

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012462.D
 Acq On : 18 Sep 2019 10:30
 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
 9/19/2019 1:04:16 PM

Quant Time: Sep 18 14:06:55 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	5.65	168	206576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	335531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	156627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	138616	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.48	113	101259	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	378115	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	158389	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66556	48.304	ug/l	97
3) Chloromethane	1.32	50	52844	46.530	ug/l	98
4) Vinyl Chloride	1.40	62	57644	46.961	ug/l	96
5) Bromomethane	1.63	94	21982	45.582	ug/l	97
6) Chloroethane	1.71	64	40385	42.044	ug/l	95
7) Trichlorofluoromethane	1.92	101	114042	50.682	ug/l	100
8) Diethyl Ether	2.18	74	46809	46.056	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81161	49.851	ug/l	99
10) Methyl Iodide	2.50	142	52051	38.388	ug/l	98
11) Tert butyl alcohol	3.03	59	150853	199.743	ug/l	100
12) 1,1-Dichloroethene	2.36	96	63533	48.918	ug/l	98
13) Acrolein	2.28	56	46463	178.240	ug/l	98
14) Allyl chloride	2.72	41	142906	47.262	ug/l	100
15) Acrylonitrile	3.13	53	284700	221.908	ug/l	99
16) Acetone	2.43	43	348992	258.242	ug/l	98
17) Carbon Disulfide	2.56	76	80426	44.012	ug/l	100
18) Methyl Acetate	2.76	43	134081	43.461	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	327537	46.254	ug/l	99
20) Methylene Chloride	2.84	84	82427	46.003	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	65696	48.712	ug/l	96
22) Diisopropyl ether	3.84	45	328255	46.365	ug/l	94
23) Vinyl Acetate	3.80	43	1380474	237.039	ug/l	100
24) 1,1-Dichloroethane	3.69	63	161185	47.584	ug/l	98
25) 2-Butanone	4.65	43	454936	221.521	ug/l	98
26) 2,2-Dichloropropane	4.57	77	155360	46.635	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	96342	47.820	ug/l	98
28) Bromochloromethane	5.00	49	84613	48.452	ug/l	98
29) Tetrahydrofuran	5.11	42	254014	223.892	ug/l	99
30) Chloroform	5.19	83	178871	45.979	ug/l	97
31) Cyclohexane	5.56	56	101532	49.653	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	155629	47.864	ug/l	99
36) 1,1-Dichloropropene	5.78	75	100451	49.260	ug/l	98
37) Ethyl Acetate	4.81	43	151771	48.487	ug/l	99
38) Carbon Tetrachloride	5.77	117	127441	50.249	ug/l	100

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Manual Integrations
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 9/19/2019 1:04:16 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	104863	52.898	ug/l	98
40) Benzene	6.13	78	321163	49.527	ug/l	98
41) Methacrylonitrile	5.02	41	91812	45.553	ug/l	98
42) 1,2-Dichloroethane	6.18	62	145359	48.330	ug/l	100
43) Isopropyl Acetate	6.43	43	262122	46.657	ug/l	100
44) Trichloroethene	7.20	130	89881	52.692	ug/l	99
45) 1,2-Dichloropropane	7.50	63	95785	48.079	ug/l	96
46) Dibromomethane	7.65	93	63279	49.083	ug/l	100
47) Bromodichloromethane	7.89	83	144146	50.215	ug/l	100
48) Methyl methacrylate	7.76	41	124826	47.134	ug/l	99
49) 1,4-Dioxane	7.73	88	57901	898.316	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	845726	229.549	ug/l	100
52) Toluene	8.78	92	210018	50.262	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	151614	50.810	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	158145	51.193	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	105061	48.804	ug/l	96
56) Ethyl methacrylate	9.17	69	164665	48.924	ug/l	97
57) 1,3-Dichloropropane	9.37	76	169578	49.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	450756	258.721	ug/l	100
59) 2-Hexanone	9.48	43	660020	229.624	ug/l	98
60) Dibromochloromethane	9.57	129	114123	52.045	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100276	51.003	ug/l	98
64) Tetrachloroethene	9.33	164	77793	55.899	ug/l	92
65) Chlorobenzene	10.14	112	250941	50.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	105900	50.905	ug/l	99
67) Ethyl Benzene	10.25	91	434840	50.493	ug/l	99
68) m/p-Xylenes	10.36	106	328570	104.860	ug/l	98
69) o-Xylene	10.69	106	166084	51.540	ug/l	99
70) Styrene	10.71	104	297539	52.186	ug/l	98
71) Bromoform	10.85	173	80551	45.259	ug/l #	99
73) Isopropylbenzene	11.01	105	466000	47.418	ug/l	98
74) N-amyl acetate	10.89	43	235288	44.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	167825	43.534	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	167160m	46.461	ug/l	
77) Bromobenzene	11.25	156	113464	47.341	ug/l	99
78) n-propylbenzene	11.35	91	538308	49.147	ug/l	99
79) 2-Chlorotoluene	11.42	91	333214	46.763	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	404806	48.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54088	41.813	ug/l	97
82) 4-Chlorotoluene	11.51	91	393301	48.092	ug/l	100
83) tert-Butylbenzene	11.76	119	419525	46.713	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	413730	48.077	ug/l	99
85) sec-Butylbenzene	11.94	105	485089	49.018	ug/l	99
86) p-Isopropyltoluene	12.06	119	449319	49.445	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	221361	49.099	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	224193	48.410	ug/l	99
89) n-Butylbenzene	12.39	91	405971	50.070	ug/l	99
90) Hexachloroethane	12.59	117	79582	47.762	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	221578	47.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44457	44.482	ug/l	98

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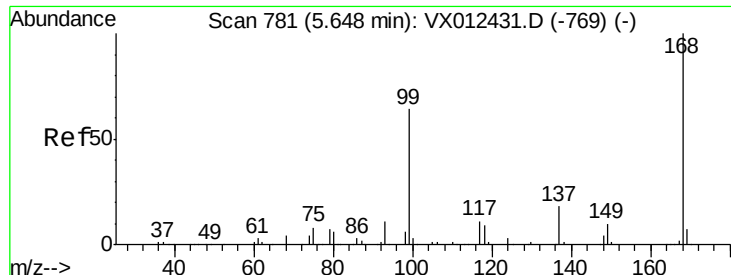
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	157991	52.053	ug/l	99
94) Hexachlorobutadiene	13.78	225	67690	47.318	ug/l	98
95) Naphthalene	13.83	128	537310	49.752	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	159246	51.487	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 206576

Ion Ratio Lower Upper

168 100

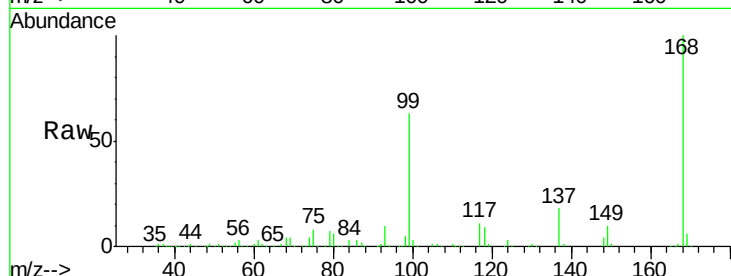
99 62.9 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

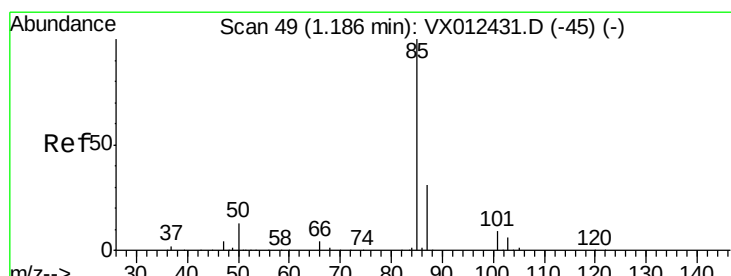
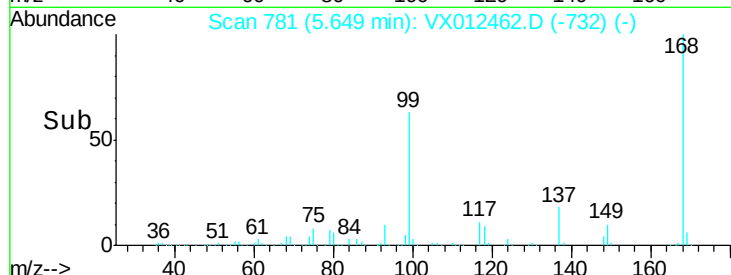
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.304 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012462.D

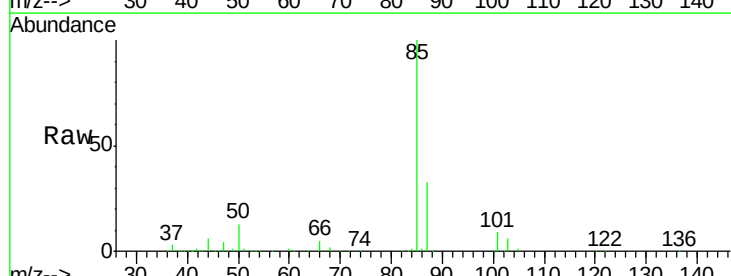
Acq: 18 Sep 2019 10:30

Tgt Ion: 85 Resp: 66556

Ion Ratio Lower Upper

85 100

87 32.8 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

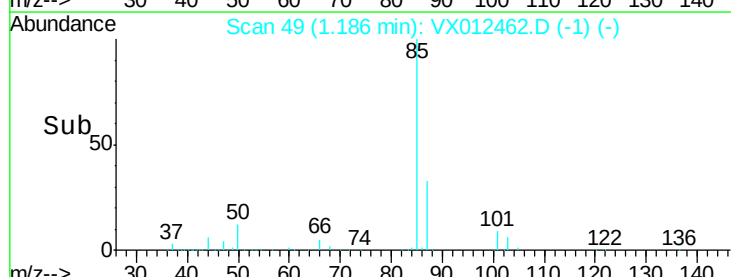
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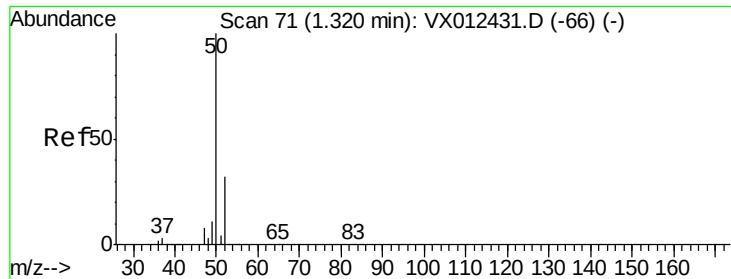
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.530 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 52844

Ion Ratio Lower Upper

50 100

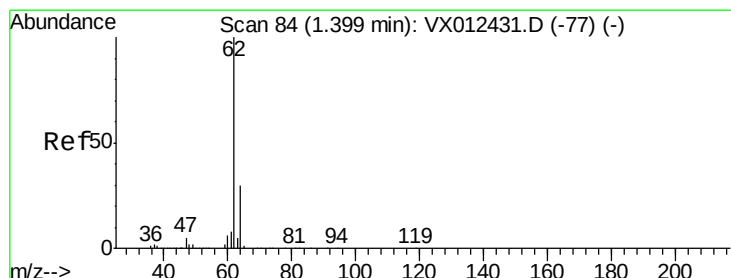
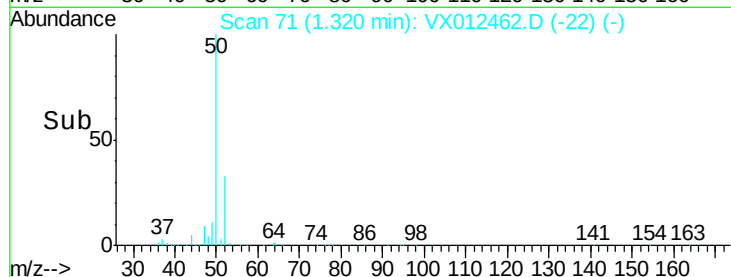
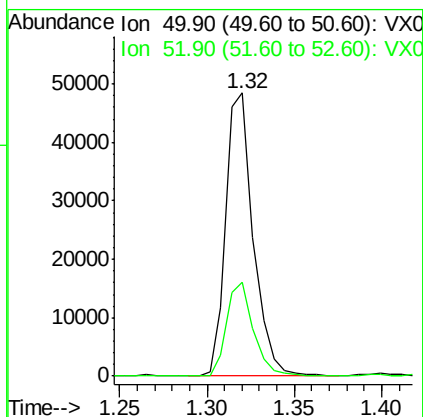
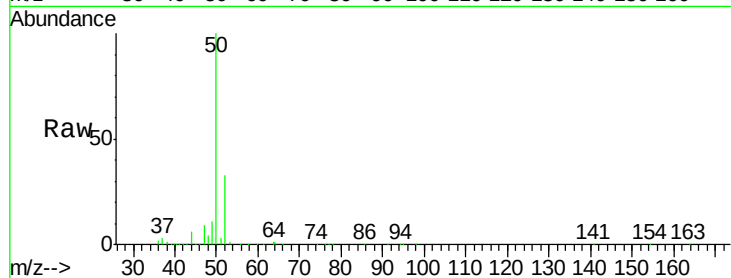
52 33.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.961 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012462.D

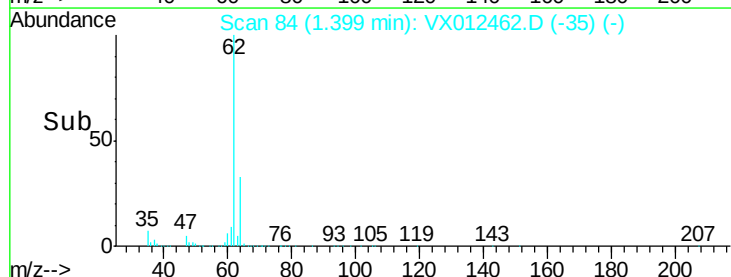
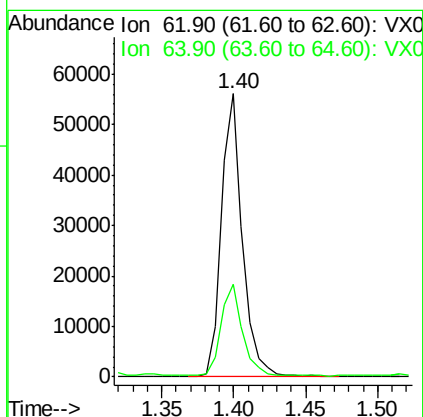
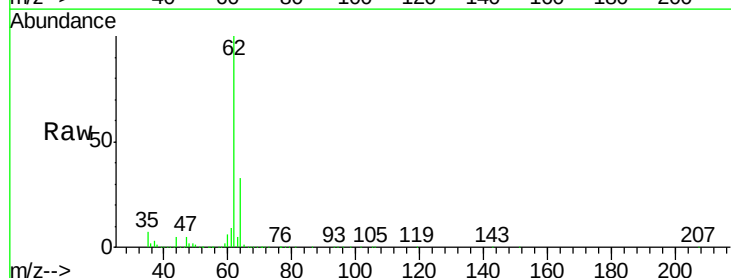
Acq: 18 Sep 2019 10:30

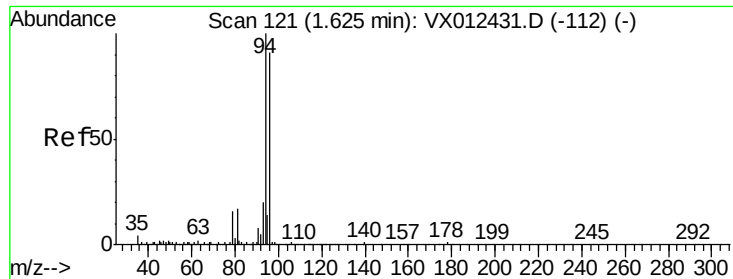
Tgt Ion: 62 Resp: 57644

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.2





#5

Bromomethane

Concen: 45.582 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 21982

Ion Ratio Lower Upper

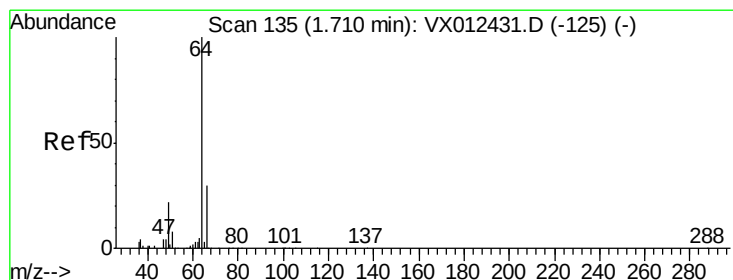
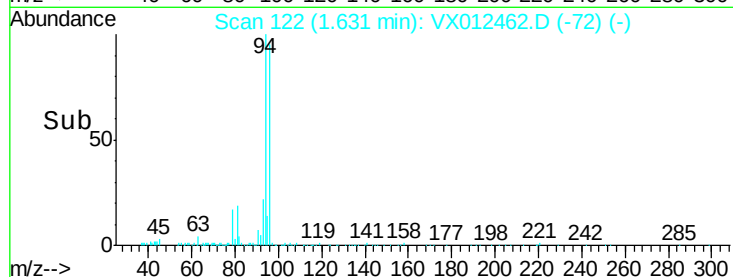
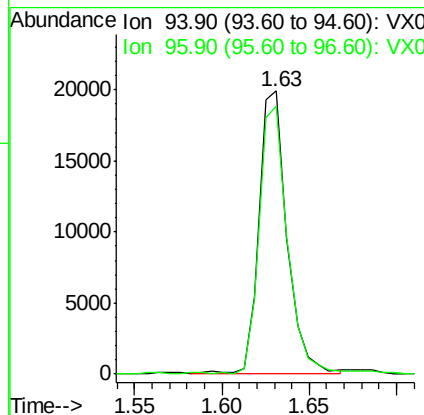
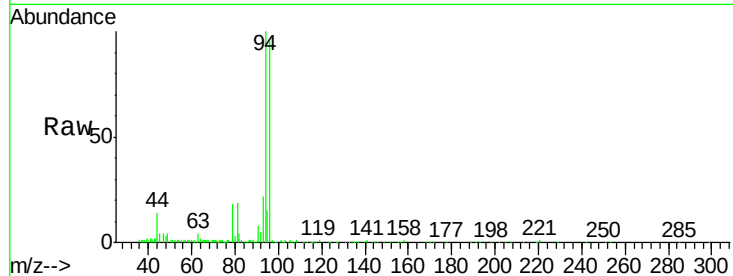
94 100

96 94.3 72.8 109.2

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#6

Chloroethane

Concen: 42.044 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012462.D

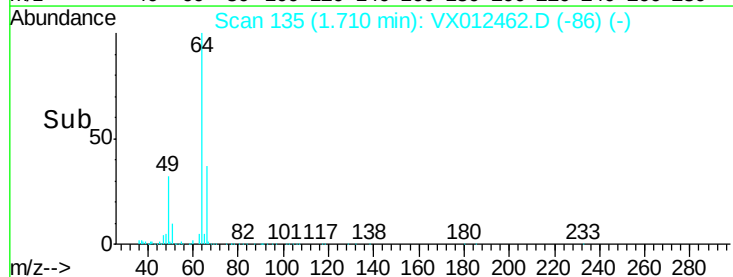
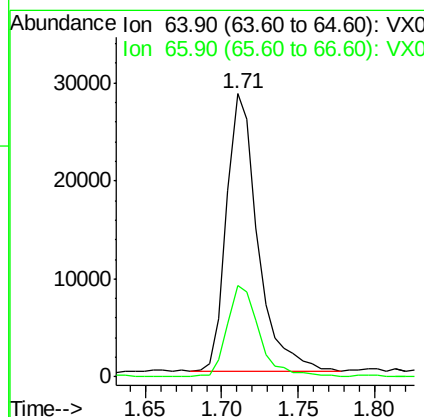
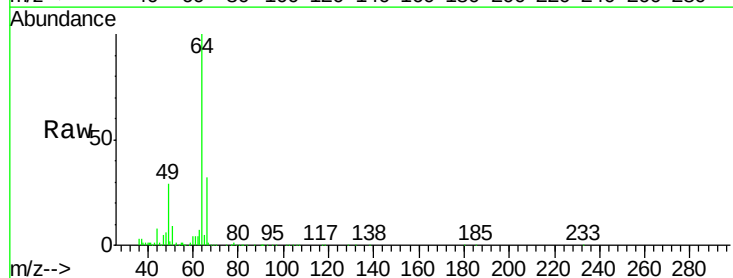
Acq: 18 Sep 2019 10:30

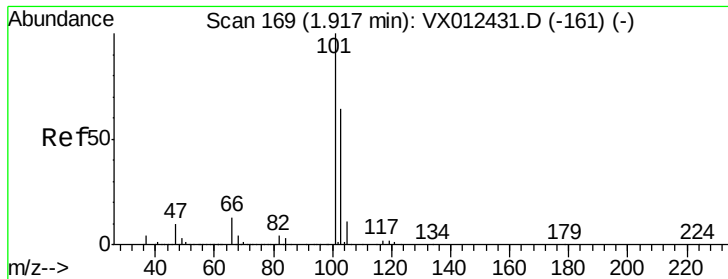
Tgt Ion: 64 Resp: 40385

Ion Ratio Lower Upper

64 100

66 32.7 24.0 36.0





#7

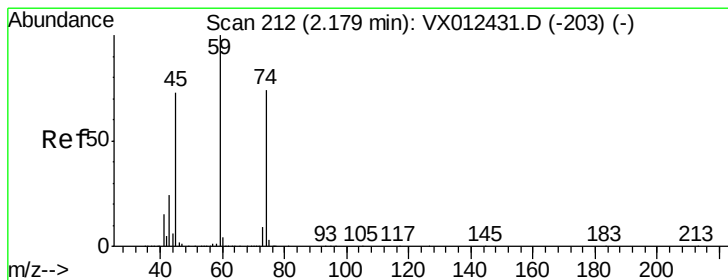
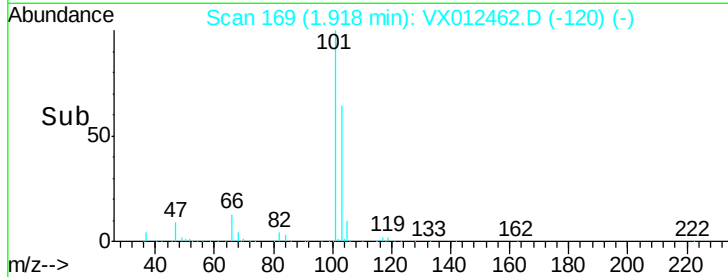
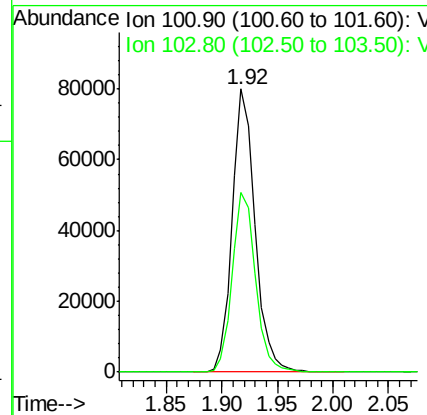
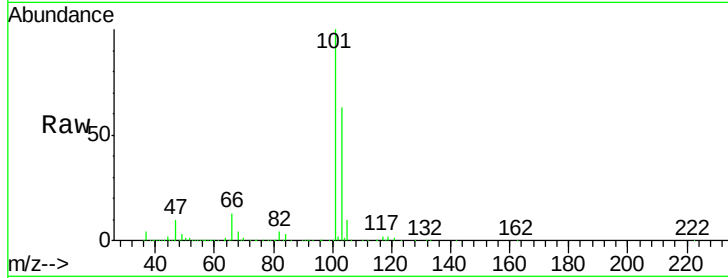
Trichlorofluoromethane
Concen: 50.682 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.0	76.4

Manual Integrations
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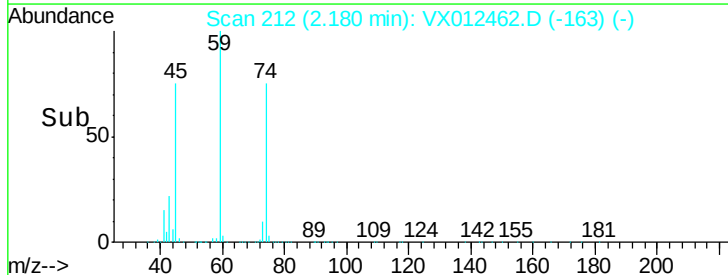
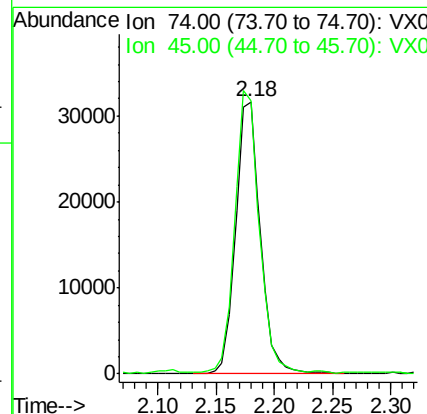
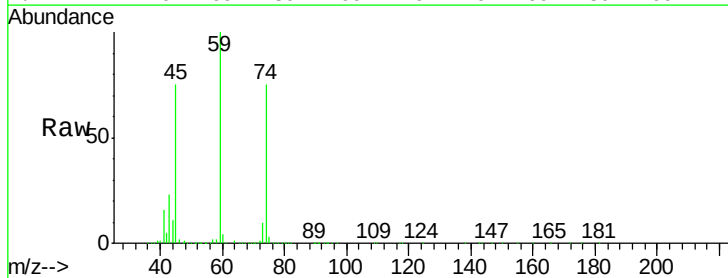
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9/19/2019 1:04:16 PM

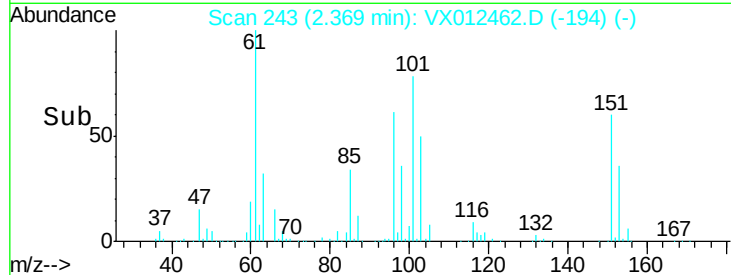
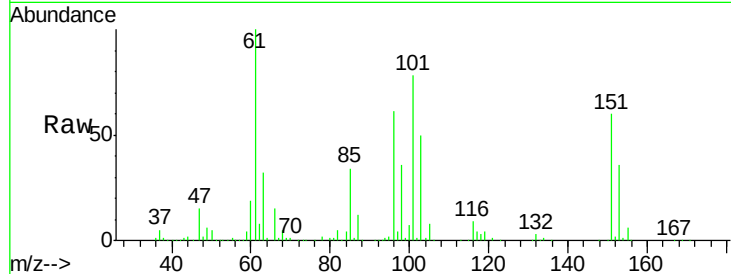
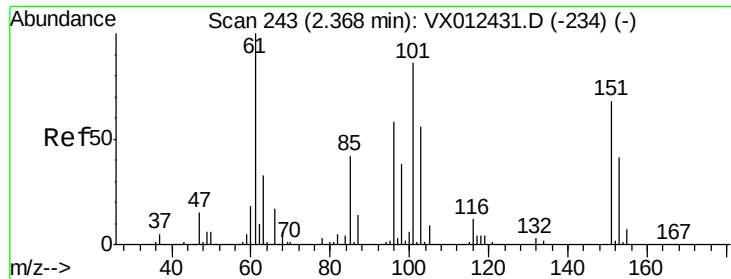


#8

Diethyl Ether
Concen: 46.056 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	49.9	149.7





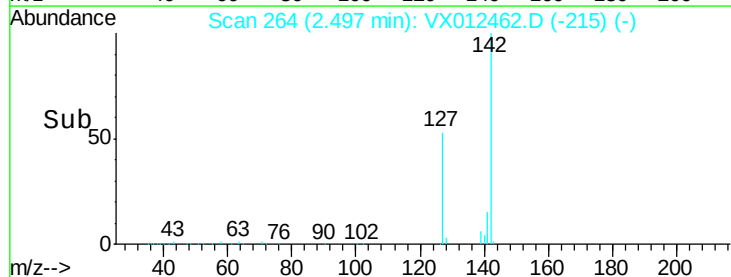
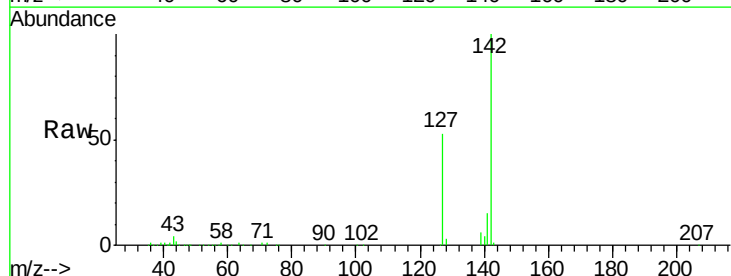
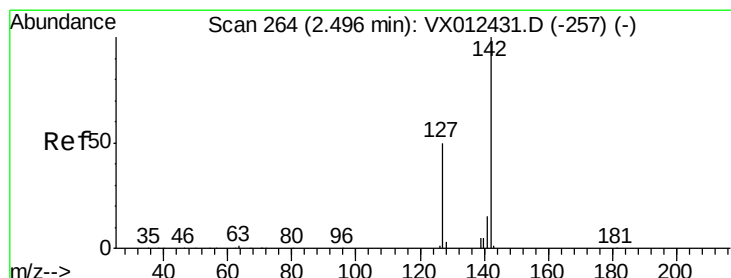
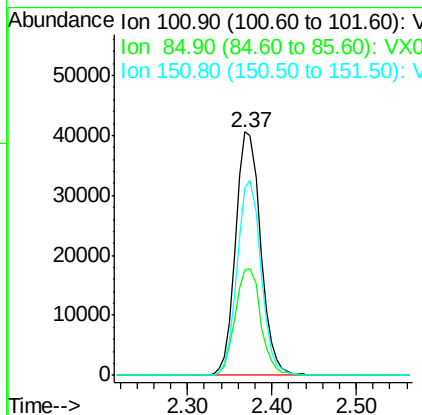
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.851 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	81161		
85	44.7	37.3	55.9	
151	76.6	61.0	91.4	

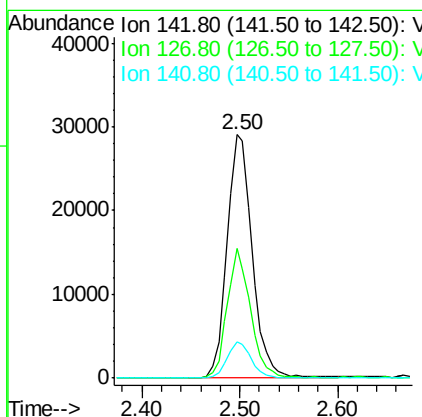
Manual Integrations
APPROVED

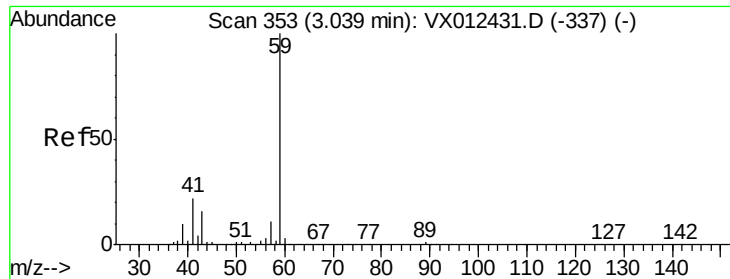
MMDadoda
9/19/2019 1:04:16 PM



#10
Methyl Iodide
Concen: 38.388 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52051		
127	49.5	40.8	61.2	
141	14.2	12.1	18.1	





