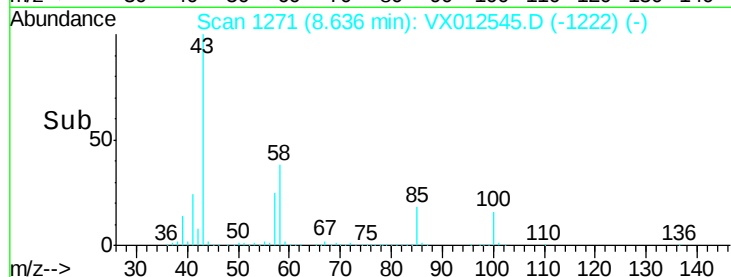
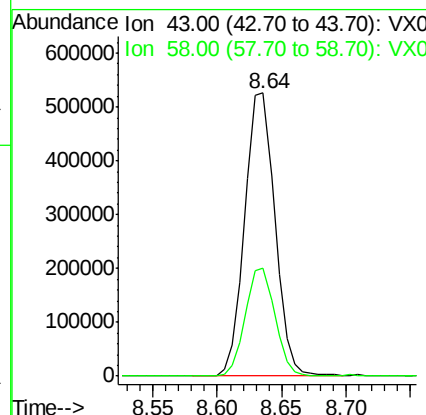
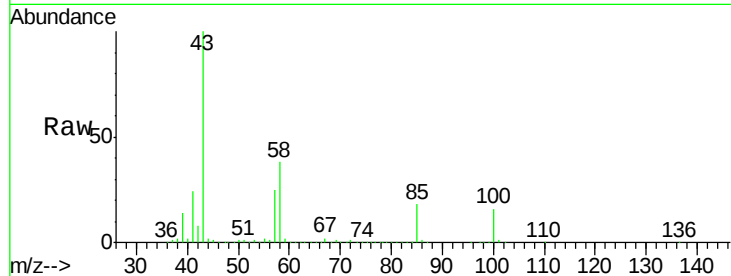
#51
 4-Methyl-2-Pentanone
 Concen: 254.303 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.8	44.6

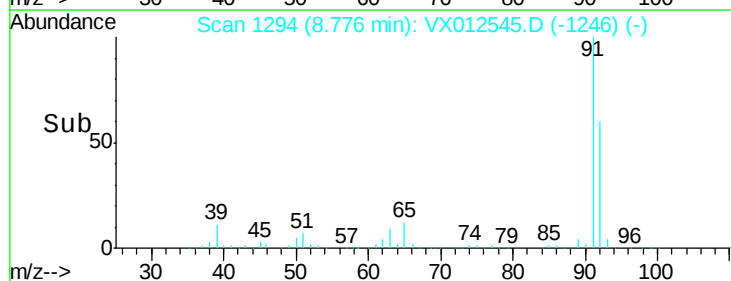
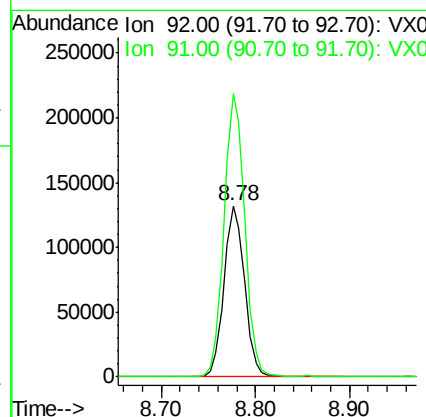
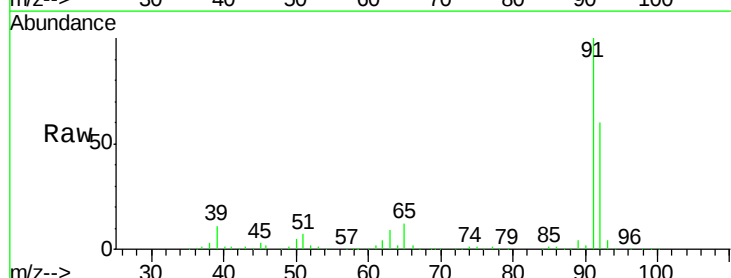
Manual Integrations
 APPROVED

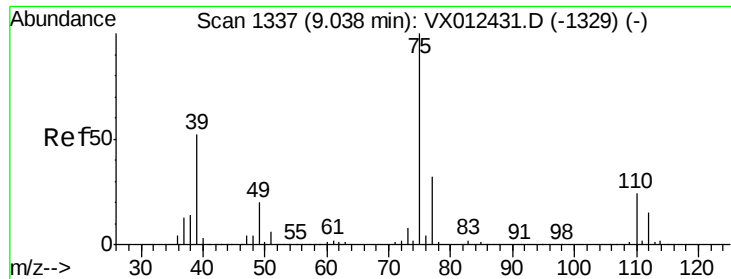
MMDadoda
 9/23/2019 11:29:30 AM



#52
 Toluene
 Concen: 52.563 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.6	135.4	203.0





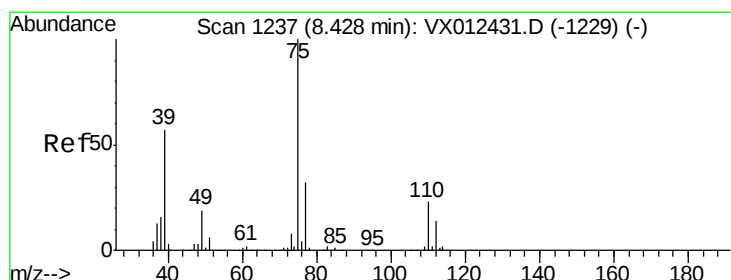
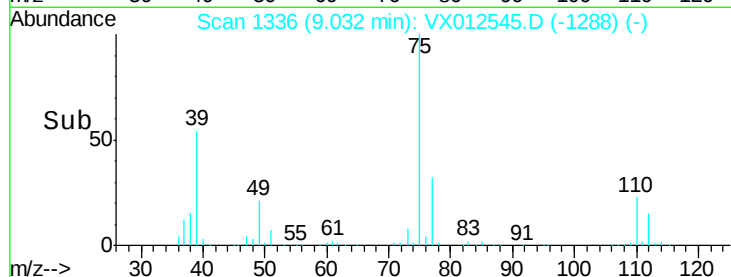
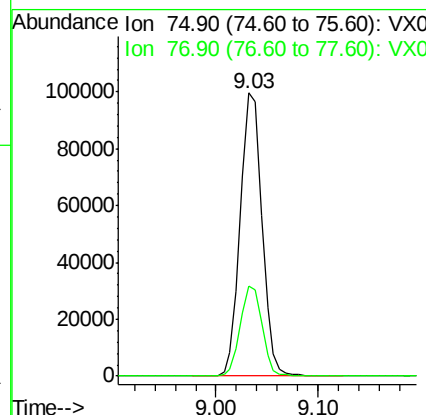
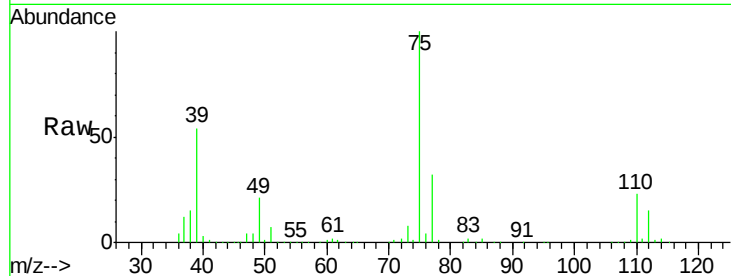
#53
t-1,3-Dichloropropene
Concen: 53.908 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 146553
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

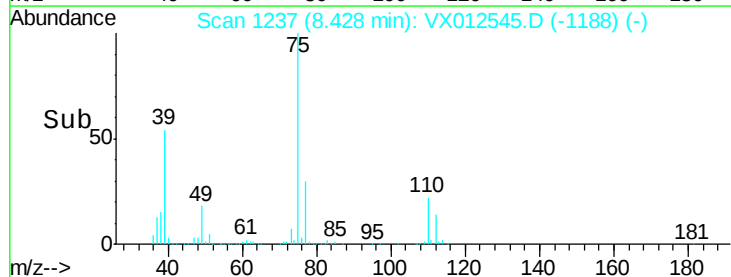
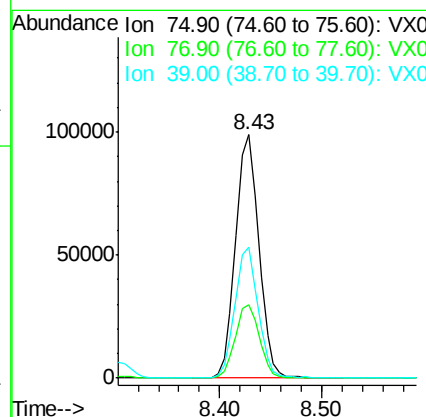
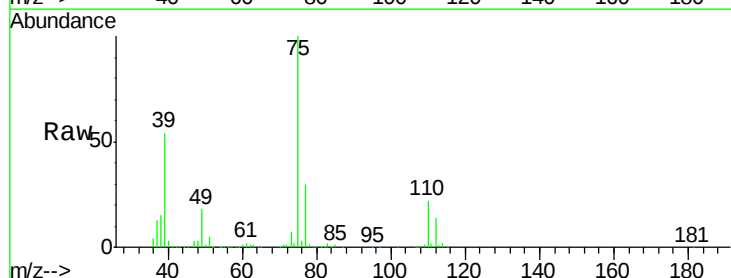
Manual Integrations
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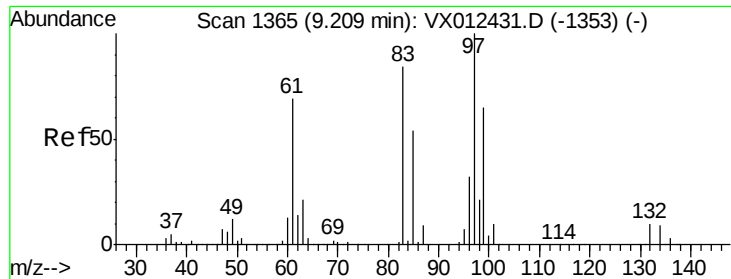
MMDadoda
9/23/2019 11:29:30 AM



#54
cis-1,3-Dichloropropene
Concen: 55.486 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion: 75 Resp: 156163
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8
39 53.6 45.5 68.3





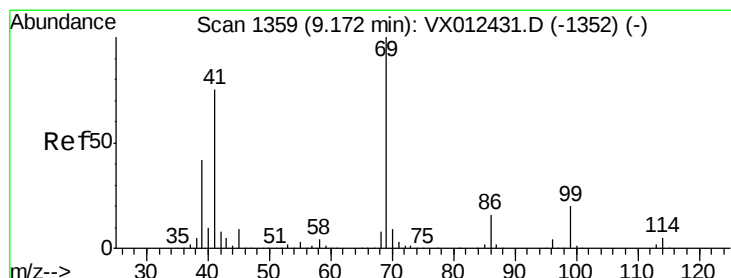
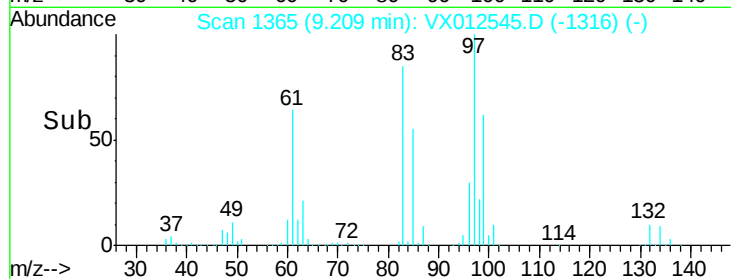
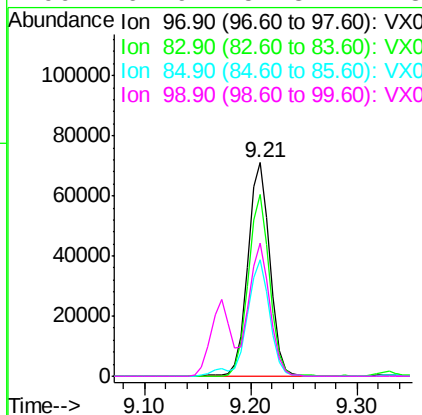
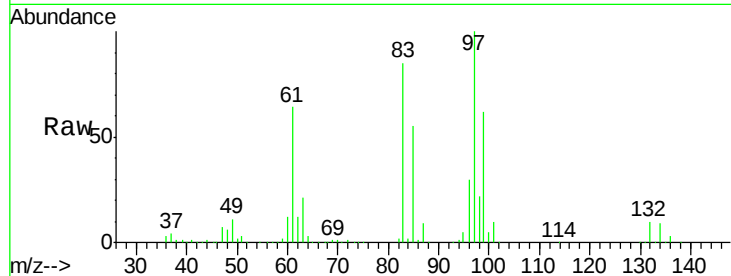
#55
 1,1,2-Trichloroethane
 Concen: 52.578 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		103119		
83	85.0	67.4	101.2		
85	54.7	43.5	65.3		
99	61.9	51.8	77.8		

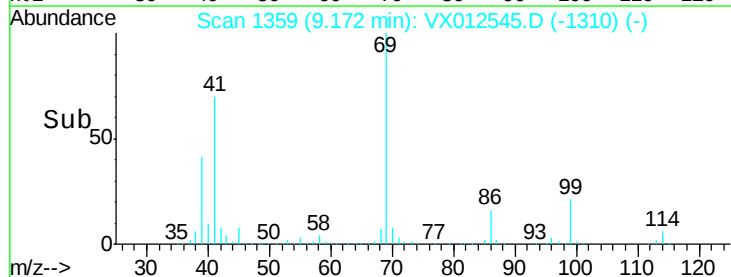
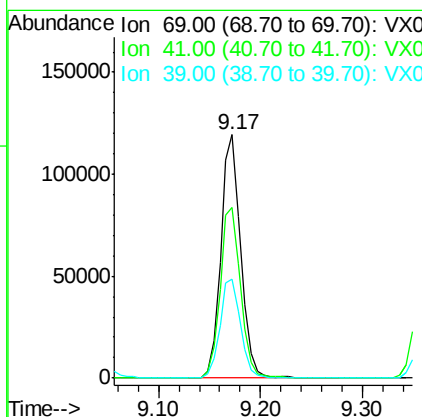
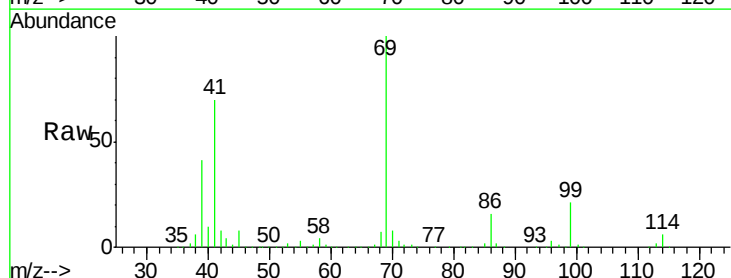
Manual Integrations
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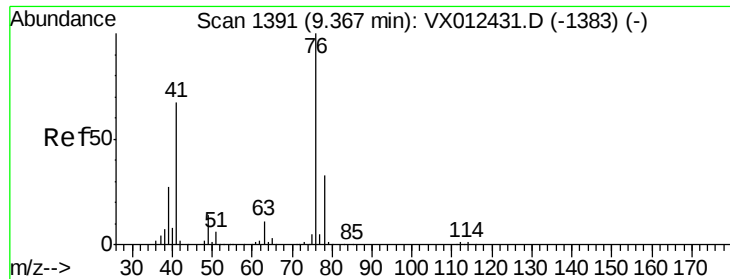
MMDadoda
 9/23/2019 11:29:30 AM



