

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012143.D
 Acq On : 06 Sep 2019 12:47
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:18 AM

Quant Time: Sep 07 01:20:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	125194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	229994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	87572	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.48	113	69623	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	259505	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	114186	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57782	50.050	ug/l	96
3) Chloromethane	1.31	50	62373	52.753	ug/l	100
4) Vinyl Chloride	1.39	62	59861	53.813	ug/l	98
5) Bromomethane	1.62	94	34412	62.360	ug/l	98
6) Chloroethane	1.71	64	37692	54.505	ug/l	97
7) Trichlorofluoromethane	1.92	101	93796	54.287	ug/l	98
8) Diethyl Ether	2.17	74	32822	54.972	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66809	52.206	ug/l #	84
10) Methyl Iodide	2.50	142	54103	42.910	ug/l	94
11) Tert butyl alcohol	3.03	59	35959	216.725	ug/l	97
12) 1,1-Dichloroethene	2.36	96	65275	52.950	ug/l	93
13) Acrolein	2.28	56	9480	224.114	ug/l	97
14) Allyl chloride	2.72	41	121144	54.309	ug/l	96
15) Acrylonitrile	3.12	53	91266	243.254	ug/l	98
16) Acetone	2.43	43	101831	246.628	ug/l	99
17) Carbon Disulfide	2.56	76	192454	53.418	ug/l	100
18) Methyl Acetate	2.76	43	48897	50.271	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	207297	51.651	ug/l	98
20) Methylene Chloride	2.84	84	83523	50.375	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	75790	52.390	ug/l	90
22) Diisopropyl ether	3.84	45	243998	53.665	ug/l	97
23) Vinyl Acetate	3.79	43	791777	269.203	ug/l	97
24) 1,1-Dichloroethane	3.68	63	141649	53.717	ug/l	99
25) 2-Butanone	4.65	43	133360	253.738	ug/l	96
26) 2,2-Dichloropropane	4.56	77	132170	54.289	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	88355	52.104	ug/l	90
28) Bromochloromethane	5.00	49	50925	48.380	ug/l #	79
29) Tetrahydrofuran	5.11	42	78372	247.494	ug/l	98
30) Chloroform	5.20	83	149195	52.729	ug/l	99
31) Cyclohexane	5.56	56	108835	51.390	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	134395	54.536	ug/l	96
36) 1,1-Dichloropropene	5.79	75	107785	53.209	ug/l	95
37) Ethyl Acetate	4.81	43	55226	50.136	ug/l	99
38) Carbon Tetrachloride	5.77	117	115447	54.086	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	117961	50.174	ug/l	91
40) Benzene	6.13	78	306983	52.789	ug/l	99
41) Methacrylonitrile	5.03	41	34632	52.720	ug/l	97
42) 1,2-Dichloroethane	6.18	62	114097	54.521	ug/l	96
43) Isopropyl Acetate	6.43	43	114610	51.170	ug/l	97
44) Trichloroethene	7.20	130	82007	52.284	ug/l	89
45) 1,2-Dichloropropane	7.50	63	78586	52.305	ug/l	99
46) Dibromomethane	7.65	93	46139	52.605	ug/l #	72
47) Bromodichloromethane	7.89	83	115958	52.013	ug/l #	97
48) Methyl methacrylate	7.76	41	57761	51.289	ug/l	94
49) 1,4-Dioxane	7.73	88	13727	894.130	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	285256	250.390	ug/l	97
52) Toluene	8.78	92	199194	52.645	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	118154	51.191	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	133932	52.181	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	63102	50.323	ug/l	95
56) Ethyl methacrylate	9.17	69	89181	49.652	ug/l	94
57) 1,3-Dichloropropane	9.37	76	111439	51.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	189914	234.533	ug/l	93
59) 2-Hexanone	9.48	43	208015	250.234	ug/l	97
60) Dibromochloromethane	9.57	129	76777	51.375	ug/l	99
61) 1,2-Dibromoethane	9.67	107	61538	50.788	ug/l	99
64) Tetrachloroethene	9.33	164	67226	51.331	ug/l #	84
65) Chlorobenzene	10.14	112	213342	51.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	79814	52.664	ug/l	98
67) Ethyl Benzene	10.25	91	394352	52.197	ug/l	95
68) m/p-Xylenes	10.35	106	285686	102.631	ug/l	88
69) o-Xylene	10.70	106	137996	51.124	ug/l	87
70) Styrene	10.71	104	244644	52.181	ug/l	95
71) Bromoform	10.85	173	40561	48.727	ug/l #	98
73) Isopropylbenzene	11.01	105	383054	50.692	ug/l	97
74) N-amyl acetate	10.89	43	108532	48.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	74713	47.427	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	59253m	47.087	ug/l	
77) Bromobenzene	11.25	156	86656	51.275	ug/l	69
78) n-propylbenzene	11.35	91	466410	51.090	ug/l	94
79) 2-Chlorotoluene	11.42	91	282277	51.038	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	340817	51.467	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	23888	44.879	ug/l	93
82) 4-Chlorotoluene	11.51	91	337629	51.217	ug/l	91
83) tert-Butylbenzene	11.77	119	315620	50.006	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	344071	50.554	ug/l	93
85) sec-Butylbenzene	11.94	105	387649	49.448	ug/l	94
86) p-Isopropyltoluene	12.06	119	352767	49.479	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	168962	49.893	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	169427	50.036	ug/l	94
89) n-Butylbenzene	12.38	91	341895	49.366	ug/l	96
90) Hexachloroethane	12.59	117	67632	47.509	ug/l	56
91) 1,2-Dichlorobenzene	12.38	146	152939	50.145	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14755	44.759	ug/l	65