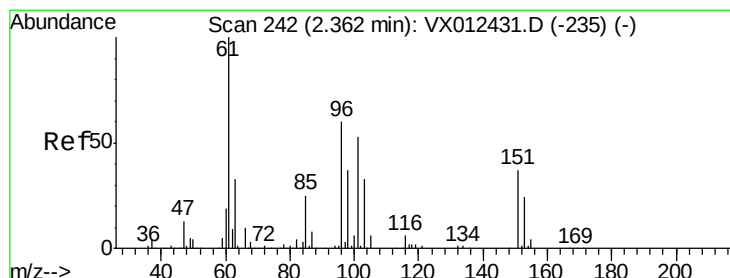
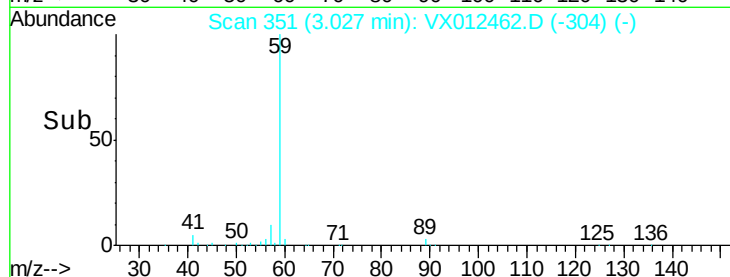
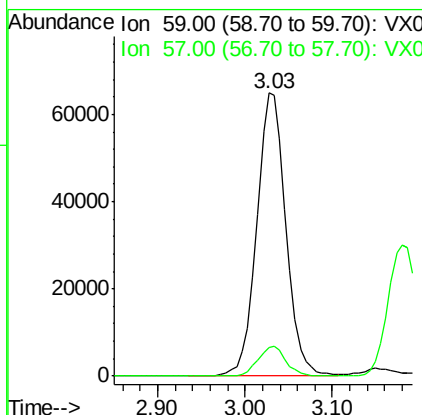
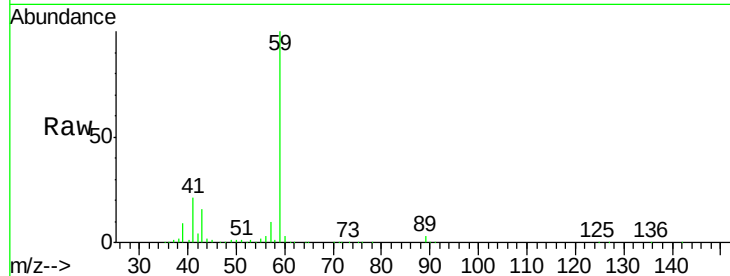
#11
Tert butyl alcohol
Concen: 199.743 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

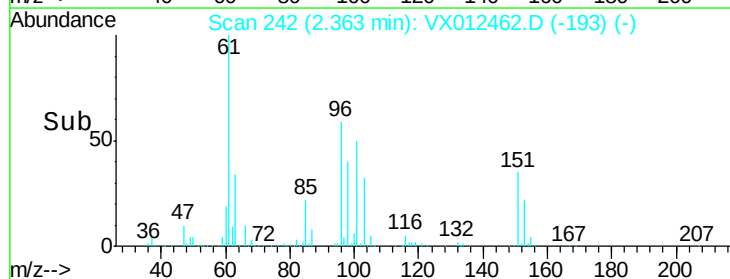
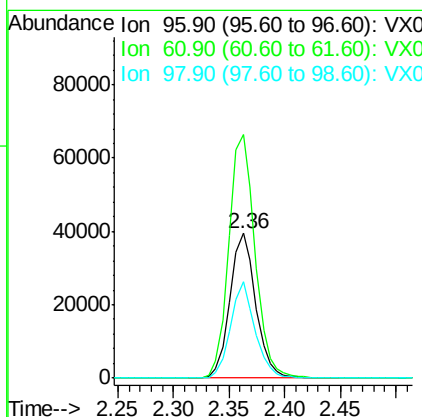
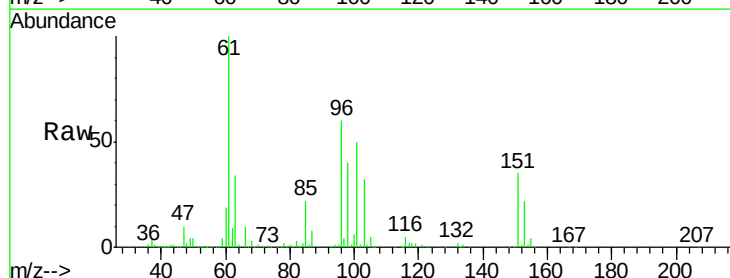
Manual Integrations
APPROVED

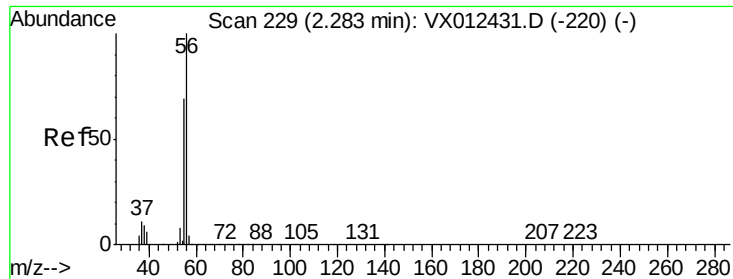
MMDadoda
9/19/2019 1:04:16 PM



#12
1,1-Dichloroethene
Concen: 48.918 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	133.8	200.6
98	66.6	49.9	74.9





#13

Acrolein

Concen: 178.240 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tot Ion: 56 Resp: 46463

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8

Instrument :

MSVOA_X

ClientSampleId :

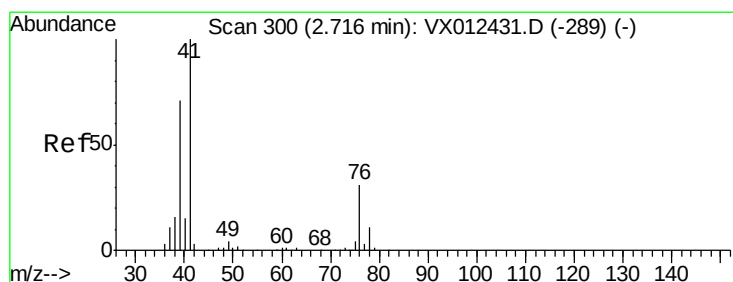
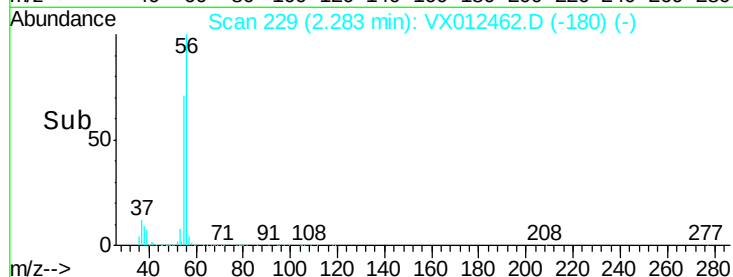
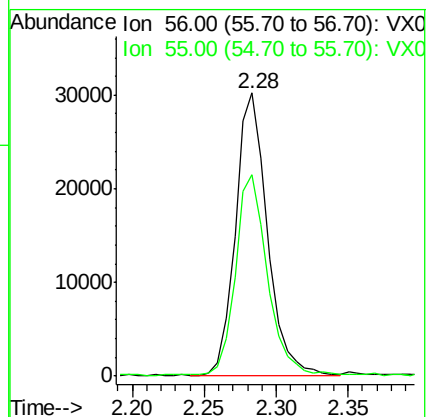
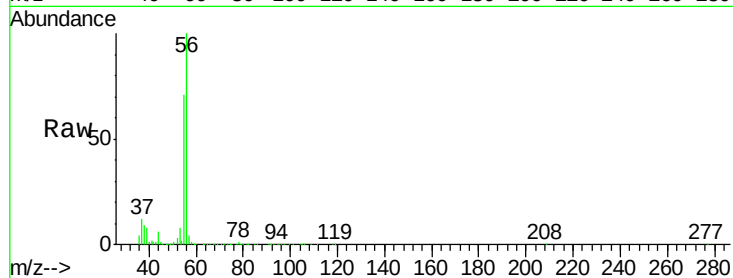
VSTDCCC050

Manual Integrations

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9/19/2019 1:04:16 PM



#14

Allyl chloride

Concen: 47.262 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

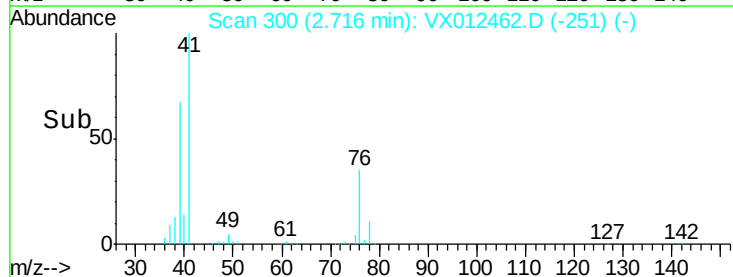
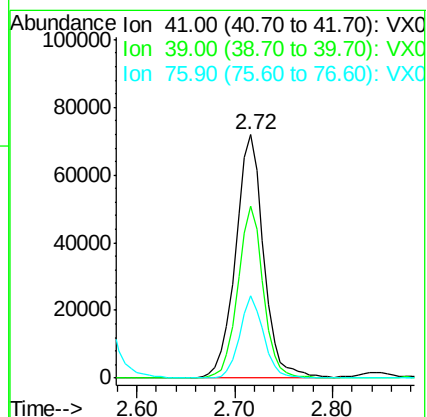
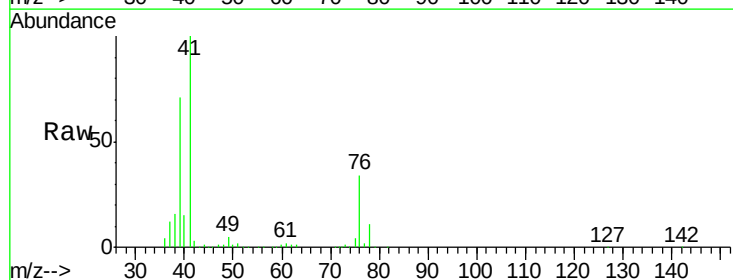
Tgt Ion: 41 Resp: 142906

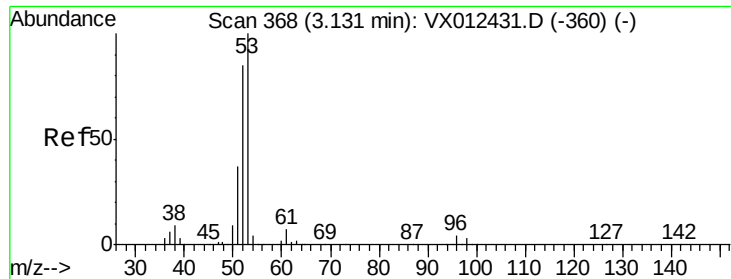
Ion Ratio Lower Upper

41 100

39 63.8 51.3 76.9

76 28.5 22.6 33.8





#15

Acrylonitrile

Concen: 221.908 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

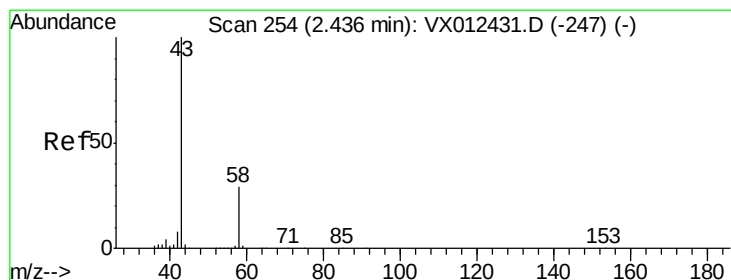
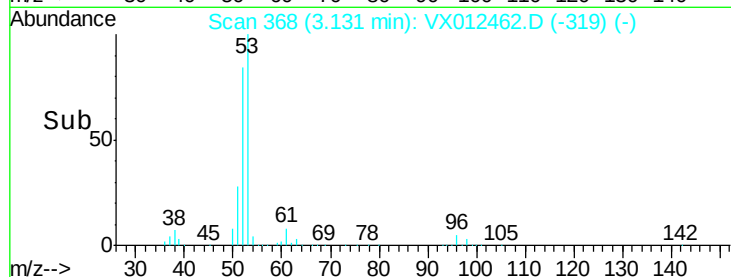
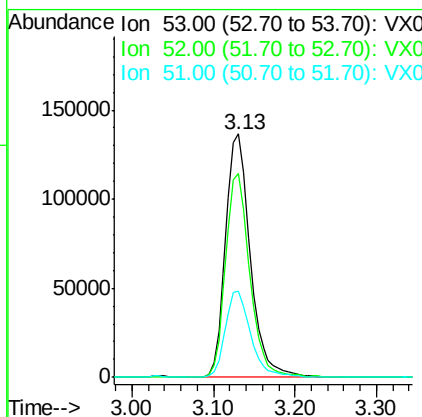
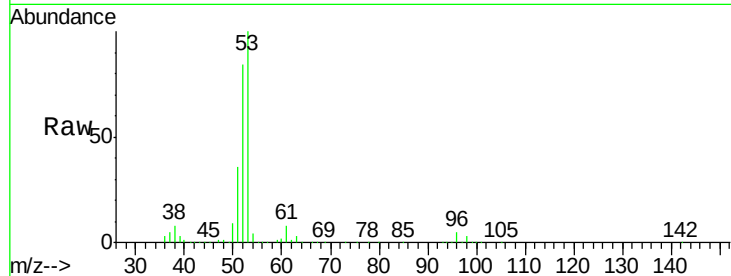
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	284700
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.0	100.4
51	36.5	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 258.242 ug/l

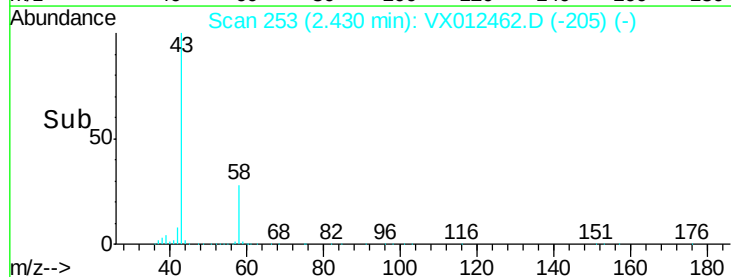
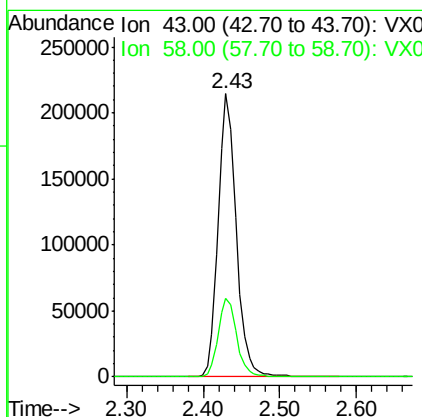
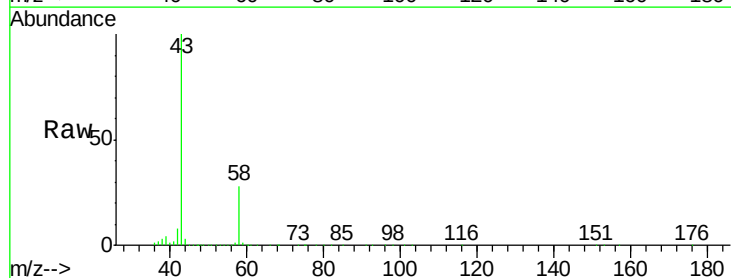
RT: 2.43 min Scan# 253

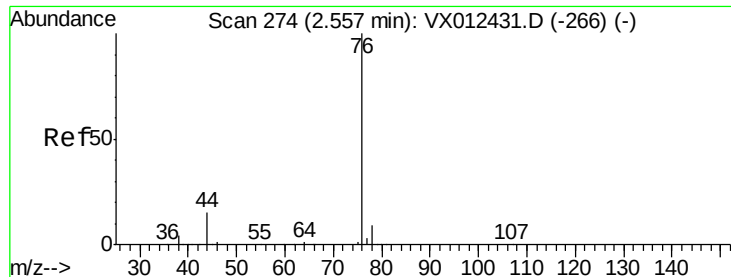
Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	43	Resp:	348992
Ion Ratio	Lower	Upper	
43	100		
58	27.8	23.3	34.9





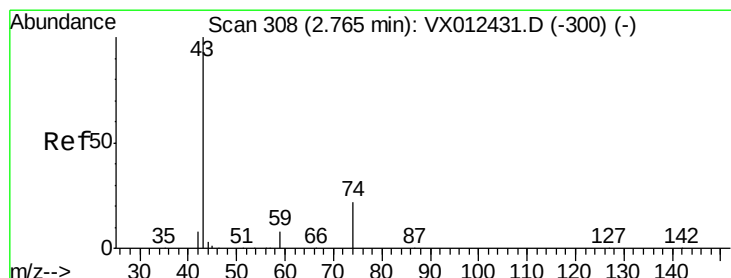
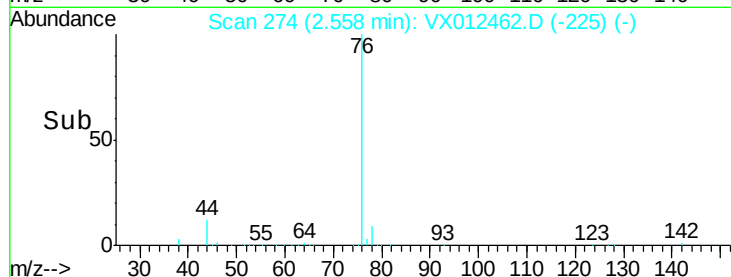
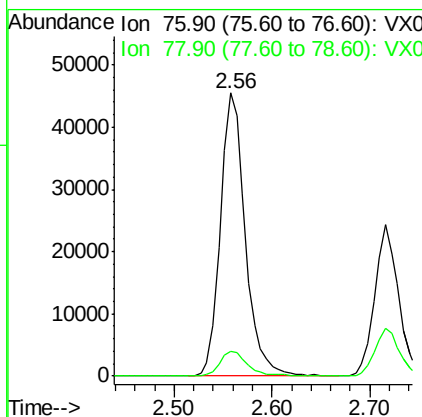
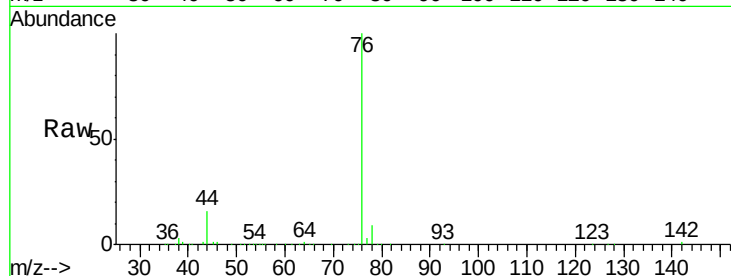
#17
Carbon Disulfide
Concen: 44.012 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 80426
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

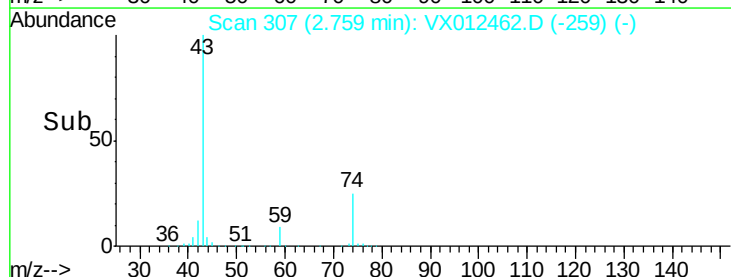
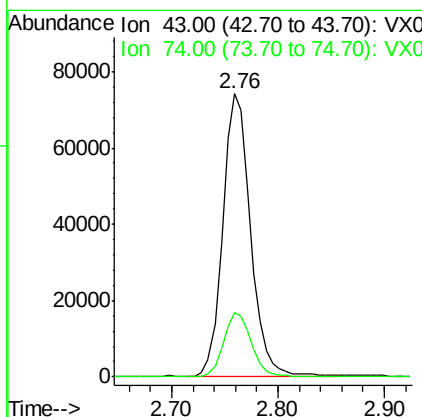
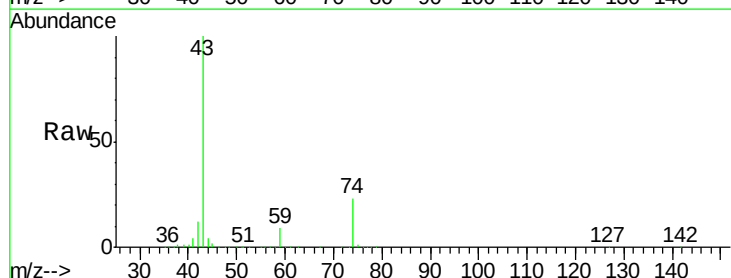
Manual Integrations
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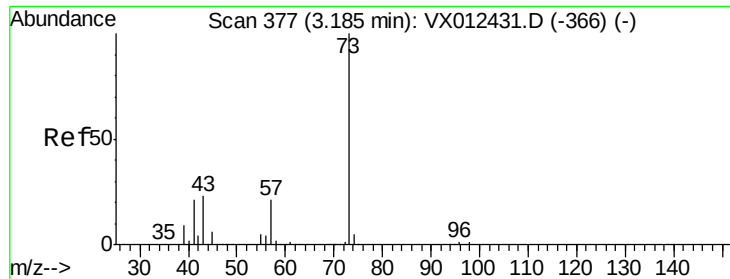
MMDadoda
9/19/2019 1:04:16 PM



#18
Methyl Acetate
Concen: 43.461 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 43 Resp: 134081
Ion Ratio Lower Upper
43 100
74 23.1 17.7 26.5





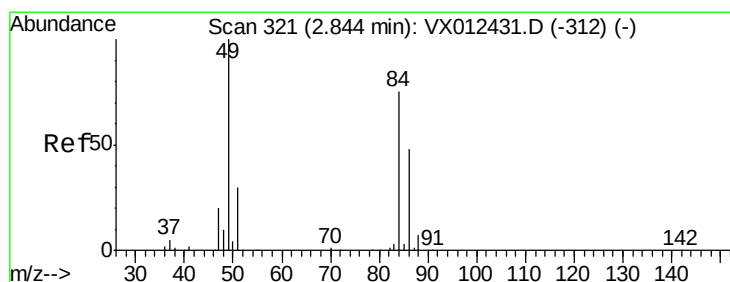
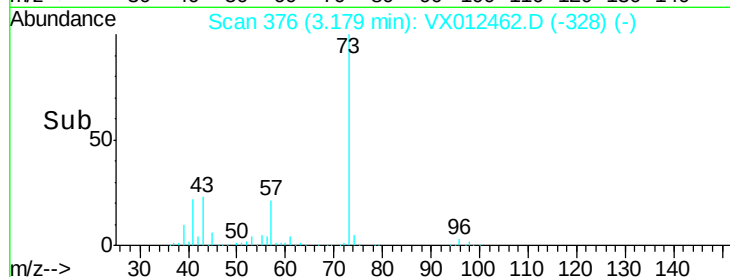
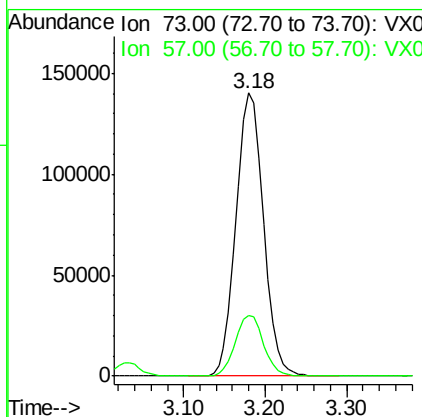
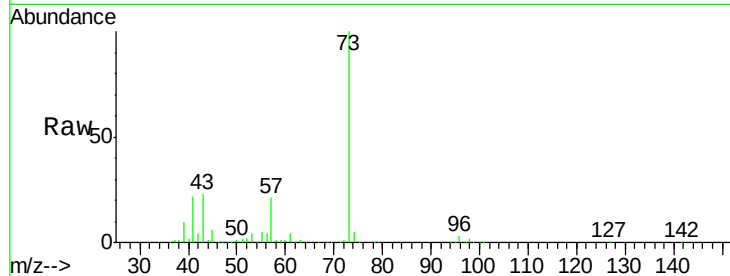
#19
Methyl tert-butyl Ether
Concen: 46.254 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 327537
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

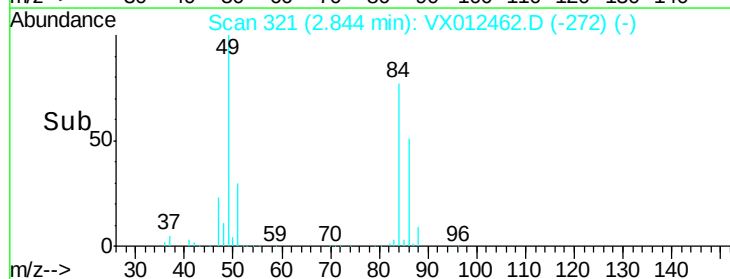
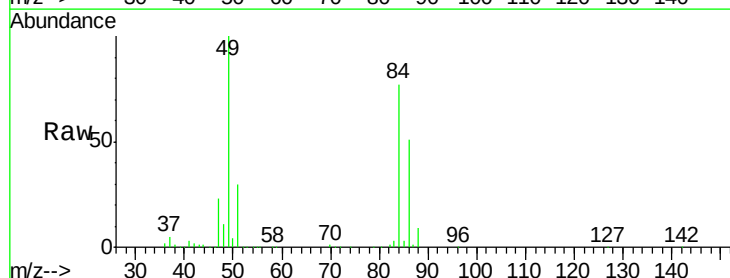
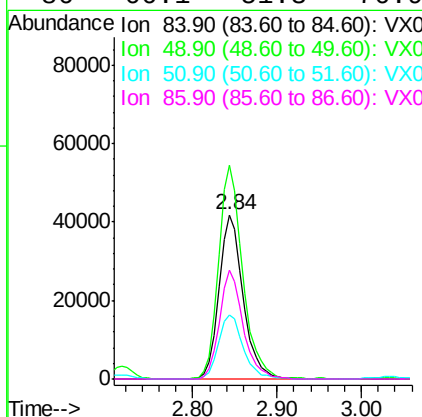
Manual Integrations
APPROVED

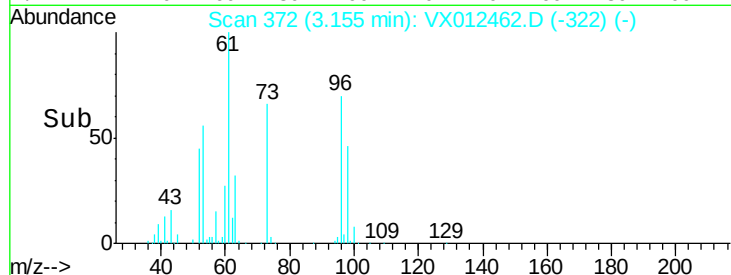
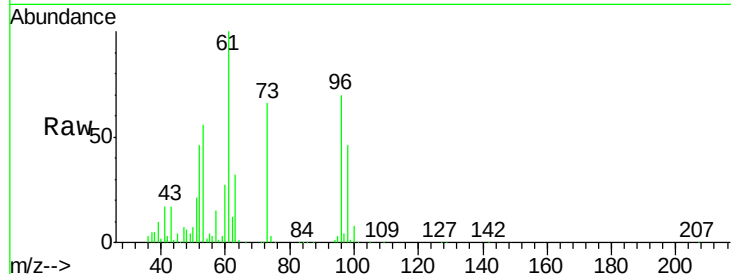
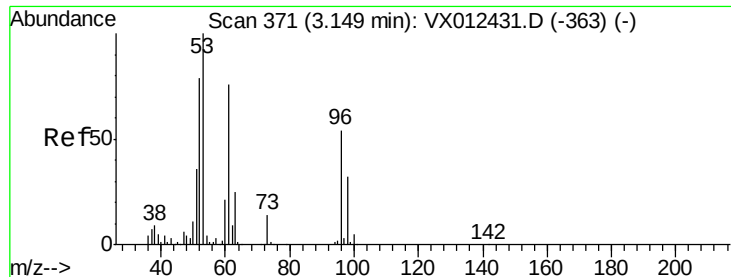
MMDadoda
9/19/2019 1:04:16 PM



#20
Methylene Chloride
Concen: 46.003 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 84 Resp: 82427
Ion Ratio Lower Upper
84 100
49 129.9 106.8 160.2
51 38.7 32.3 48.5
86 66.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.712 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012462.D

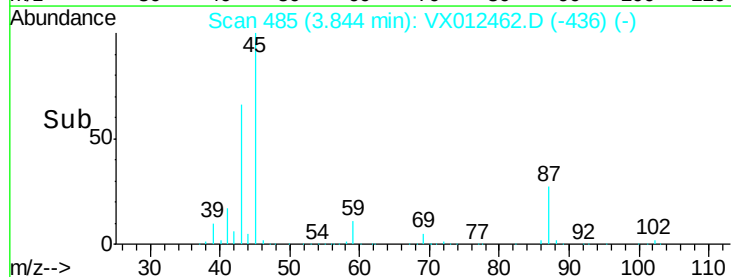
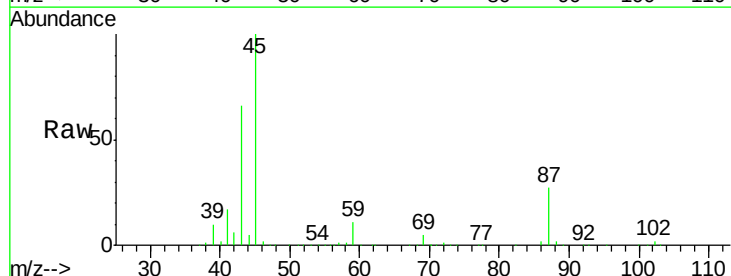
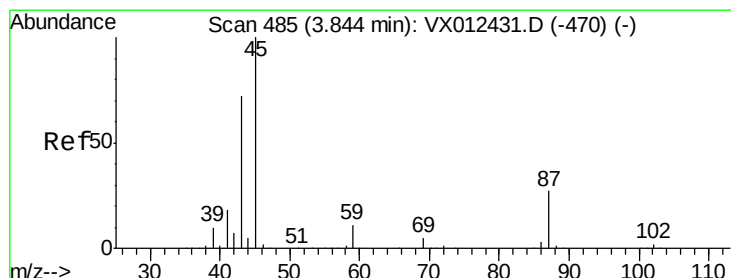
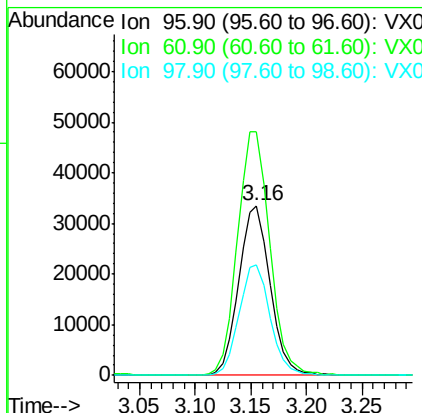
Acq: 18 Sep 2019 10:30

Tot Ion:	96	Resp:	65696
Ion	Ratio	Lower	Upper
96	100		
61	143.1	112.0	168.0
98	65.4	47.8	71.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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9/19/2019 1:04:16 PM



#22

Diisopropyl ether

Concen: 46.365 ug/l

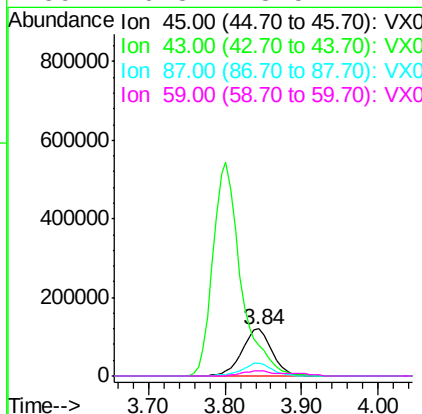
RT: 3.84 min Scan# 485

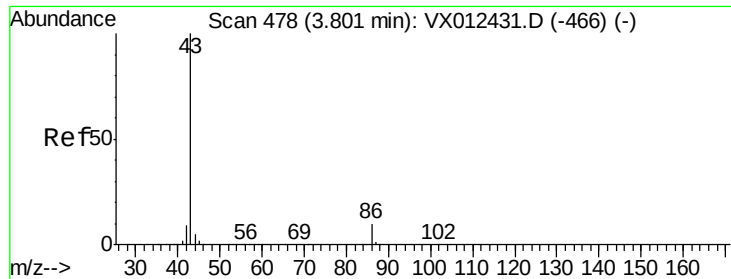
Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	45	Resp:	328255
Ion	Ratio	Lower	Upper
45	100		
43	65.4	57.8	86.8
87	27.0	21.3	31.9
59	10.8	8.5	12.7