#56
 Ethyl methacrylate
 Concen: 52.762 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		161792		
41	72.0	58.4	87.6		
39	42.1	33.4	50.0		





#57

1,3-Dichloropropane

Concen: 52.994 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 165831

Ion Ratio Lower Upper

76 100

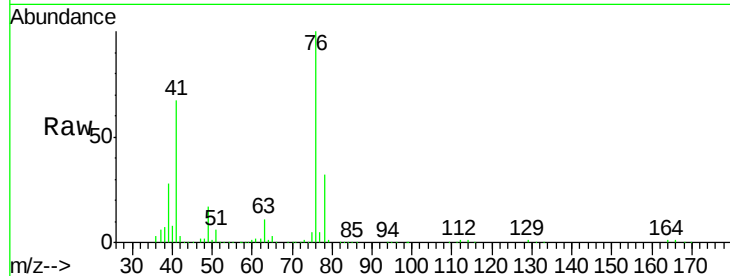
78 32.3 26.2 39.2

Manual Integrations

APPROVED

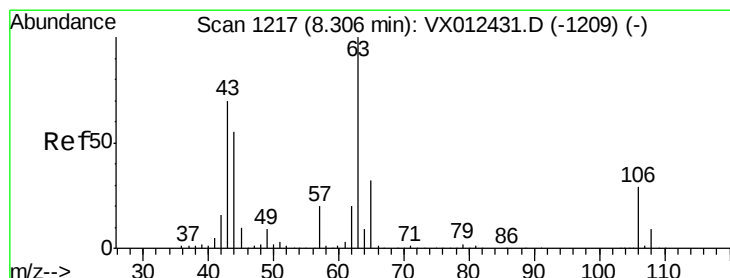
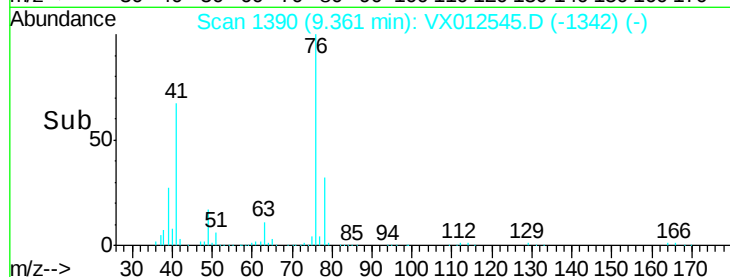
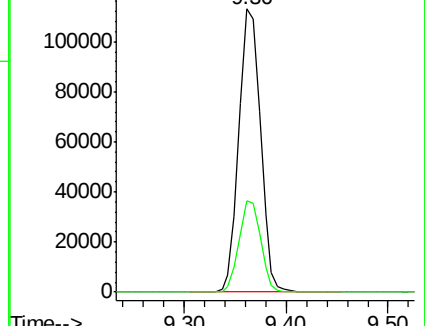
MMDadoda

9/23/2019 11:29:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 277.593 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012545.D

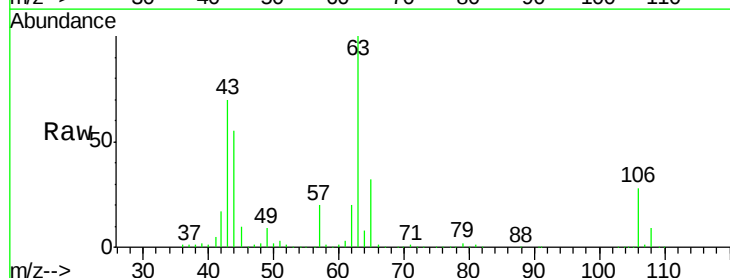
Acq: 20 Sep 2019 10:16

Tgt Ion: 63 Resp: 440625

Ion Ratio Lower Upper

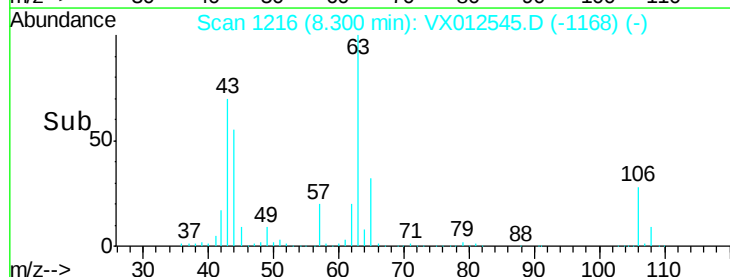
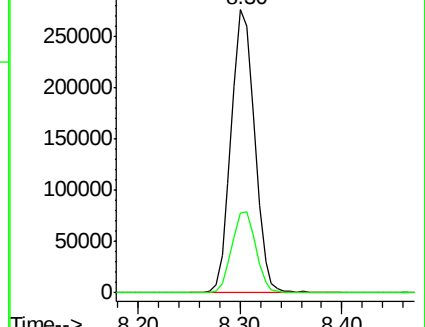
63 100

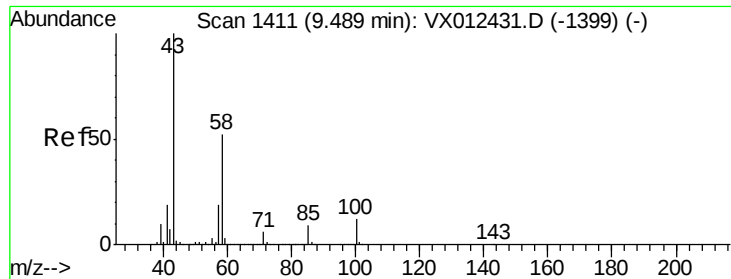
106 29.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





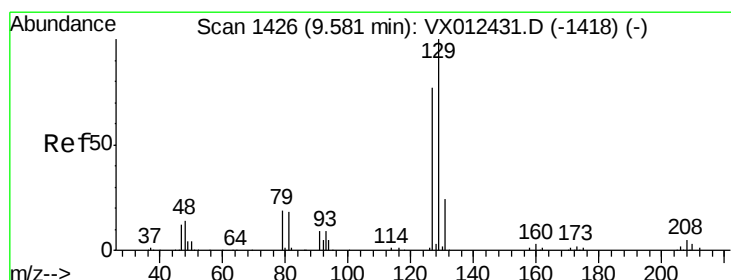
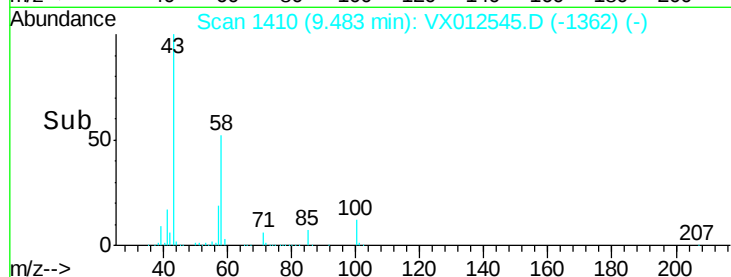
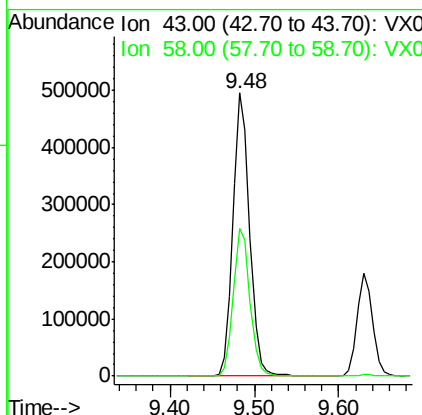
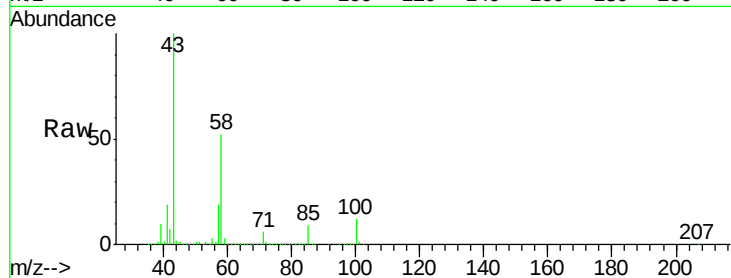
#59
2-Hexanone
Concen: 253.818 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 664680
Ion Ratio Lower Upper
43 100
58 52.6 25.7 77.1

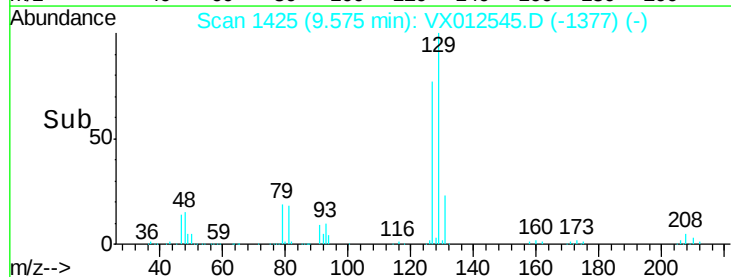
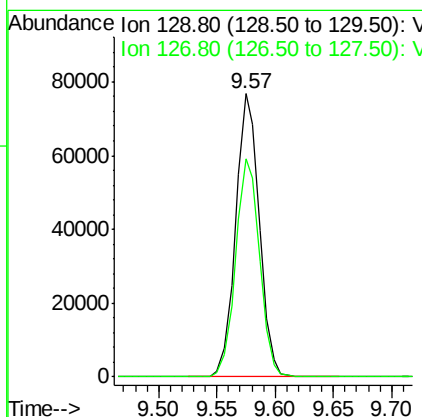
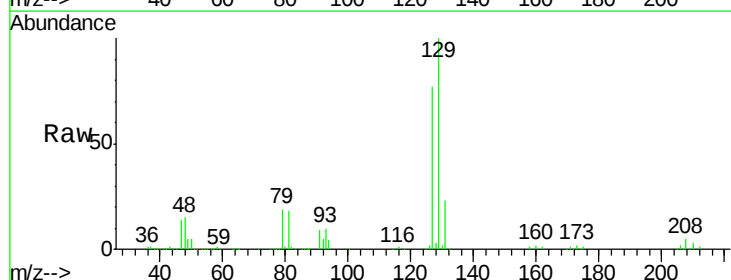
Manual Integrations
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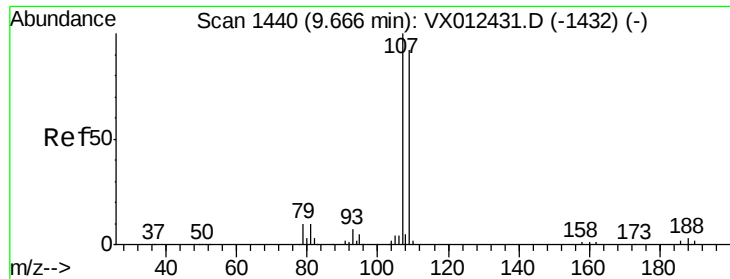
MMDadoda
9/23/2019 11:29:30 AM



#60
Dibromochloromethane
Concen: 54.376 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion: 129 Resp: 108630
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 54.432 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 97501

Ion Ratio Lower Upper

107 100

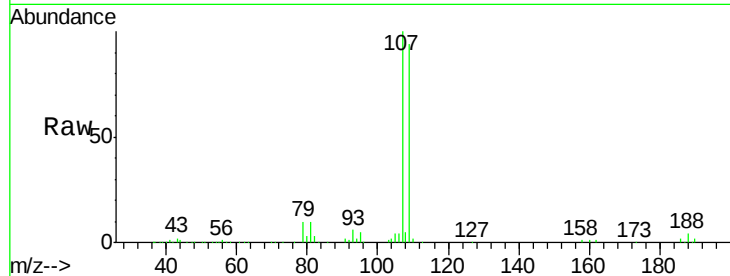
109 93.5 74.7 112.1

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

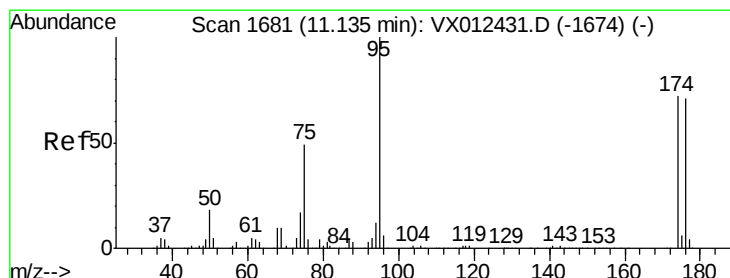
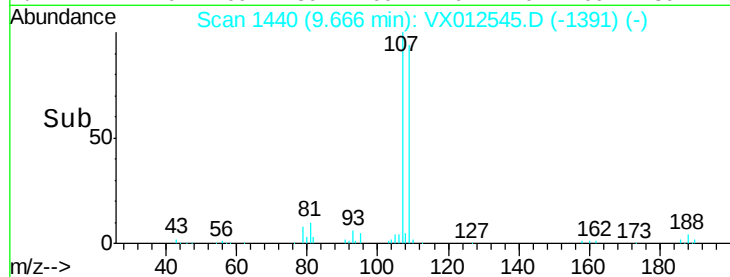
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.764 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