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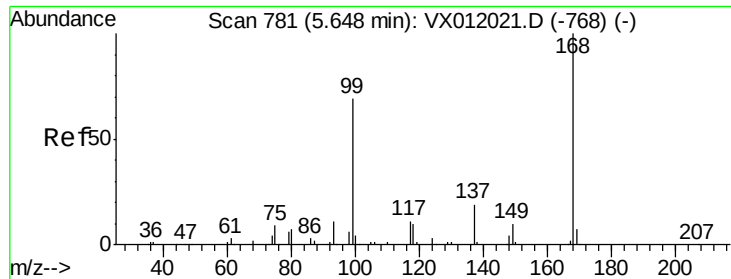
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	98251	45.259	ug/l	96
94) Hexachlorobutadiene	13.78	225	51599	47.153	ug/l	98
95) Naphthalene	13.83	128	207054	44.070	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	87355	45.739	ug/l	94

(#) = 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: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 125194

Ion Ratio Lower Upper

168 100

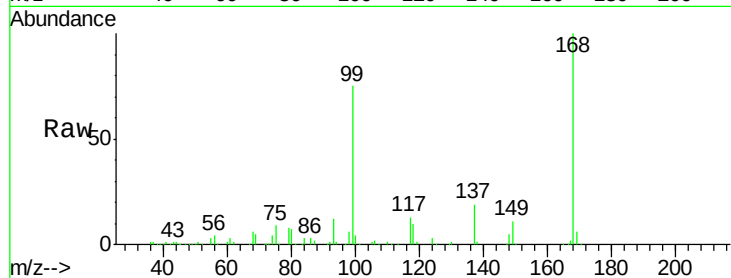
99 74.6 37.6 56.4#

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

40000

30000

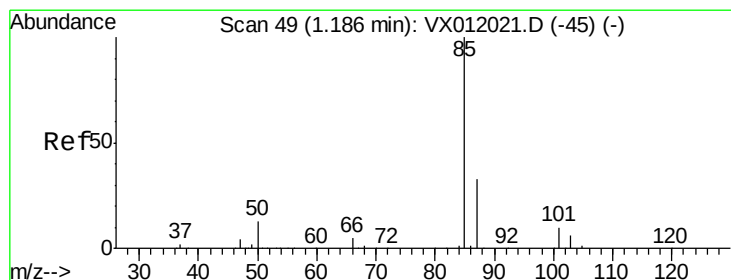
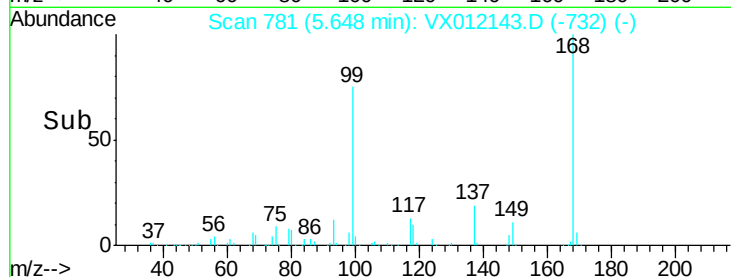
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.050 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012143.D