#23

Vinyl Acetate

Concen: 237.039 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1380474

Ion Ratio Lower Upper

43 100

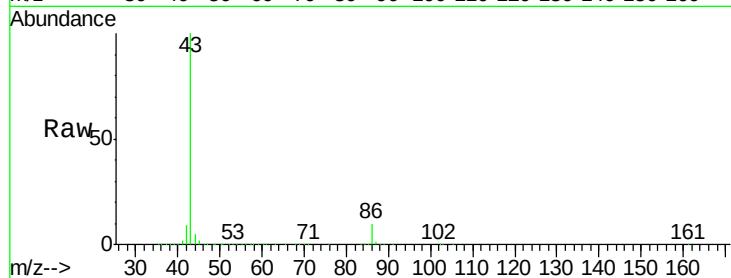
86 9.9 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

600000

500000

400000

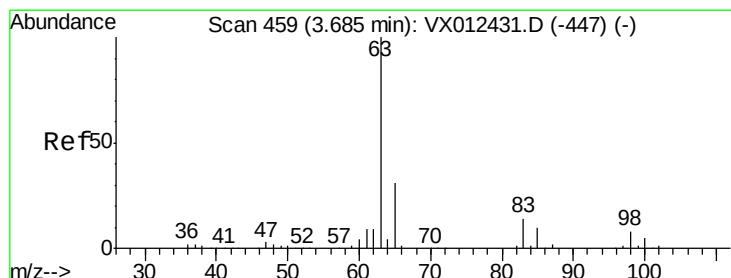
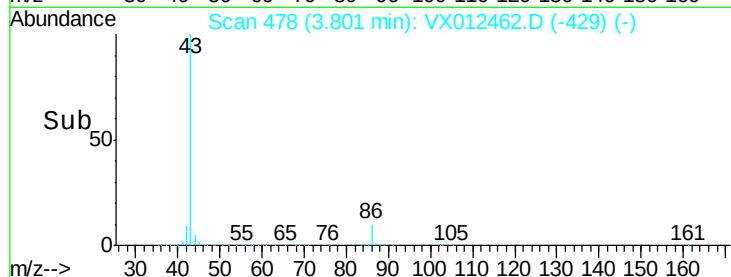
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.584 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

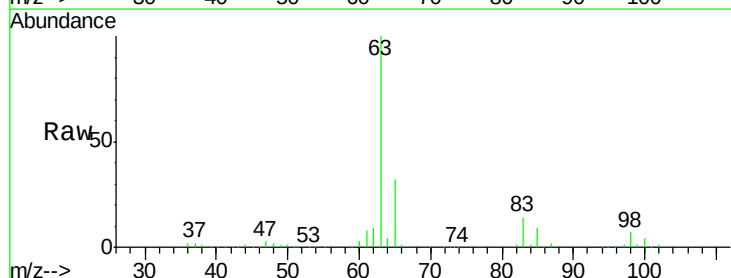
Tgt Ion: 63 Resp: 161185

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.7

100 4.5 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

80000

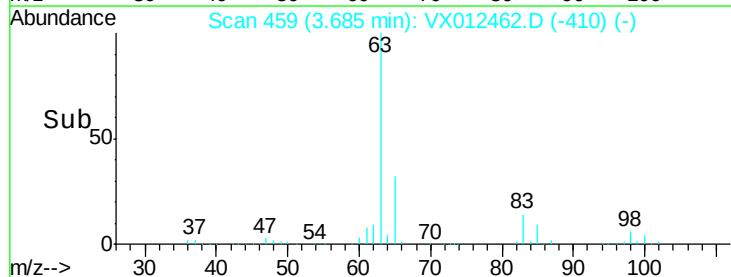
60000

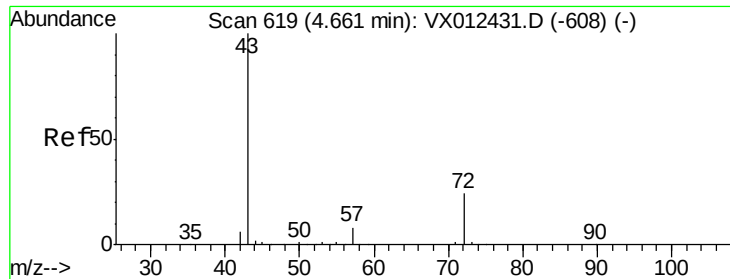
40000

20000

0

Time-->





#25

2-Butanone

Concen: 221.521 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 454936

Ion Ratio Lower Upper

43 100

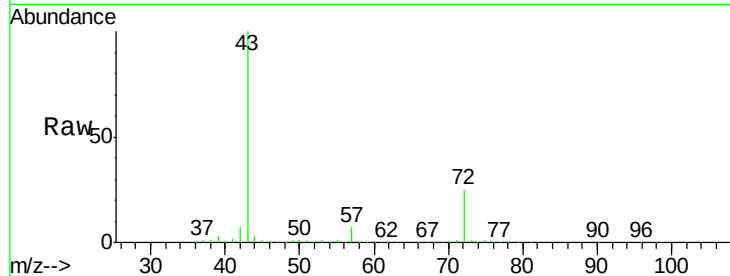
72 25.2 19.2 28.8

Manual Integrations

APPROVED

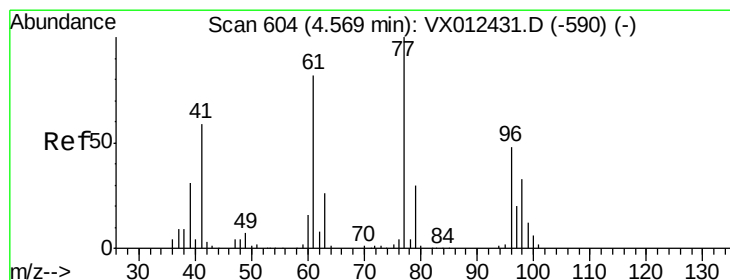
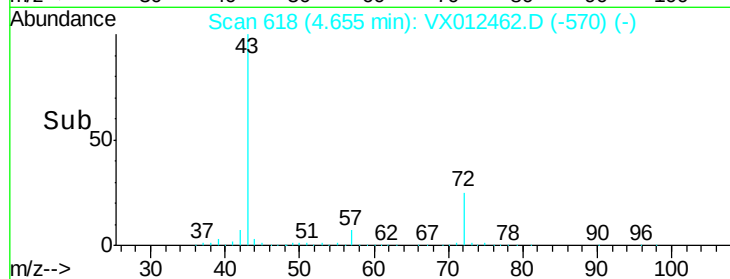
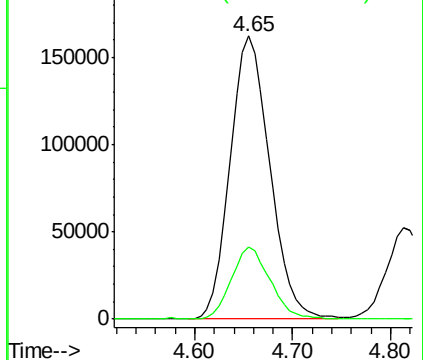
MMDadoda

9/19/2019 1:04:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.635 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012462.D

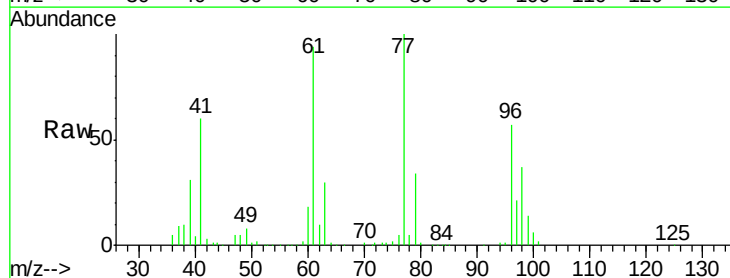
Acq: 18 Sep 2019 10:30

Tgt Ion: 77 Resp: 155360

Ion Ratio Lower Upper

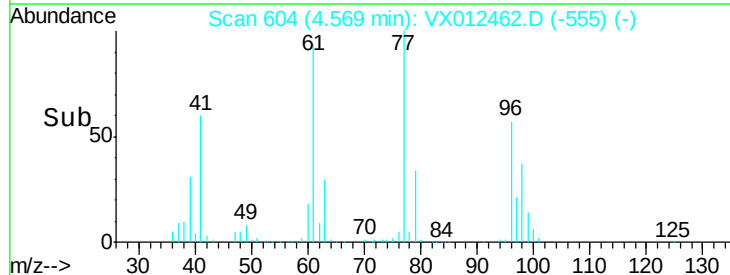
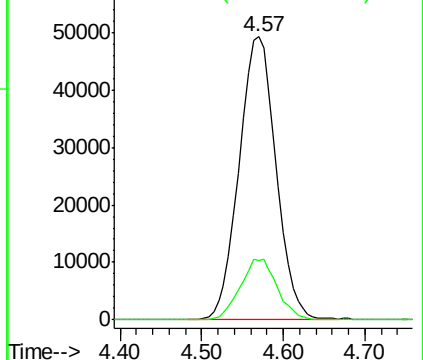
77 100

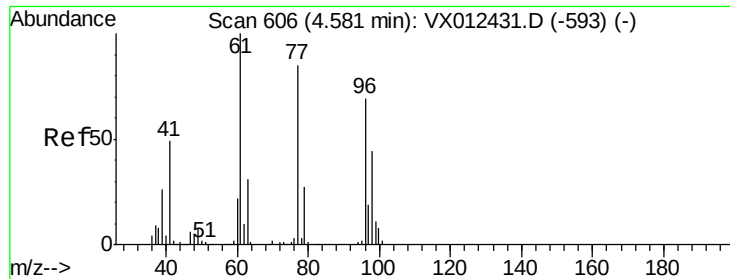
97 21.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

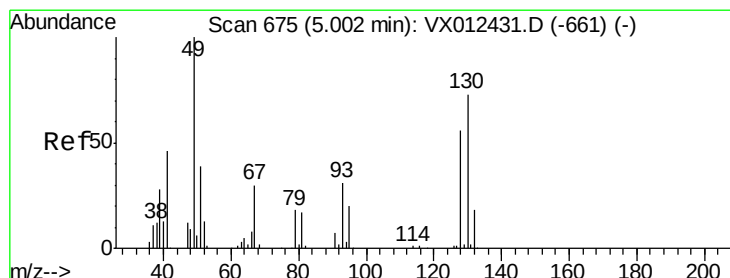
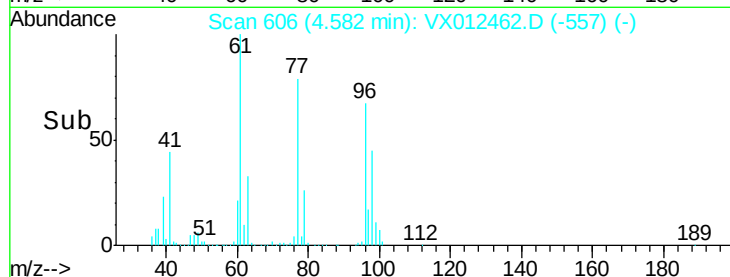
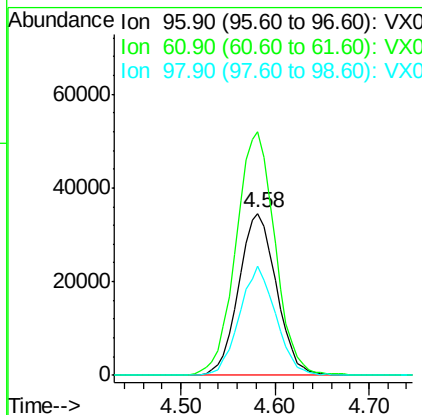
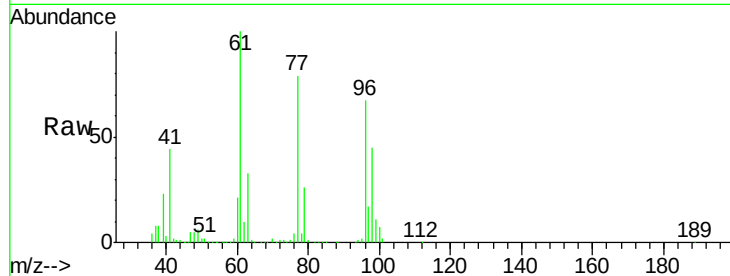
cis-1,2-Dichloroethene
Concen: 47.820 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	319.4
98	65.2	0.0	130.6

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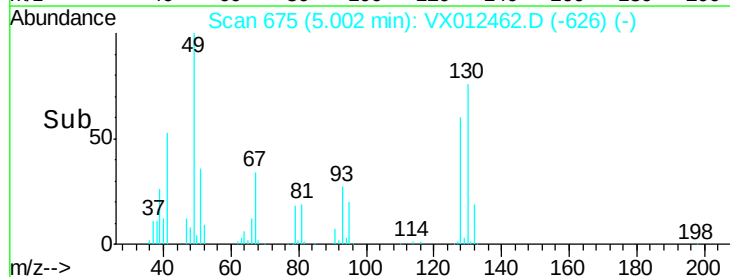
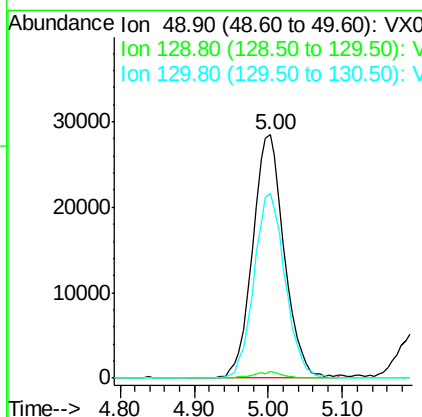
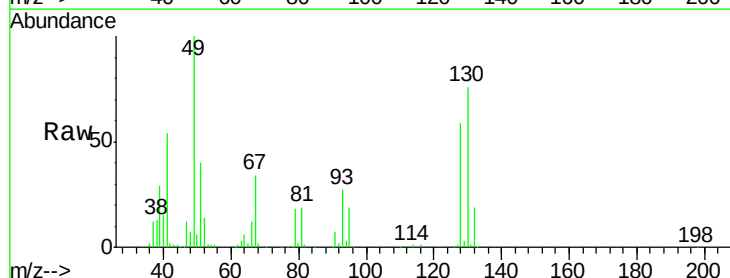
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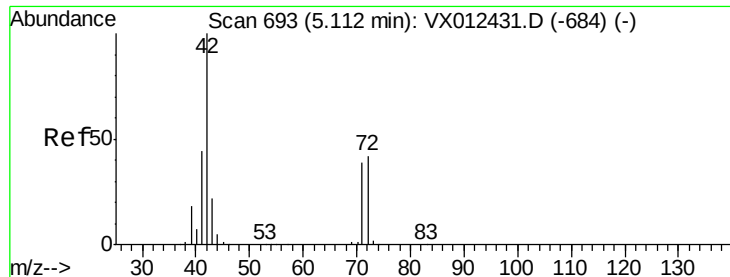


#28

Bromochloromethane
Concen: 48.452 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	74.8	58.2	87.4





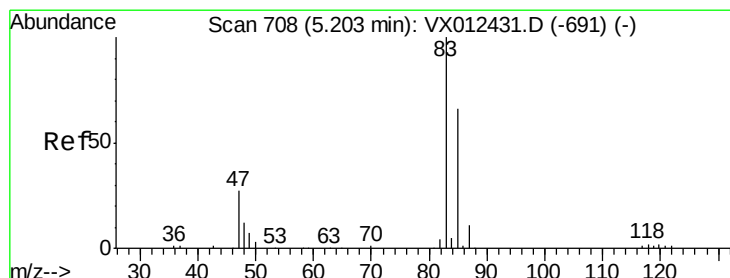
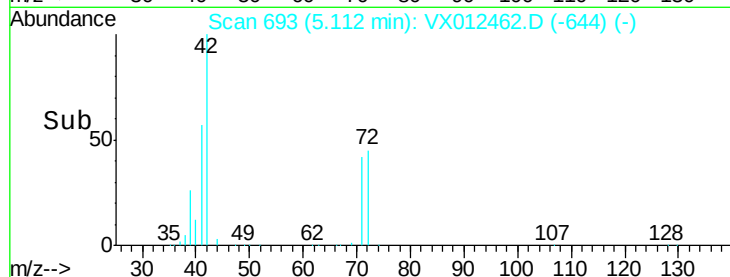
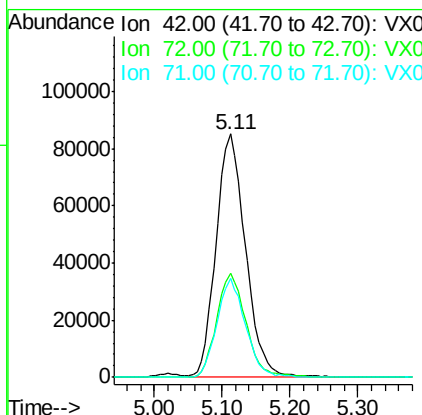
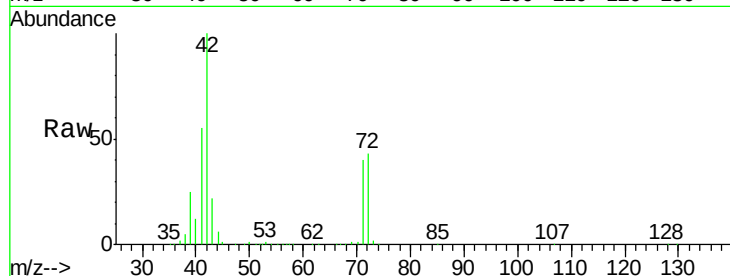
#29
Tetrahydrofuran
Concen: 223.892 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.0	51.0
71	39.6	31.5	47.3

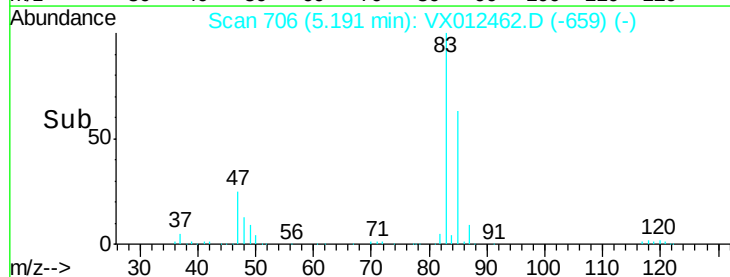
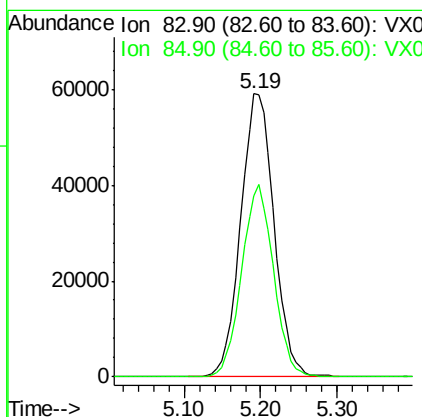
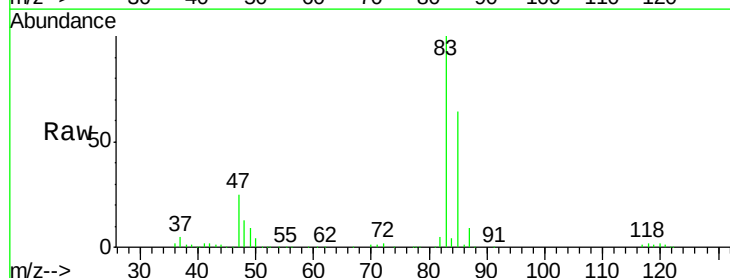
Manual Integrations
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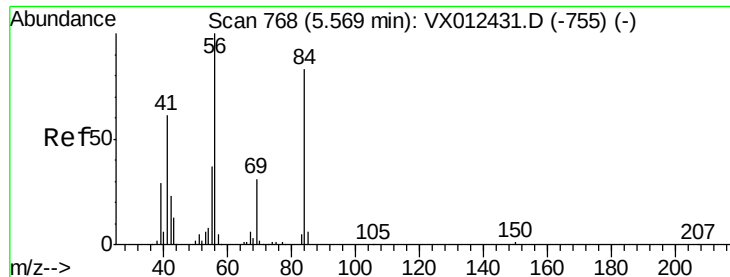
MMDadoda
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#30
Chloroform
Concen: 45.979 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.0	79.4





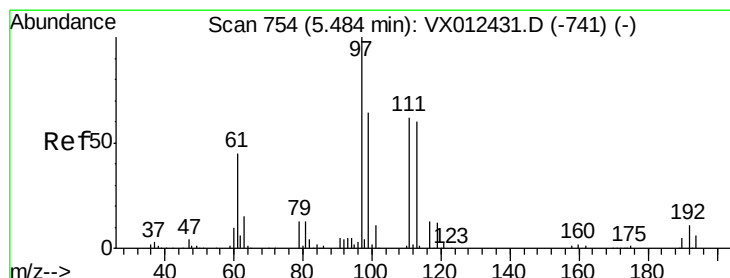
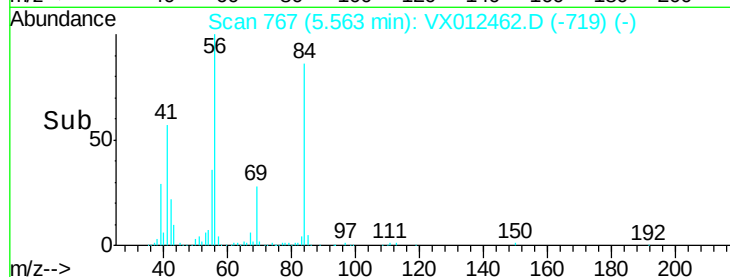
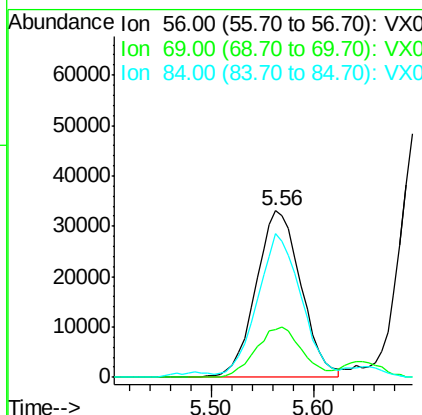
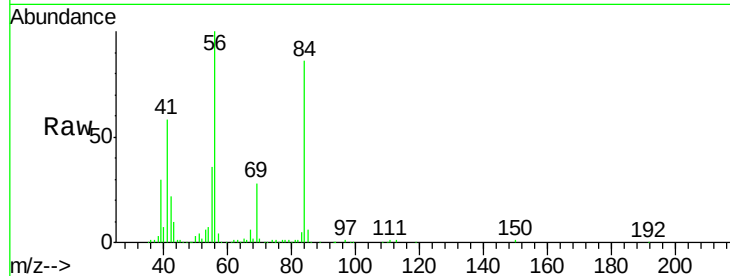
#31
Cyclohexane
Concen: 49.653 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	101532
Ion	Ratio	Lower	Upper
56	100		
69	28.3	25.0	37.6
84	83.9	66.4	99.6

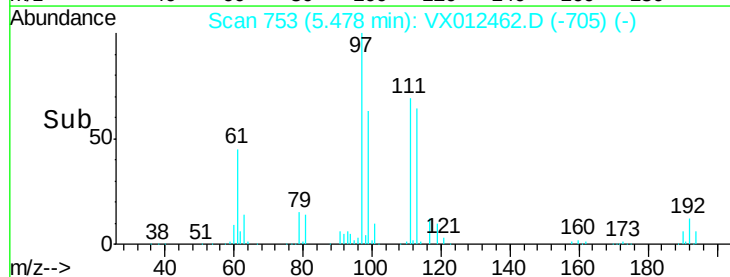
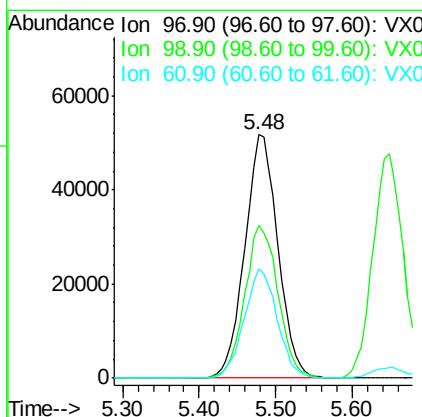
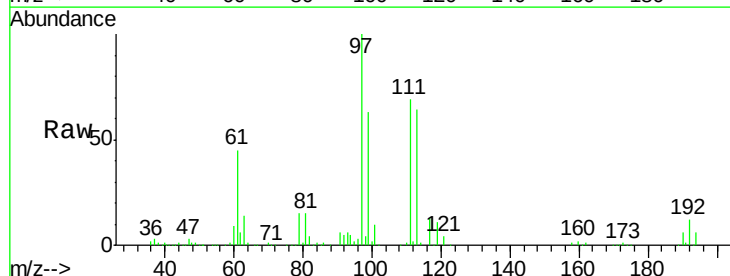
Manual Integrations
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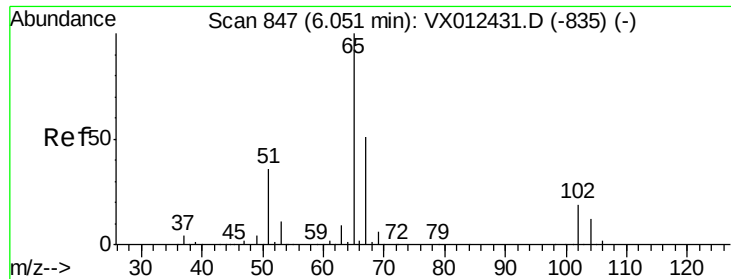
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#32
1,1,1-Trichloroethane
Concen: 47.864 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion:	97	Resp:	155629
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	44.8	36.1	54.1





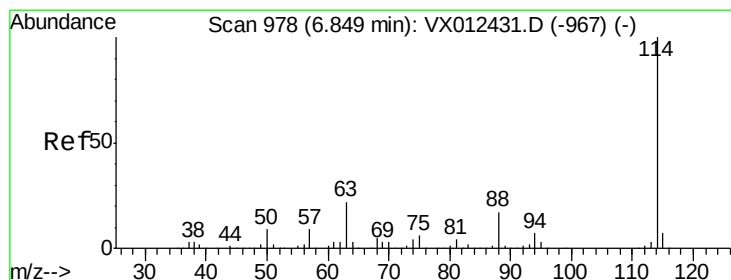
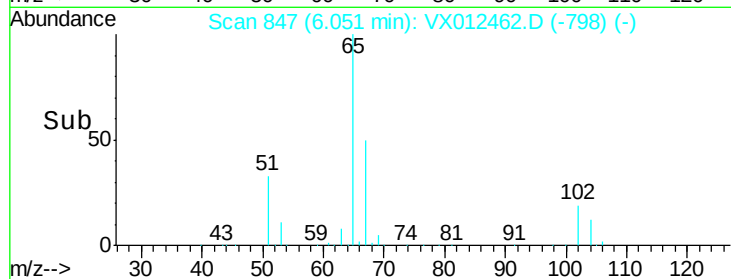
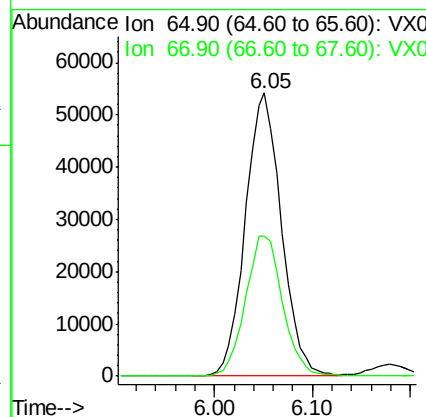
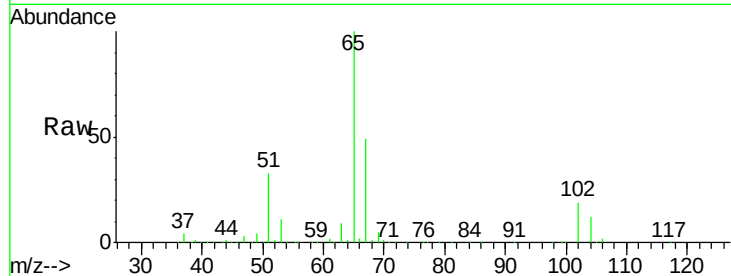
#33
 1,2-Dichloroethane-d4
 Concen: 46.819 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 138616
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2

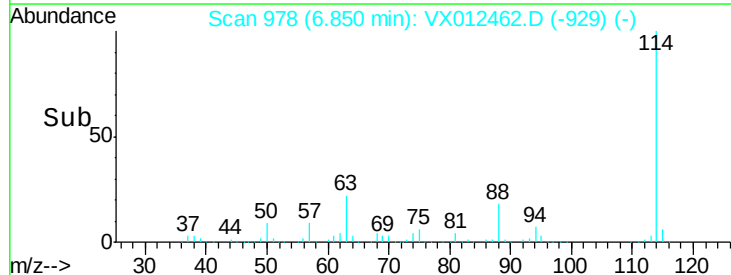
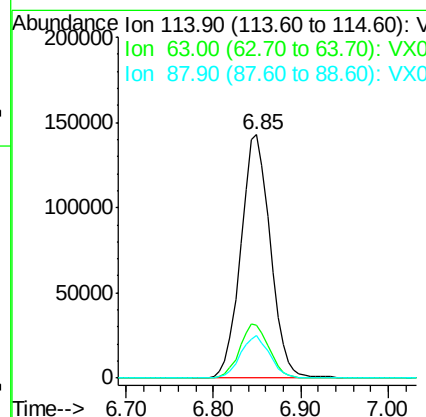
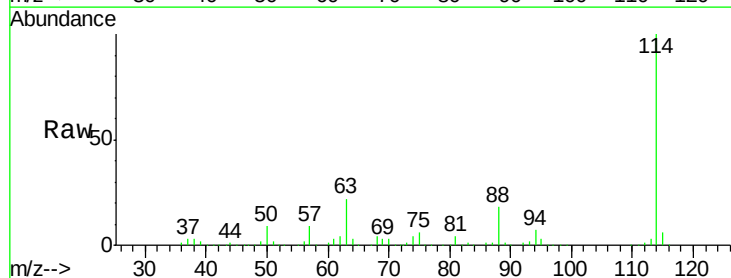
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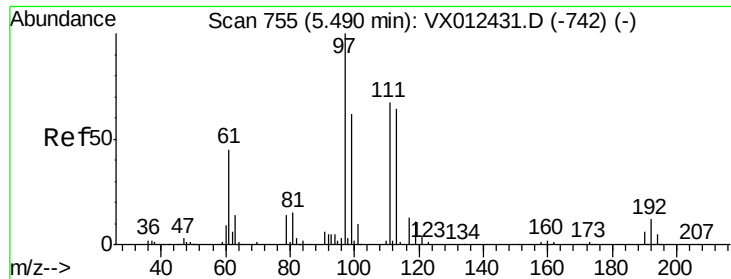
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 114 Resp: 335531
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.861 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