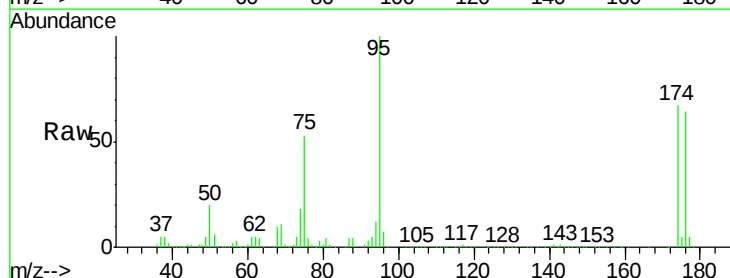
Tgt Ion: 95 Resp: 138664

Ion Ratio Lower Upper

95 100

174 72.8 0.0 140.0

176 69.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

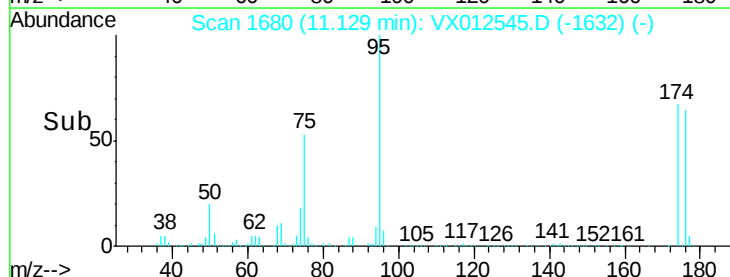
100000

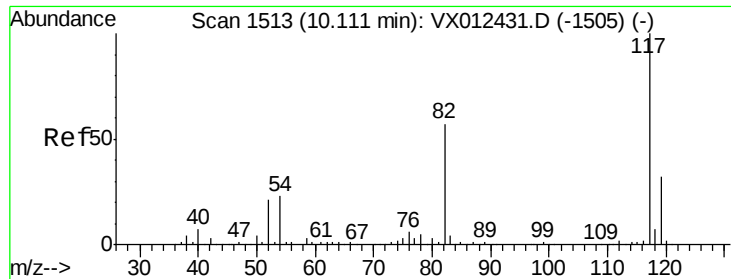
50000

0

Time-->

11.10 11.20





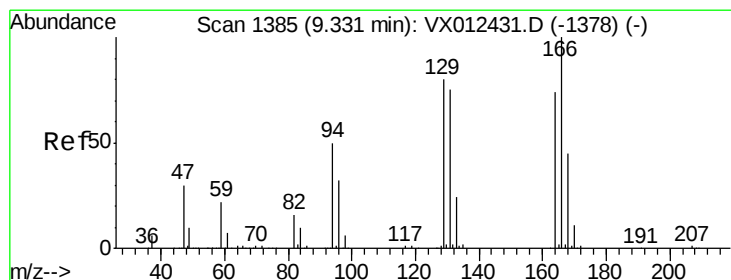
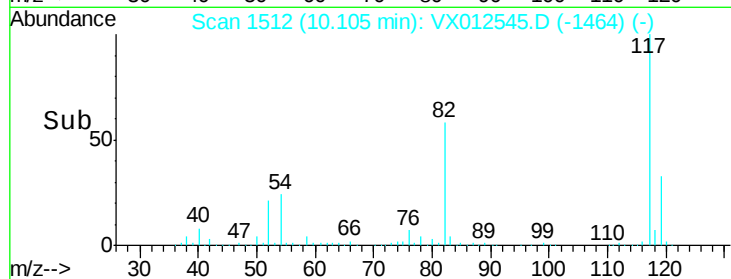
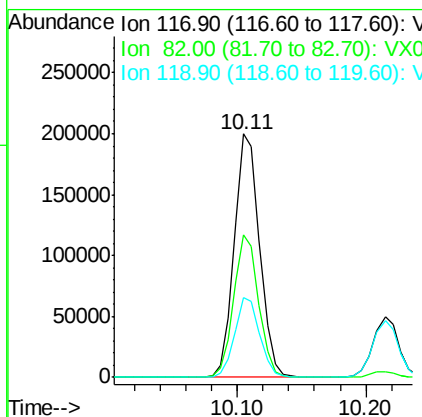
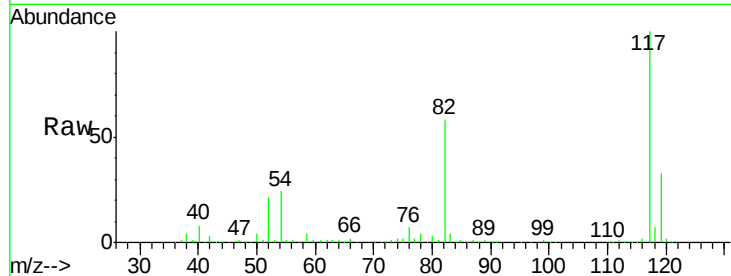
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.9	68.9
119	32.5	25.3	37.9

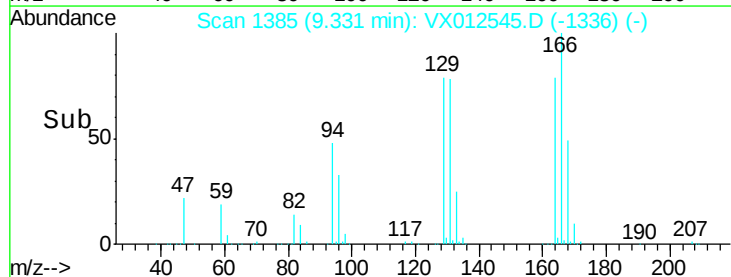
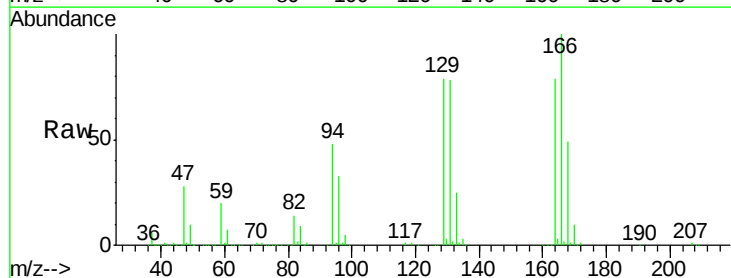
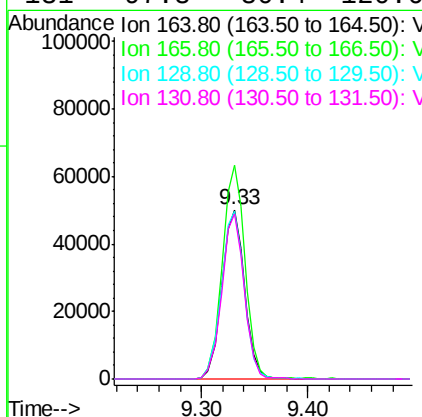
Manual Integrations
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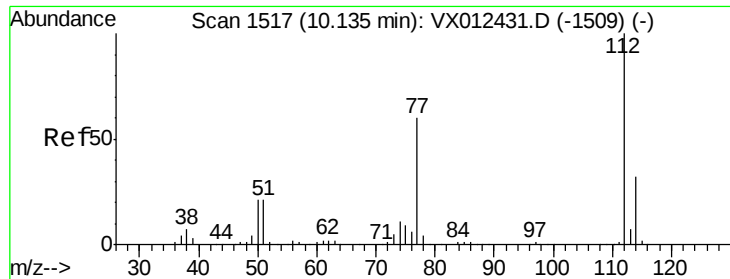
MMDadoda
9/23/2019 11:29:30 AM



#64
Tetrachloroethene
Concen: 59.386 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	107.8	161.6
129	99.1	86.2	129.2
131	97.8	80.4	120.6





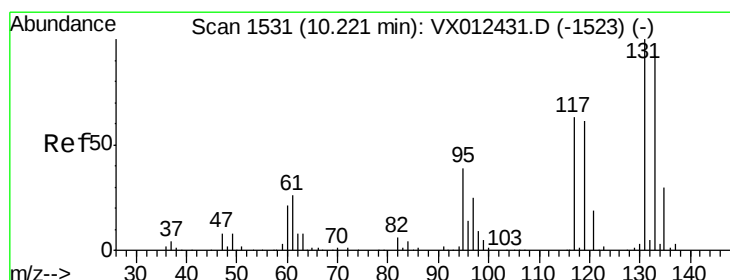
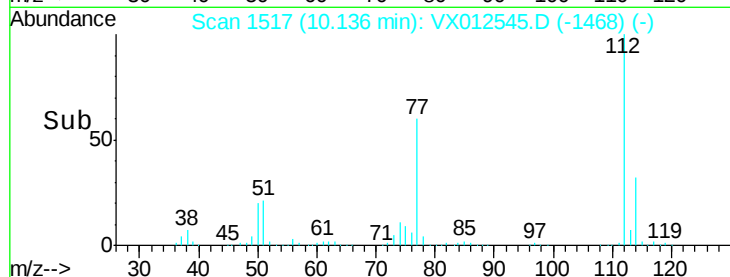
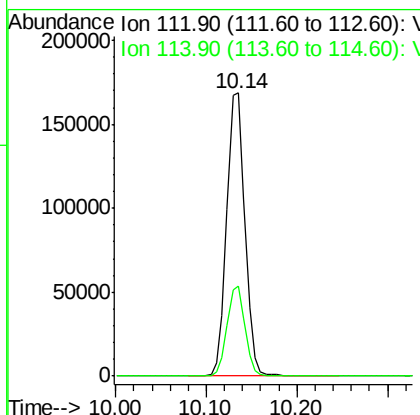
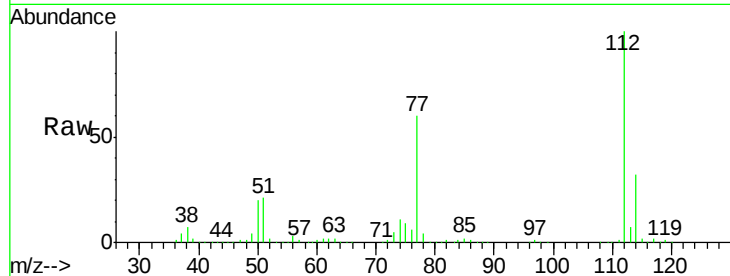
#65
Chlorobenzene
Concen: 52.251 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 236792
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

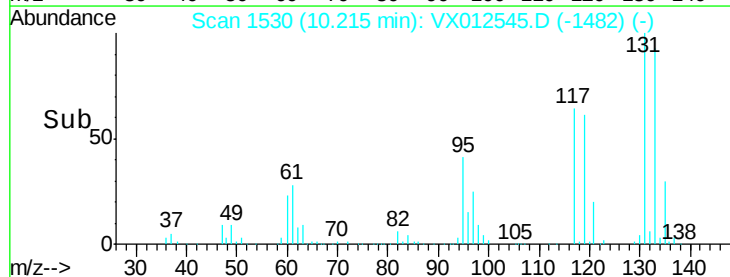
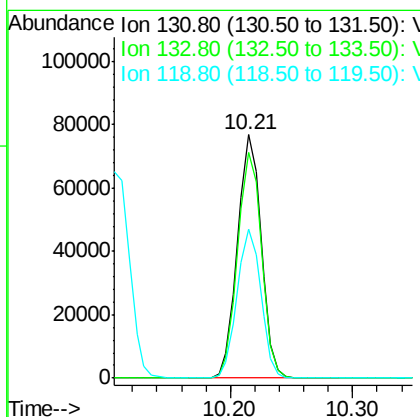
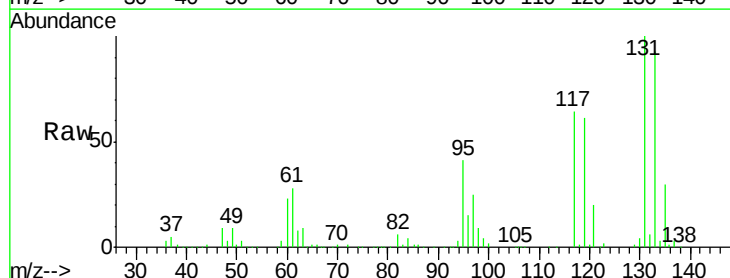
Manual Integrations
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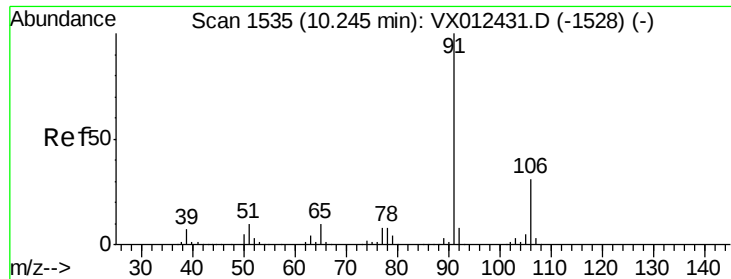
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.629 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion:131 Resp: 102746
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.9
119 61.8 31.3 93.8





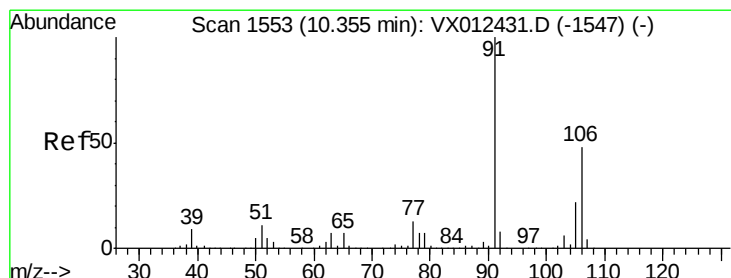
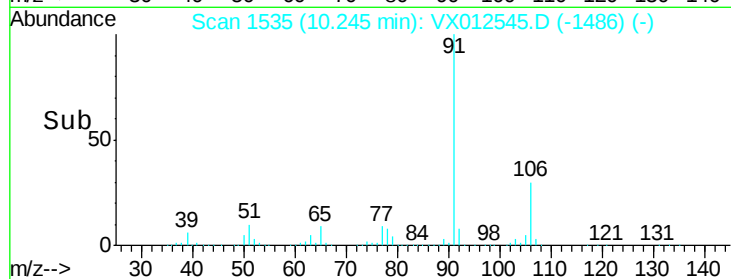
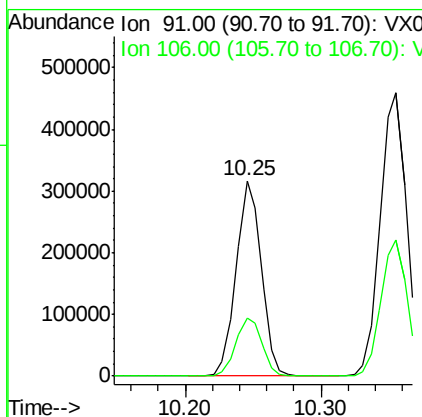
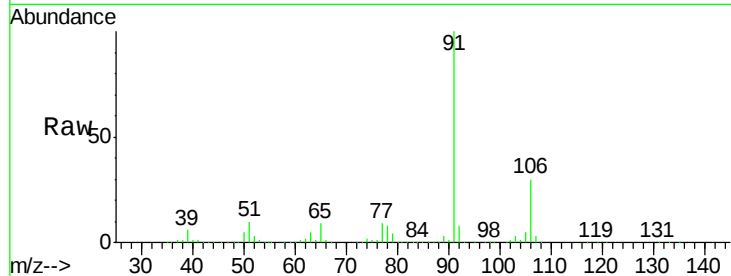
#67
Ethyl Benzene
Concen: 52.440 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 408294
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0