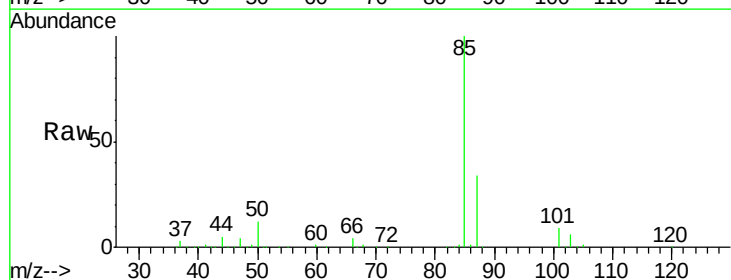
Acq: 06 Sep 2019 12:47

Tgt Ion: 85 Resp: 57782

Ion Ratio Lower Upper

85 100

87 33.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

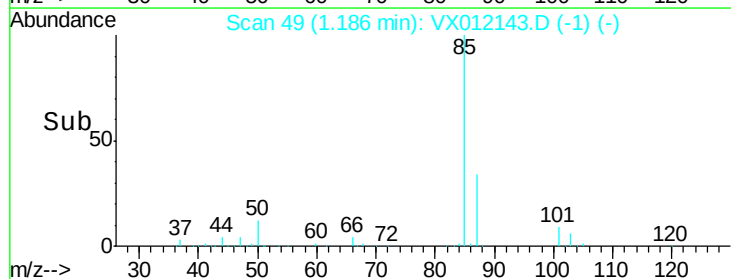
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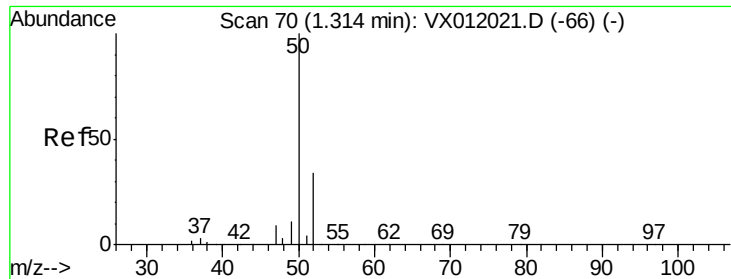
10000

0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.753 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 62373

Ion Ratio Lower Upper

50 100

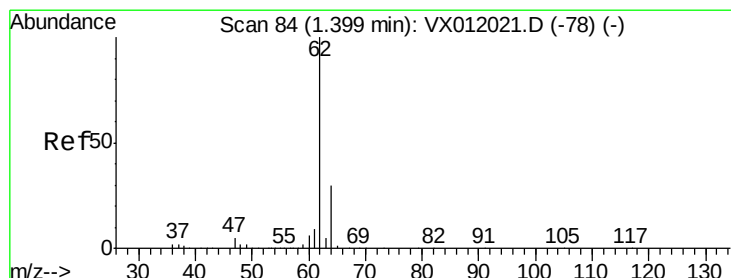
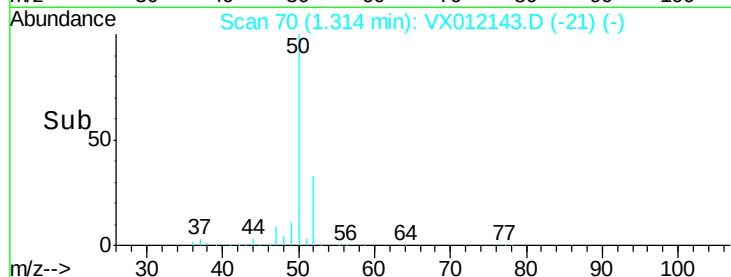
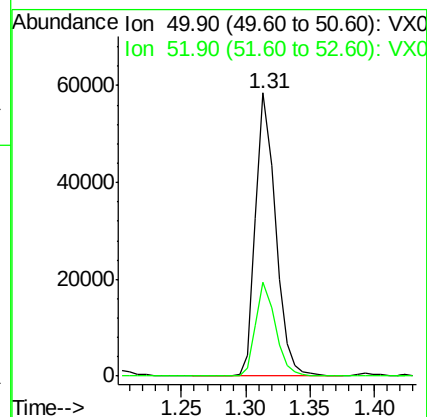
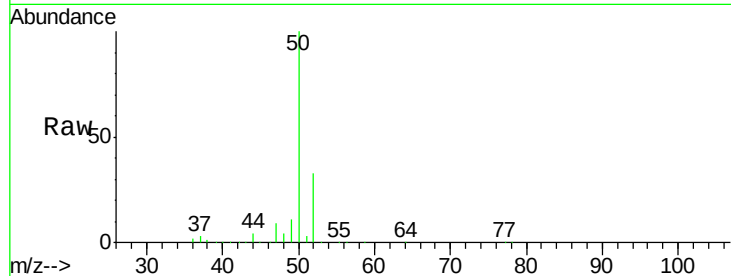
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.813 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012143.D