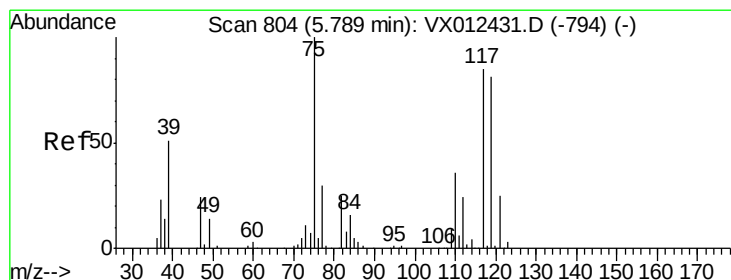
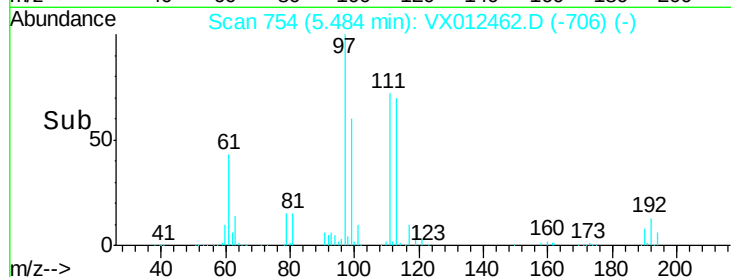
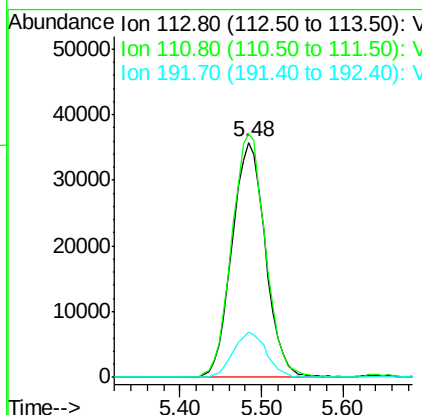
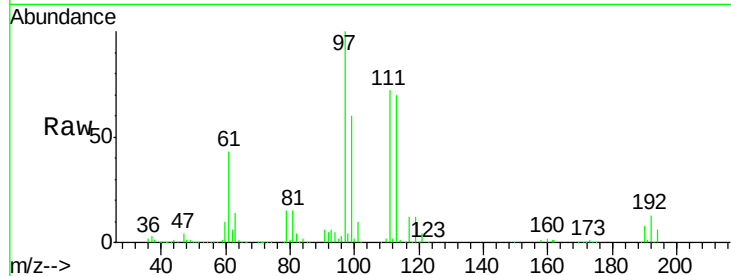
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	101259
Ion Ratio	Lower	Upper	
113	100		
111	104.2	83.4	125.2
192	19.1	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.260 ug/l

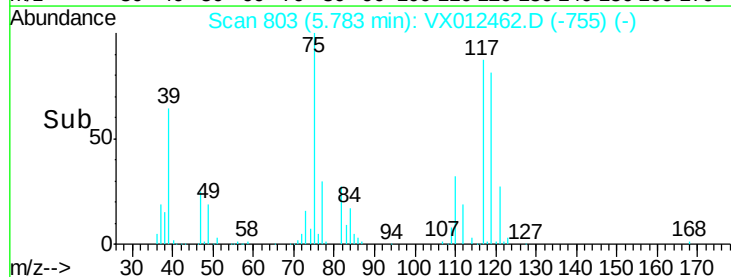
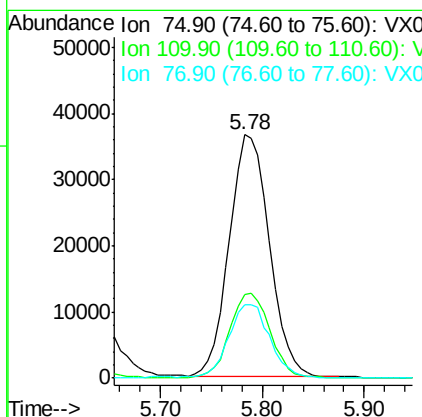
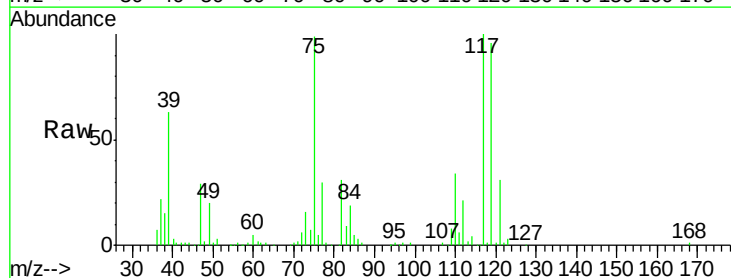
RT: 5.78 min Scan# 803

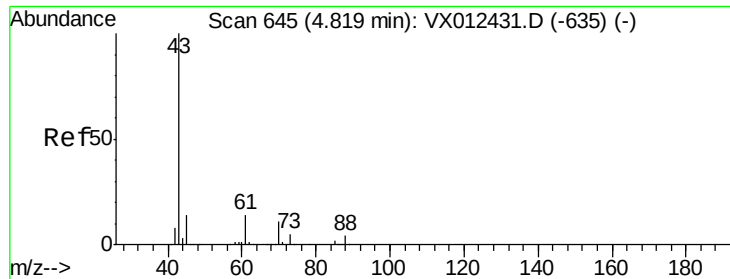
Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	75	Resp:	100451
Ion Ratio	Lower	Upper	
75	100		
110	35.4	16.7	50.0
77	30.8	24.2	36.2





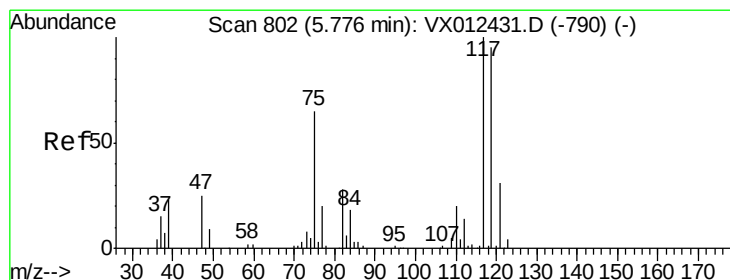
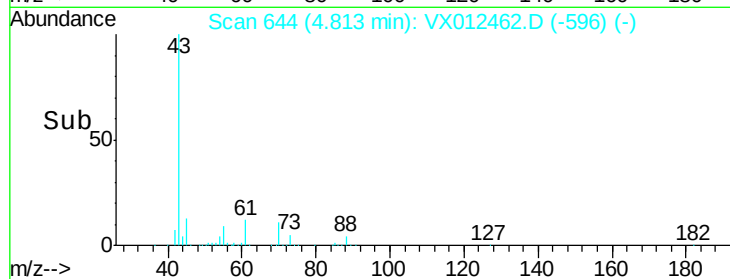
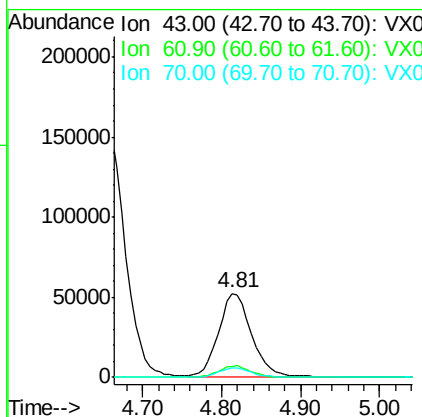
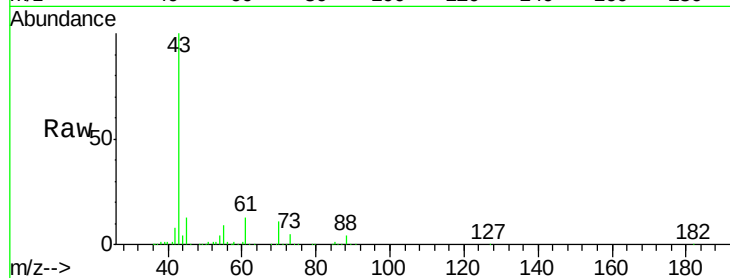
#37
Ethyl Acetate
Concen: 48.487 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	11.0	8.7	13.1

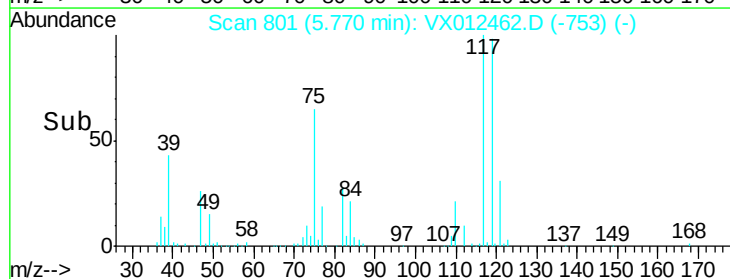
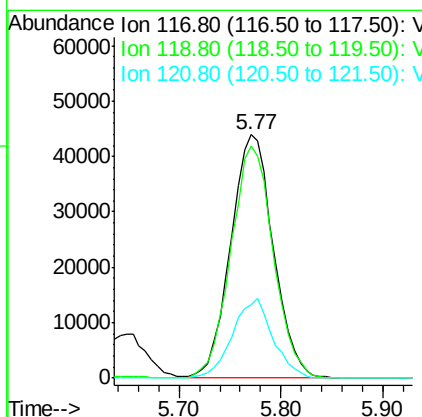
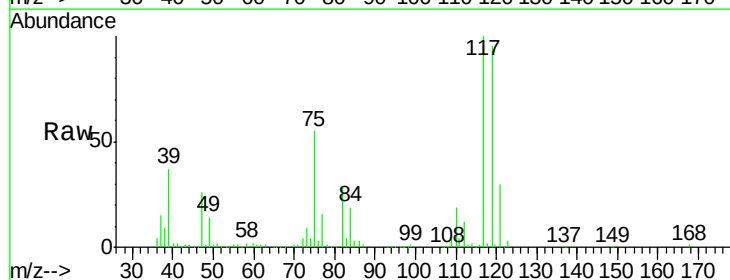
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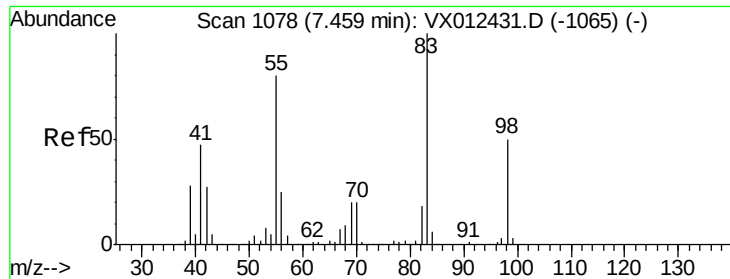
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#38
Carbon Tetrachloride
Concen: 50.249 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
121	30.2	24.2	36.4





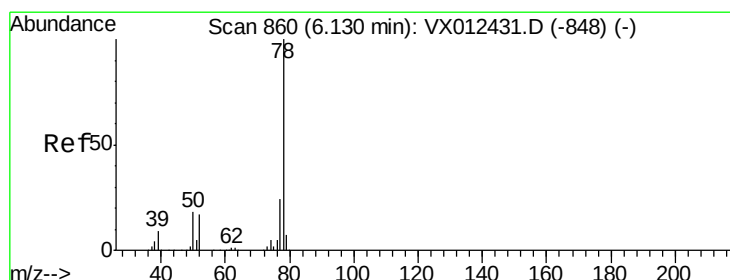
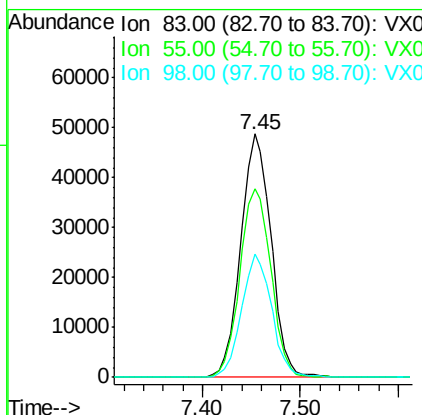
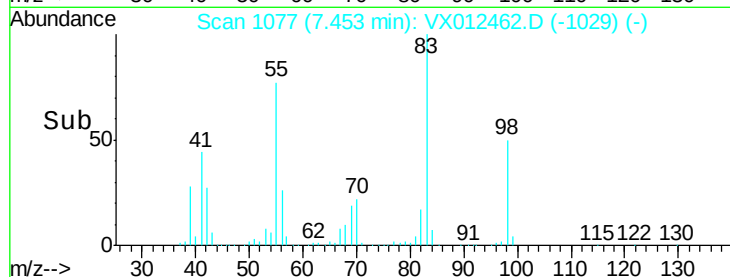
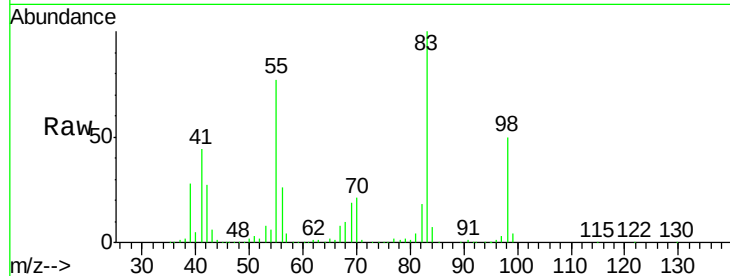
#39
Methylvlcyclohexane
Concen: 52.898 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.4	64.4	96.6	
98	50.4	40.1	60.1	

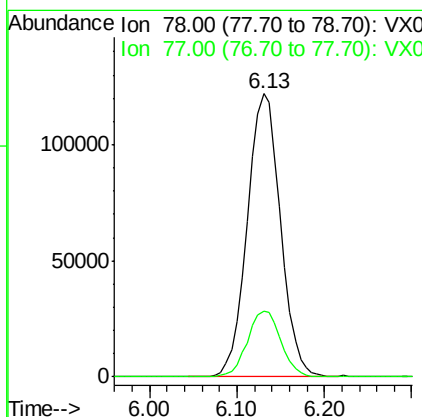
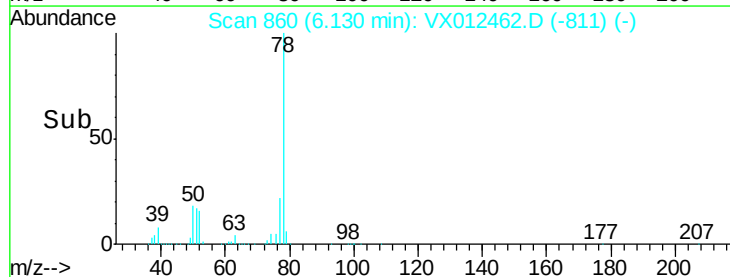
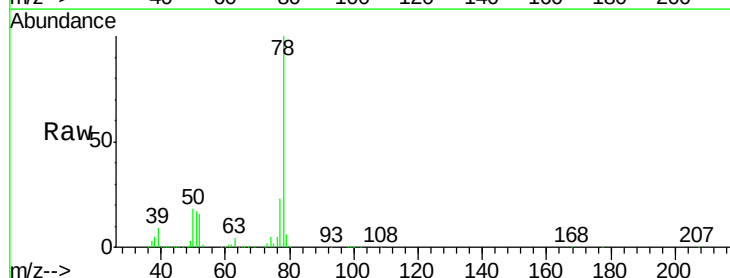
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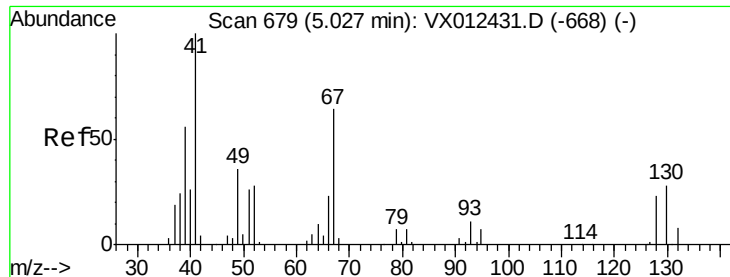
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#40
Benzene
Concen: 49.527 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	19.2	28.8	





#41

Methacrylonitrile

Concen: 45.553 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 91812
Ion Ratio Lower Upper

41 100

39 55.9 46.0 69.0

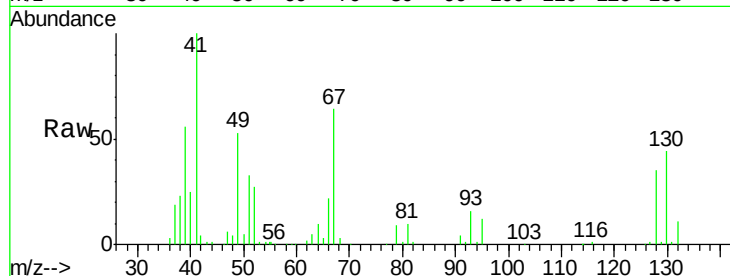
67 66.4 52.2 78.2

52 27.4 22.7 34.1

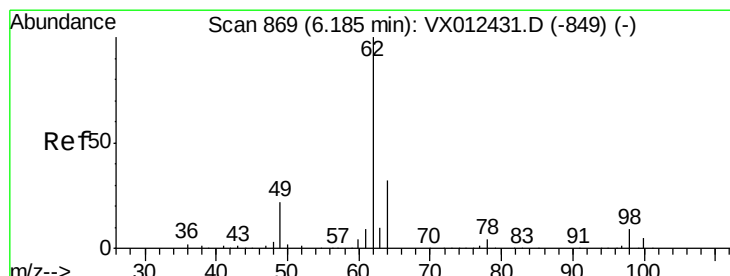
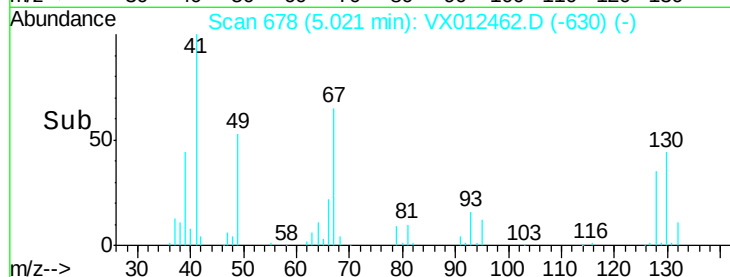
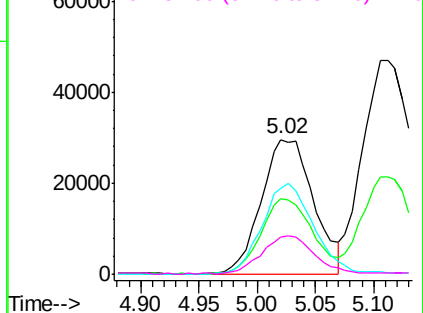
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.330 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

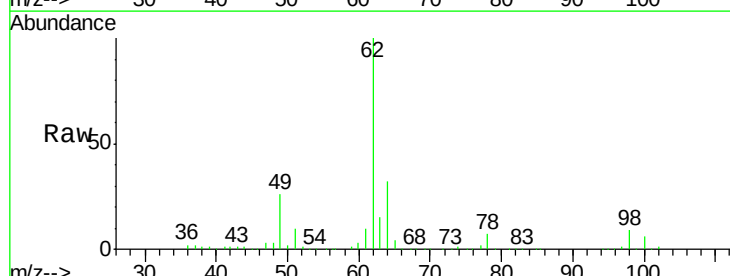
Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

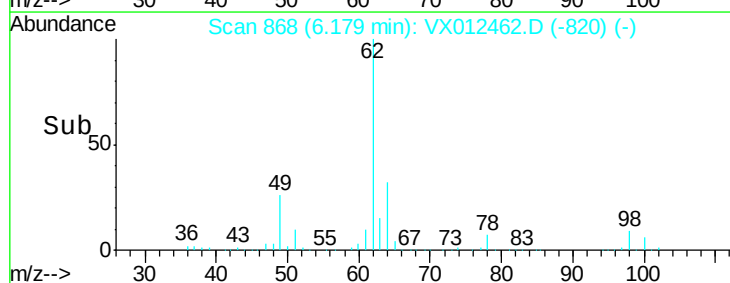
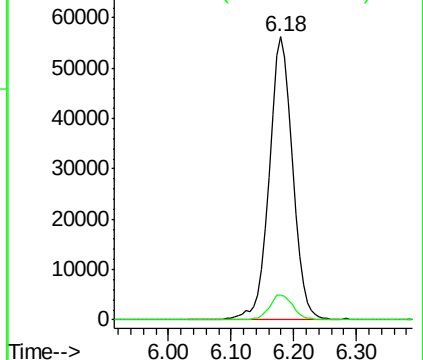
Tgt Ion: 62 Resp: 145359
Ion Ratio Lower Upper

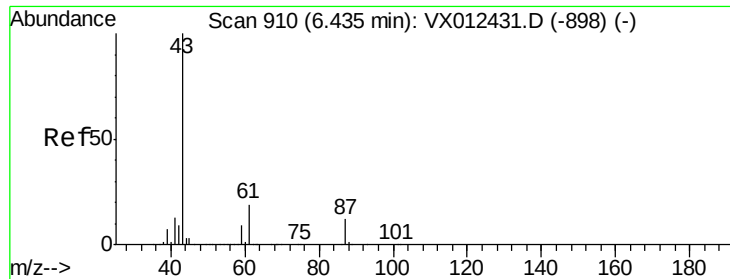
62 100

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: 46.657 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

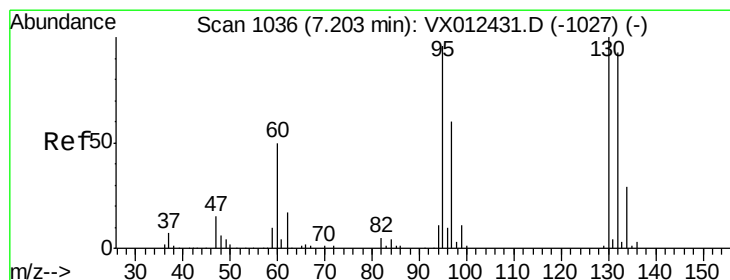
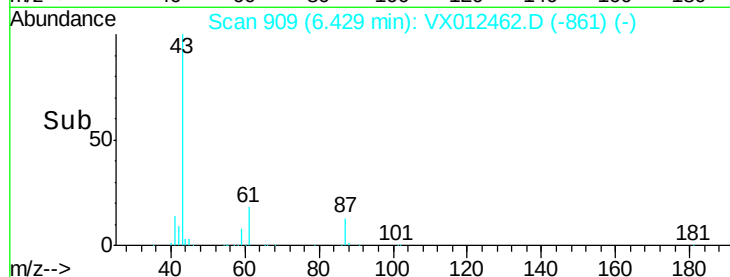
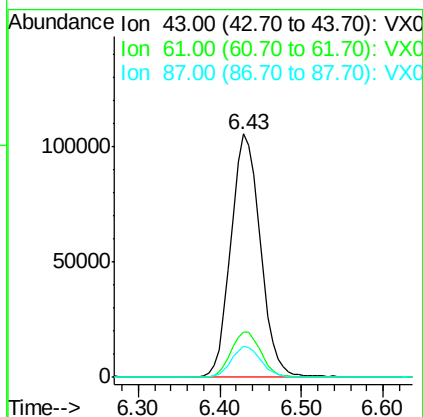
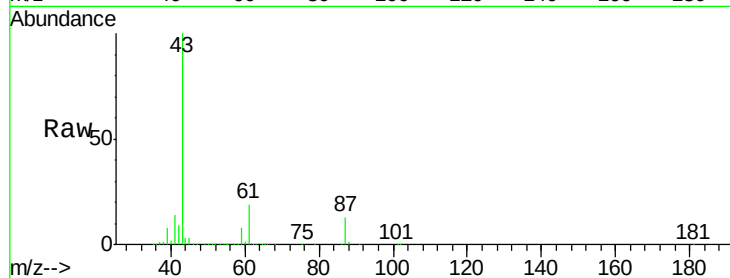
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	262122
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.4	23.0
87	12.8	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 52.692 ug/l

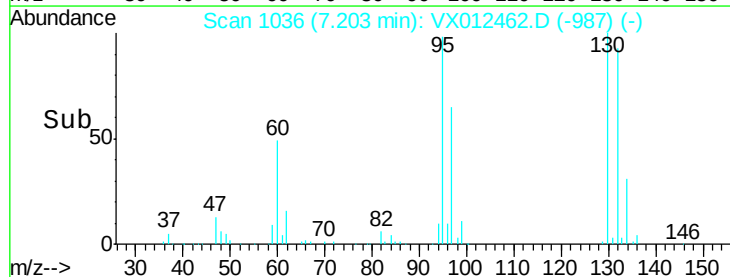
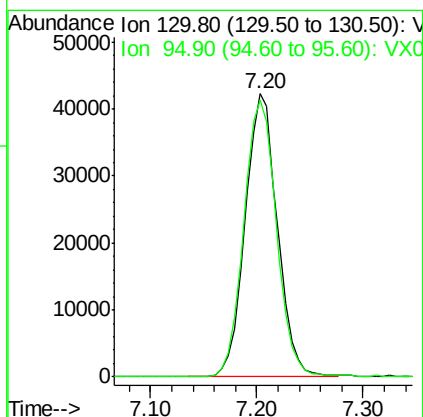
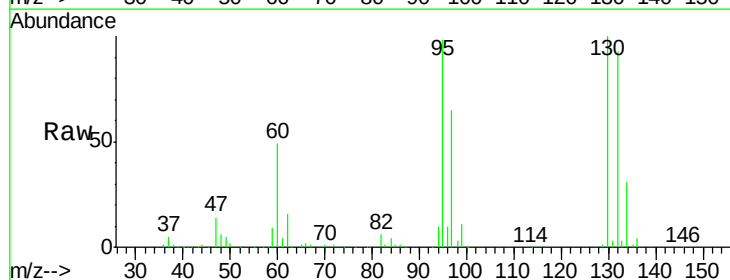
RT: 7.20 min Scan# 1036

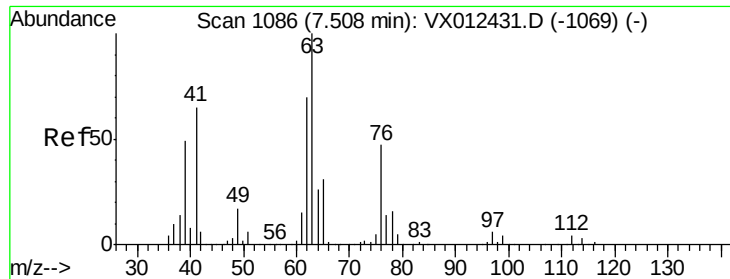
Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion	130	Resp	89881
Ion Ratio	Lower	Upper	
130	100		
95	97.9	0.0	193.0





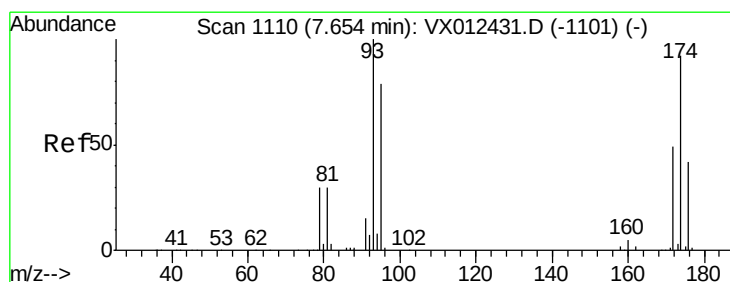
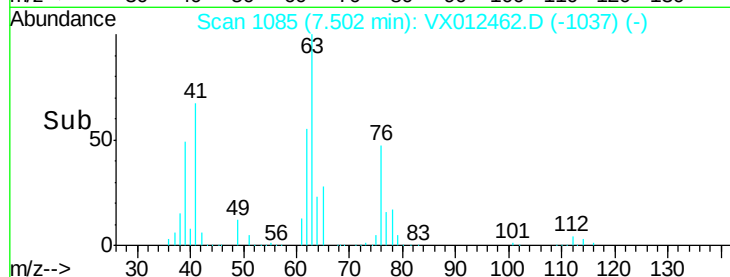
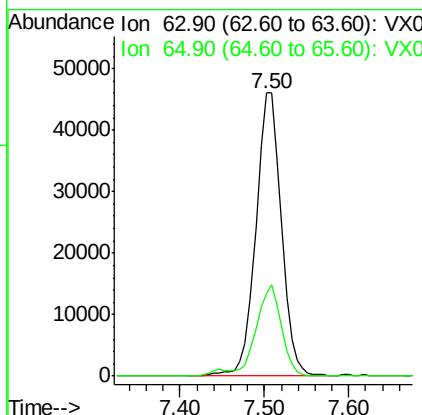
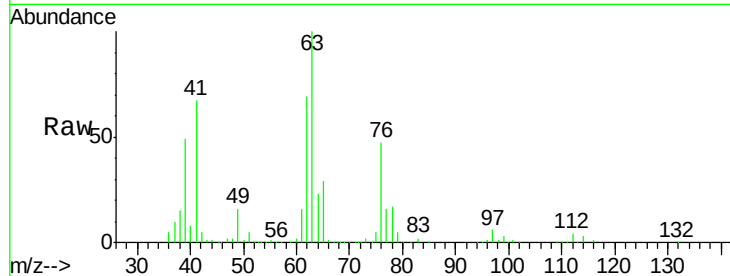
#45
 1,2-Dichloropropane
 Concen: 48.079 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 95785
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.6

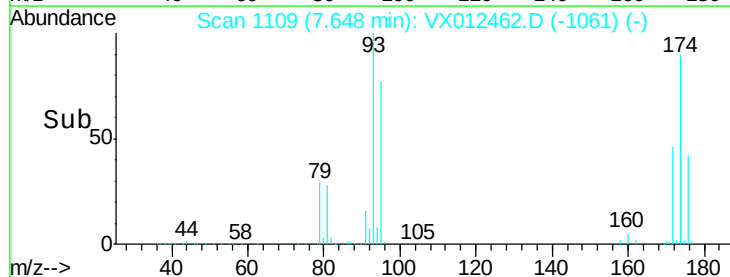
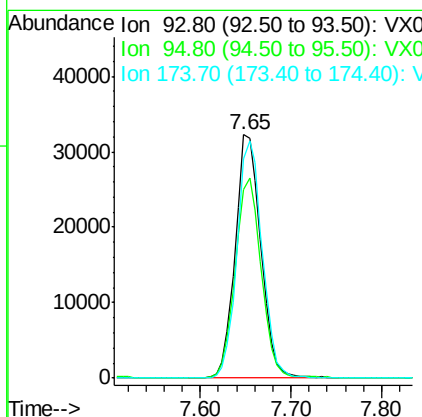
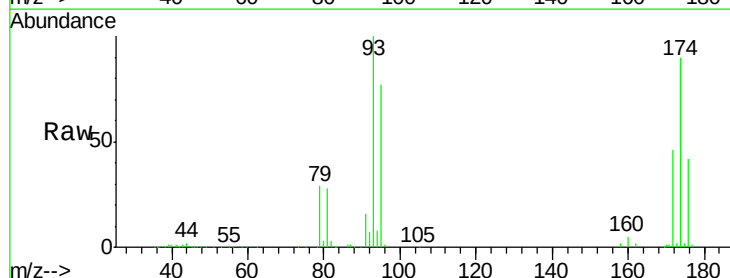
Manual Integrations
 APPROVED

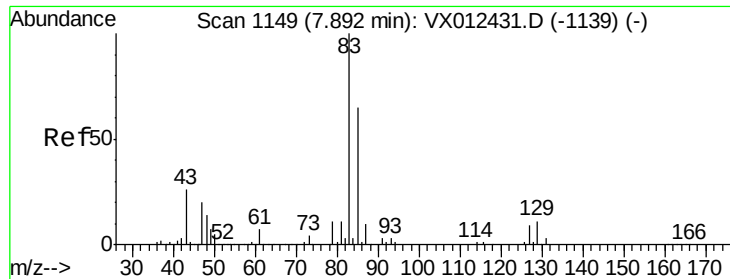
MMDadoda
 9/19/2019 1:04:16 PM



#46
 Dibromomethane
 Concen: 49.083 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 93 Resp: 63279
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 96.1 77.4 116.0