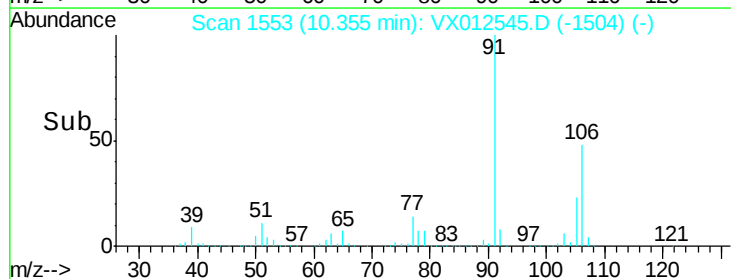
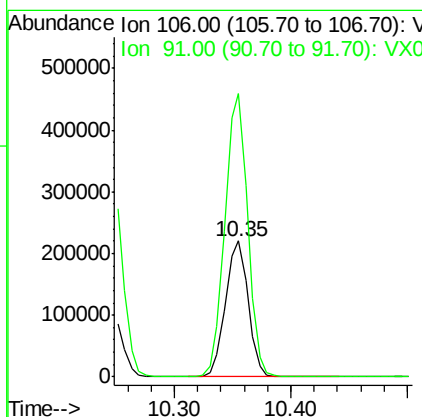
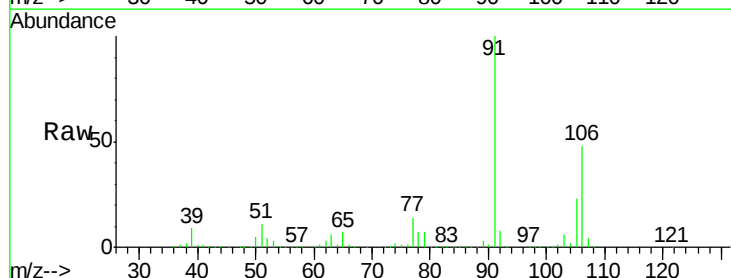
Manual Integrations
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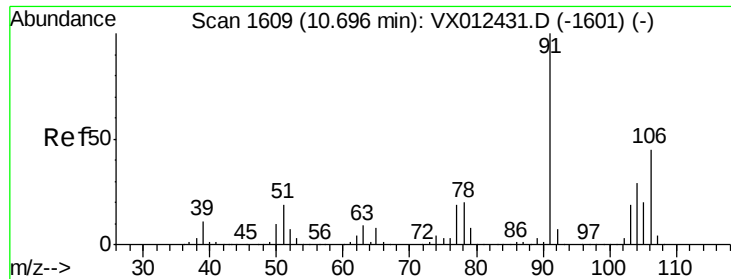
MMDadoda
9/23/2019 11:29:30 AM



#68
m/p-Xylenes
Concen: 105.160 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion: 106 Resp: 297909
Ion Ratio Lower Upper
106 100
91 208.3 166.6 250.0





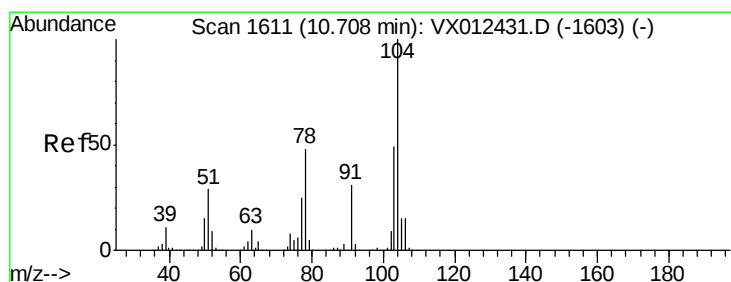
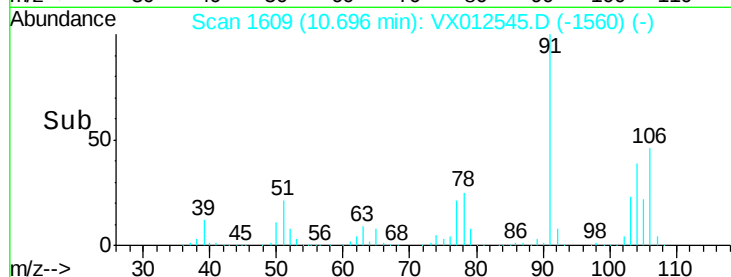
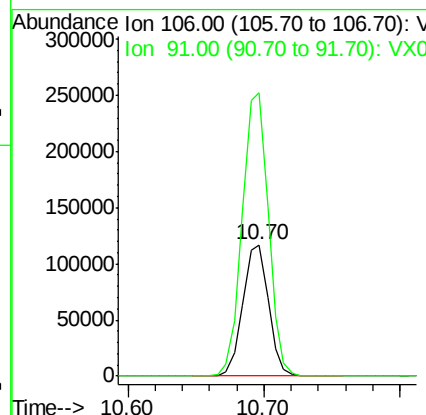
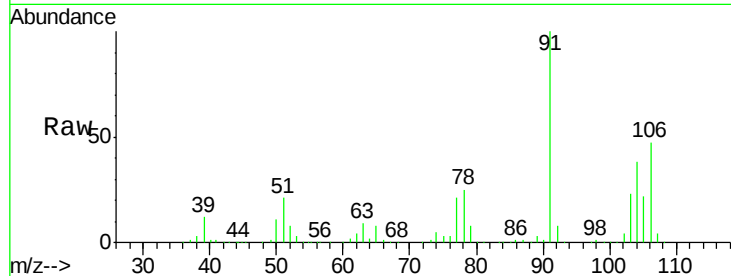
#69
o-Xylene
Concen: 52.734 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 153636
Ion Ratio Lower Upper
106 100
91 220.6 109.4 328.2

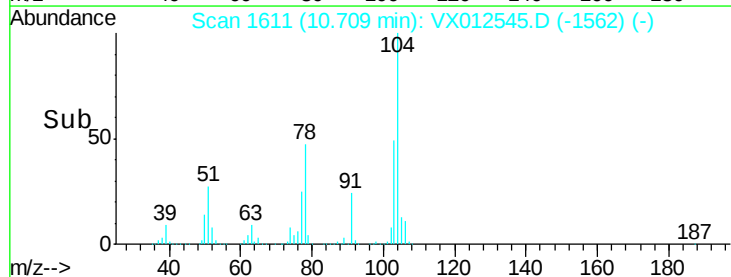
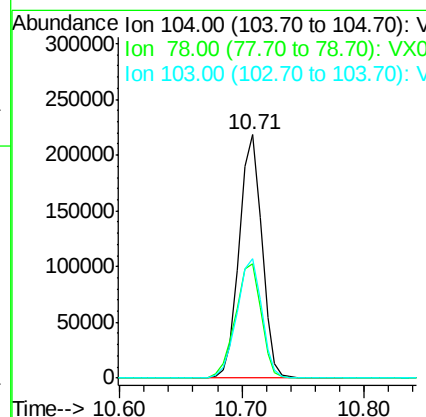
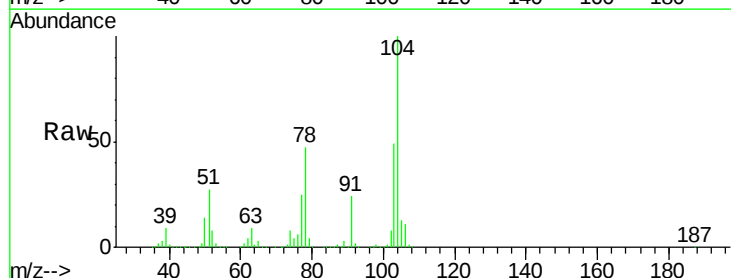
Manual Integrations
APPROVED

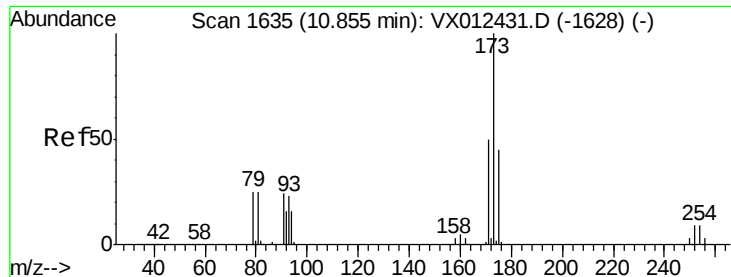
MMDadoda
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#70
Styrene
Concen: 53.902 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion:104 Resp: 277844
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.2
103 54.4 43.3 64.9





#71

Bromoform

Concen: 48.619 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78598

Ion Ratio Lower Upper

173 100

175 48.2 23.7 71.1

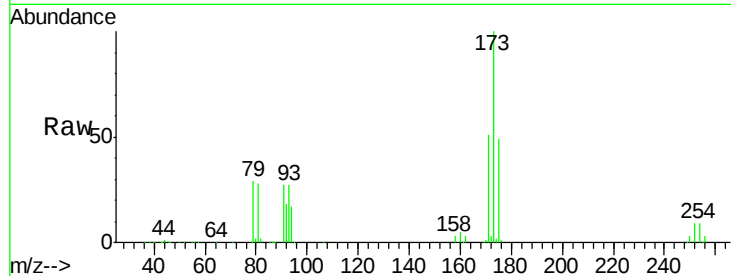
254 0.3 0.1 0.1#

Manual Integrations

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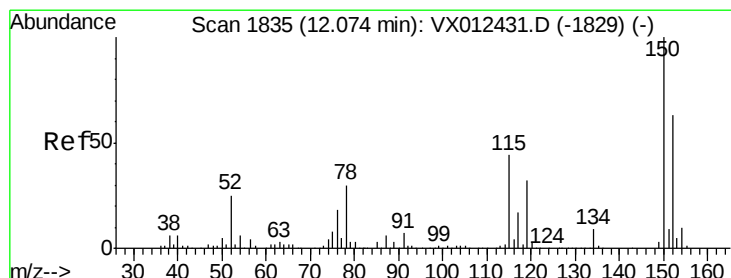
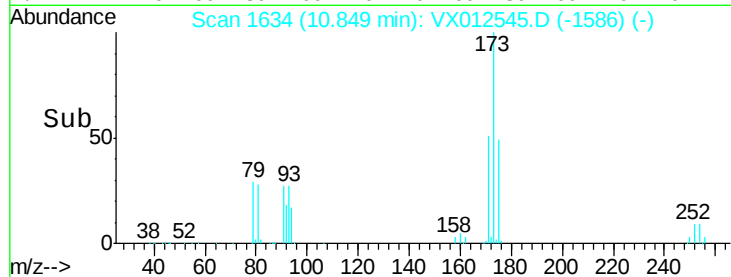
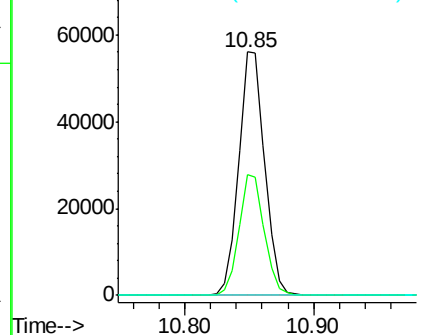
9/23/2019 11:29:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

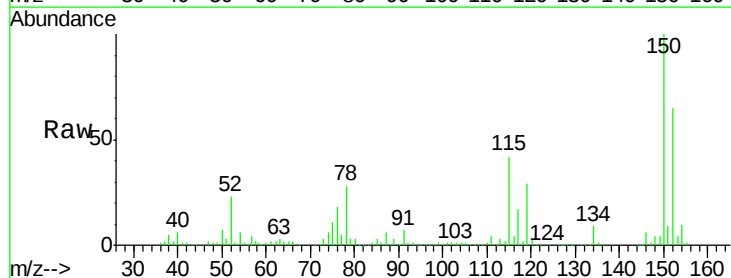
Tgt Ion:152 Resp: 136527

Ion Ratio Lower Upper

152 100

115 85.0 44.1 132.3

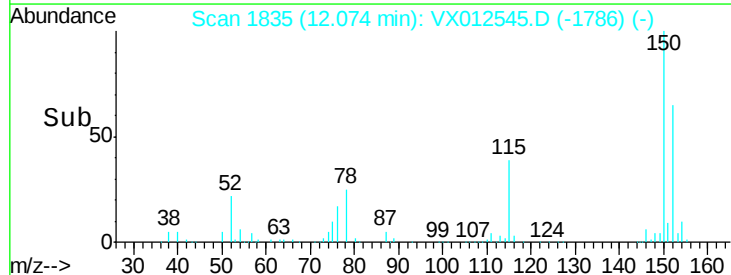
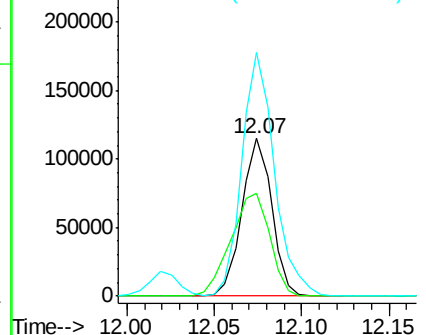
150 169.0 0.0 343.8

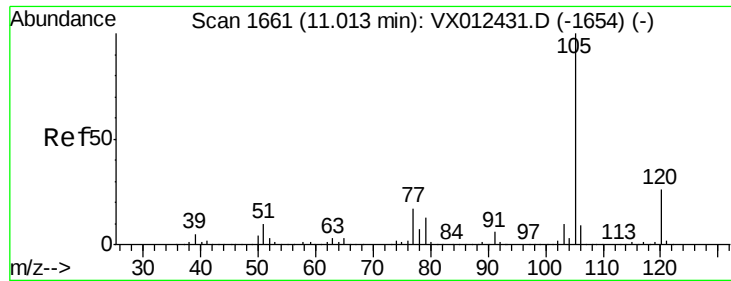


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.518 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 432750

Ion Ratio Lower Upper

105 100

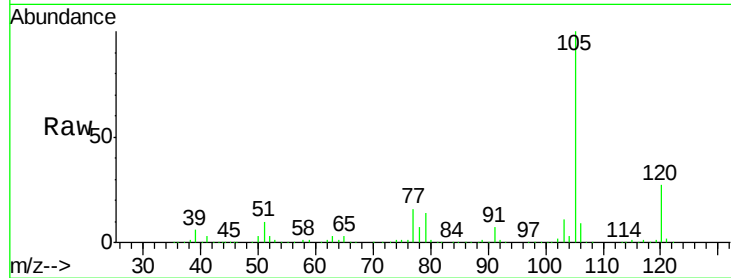
120 25.9 12.9 38.7

Manual Integrations

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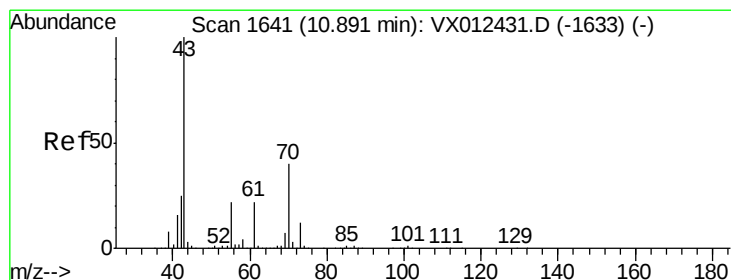
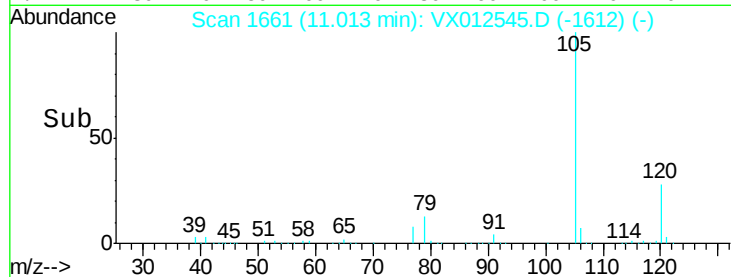
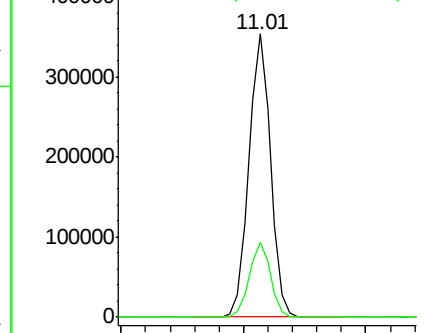
MMDadoda