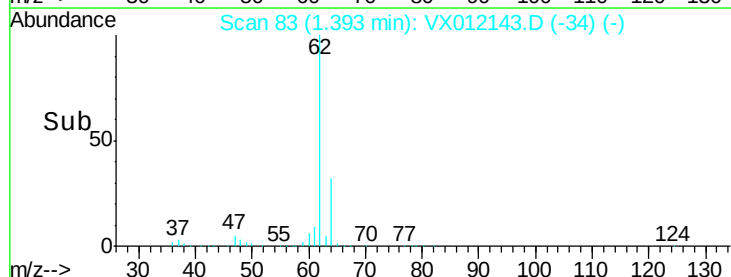
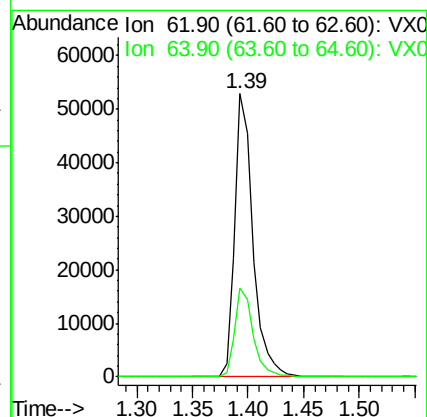
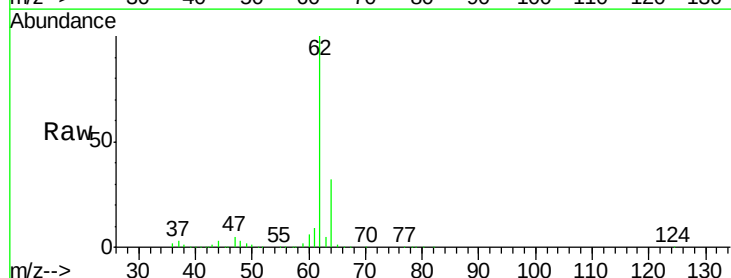
Acq: 06 Sep 2019 12:47

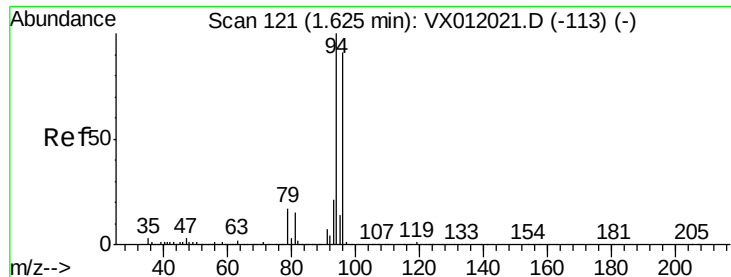
Tgt Ion: 62 Resp: 59861

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.4





#5

Bromomethane

Concen: 62.360 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 34412

Ion Ratio Lower Upper

94 100

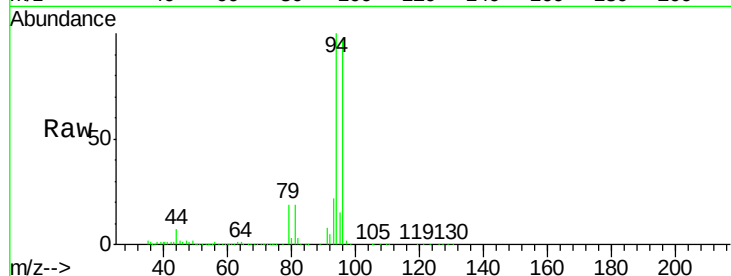
96 97.1 76.3 114.5

Manual Integrations

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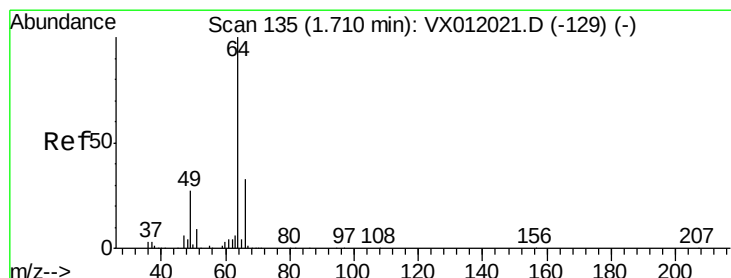
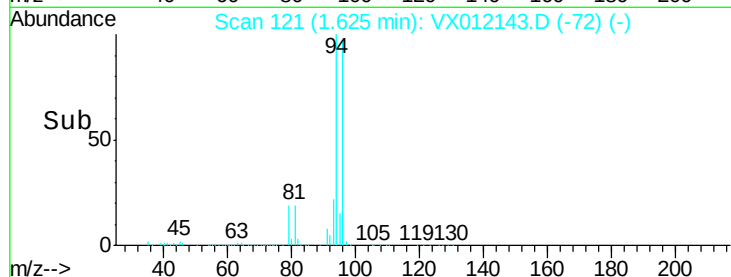
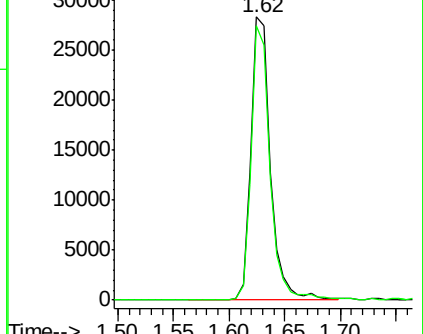
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.505 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012143.D