#47

Bromodichloromethane

Concen: 50.215 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

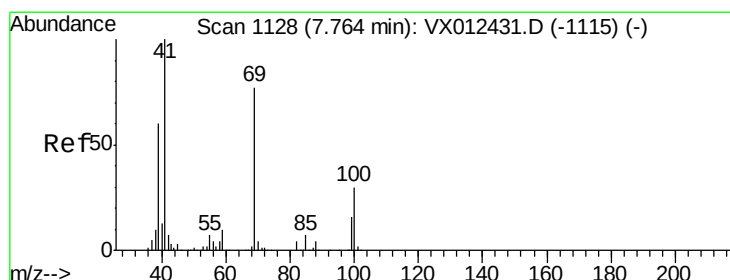
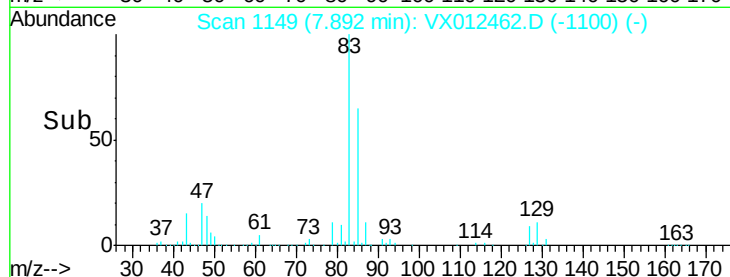
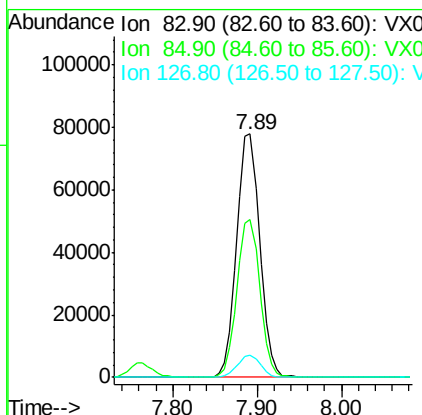
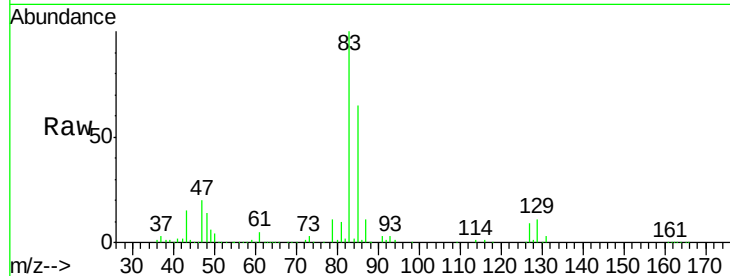
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	144146
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.134 ug/l

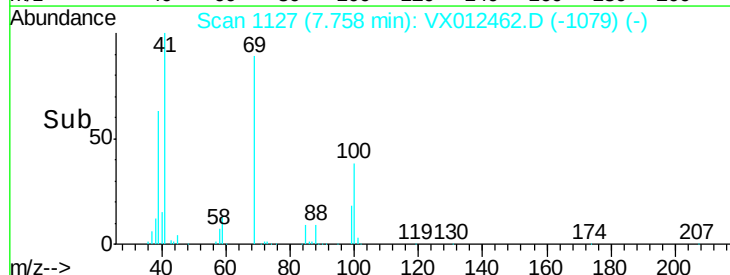
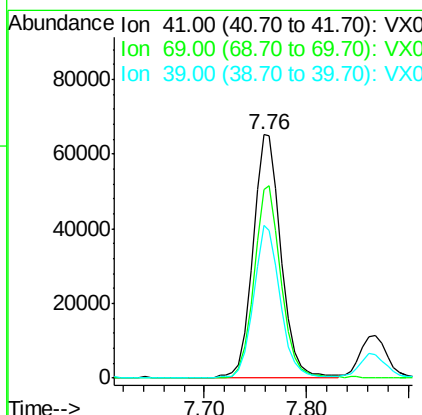
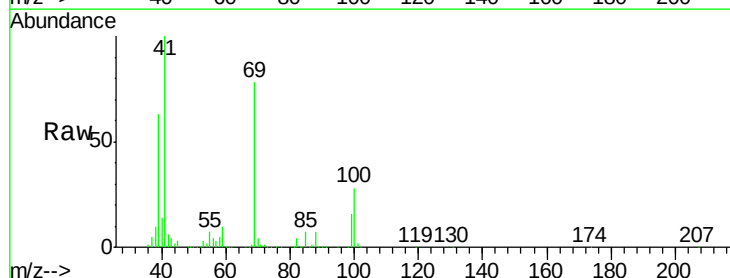
RT: 7.76 min Scan# 1127

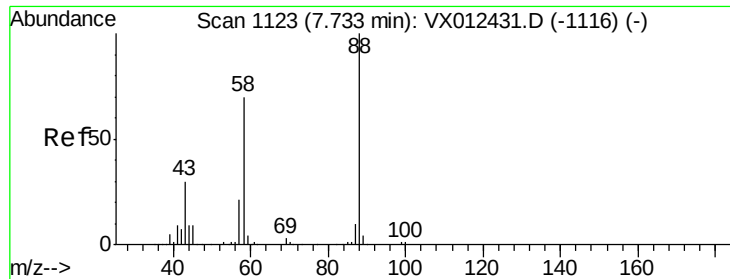
Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	41	Resp:	124826
Ion	Ratio	Lower	Upper
41	100		
69	76.8	59.9	89.9
39	59.9	47.8	71.6





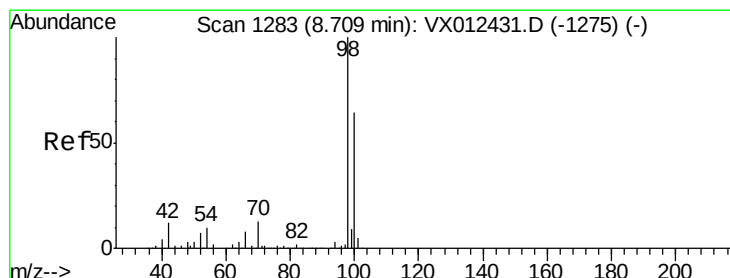
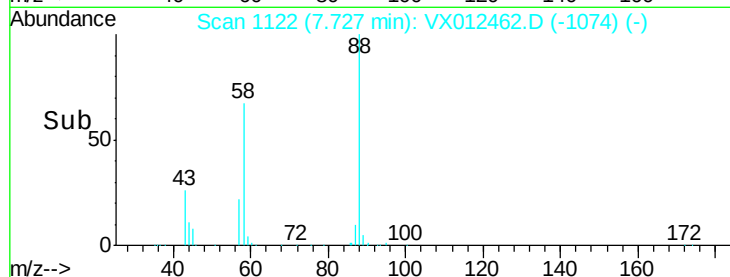
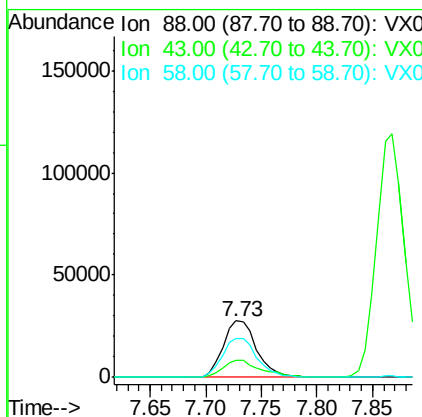
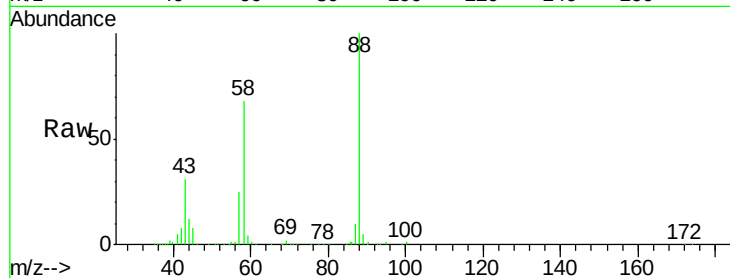
#49
1,4-Dioxane
Concen: 898.316 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.4	44.0
58	72.1	57.5	86.3

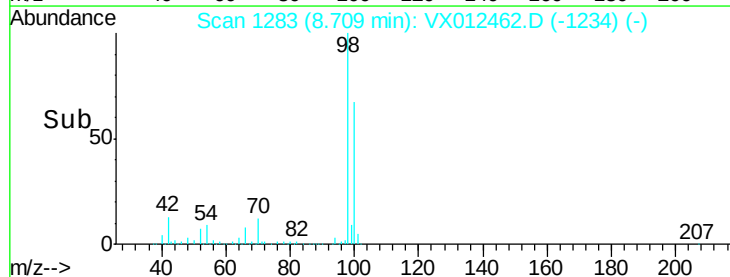
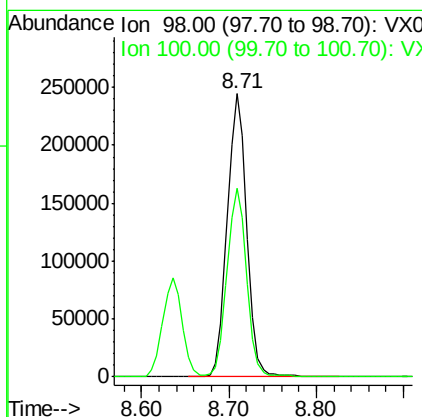
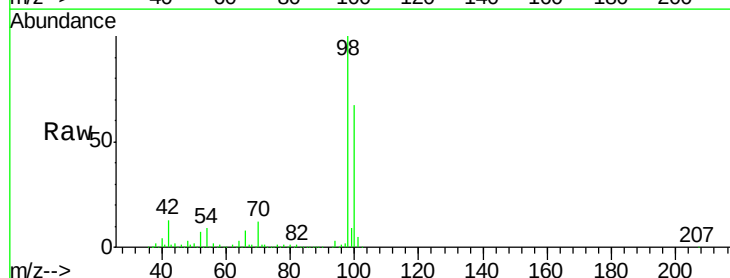
Manual Integrations
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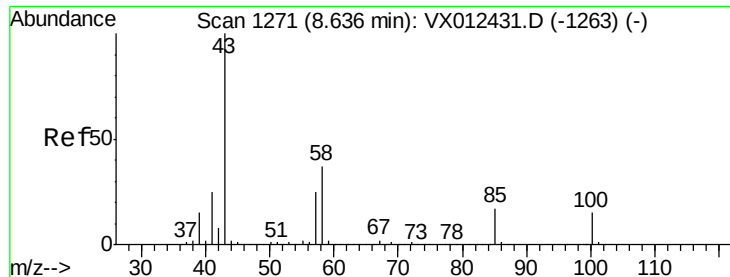
MMDadoda
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#50
Toluene-d8
Concen: 50.301 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 229.549 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 845726

Ion Ratio Lower Upper

43 100

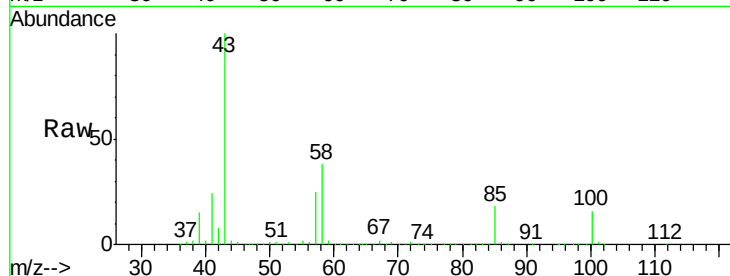
58 37.4 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

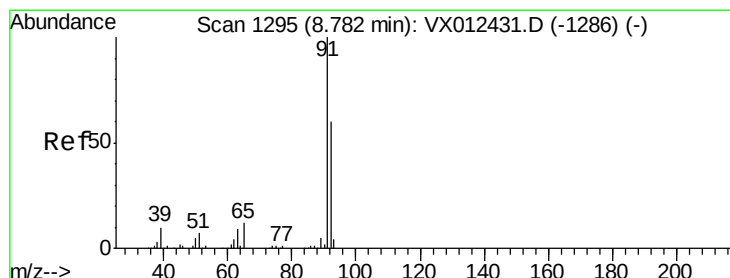
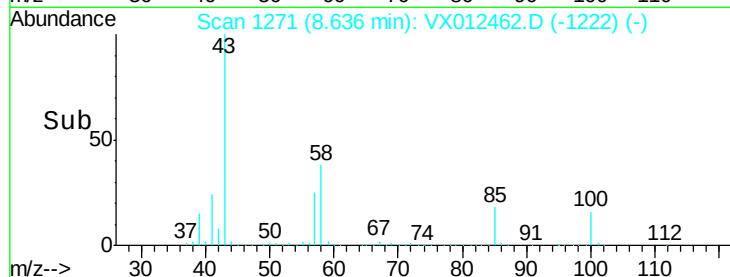
200000

100000

0

8.50 8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 50.262 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012462.D

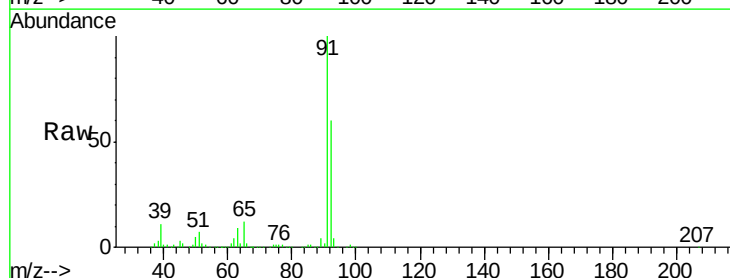
Acq: 18 Sep 2019 10:30

Tgt Ion: 92 Resp: 210018

Ion Ratio Lower Upper

92 100

91 169.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

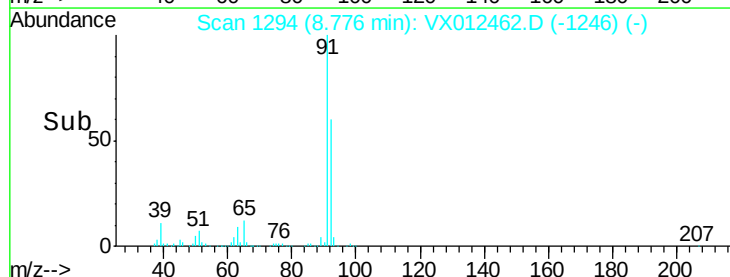
100000

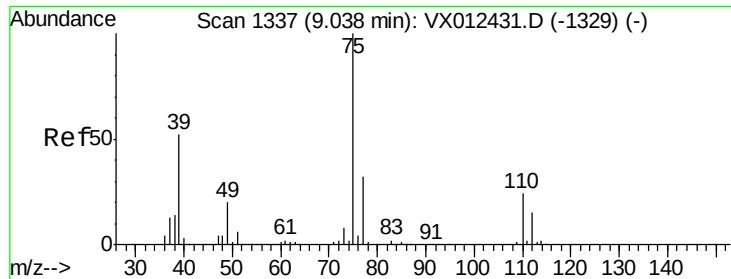
50000

0

8.70 8.75 8.80 8.85

Time-->





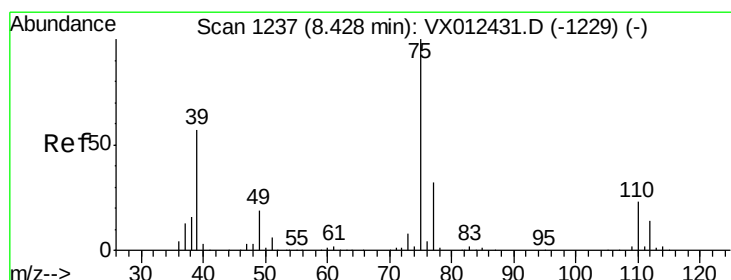
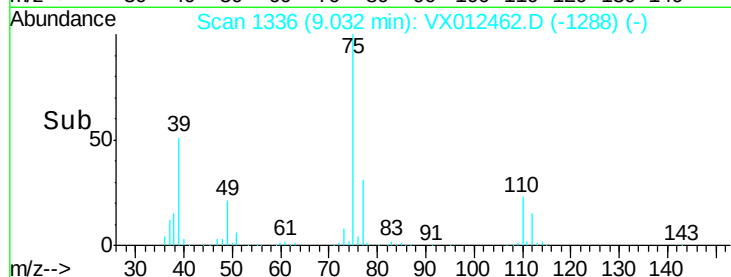
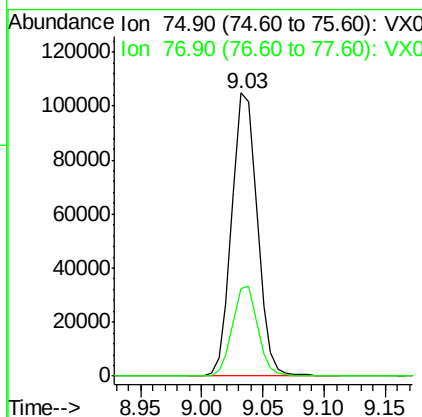
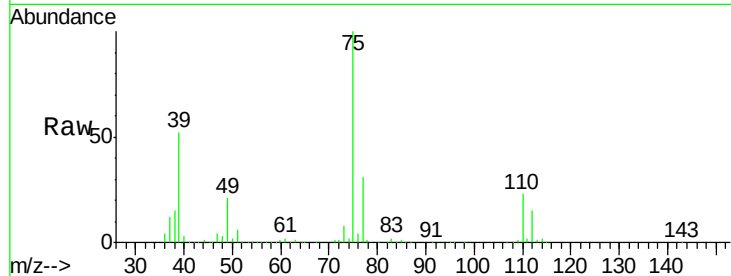
#53
t-1,3-Dichloropropene
Concen: 50.810 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 151614
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

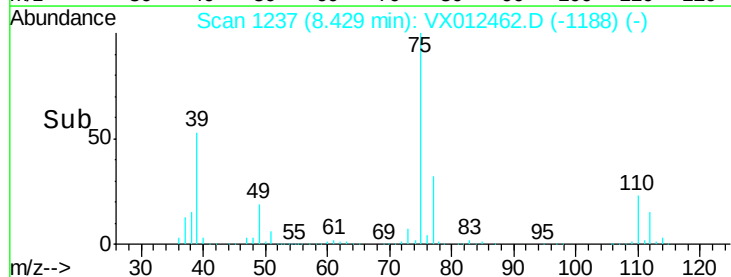
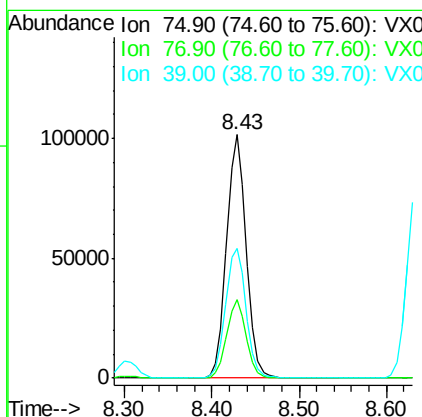
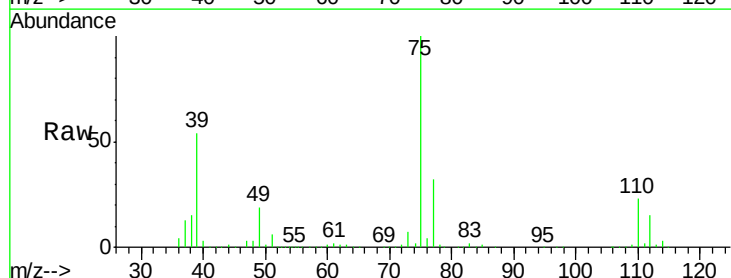
Manual Integrations
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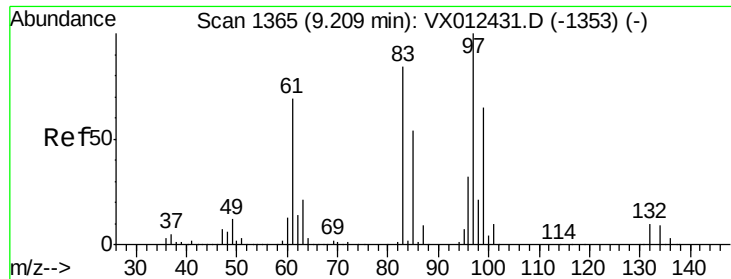
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.193 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 75 Resp: 158145
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
39 53.4 45.5 68.3





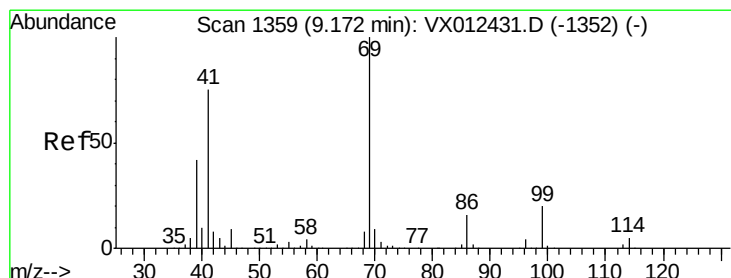
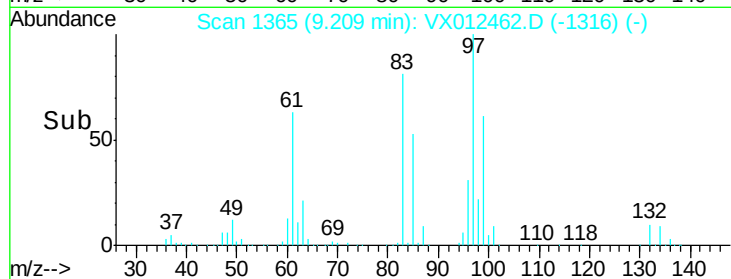
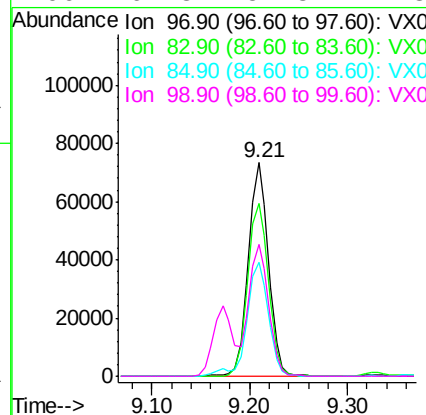
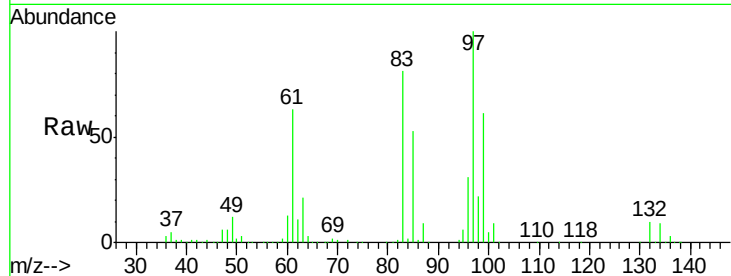
#55
 1,1,2-Trichloroethane
 Concen: 48.804 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		105061		
83	80.7	67.4	101.2		
85	53.1	43.5	65.3		
99	61.3	51.8	77.8		

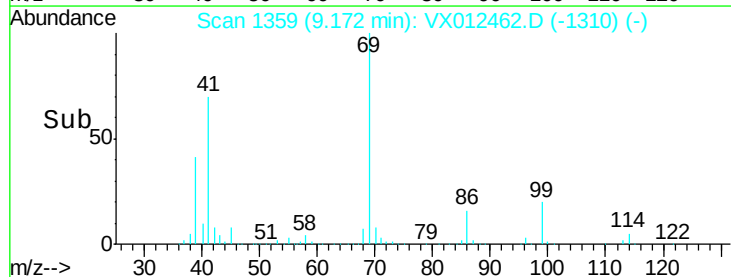
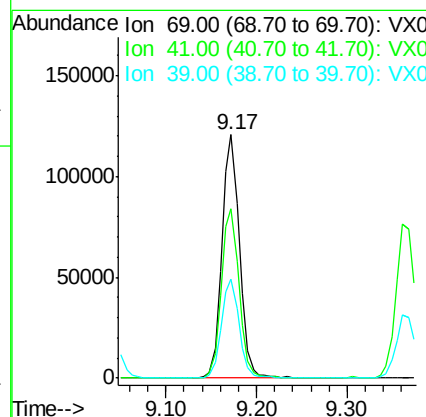
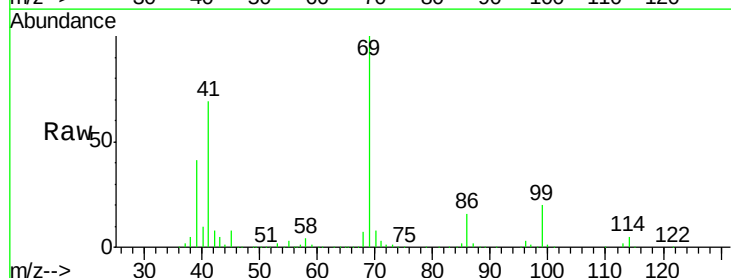
Manual Integrations
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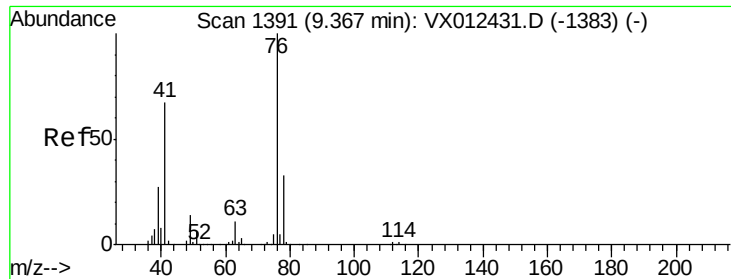
MMDadoda
 9/19/2019 1:04:16 PM



#56
 Ethyl methacrylate
 Concen: 48.924 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164665		
41	70.0	58.4	87.6		
39	40.5	33.4	50.0		





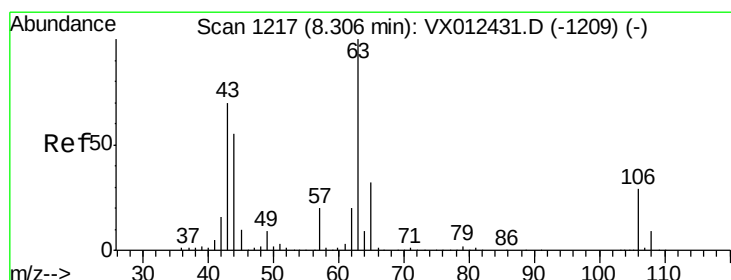
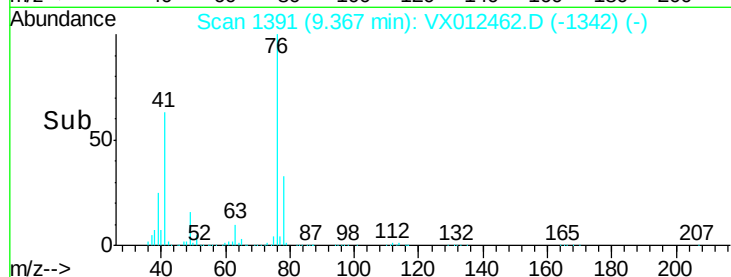
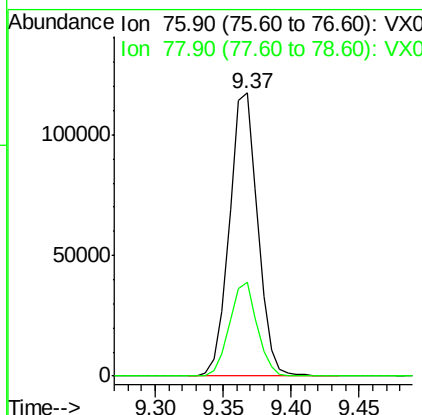
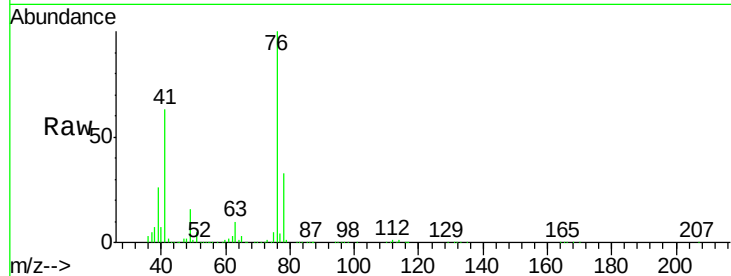
#57
 1,3-Dichloropropane
 Concen: 49.372 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 169578
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

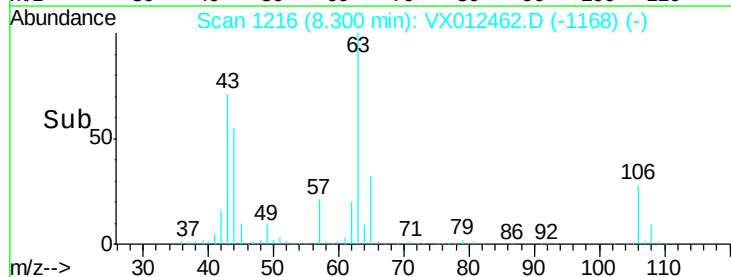
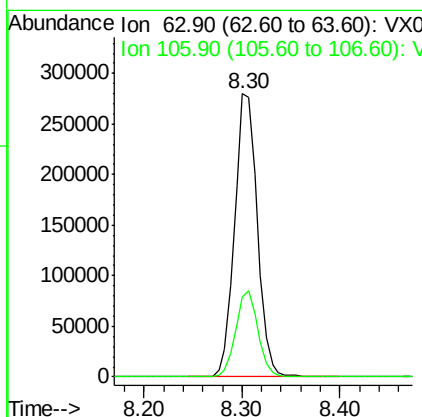
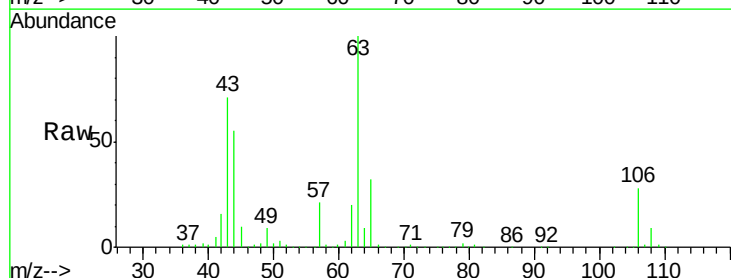
Manual Integrations
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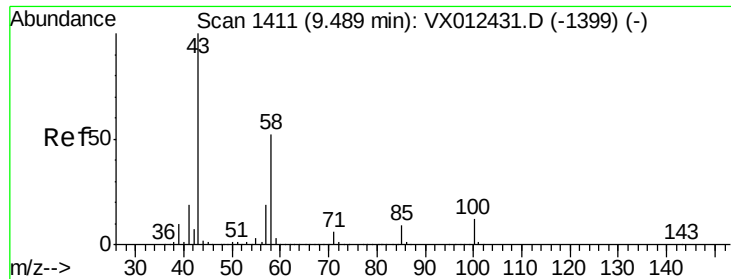
MMDadoda
 9/19/2019 1:04:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.721 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 63 Resp: 450756
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.6





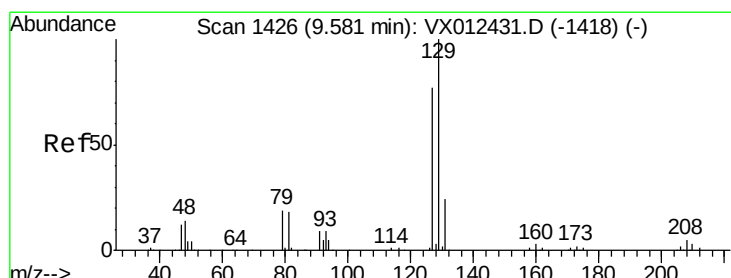
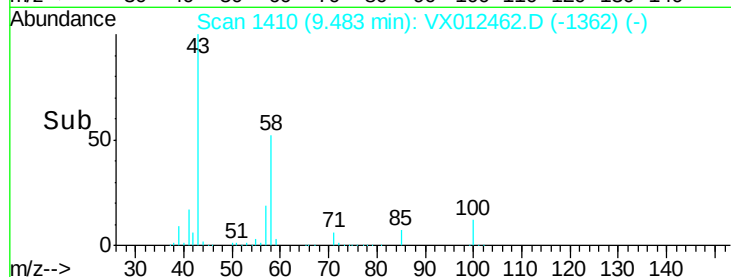
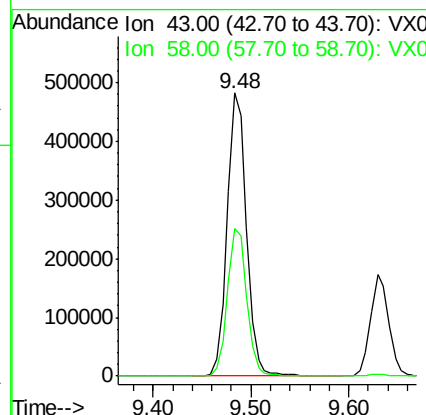
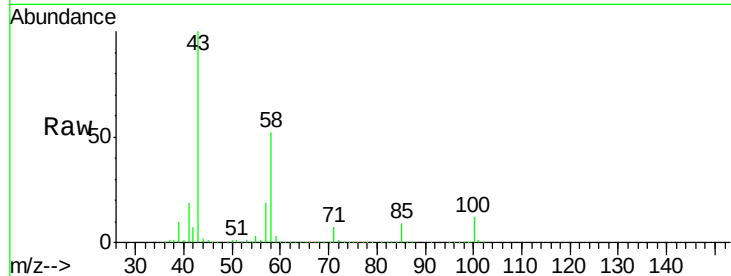
#59
2-Hexanone
Concen: 229.624 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 660020
Ion Ratio Lower Upper
43 100
58 52.8 25.7 77.1