9/23/2019 11:29:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.737 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion: 43 Resp: 238607

Ion Ratio Lower Upper

43 100

70 40.3 32.4 48.6

55 23.0 18.2 27.4

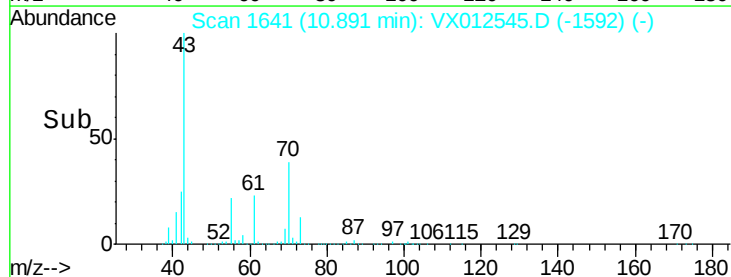
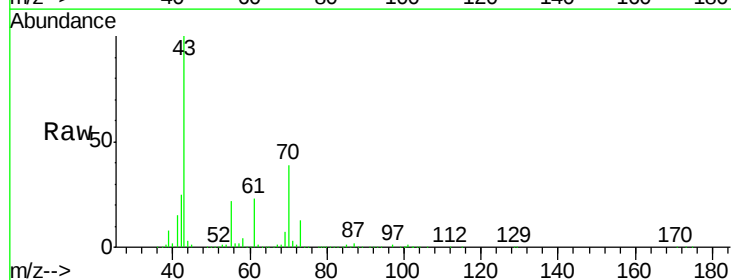
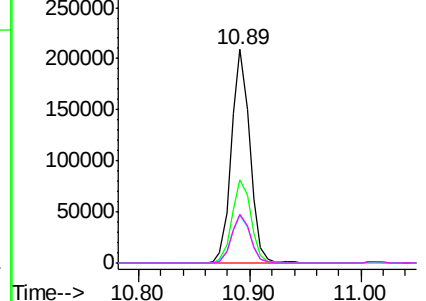
61 23.1 18.5 27.7

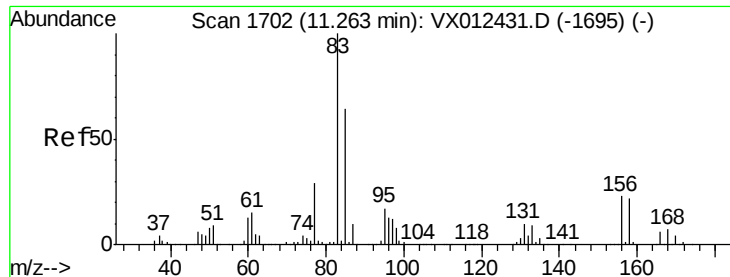
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.739 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

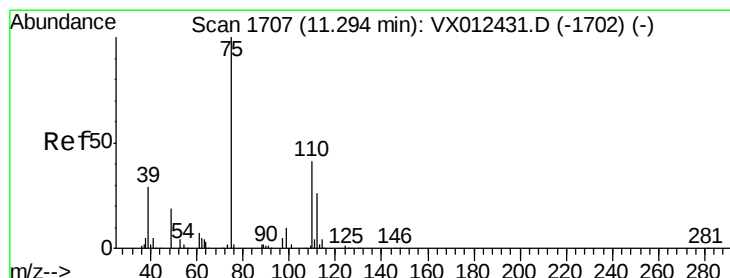
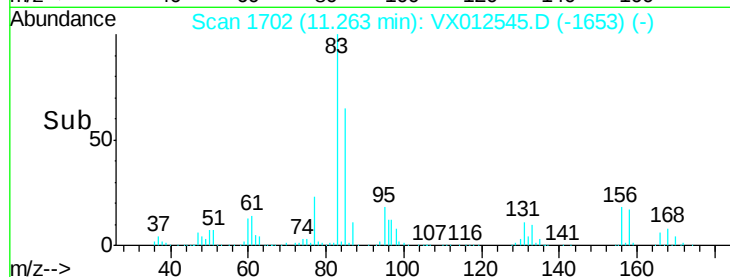
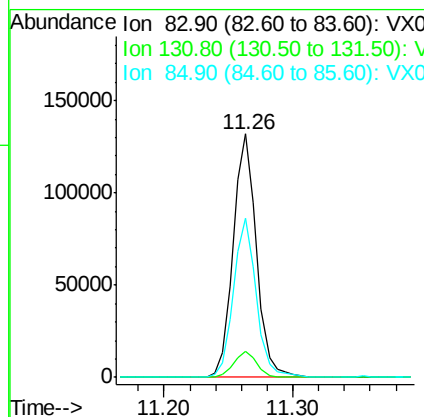
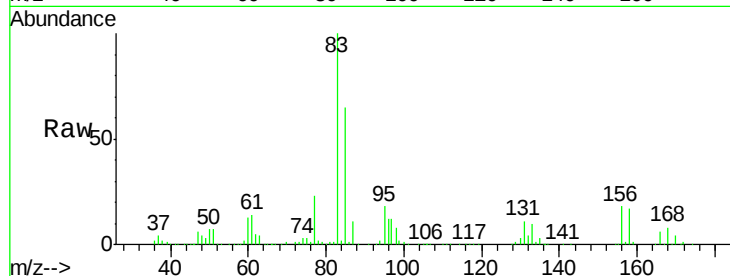
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	167139
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.3	32.0	96.0

Manual Integrations
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MMDadoda
9/23/2019 11:29:30 AM



#76

1,2,3-Trichloropropane

Concen: 52.487 ug/l m

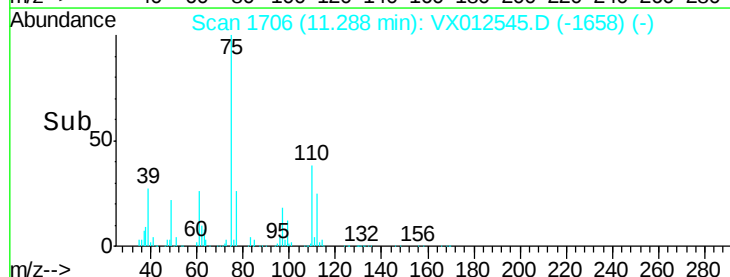
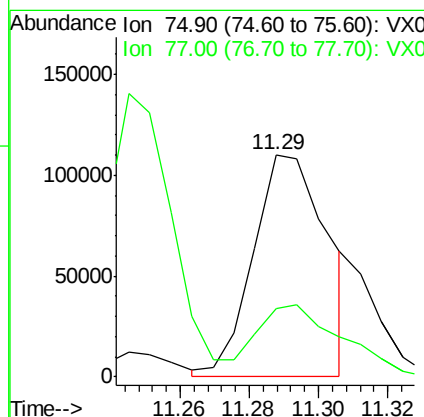
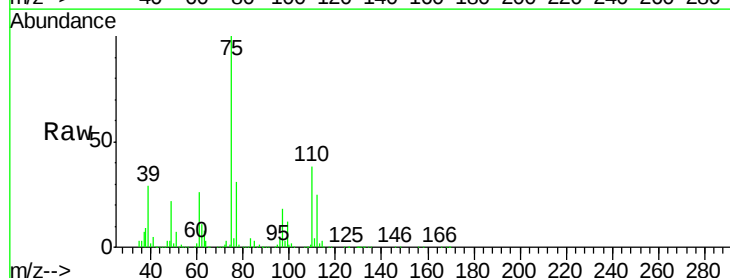
RT: 11.29 min Scan# 1706

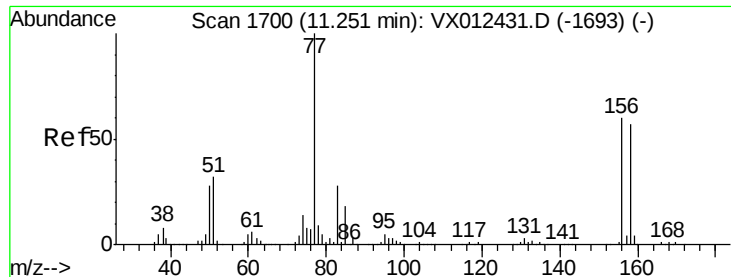
Delta R.T. -0.01 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion:	75	Resp:	164605
Ion Ratio	Lower	Upper	
75	100		
77	36.7	19.7	59.0





#77

Bromobenzene

Concen: 51.436 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

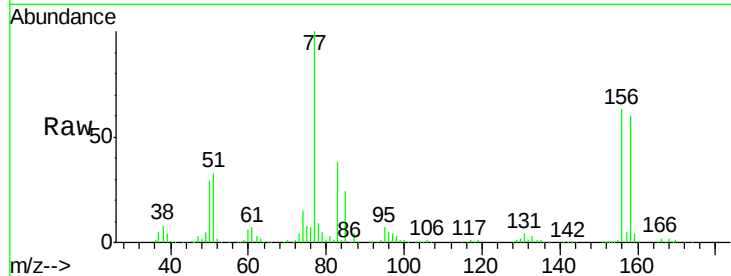
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	107458
Ion Ratio	Lower	Upper	
156	100		
77	173.8	87.3	261.8
158	95.7	48.5	145.6

Manual Integrations
APPROVED

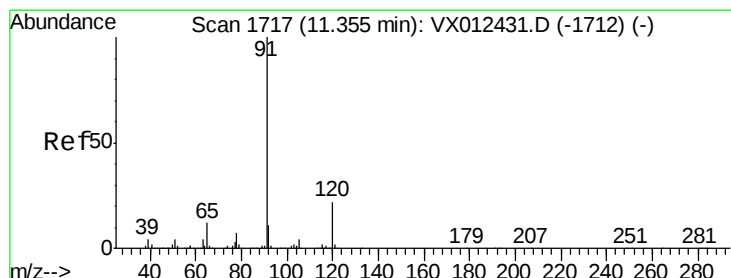
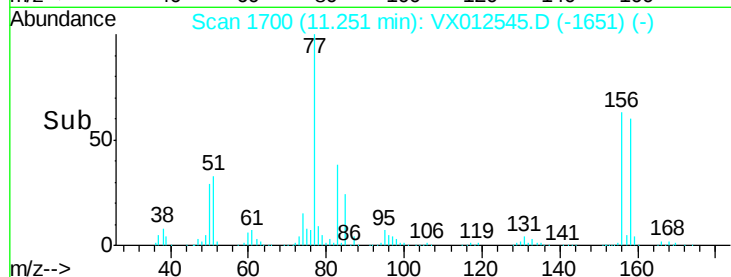
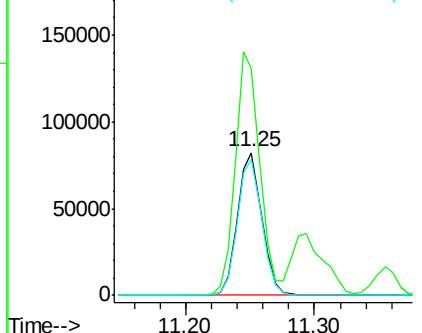
MMDadoda
9/23/2019 11:29:30 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.915 ug/l

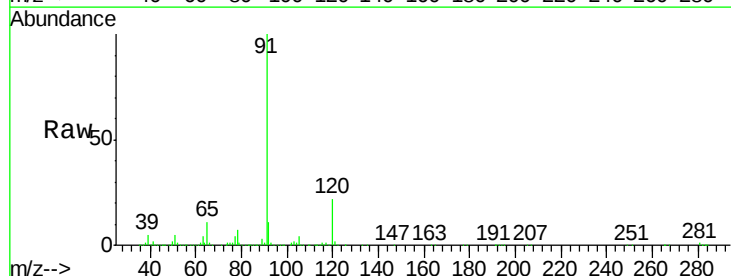
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012545.D

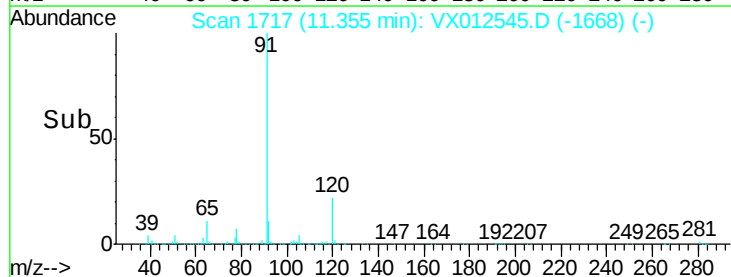
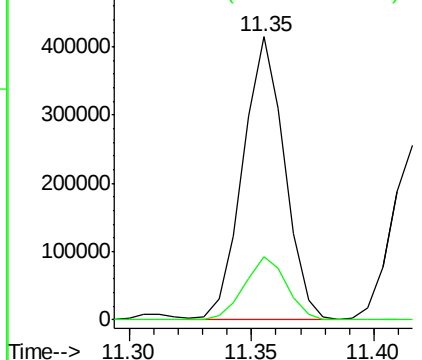
Acq: 20 Sep 2019 10:16

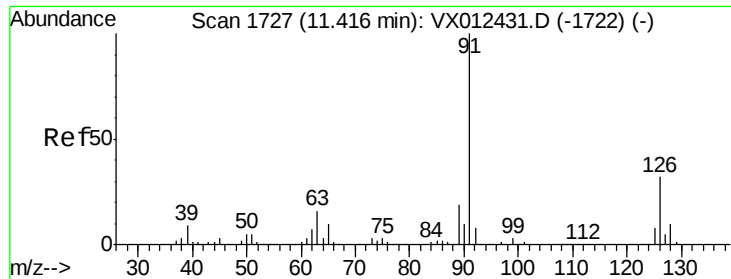
Tgt Ion:	91	Resp:	486113
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