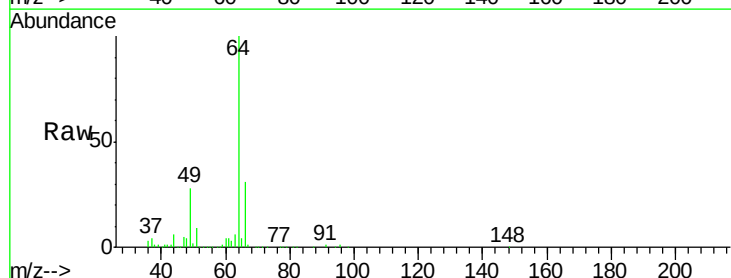
Acq: 06 Sep 2019 12:47

Tgt Ion: 64 Resp: 37692

Ion Ratio Lower Upper

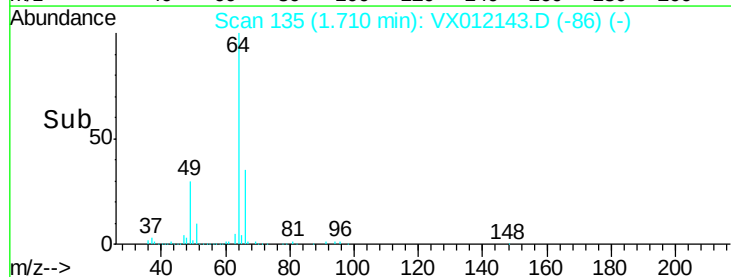
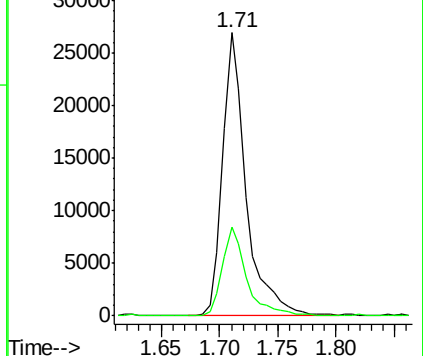
64 100

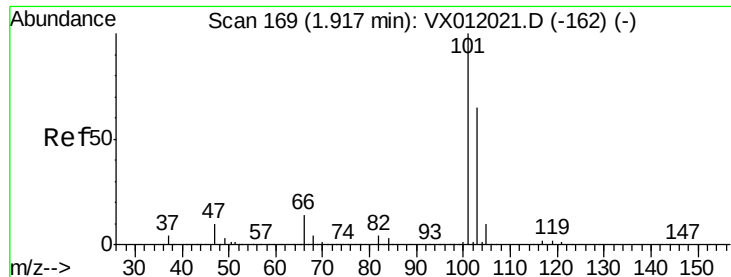
66 31.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

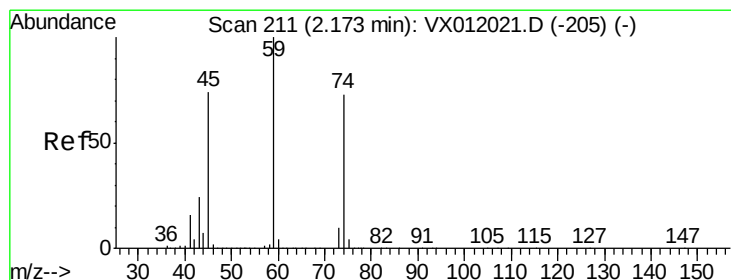
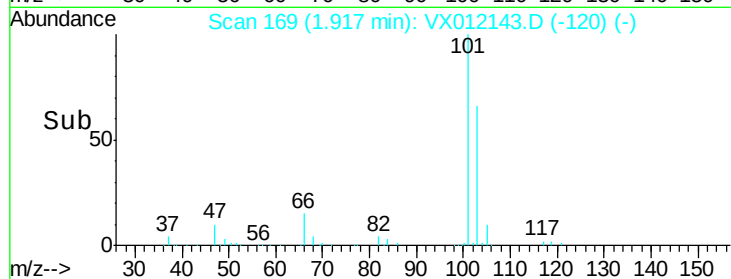
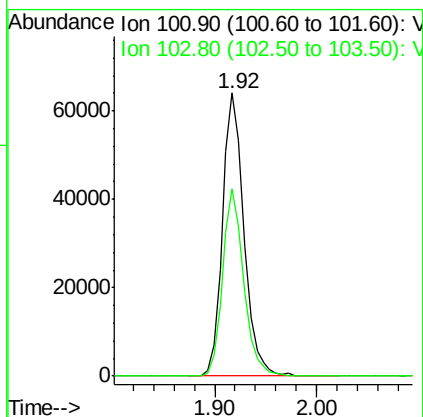
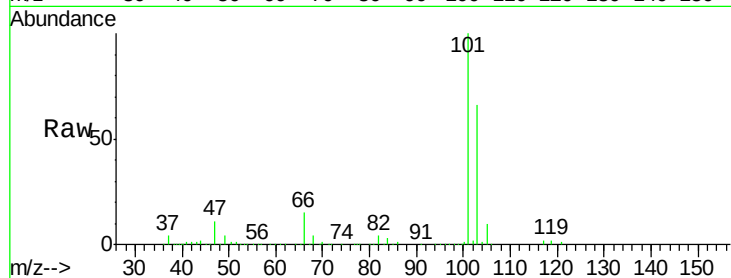
Trichlorofluoromethane
Concen: 54.287 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