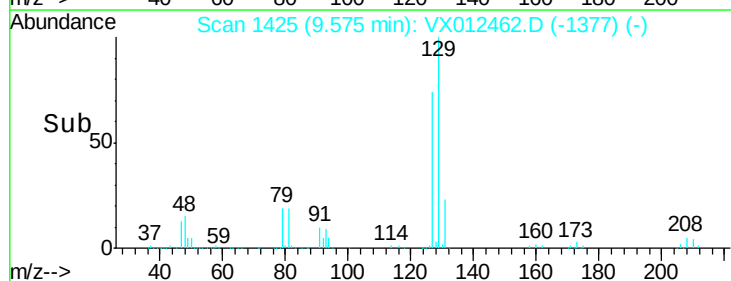
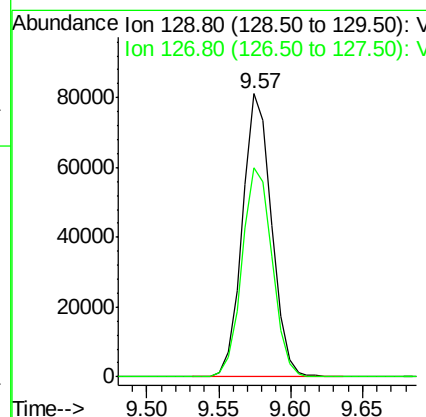
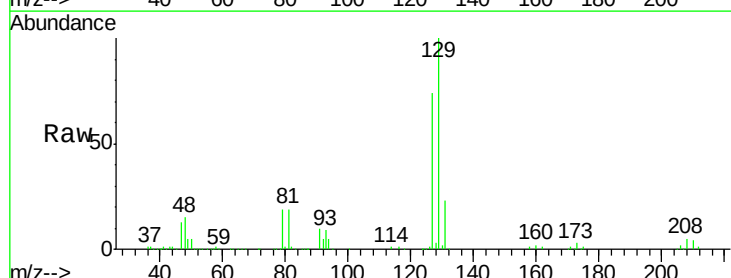
Manual Integrations
APPROVED

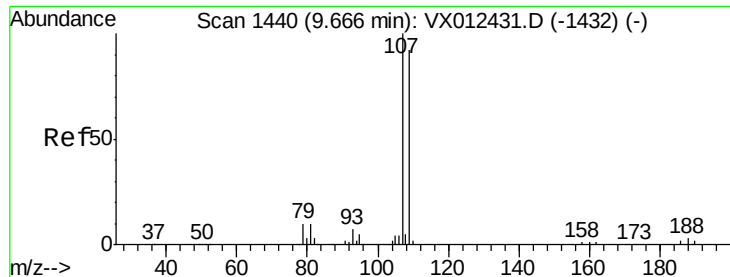
MMDadoda
9/19/2019 1:04:16 PM



#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 129 Resp: 114123
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.003 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 100276

Ion Ratio Lower Upper

107 100

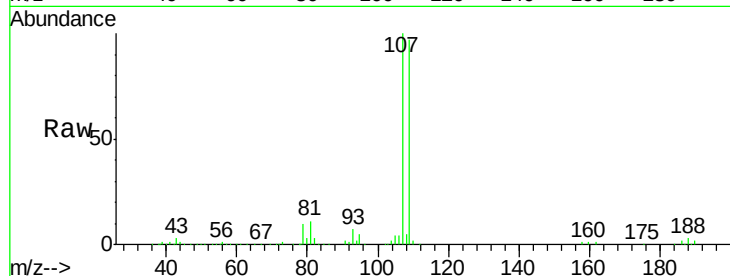
109 95.1 74.7 112.1

Manual Integrations

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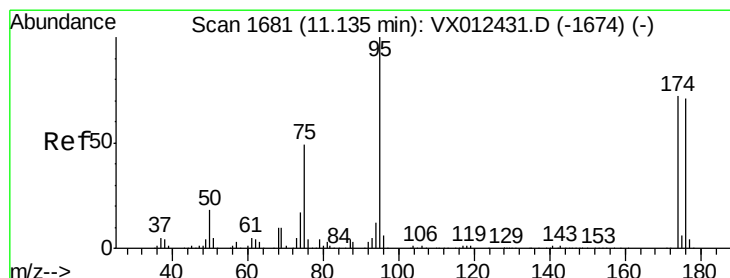
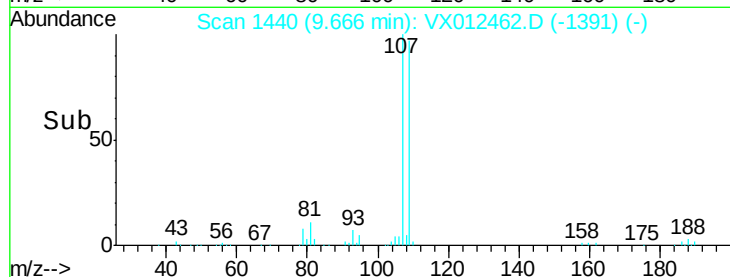
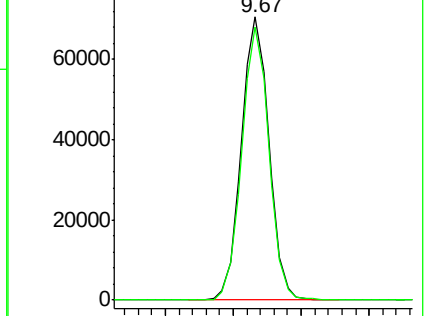
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.748 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

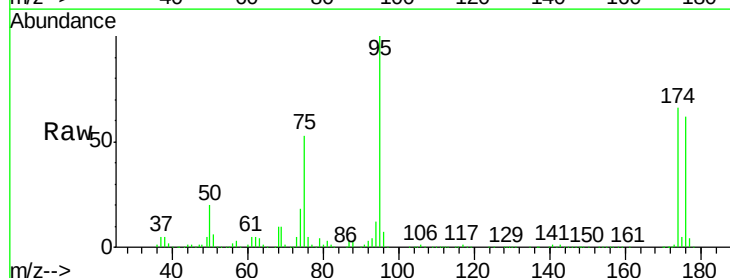
Tgt Ion: 95 Resp: 158389

Ion Ratio Lower Upper

95 100

174 70.7 0.0 140.0

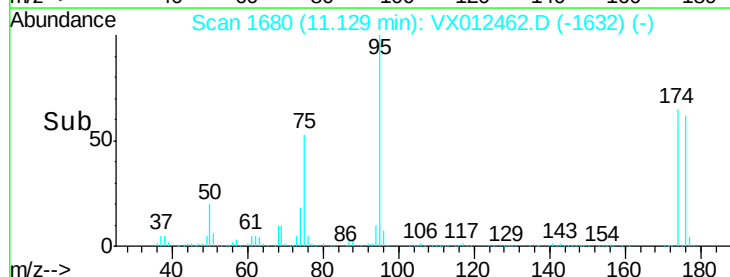
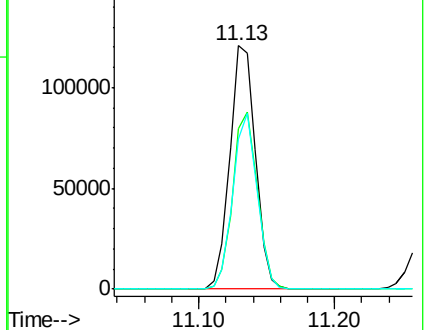
176 69.0 0.0 135.4

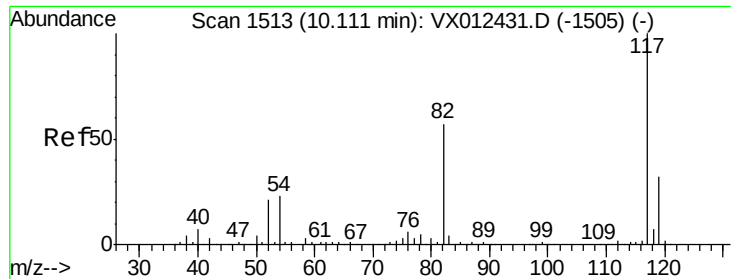


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

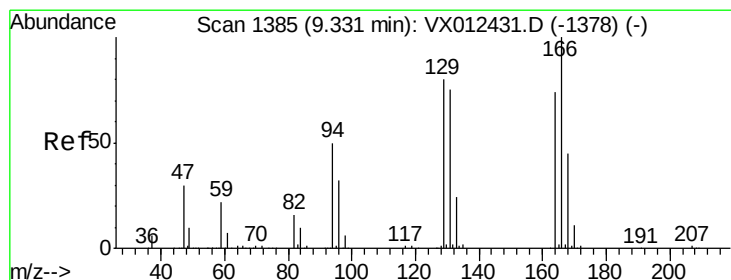
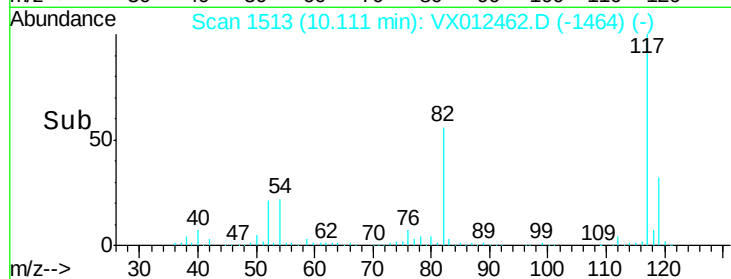
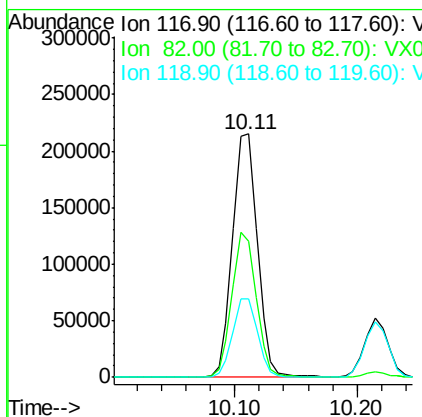
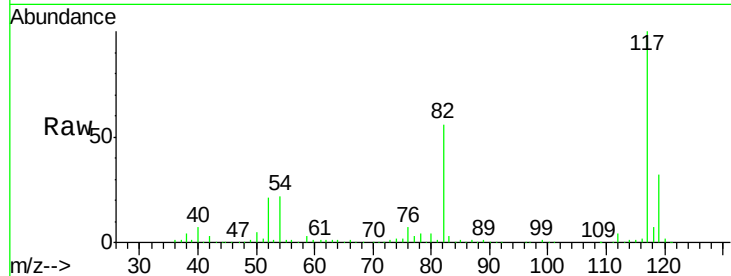
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	303699
Ion Ratio	Lower	Upper	
117	100		
82	56.1	45.9	68.9
119	32.4	25.3	37.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 55.899 ug/l

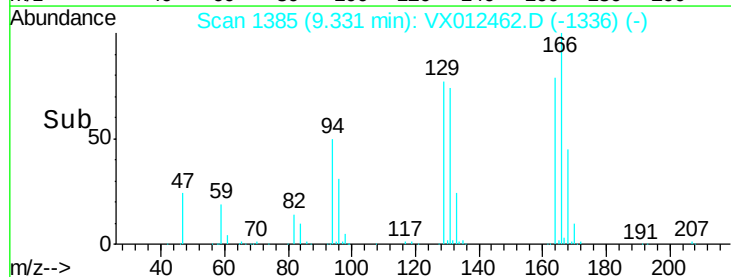
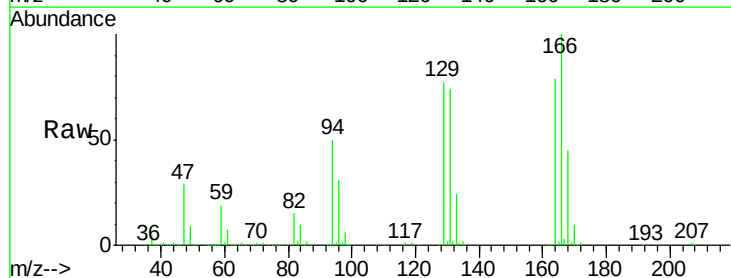
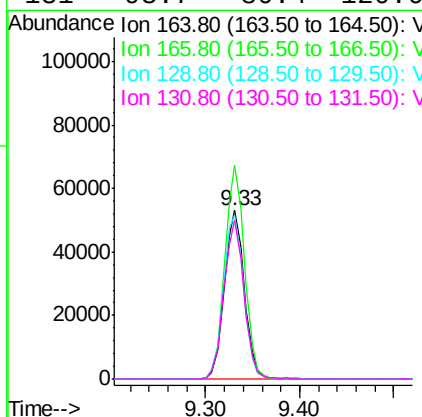
RT: 9.33 min Scan# 1385

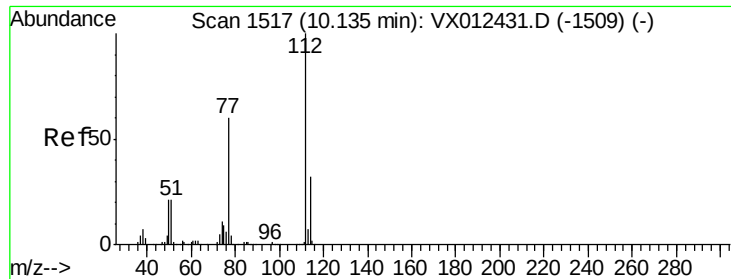
Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	164	Resp:	77793
Ion Ratio	Lower	Upper	
164	100		
166	126.5	107.8	161.6
129	97.3	86.2	129.2
131	93.7	80.4	120.6





#65

Chlorobenzene

Concen: 50.063 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 250941

Ion Ratio Lower Upper

112 100

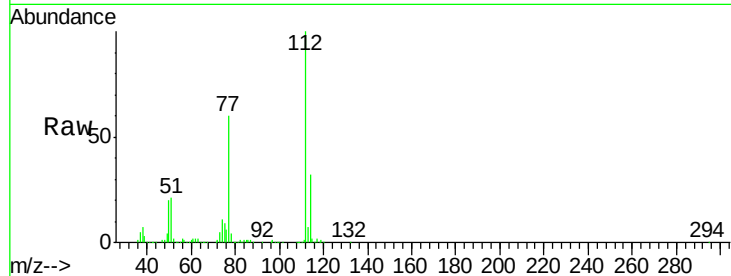
114 32.2 25.4 38.0

Manual Integrations

APPROVED

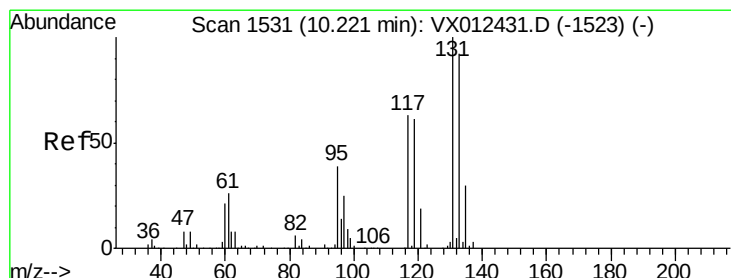
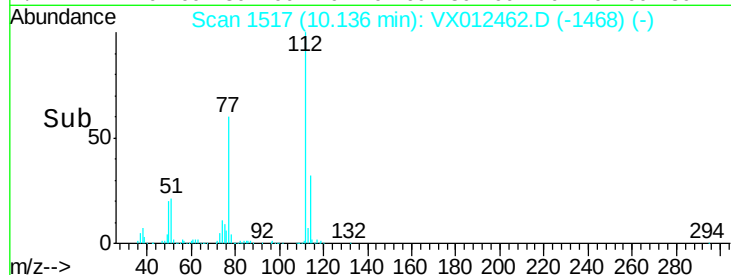
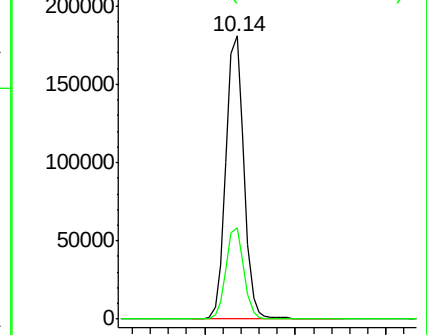
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.905 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

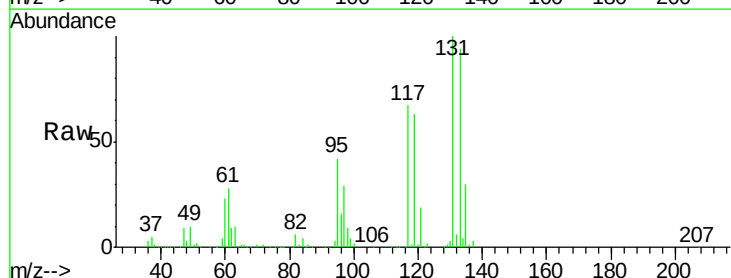
Tgt Ion:131 Resp: 105900

Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.9

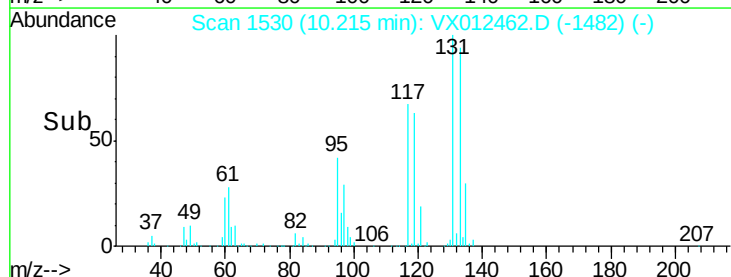
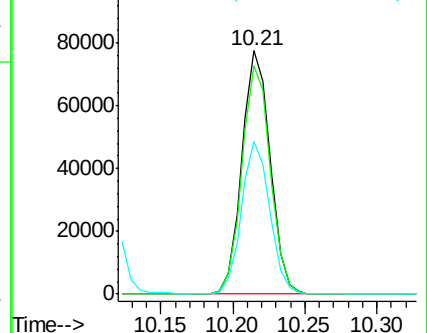
119 62.8 31.3 93.8

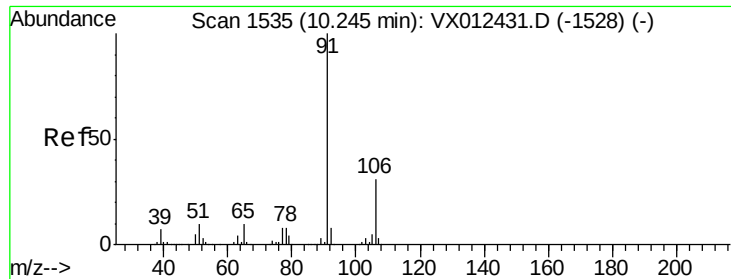


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.493 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 434840

Ion Ratio Lower Upper

91 100

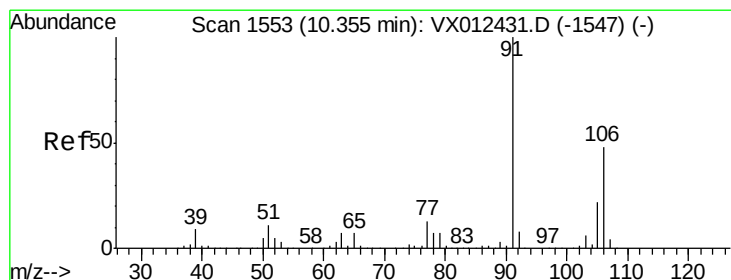
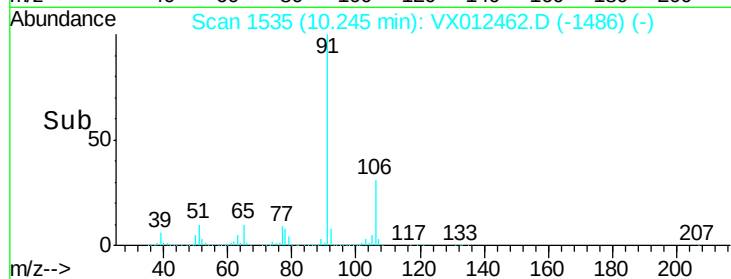
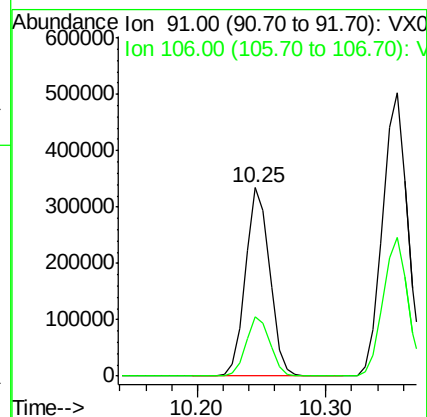
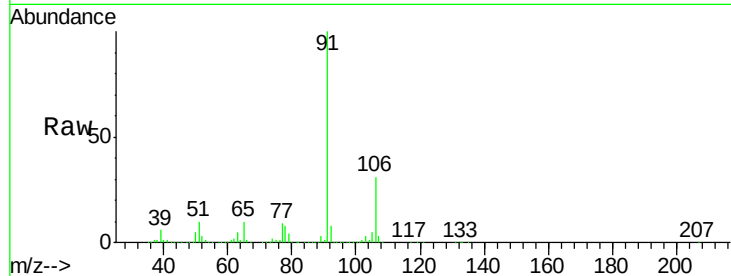
106 31.5 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.860 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012462.D

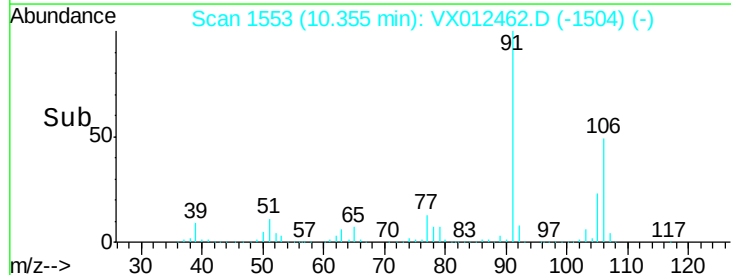
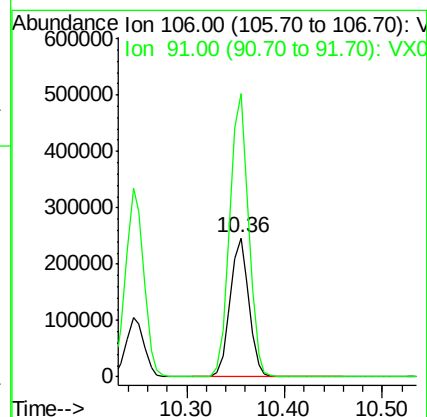
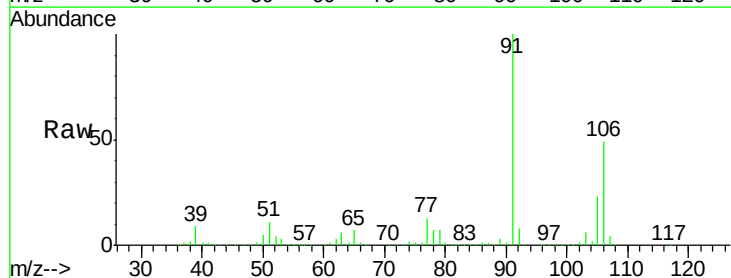
Acq: 18 Sep 2019 10:30

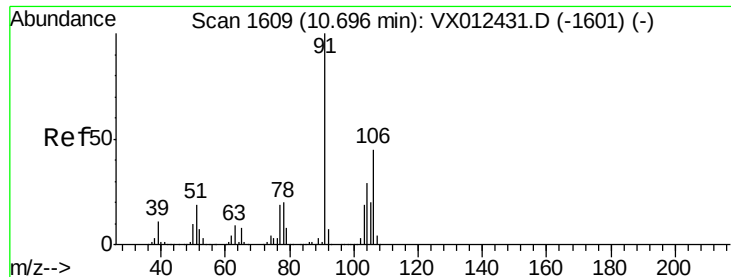
Tgt Ion: 106 Resp: 328570

Ion Ratio Lower Upper

106 100

91 204.7 166.6 250.0





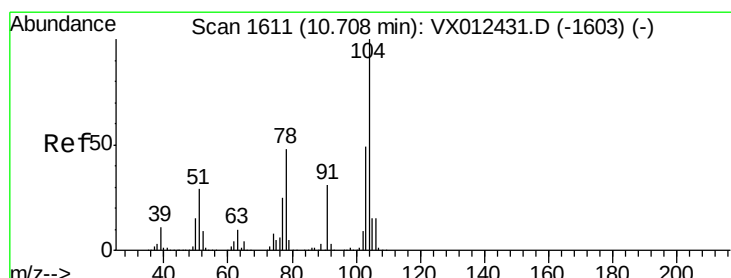
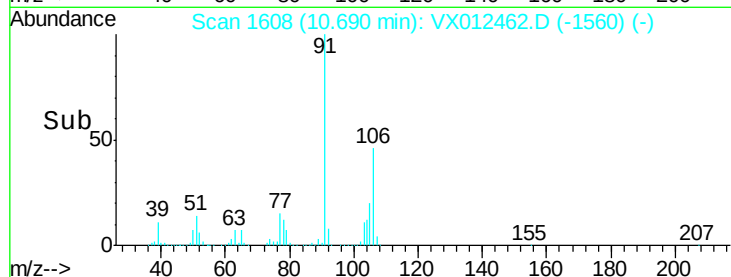
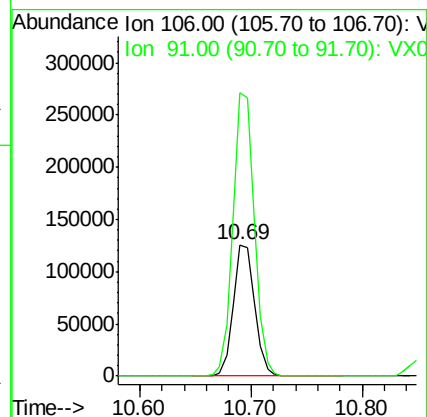
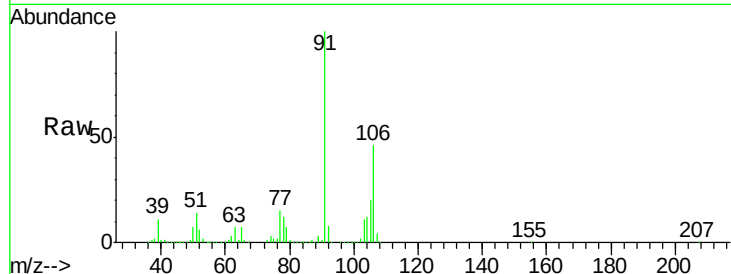
#69
o-Xylene
Concen: 51.540 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		166084		
91	216.8	109.4	328.2		

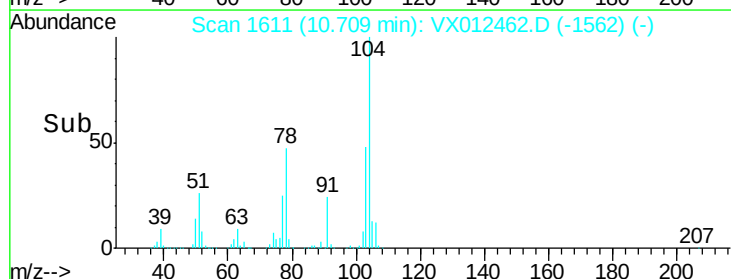
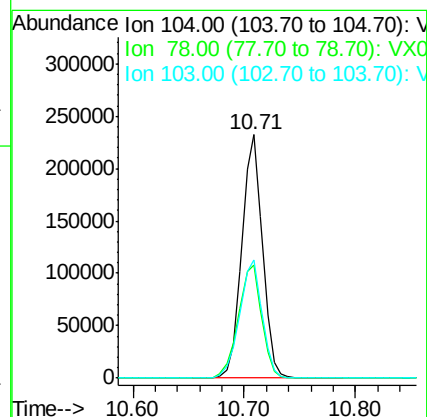
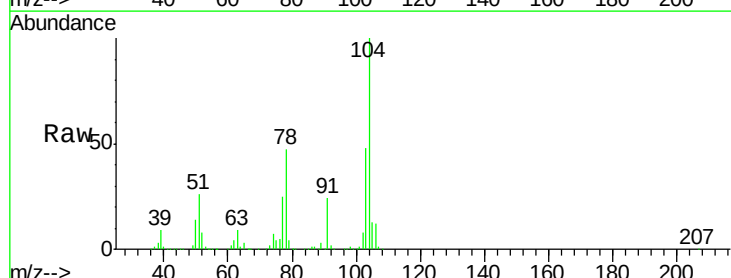
Manual Integrations
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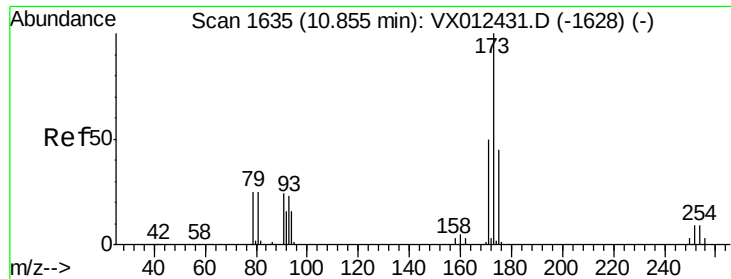
MMDadoda
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#70
Styrene
Concen: 52.186 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		297539		
78	52.8	43.4	65.2		
103	53.2	43.3	64.9		





#71

Bromoform

Concen: 45.259 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 80551

Ion Ratio Lower Upper

173 100

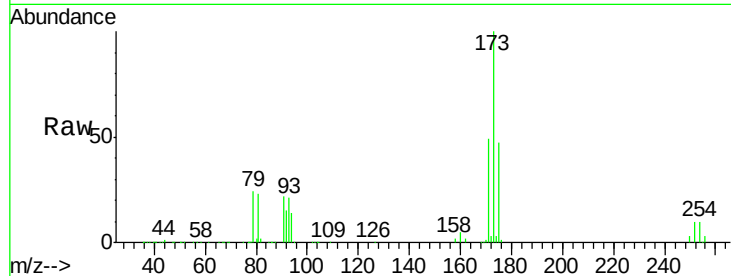
175 48.0 23.7 71.1

254 0.1 0.1 0.1#

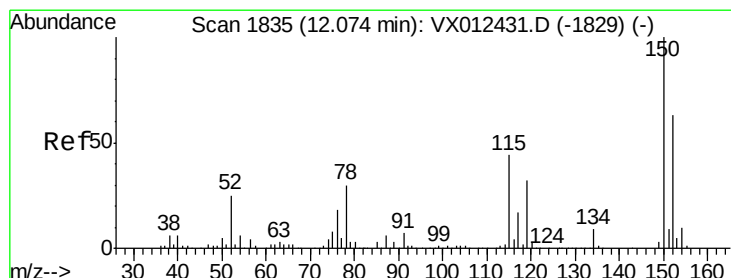
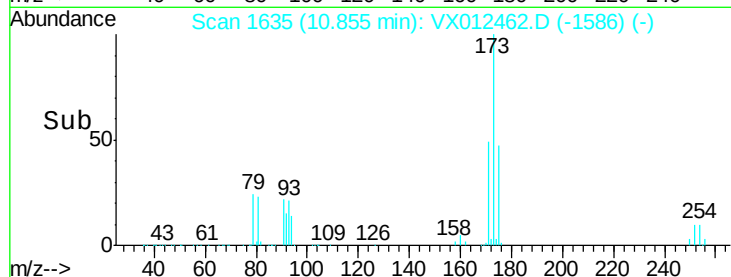
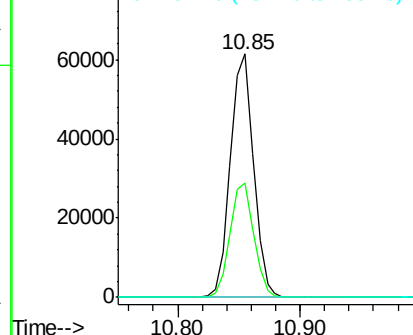
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