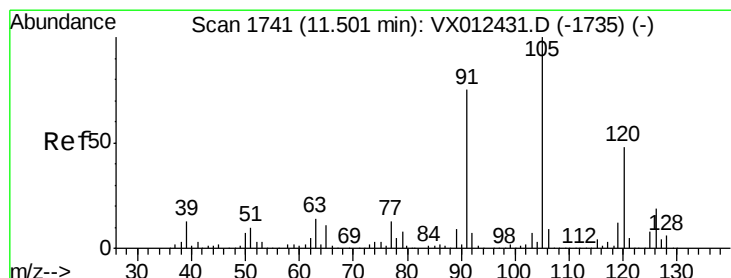
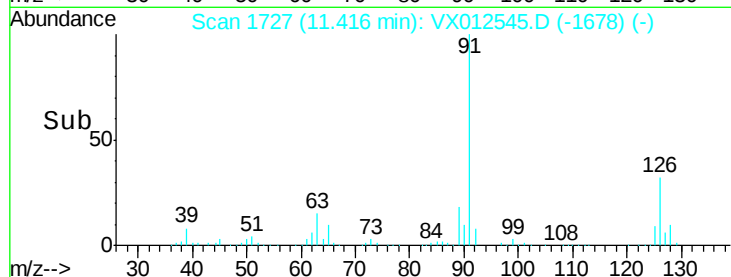
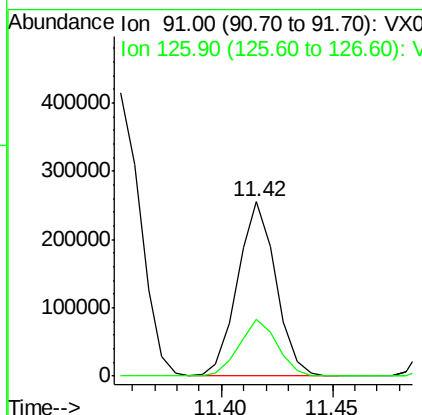
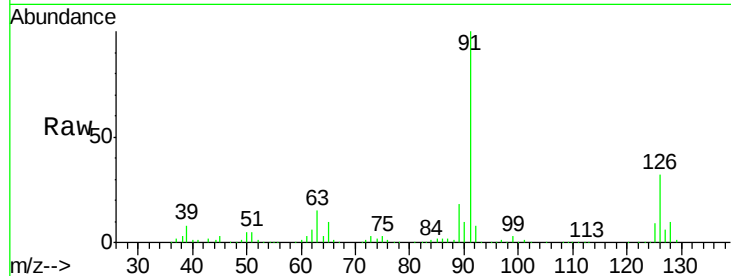
#79
 2-Chlorotoluene
 Concen: 49.093 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 304928
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.4

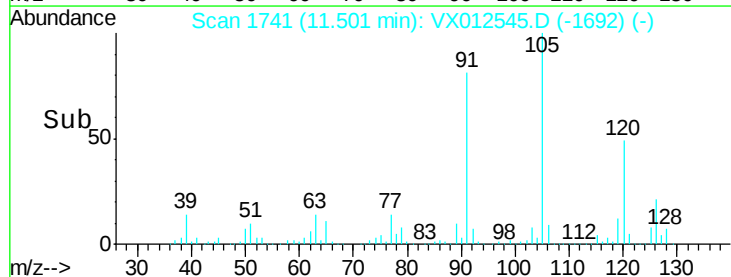
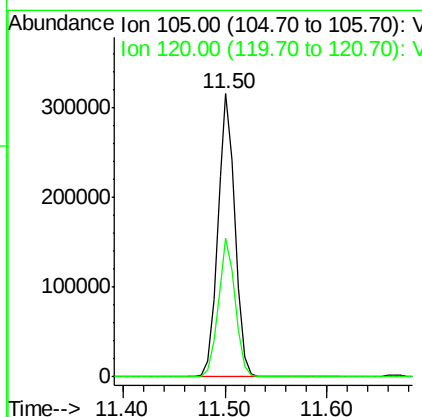
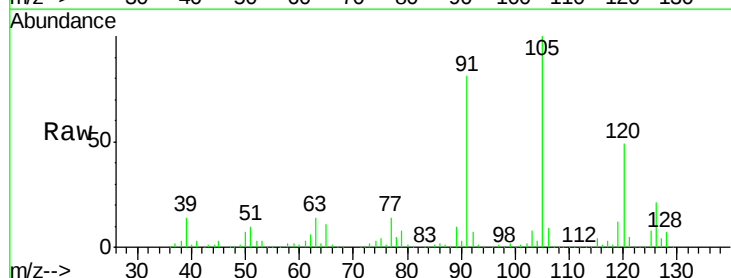
Manual Integrations
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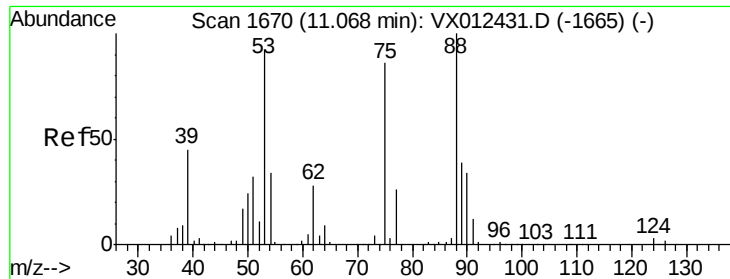
MMDadoda
 9/23/2019 11:29:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.716 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion: 105 Resp: 370511
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.616 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 52996

Ion Ratio Lower Upper

75 100

53 106.6 83.6 125.4

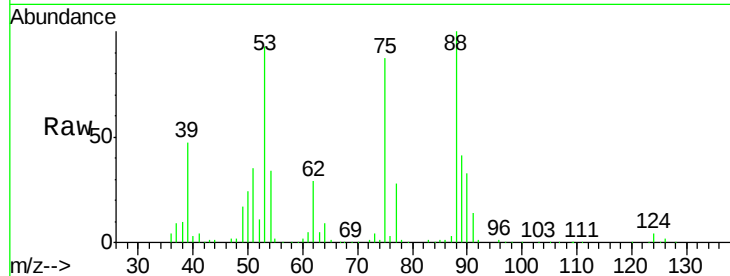
89 46.3 36.3 54.5

Manual Integrations

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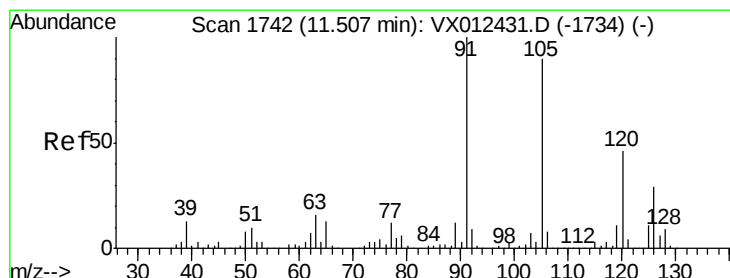
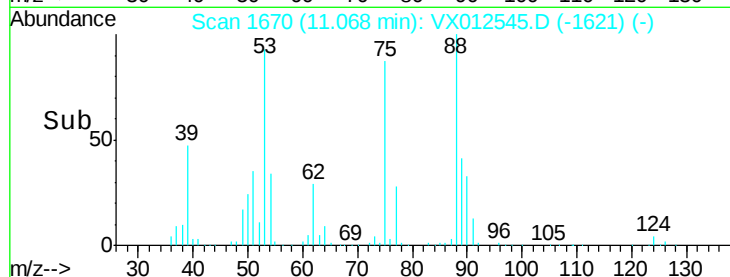
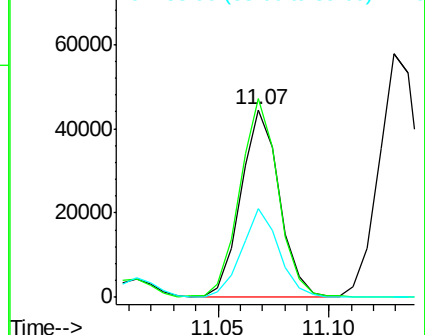
9/23/2019 11:29:30 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.688 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012545.D

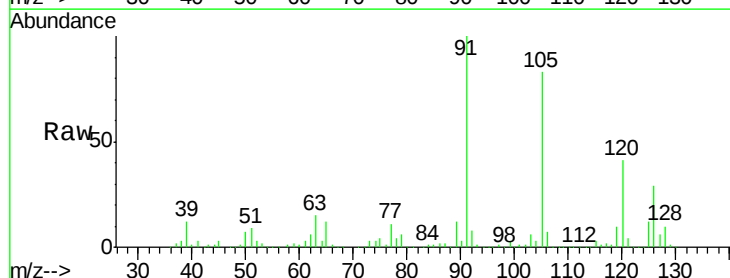
Acq: 20 Sep 2019 10:16

Tgt Ion: 91 Resp: 361332

Ion Ratio Lower Upper

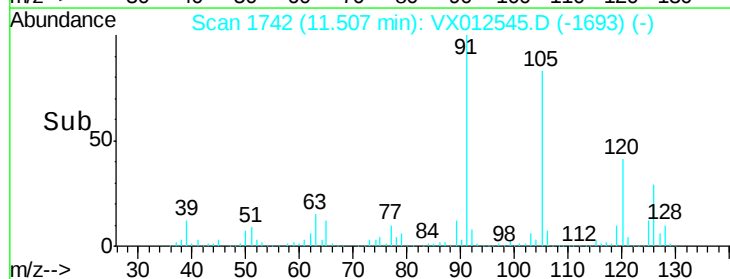
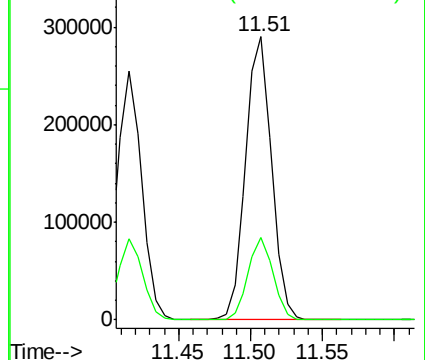
91 100

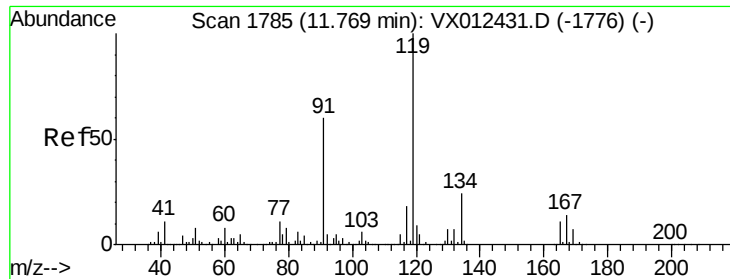
126 28.2 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





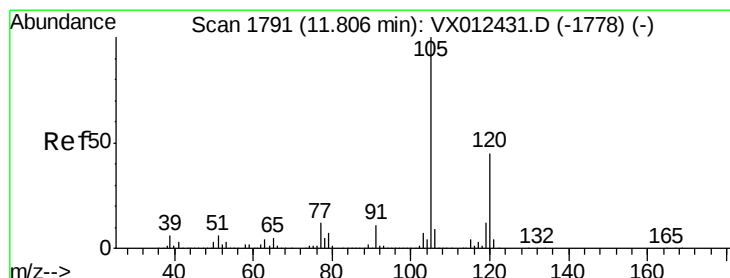
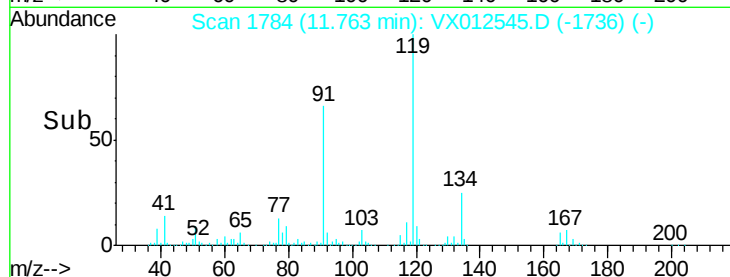
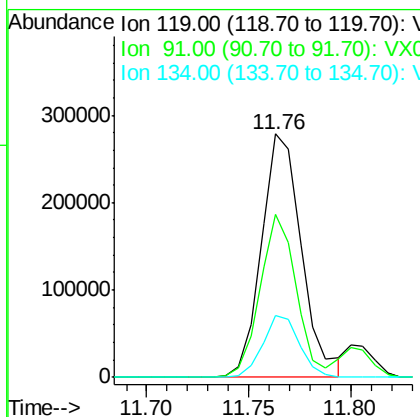
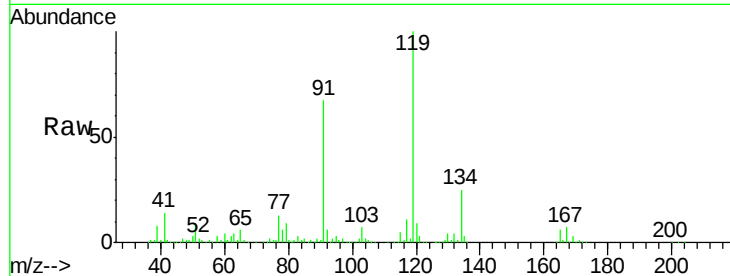
#83
tert-Butylbenzene
Concen: 48.771 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381798		
91	60.2	30.0	90.0	
134	23.4	11.3	33.9	

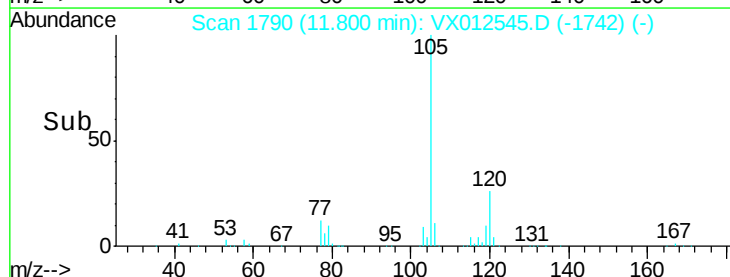
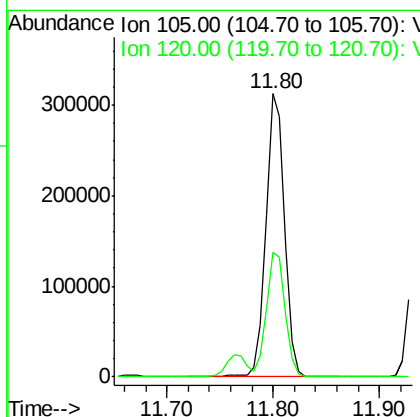
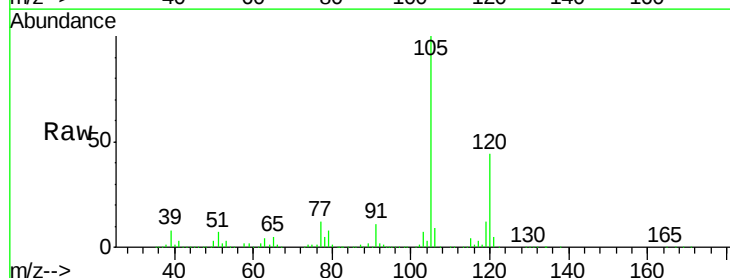
Manual Integrations
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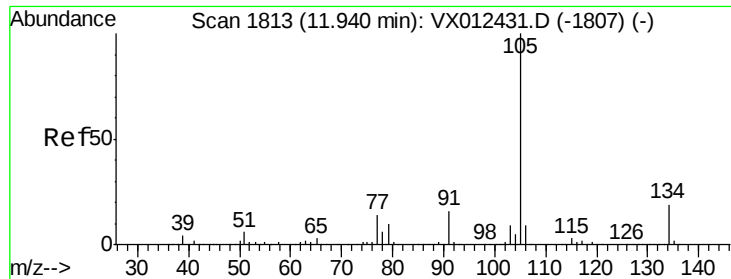
MMDadoda
9/23/2019 11:29:30 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.886 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	381708		
120	43.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 50.360 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 434414