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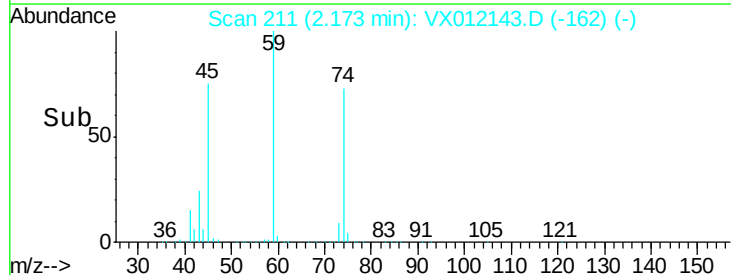
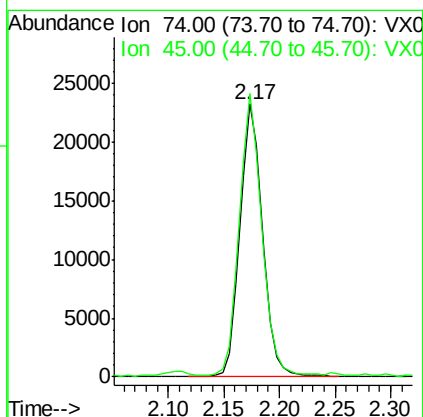
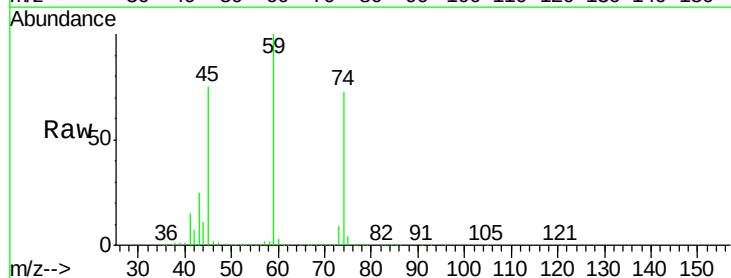
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9/9/2019 10:50:18 AM

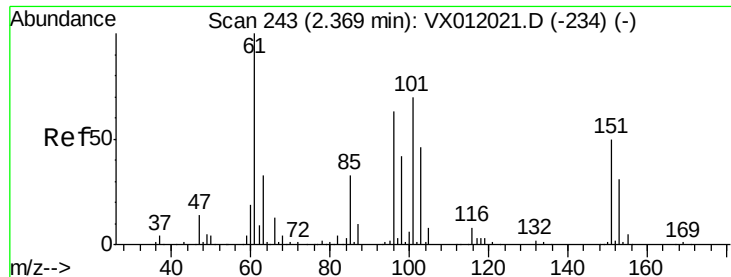


#8

Diethyl Ether
Concen: 54.972 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	45.9	137.6





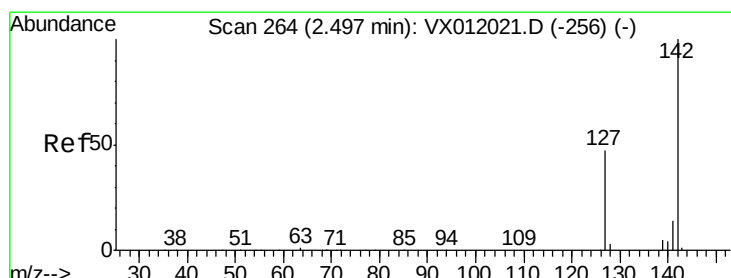
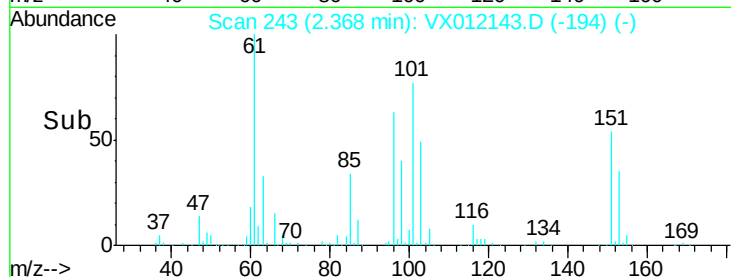
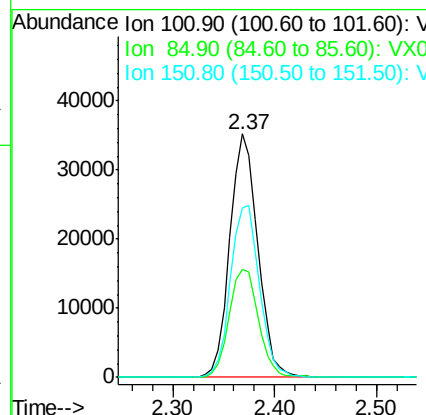
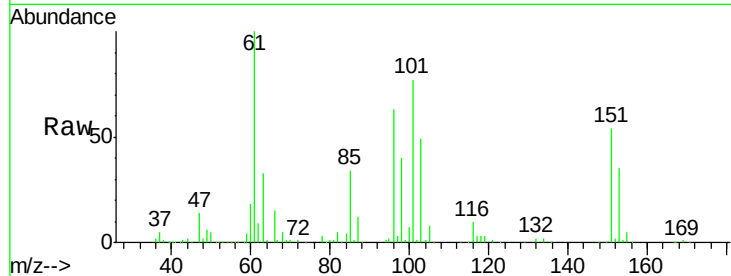
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.206 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	66809		
85	46.6		34.5	51.7
151	73.1		75.0	112.4#