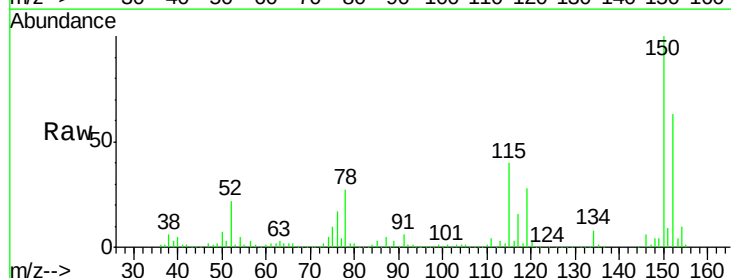
Tgt Ion:152 Resp: 156627

Ion Ratio Lower Upper

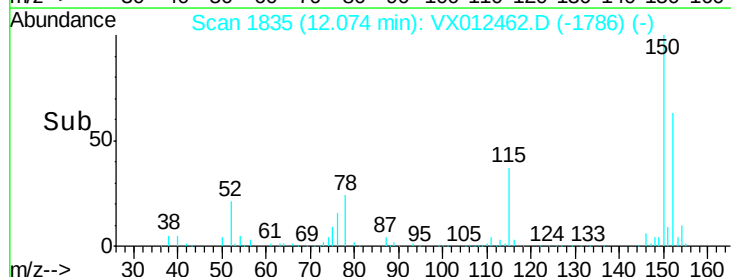
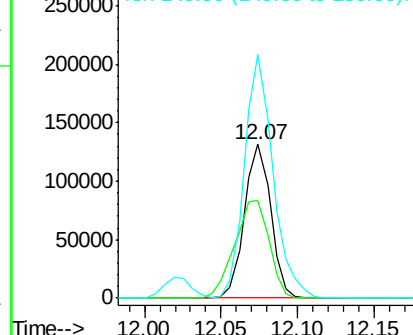
152 100

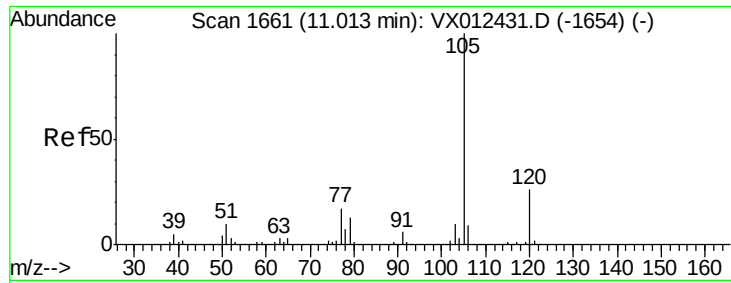
115 83.7 44.1 132.3

150 172.1 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: 47.418 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 466000

Ion Ratio Lower Upper

105 100

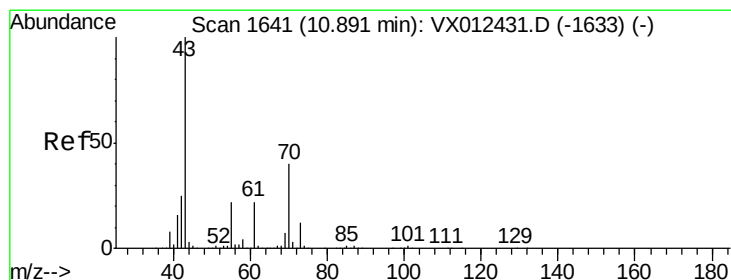
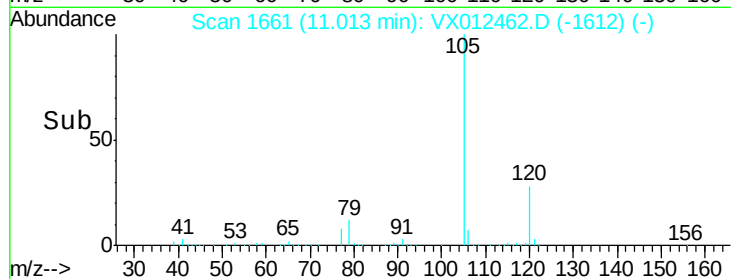
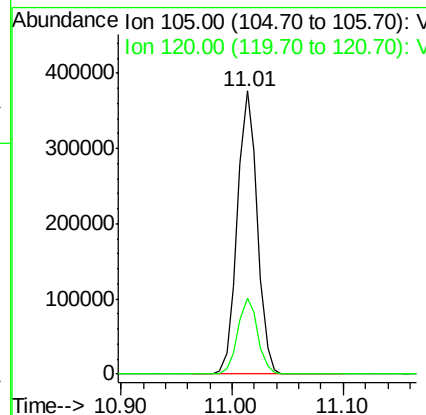
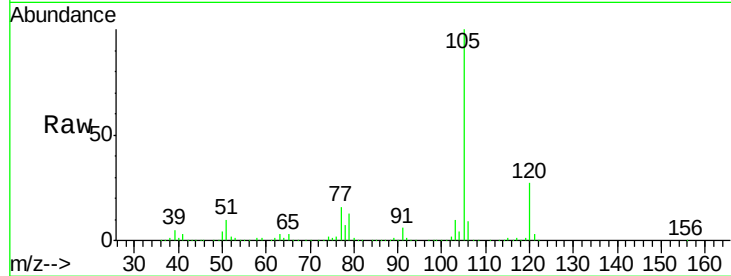
120 26.7 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 44.470 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion: 43 Resp: 235288

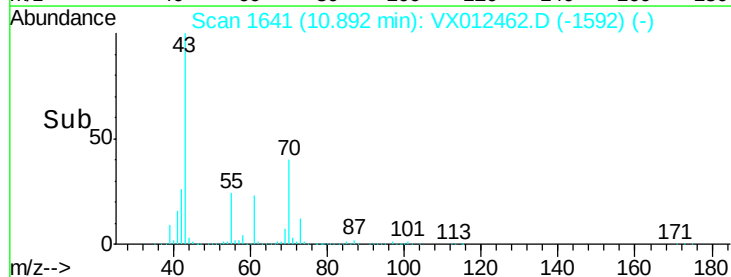
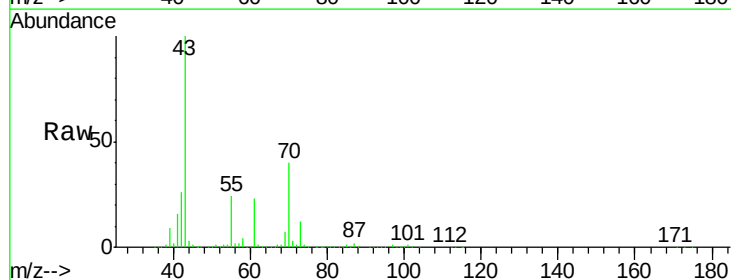
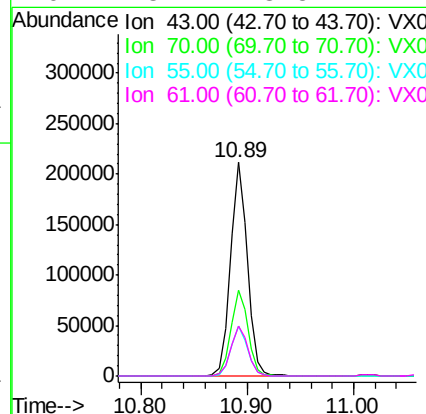
Ion Ratio Lower Upper

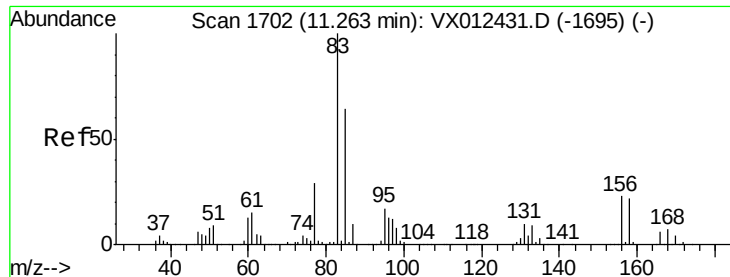
43 100

70 40.9 32.4 48.6

55 23.7 18.2 27.4

61 23.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 43.534 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

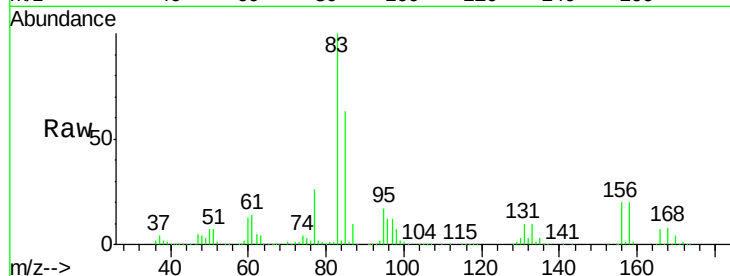
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	167825
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	65.4	32.0	96.0

Manual Integrations
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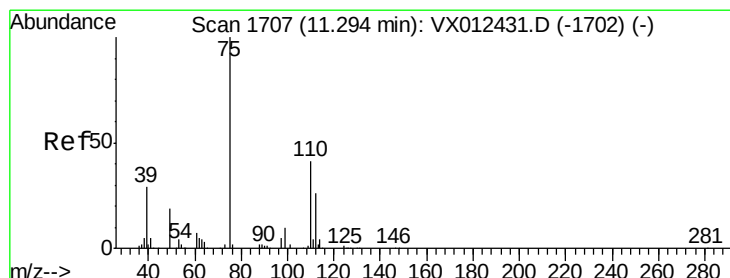
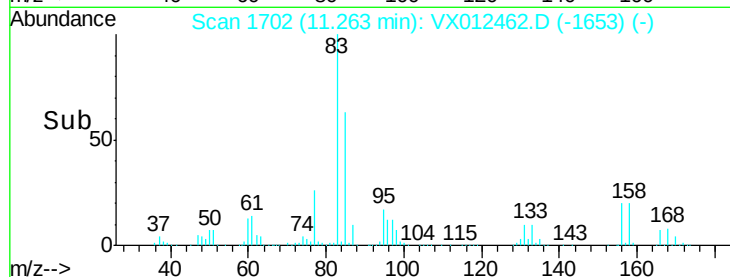
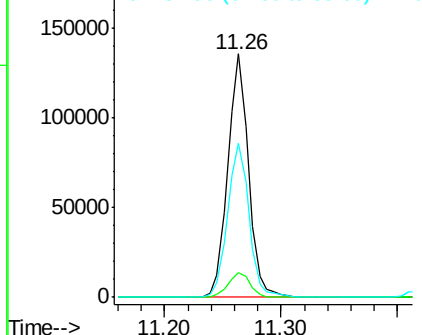
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.461 ug/l m

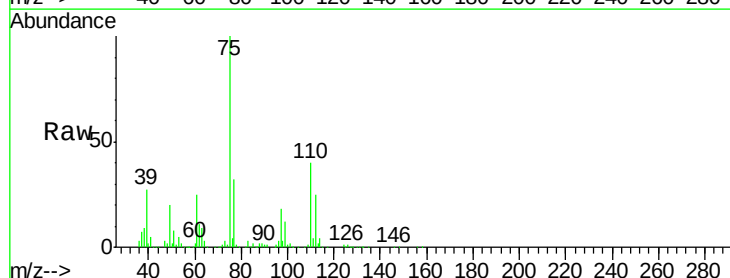
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012462.D

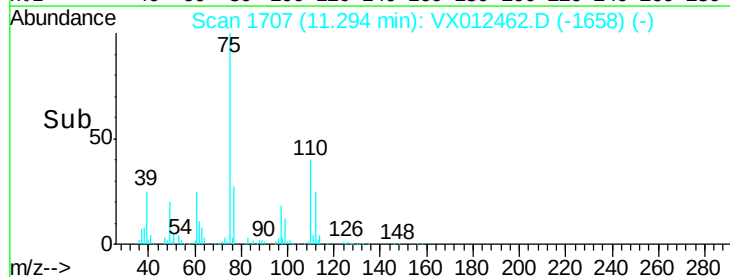
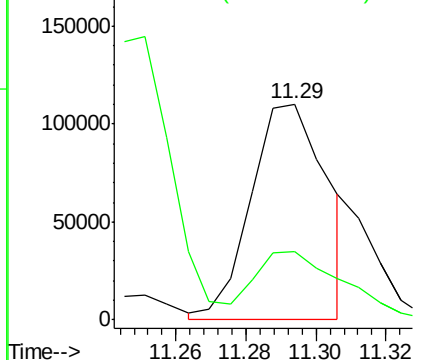
Acq: 18 Sep 2019 10:30

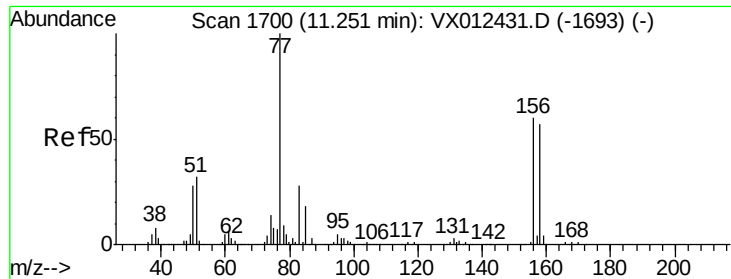
Tgt Ion:	75	Resp:	167160
Ion Ratio	Lower	Upper	
75	100		
77	36.6	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.341 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

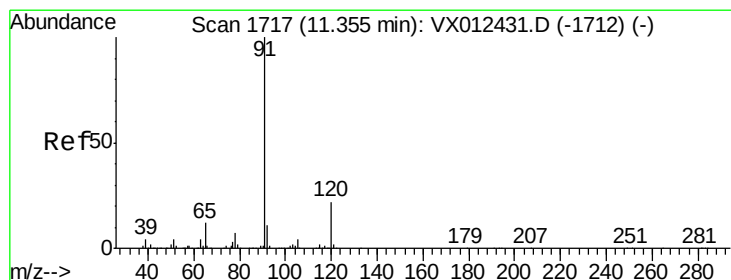
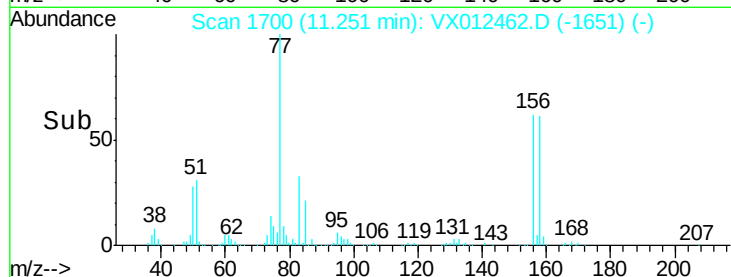
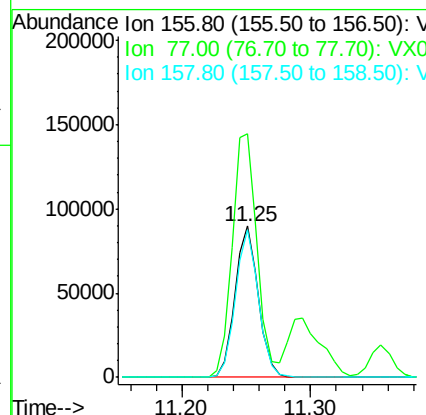
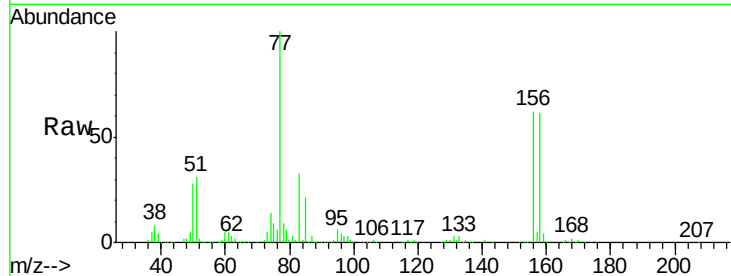
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.6	87.3	261.8
158	96.4	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.147 ug/l

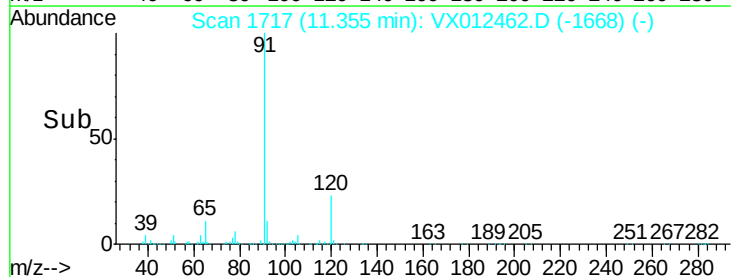
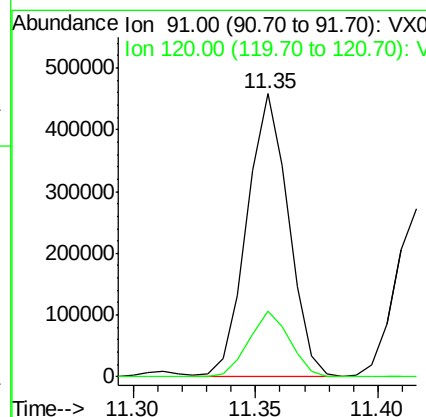
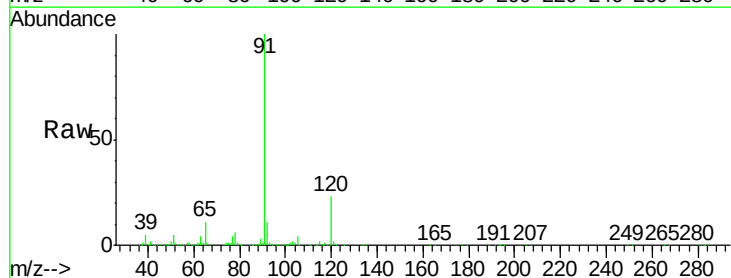
RT: 11.35 min Scan# 1717

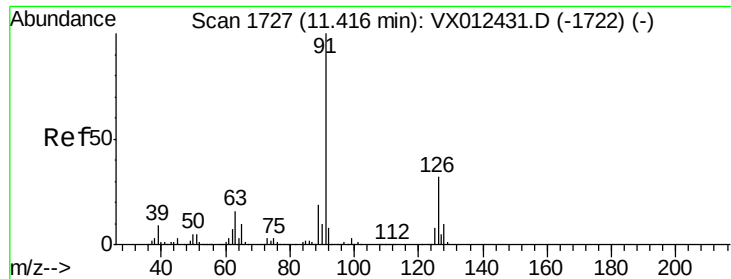
Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 46.763 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 333214

Ion Ratio Lower Upper

91 100

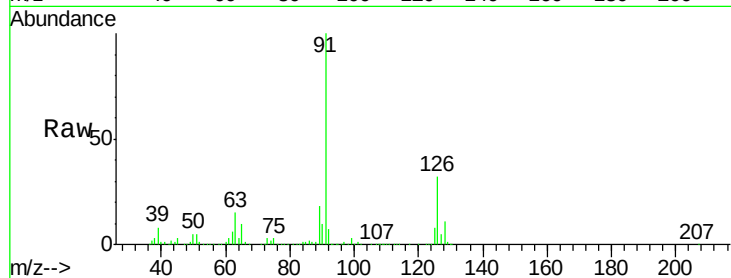
126 32.6 16.4 49.4

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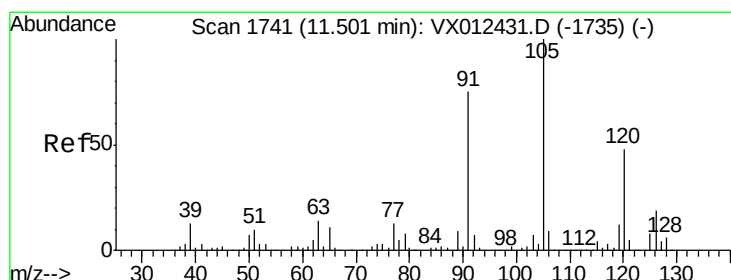
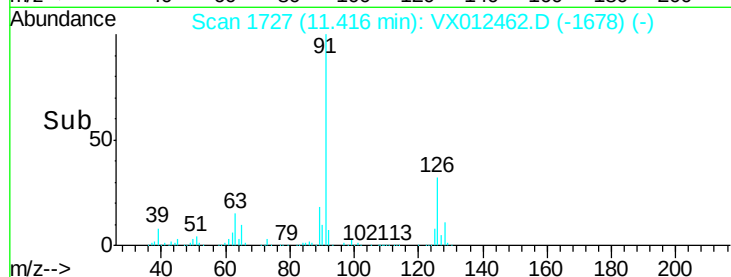
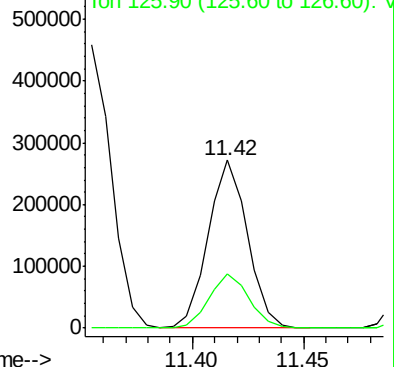
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Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.299 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012462.D

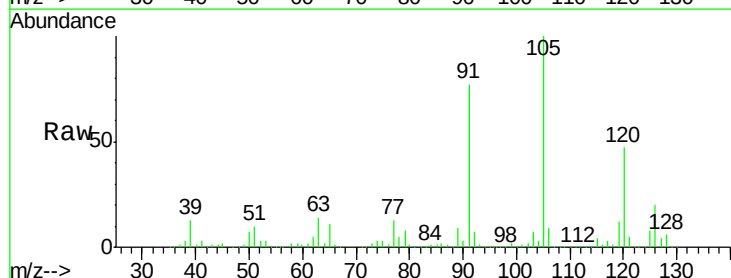
Acq: 18 Sep 2019 10:30

Tgt Ion: 105 Resp: 404806

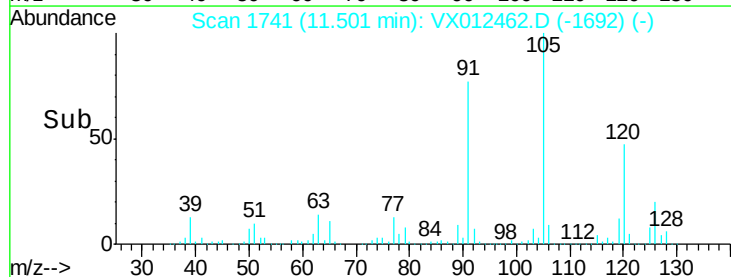
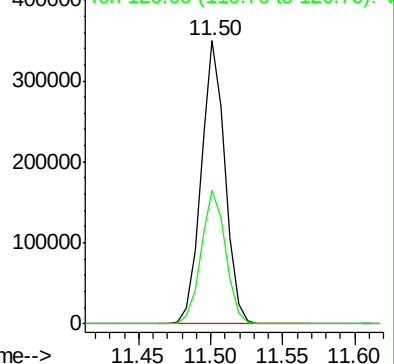
Ion Ratio Lower Upper

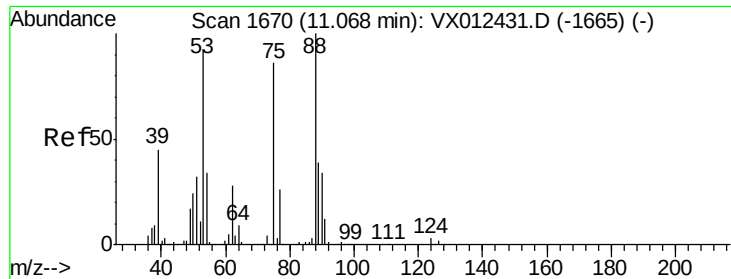
105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)





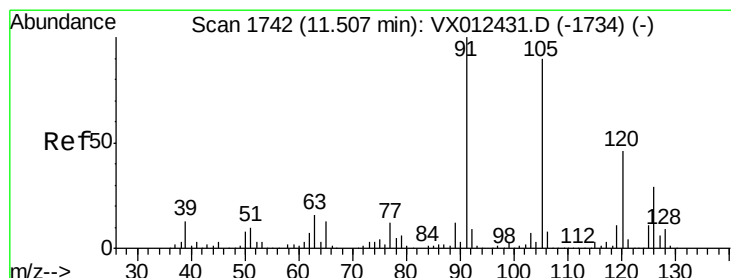
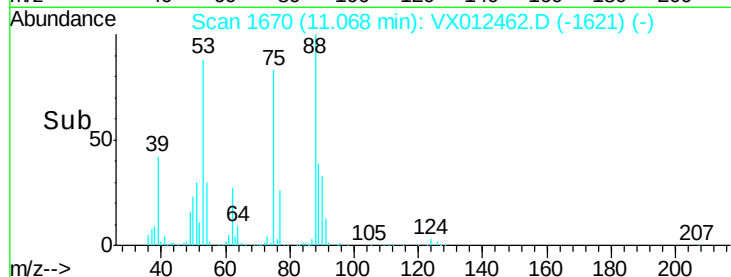
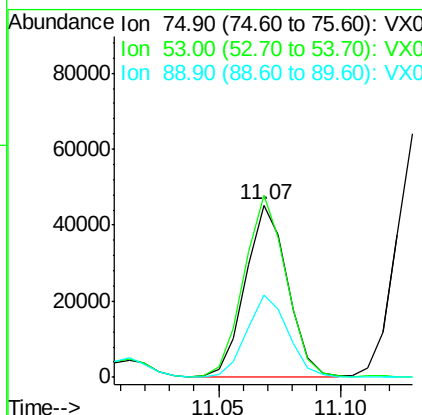
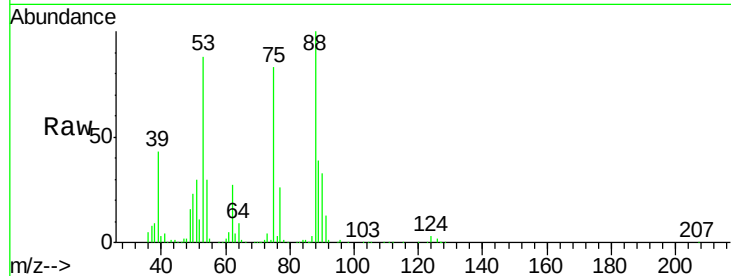
#81
trans-1,4-Dichloro-2-butene
Concen: 41.813 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	83.6	125.4
89	47.3	36.3	54.5

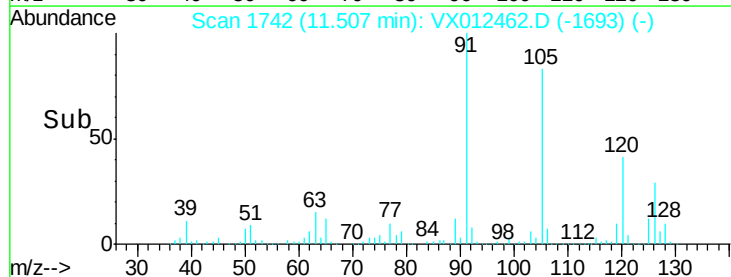
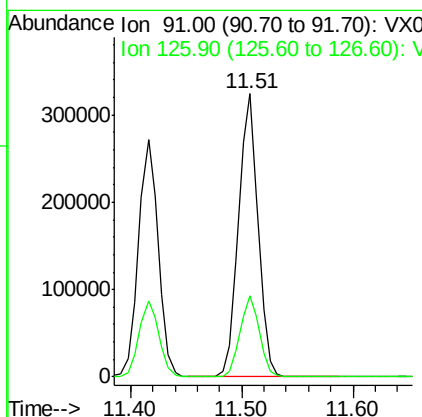
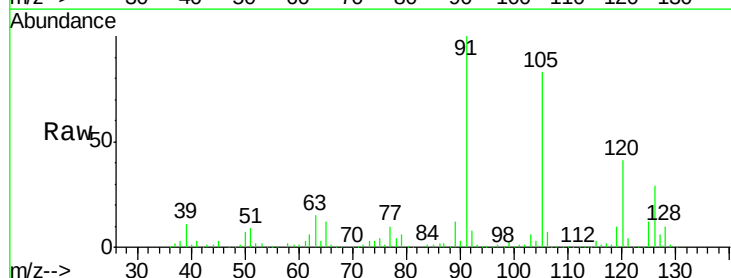
Manual Integrations
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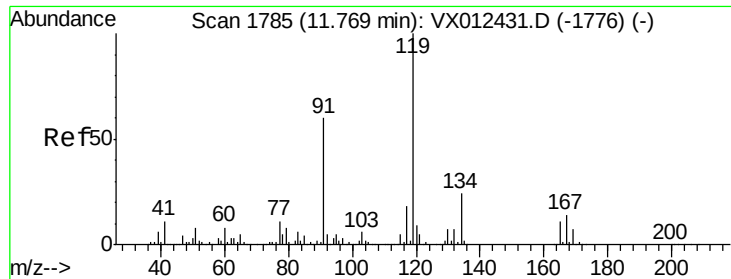
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#82
4-Chlorotoluene
Concen: 48.092 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.0





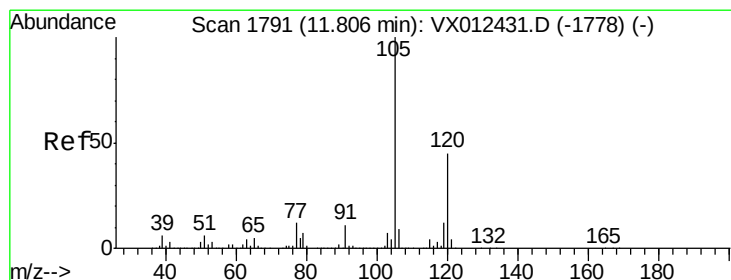
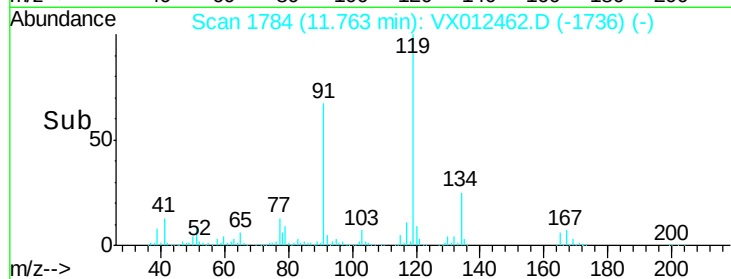
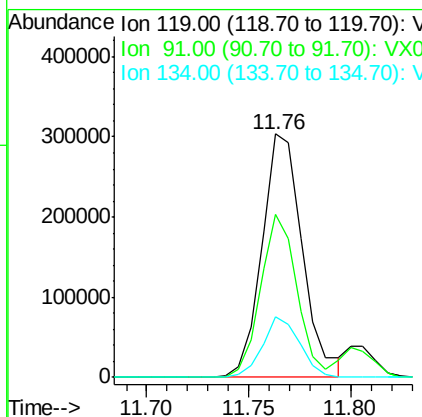
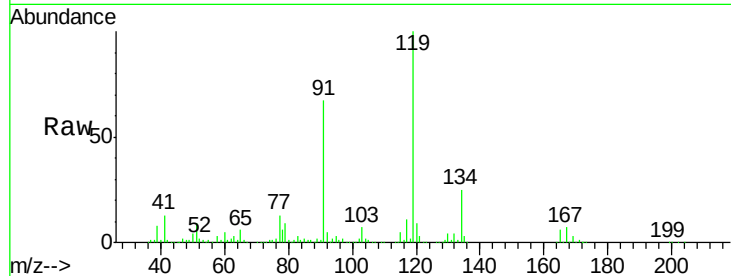
#83
 tert-Butylbenzene
 Concen: 46.713 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	419525		
91	60.1	30.0	90.0	
134	22.8	11.3	33.9	