Ion Ratio Lower Upper

105 100

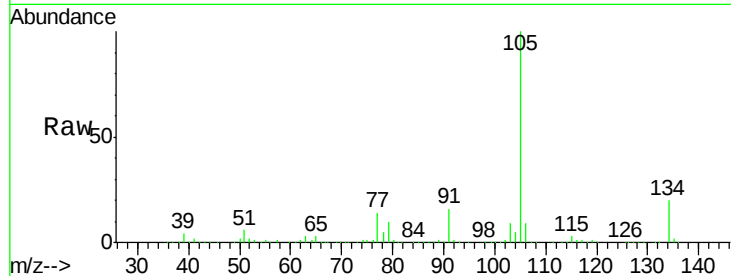
134 20.3 9.8 29.4

Manual Integrations

APPROVED

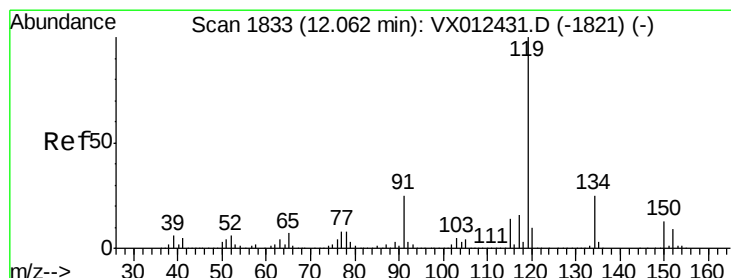
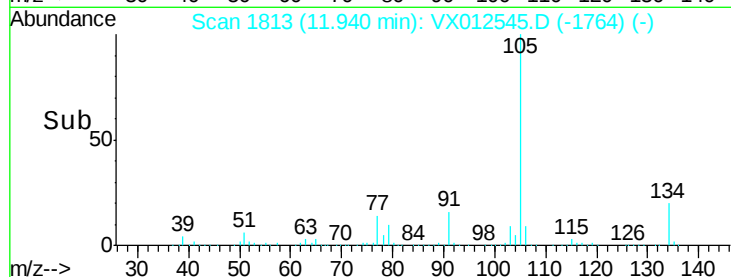
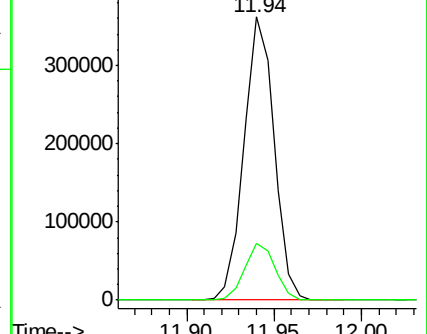
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.844 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

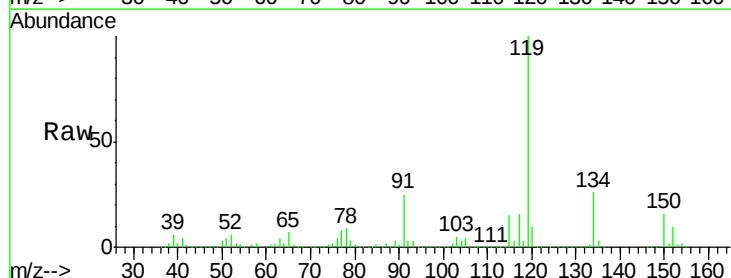
Tgt Ion:119 Resp: 402734

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

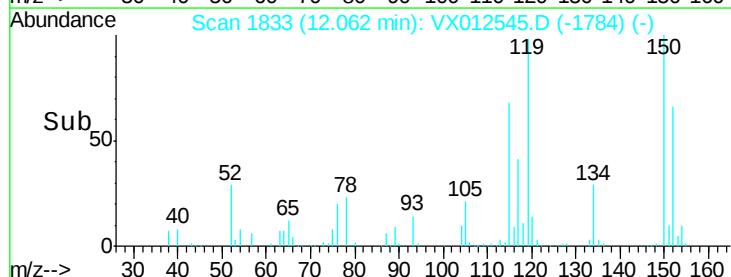
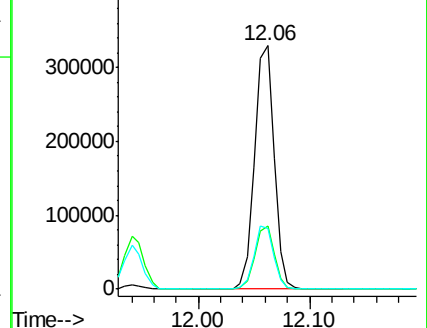
91 25.7 12.8 38.4

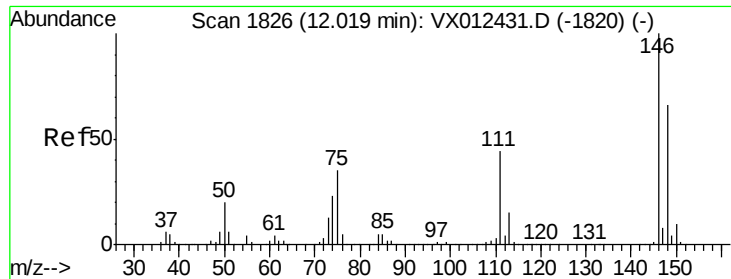


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





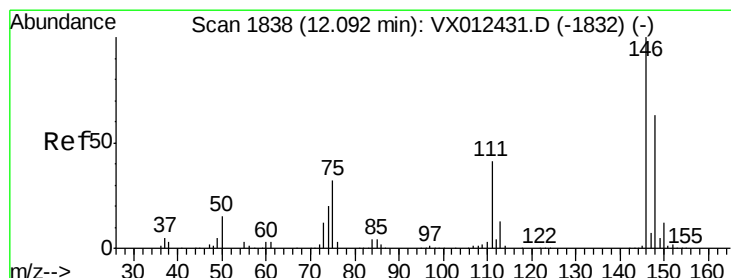
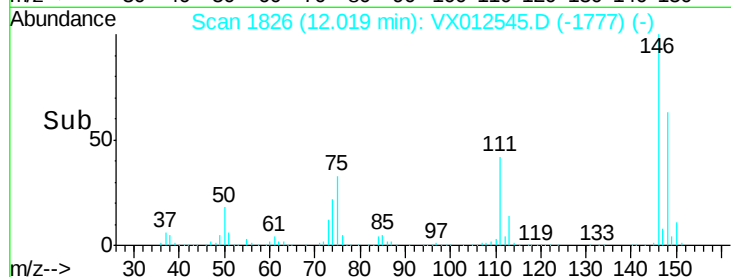
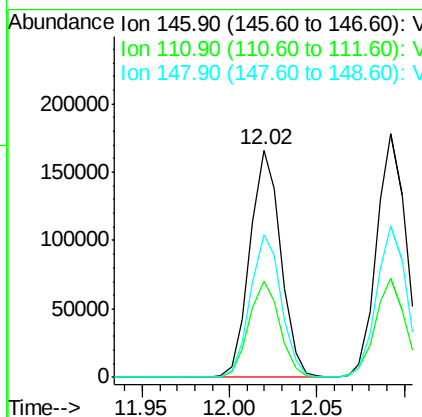
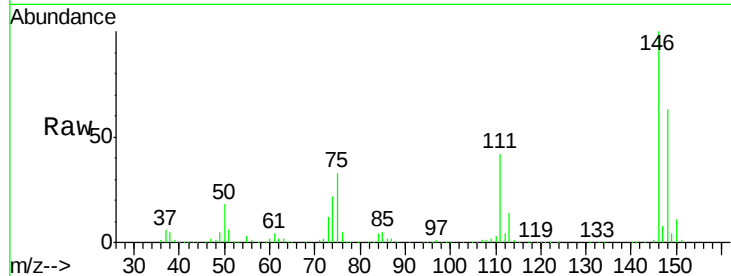
#87
 1,3-Dichlorobenzene
 Concen: 51.810 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.3	32.4	97.2

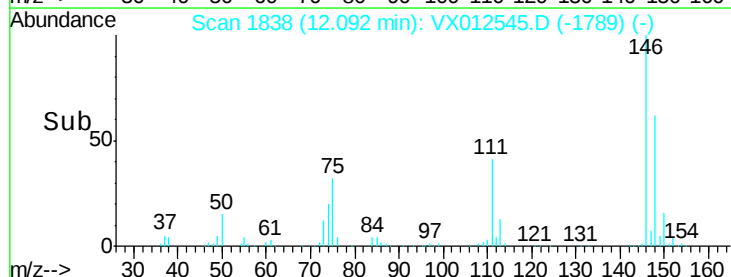
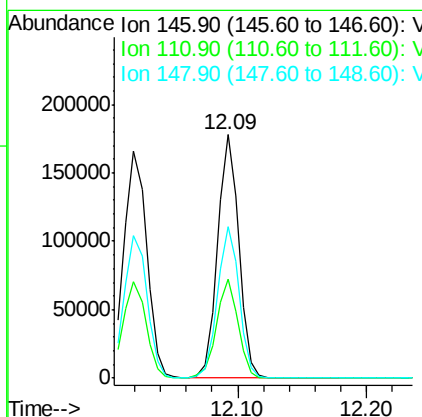
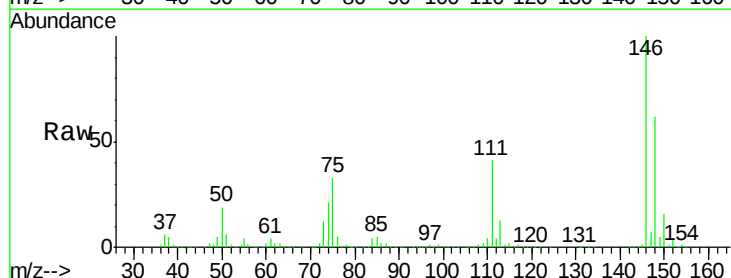
Manual Integrations
 APPROVED

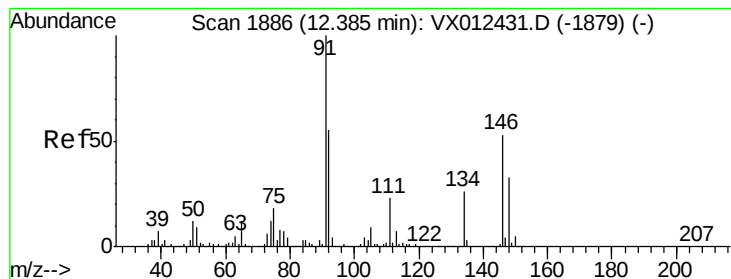
MMDadoda
 9/23/2019 11:29:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.441 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	63.4	32.1	96.5





#89

n-Butylbenzene

Concen: 49.789 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Instrument :

MSVOA_X

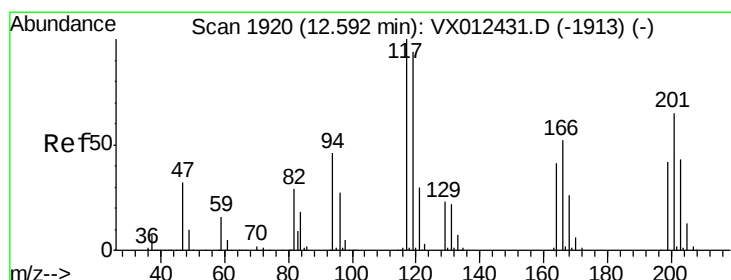
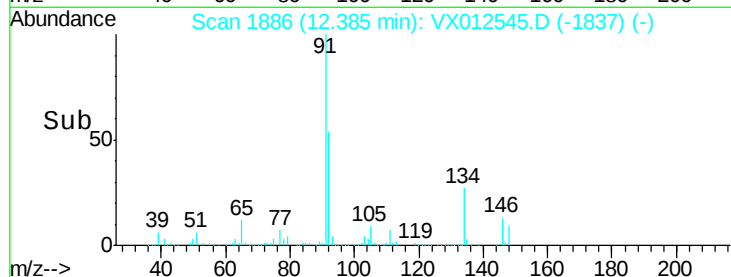
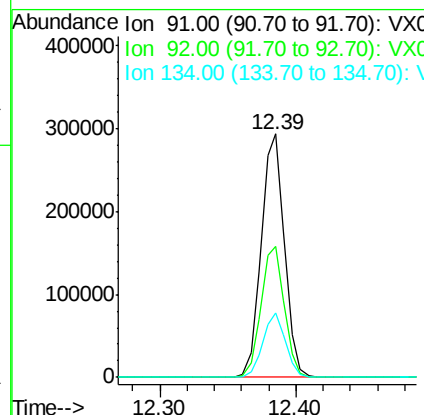
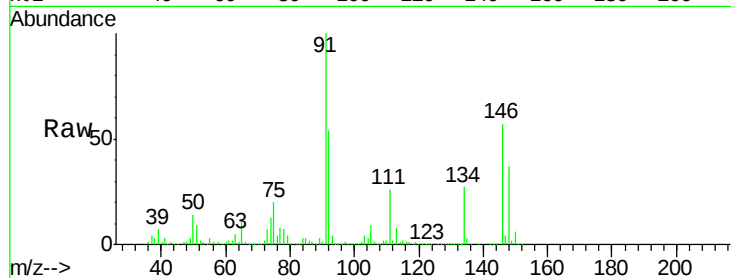
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	351884
Ion Ratio	Lower	Upper	
91	100		
92	54.5	27.7	83.0
134	25.8	12.9	38.6

Manual Integrations
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9/23/2019 11:29:30 AM



#90

Hexachloroethane

Concen: 49.441 ug/l

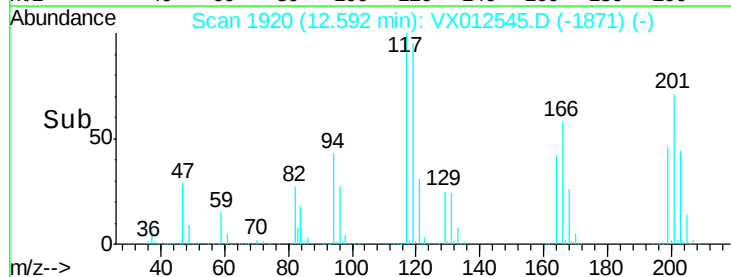
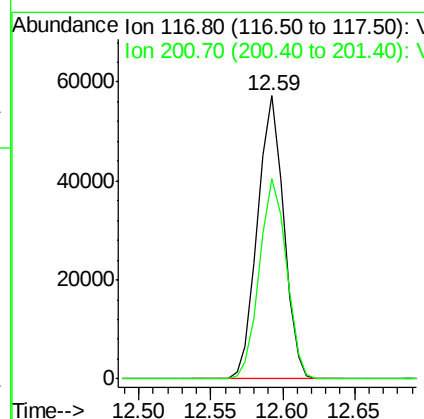
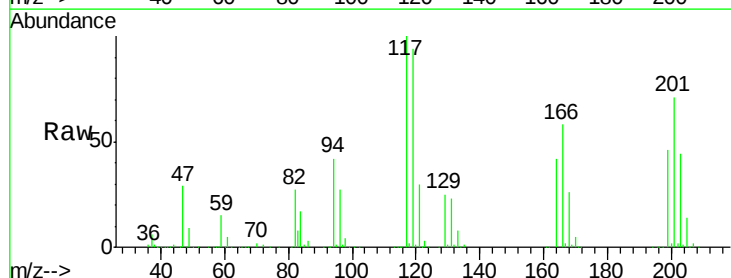
RT: 12.59 min Scan# 1920