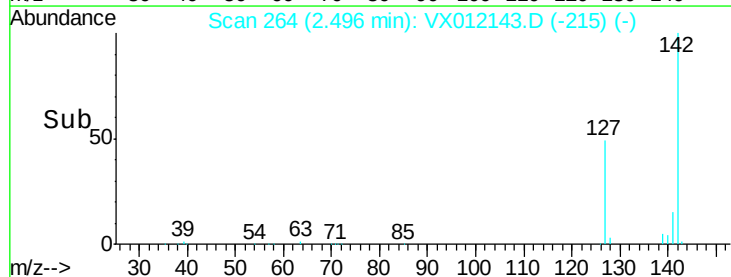
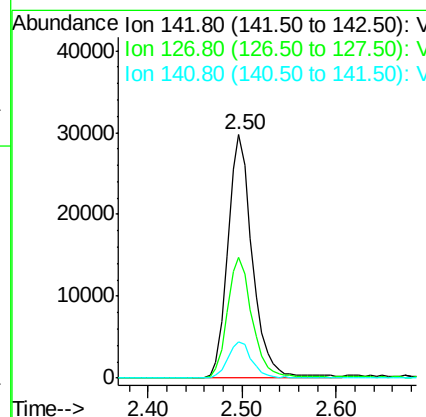
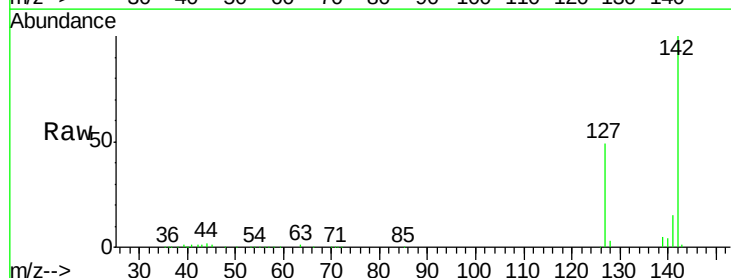
Manual Integrations
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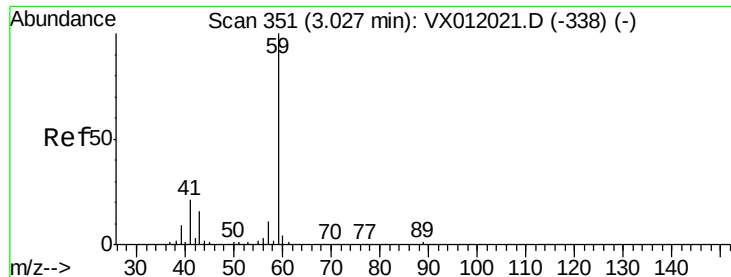
MMDadoda
 9/9/2019 10:50:18 AM



#10
 Methyl Iodide
 Concen: 42.910 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54103		
127	49.6		35.4	53.2
141	14.6		11.4	17.2