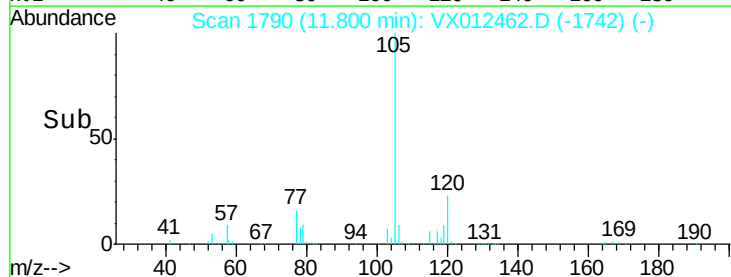
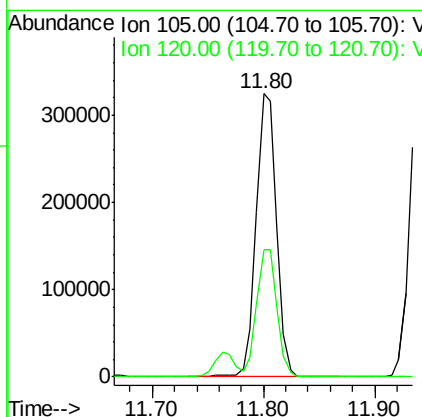
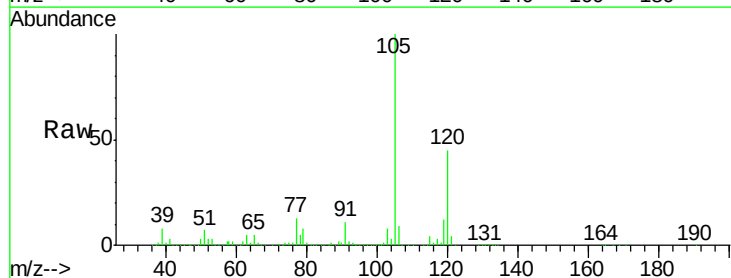
Manual Integrations
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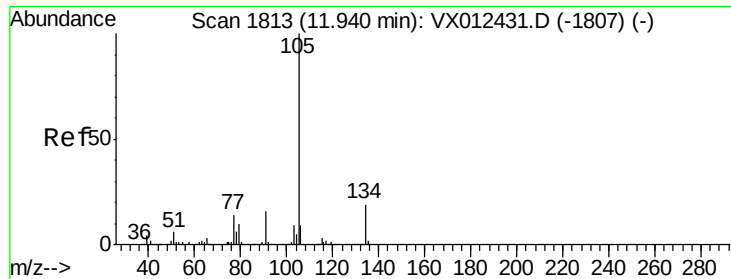
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.077 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	413730		
120	44.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 49.018 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 485089

Ion Ratio Lower Upper

105 100

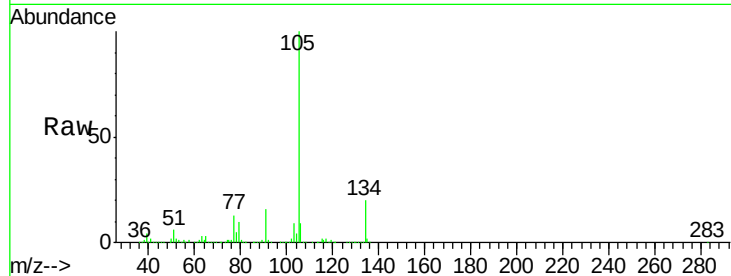
134 20.2 9.8 29.4

Manual Integrations

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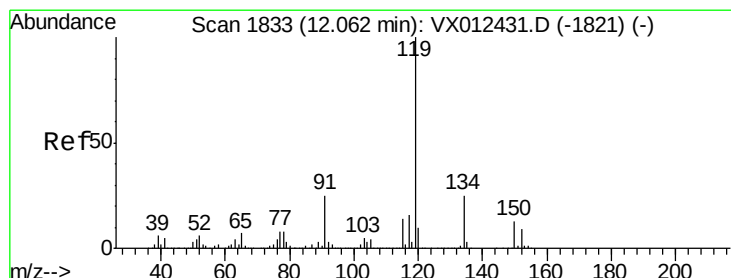
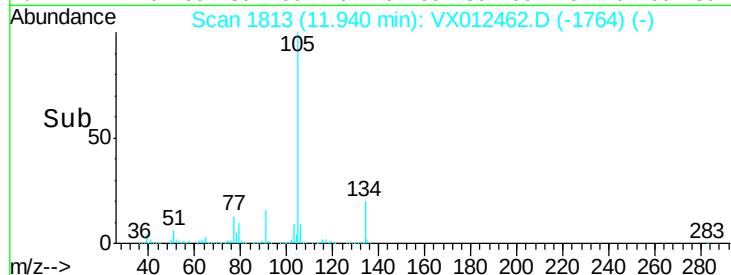
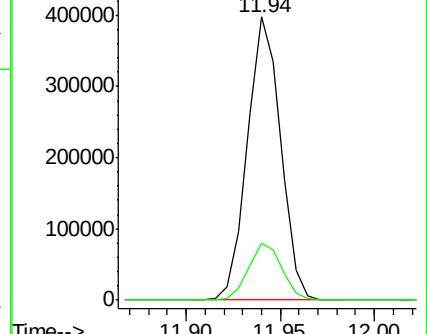
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.445 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

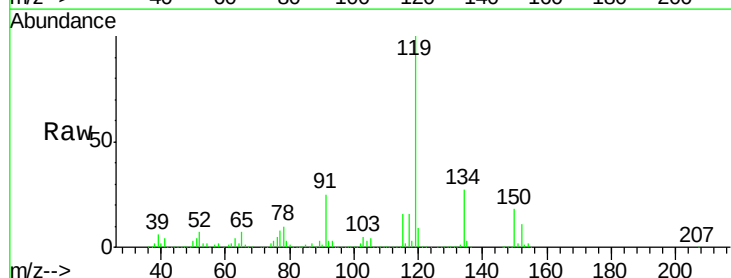
Tgt Ion:119 Resp: 449319

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

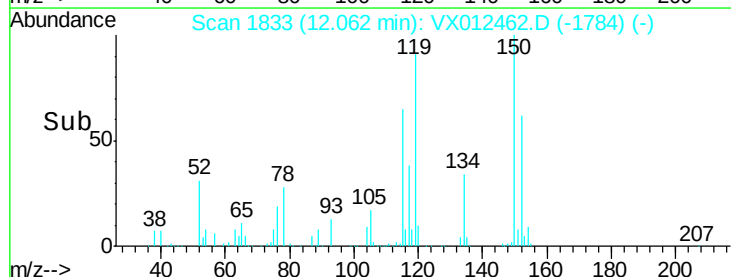
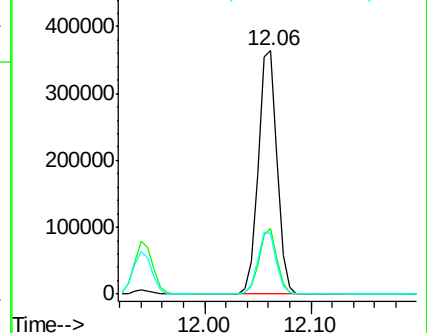
91 25.4 12.8 38.4

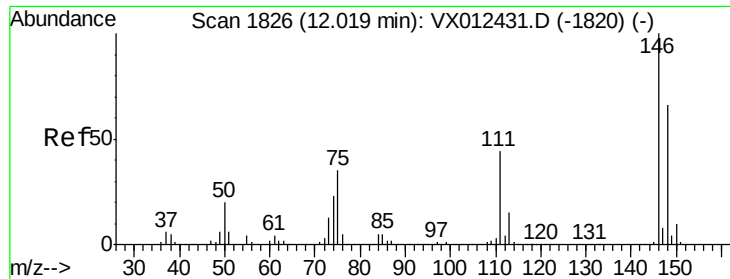


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





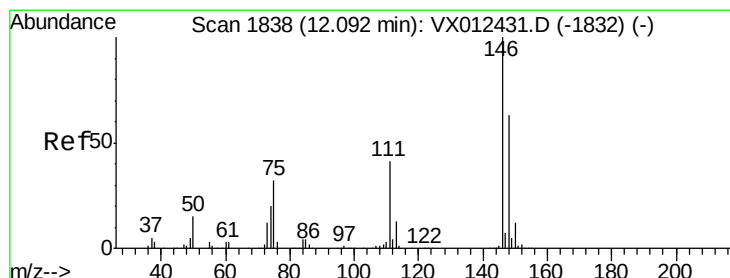
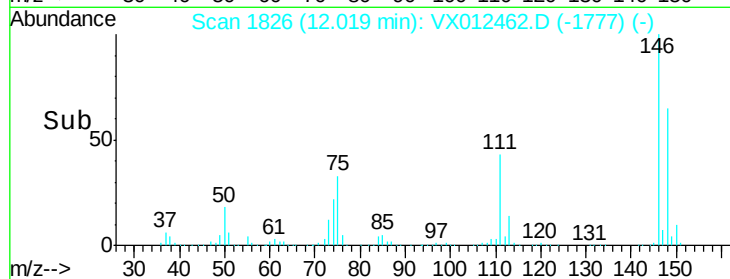
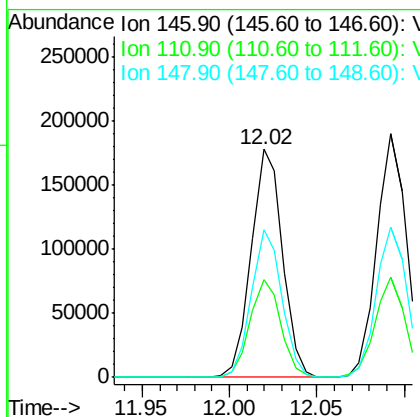
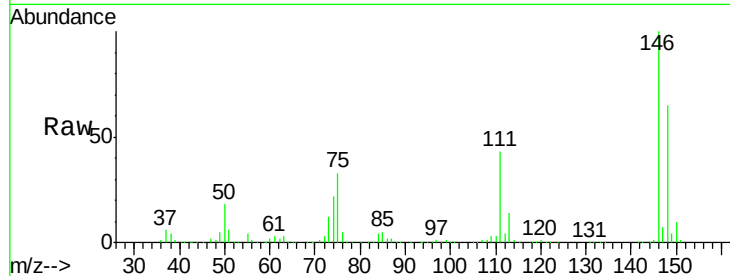
#87
 1,3-Dichlorobenzene
 Concen: 49.099 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.1	32.4	97.2

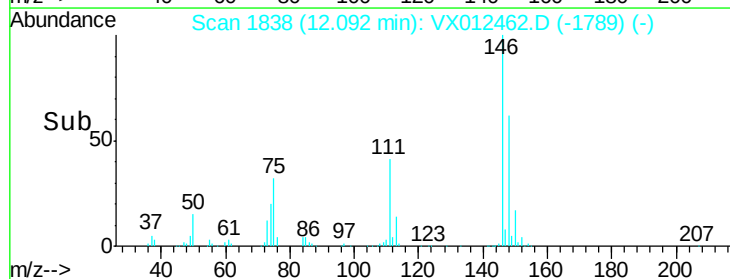
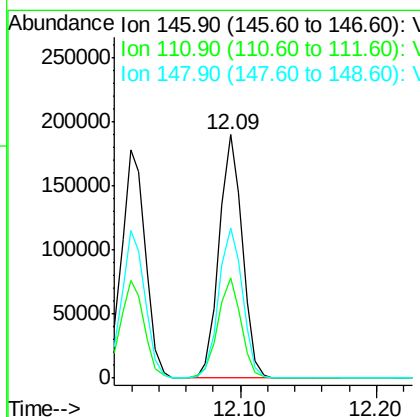
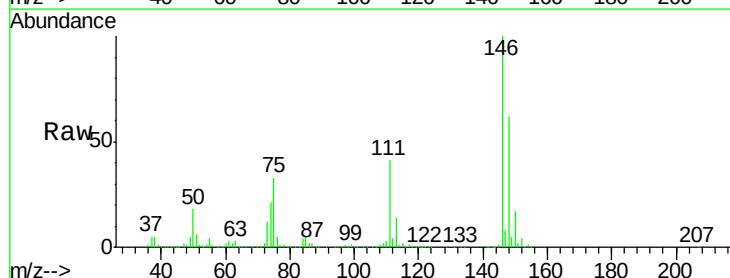
Manual Integrations
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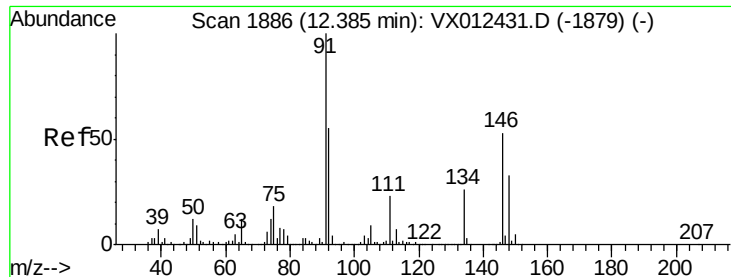
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#88
 1,4-Dichlorobenzene
 Concen: 48.410 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	63.8	32.1	96.5





#89

n-Butylbenzene

Concen: 50.070 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

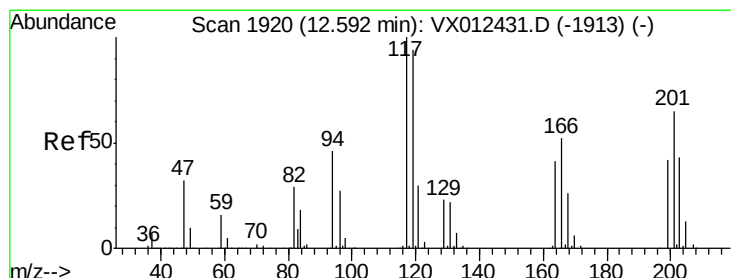
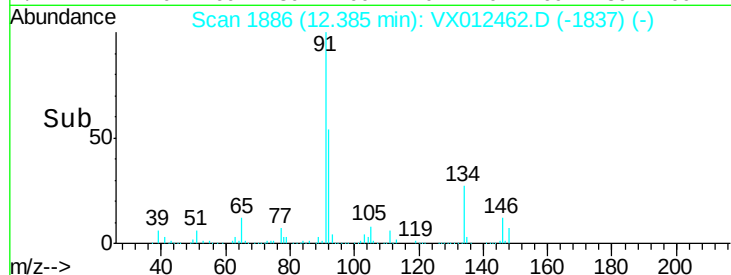
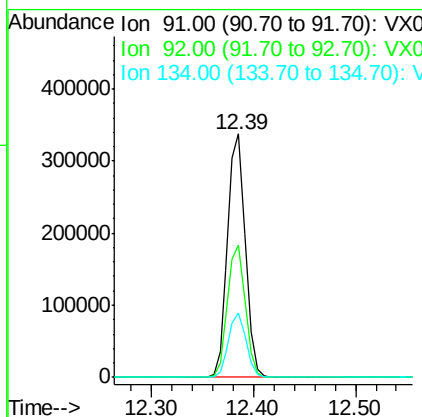
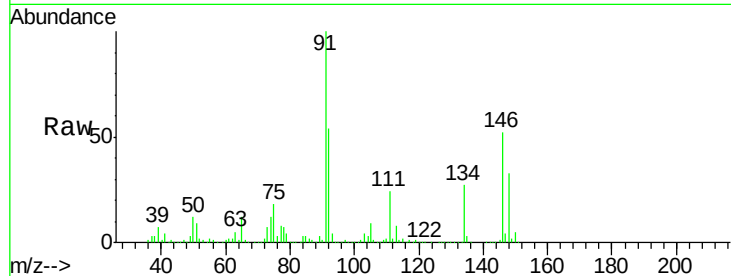
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	405971
Ion Ratio	Lower	Upper	
91	100		
92	54.4	27.7	83.0
134	26.1	12.9	38.6

Manual Integrations
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#90

Hexachloroethane

Concen: 47.762 ug/l

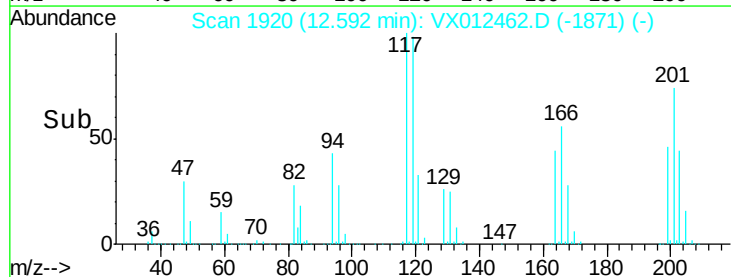
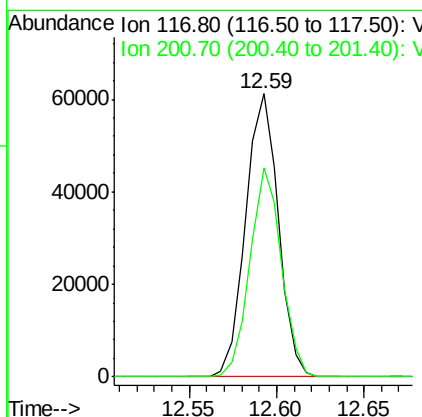
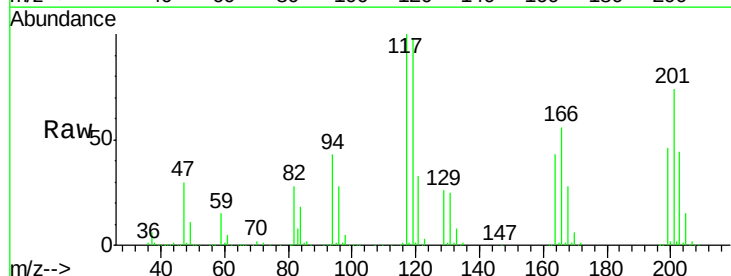
RT: 12.59 min Scan# 1920

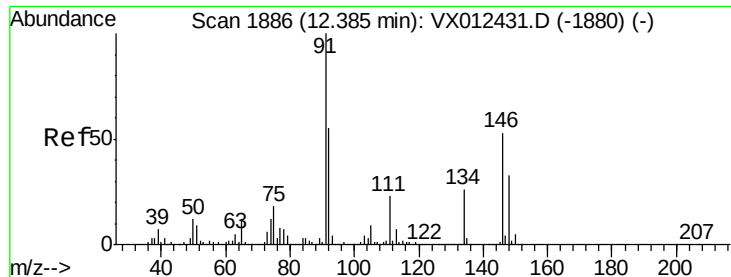
Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	117	Resp:	79582
Ion Ratio	Lower	Upper	
117	100		
201	71.2	33.3	99.8





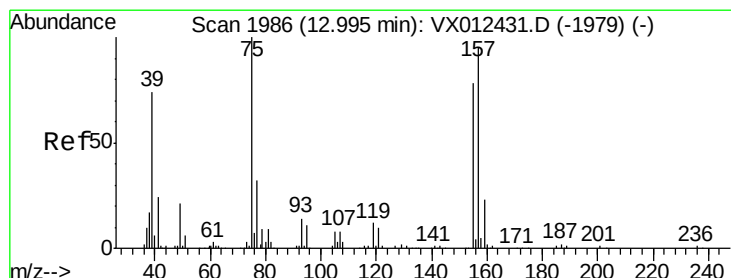
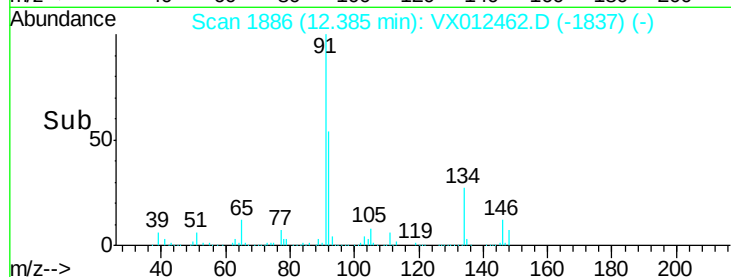
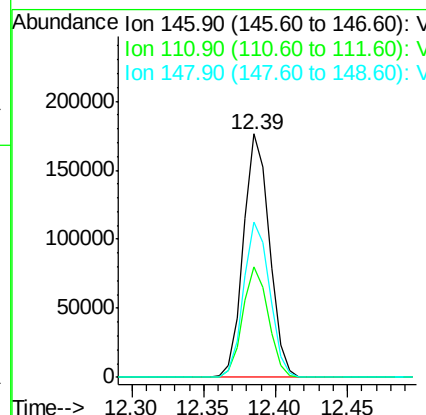
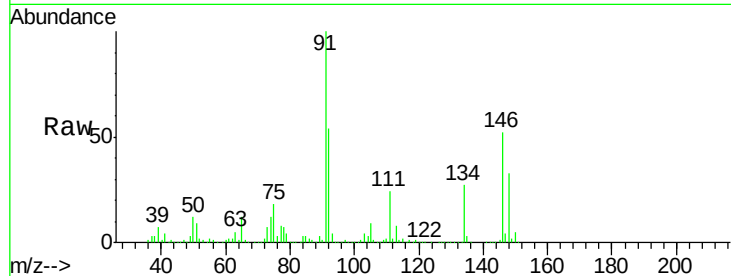
#91
 1,2-Dichlorobenzene
 Concen: 47.023 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	221578		
111	44.7	22.1	66.1	
148	63.9	31.3	93.9	

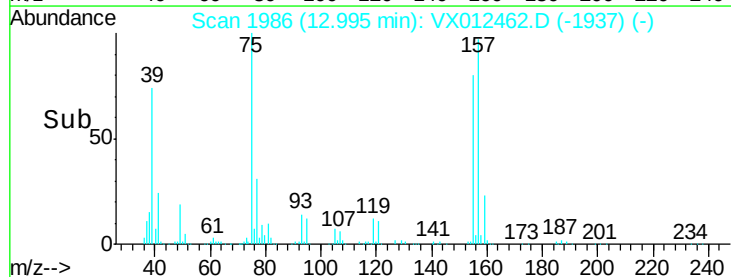
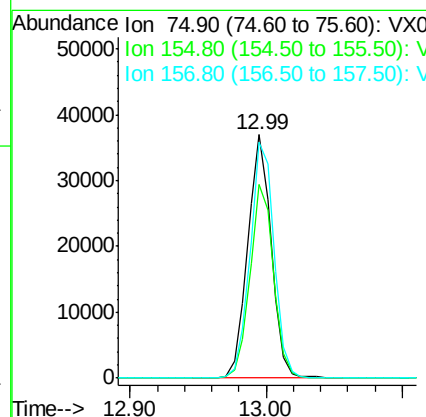
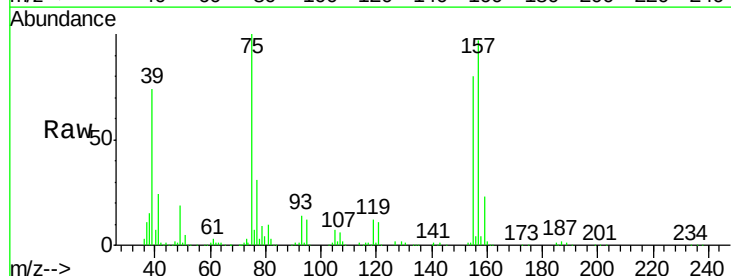
Manual Integrations
 APPROVED

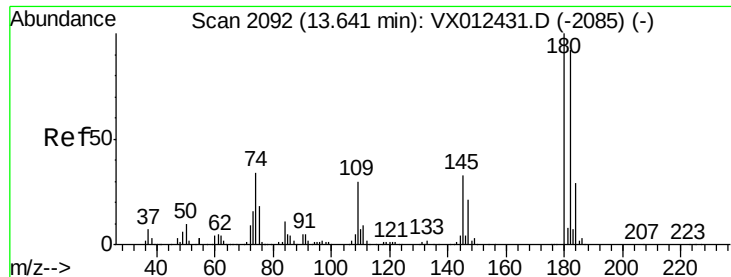
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.482 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44457		
155	79.9	38.6	115.8	
157	99.5	50.6	151.9	





#93

1,2,4-Trichlorobenzene

Concen: 52.053 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

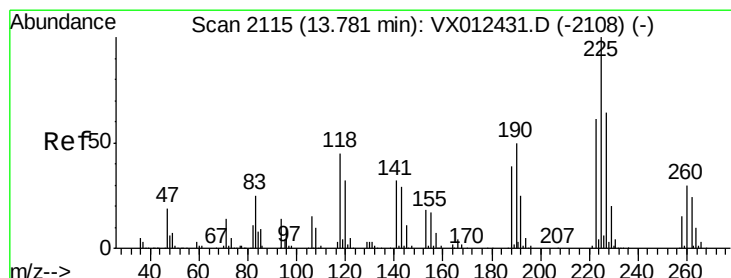
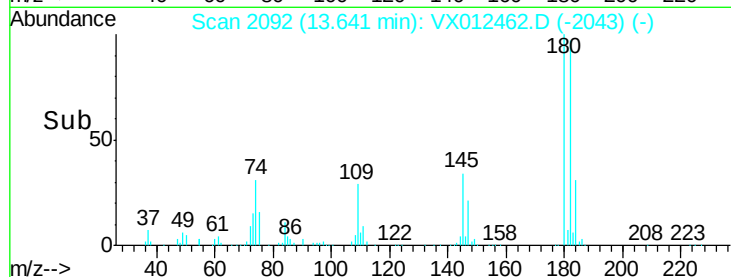
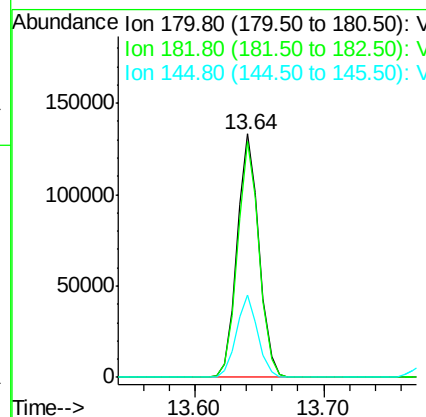
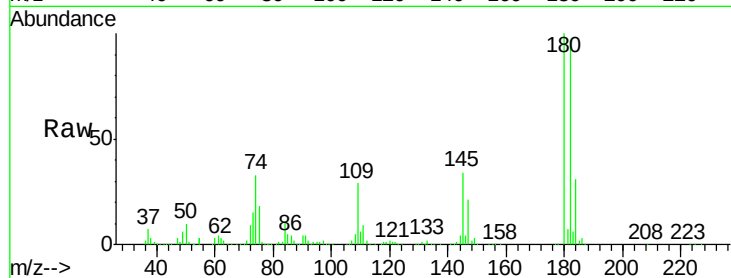
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	157991
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.0	141.0
145	33.1	16.8	50.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 47.318 ug/l

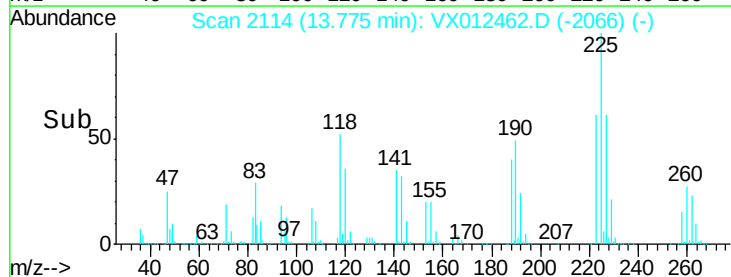
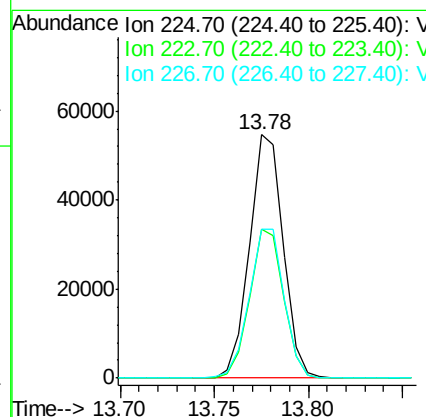
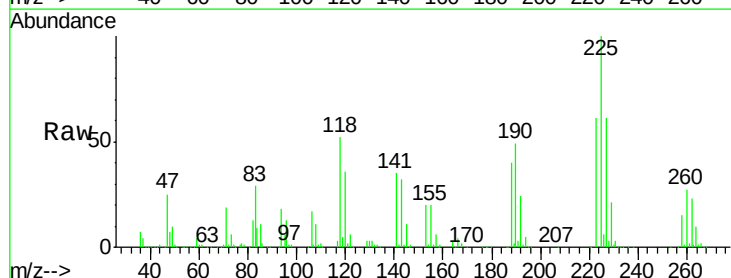
RT: 13.78 min Scan# 2114

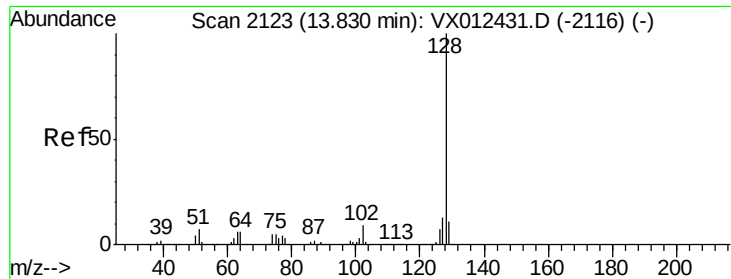
Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	225	Resp:	67690
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.0	96.2
227	63.3	31.9	95.5





#95

Naphthalene

Concen: 49.752 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

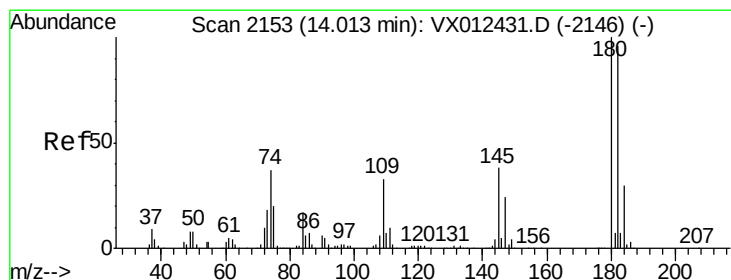
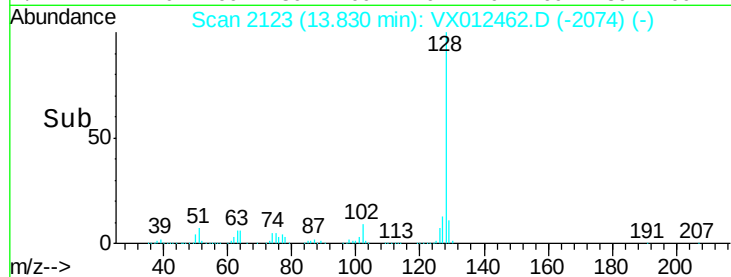
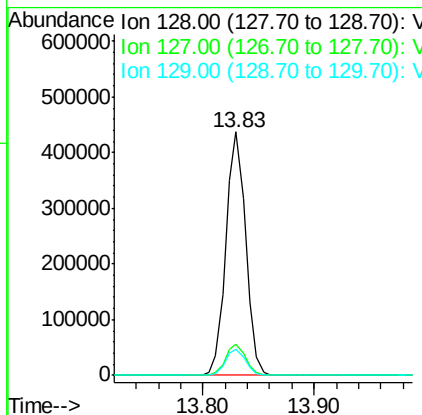
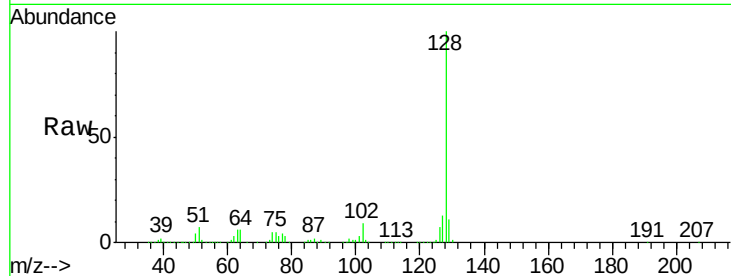
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	537310
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:04:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.487 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion:	180	Resp:	159246
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.1	141.3
145	35.5	18.0	54.0