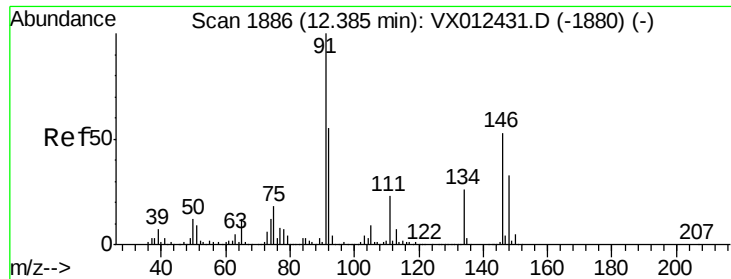
Delta R.T. 0.00 min

Lab File: VX012545.D

Acq: 20 Sep 2019 10:16

Tgt Ion:	117	Resp:	71808
Ion Ratio	Lower	Upper	
117	100		
201	72.7	33.3	99.8





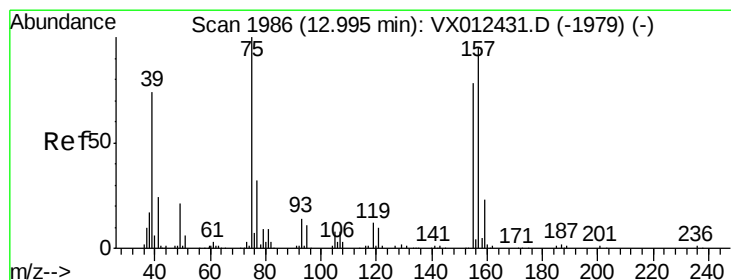
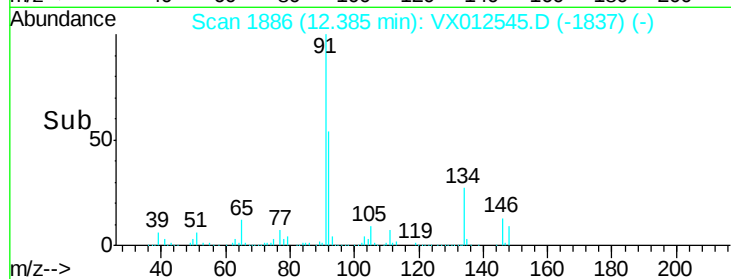
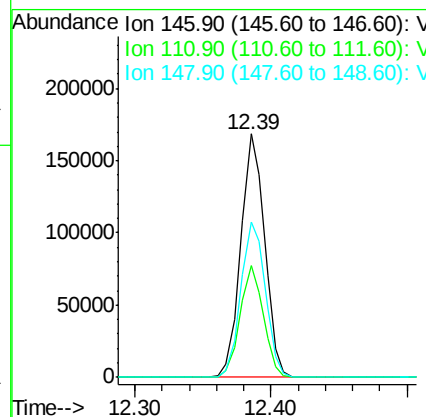
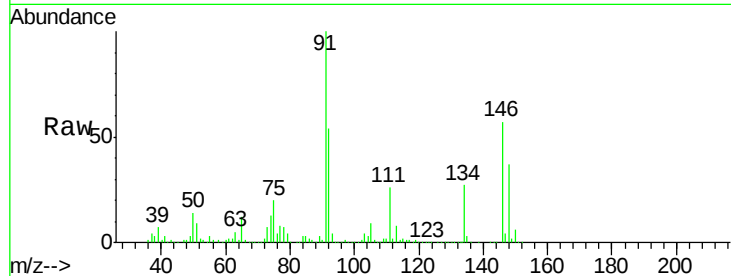
#91
 1,2-Dichlorobenzene
 Concen: 50.142 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205955		
111	44.8	22.1	66.1	
148	65.9	31.3	93.9	

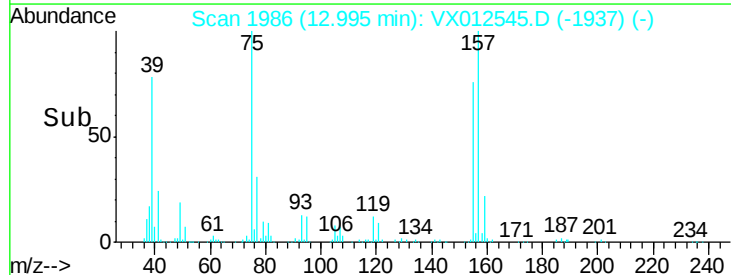
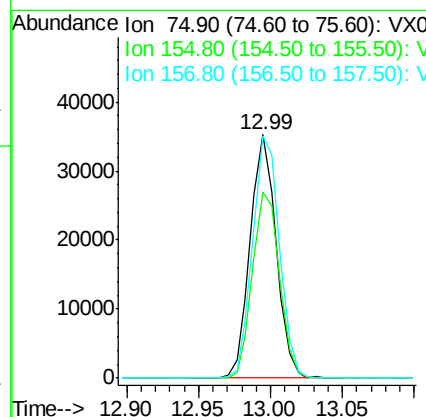
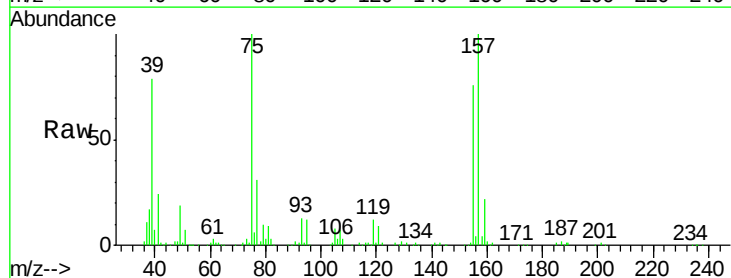
Manual Integrations
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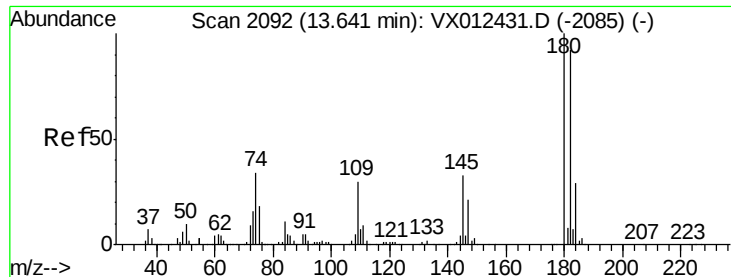
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 9/23/2019 11:29:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.294 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43815		
155	79.0	38.6	115.8	
157	102.2	50.6	151.9	





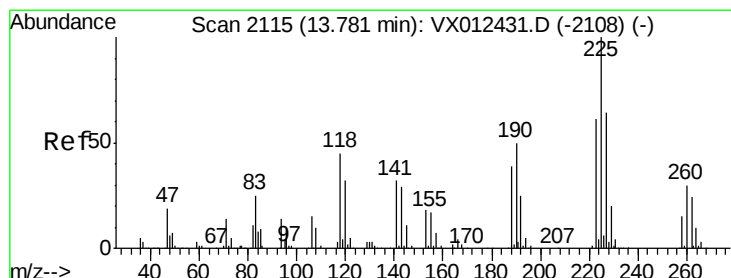
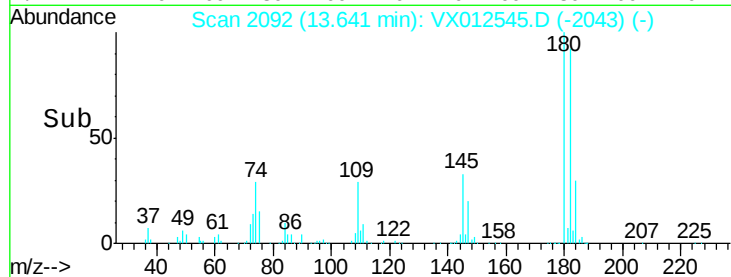
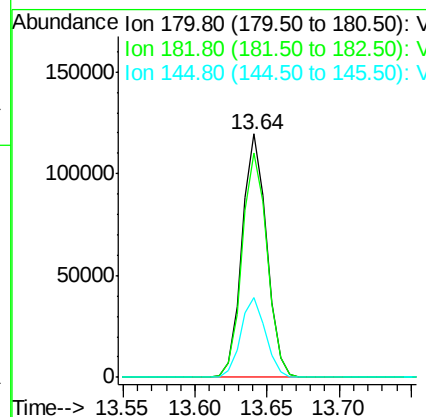
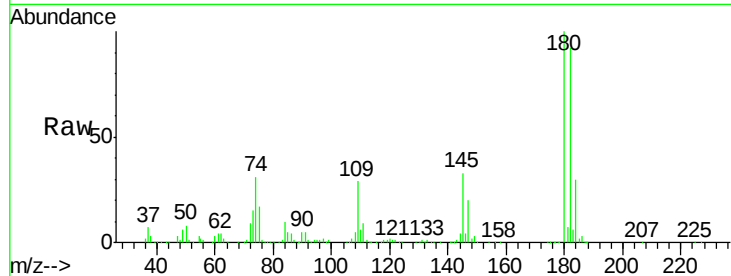
#93
 1,2,4-Trichlorobenzene
 Concen: 53.958 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142755		
182	93.7	47.0	141.0	
145	32.9	16.8	50.4	

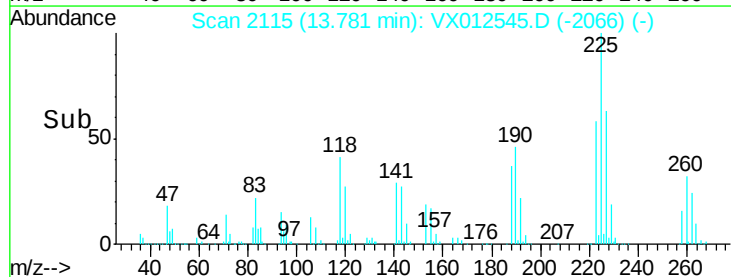
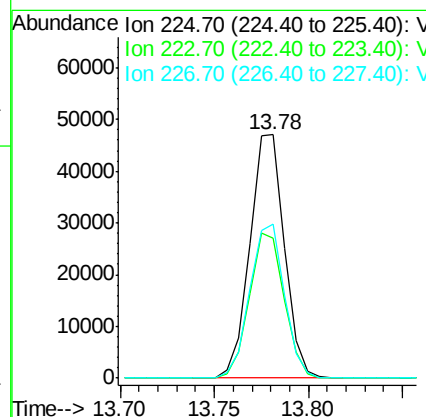
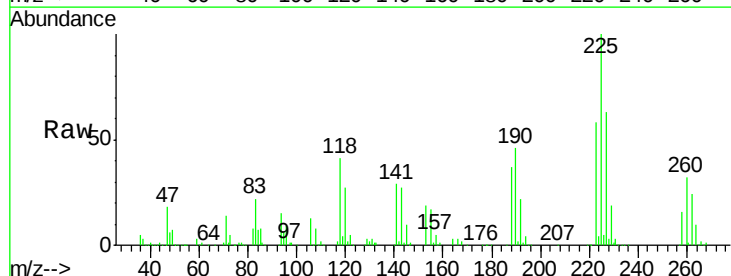
Manual Integrations
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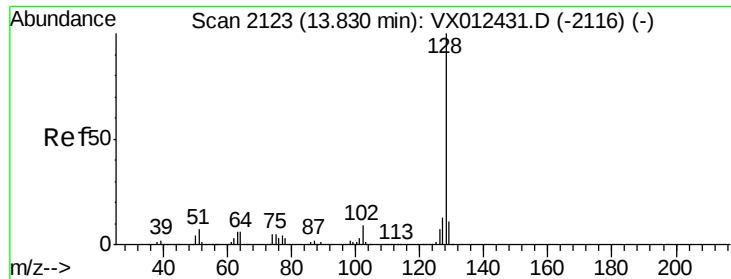
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 9/23/2019 11:29:30 AM



#94
 Hexachlorobutadiene
 Concen: 48.020 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012545.D
 Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59878		
223	60.5	32.0	96.2	
227	63.4	31.9	95.5	





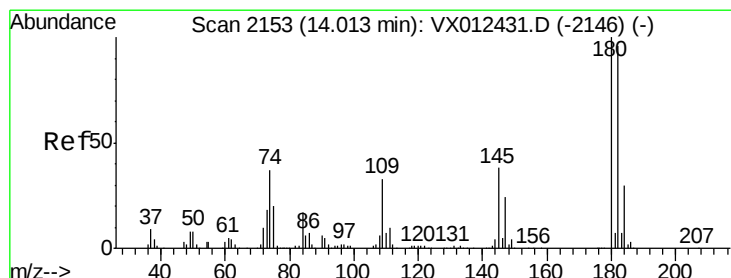
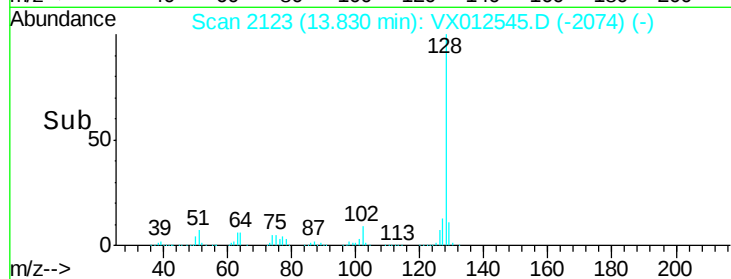
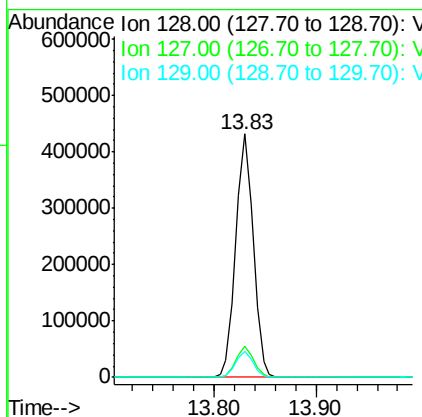
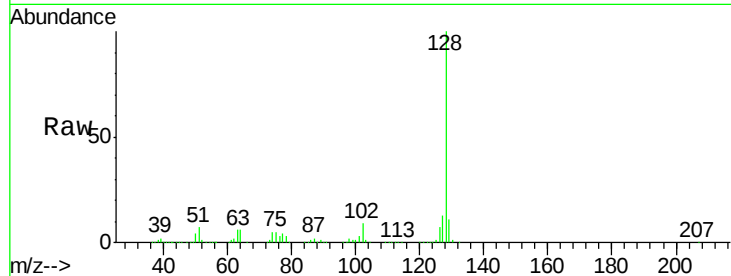
#95
Naphthalene
Concen: 54.079 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	509094		
127	12.7		10.2	15.4
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.353 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012545.D
Acq: 20 Sep 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143841		
182	96.5		47.1	141.3
145	35.8		18.0	54.0