#11

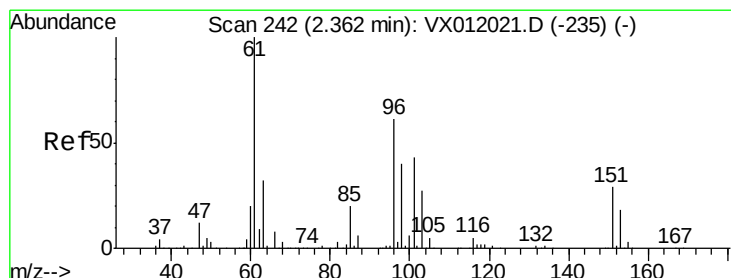
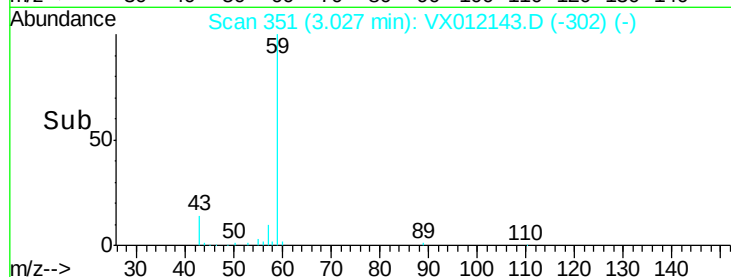
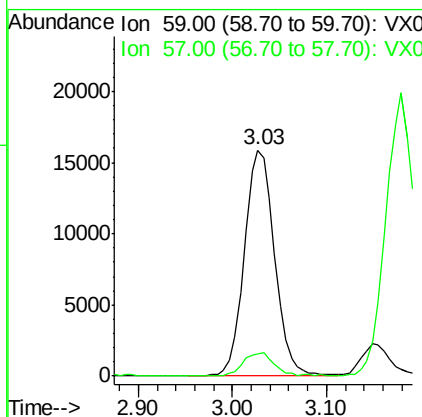
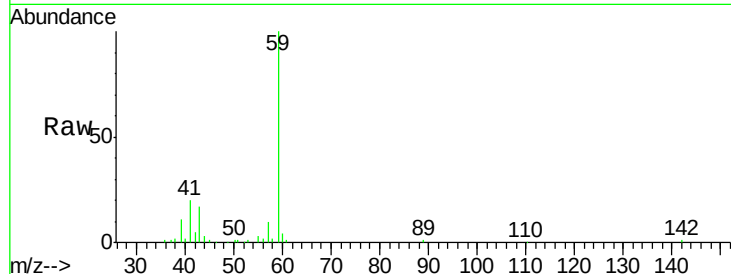
Tert butyl alcohol
 Concen: 216.725 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.9	11.9

Manual Integrations
 APPROVED

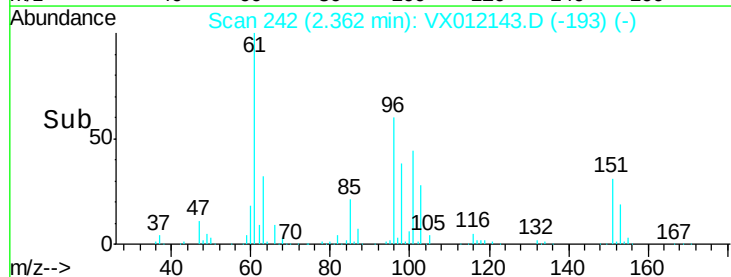
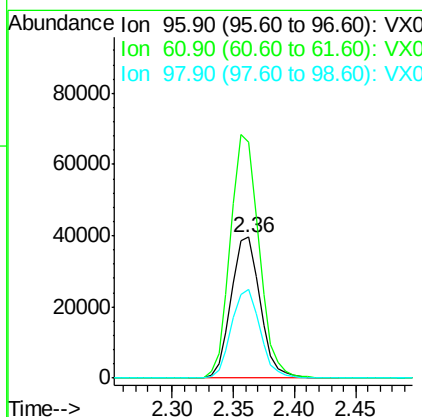
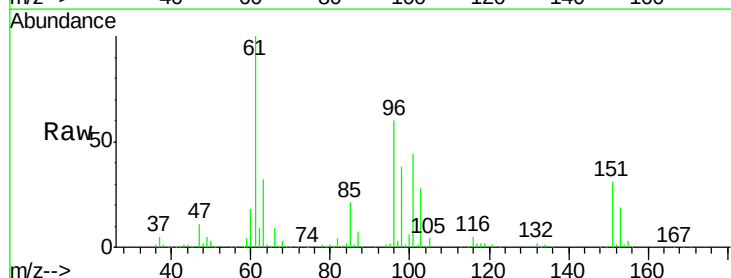
MMDadoda
 9/9/2019 10:50:18 AM

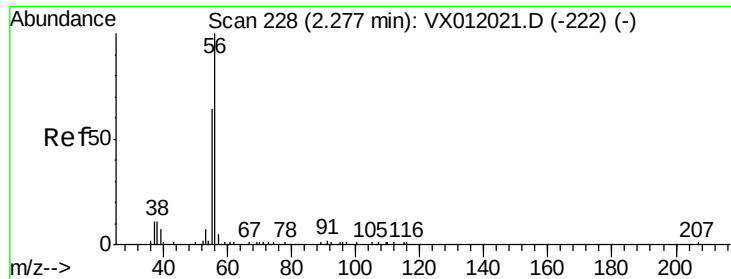


#12

1,1-Dichloroethene
 Concen: 52.950 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	124.1	186.1
98	63.1	50.2	75.2





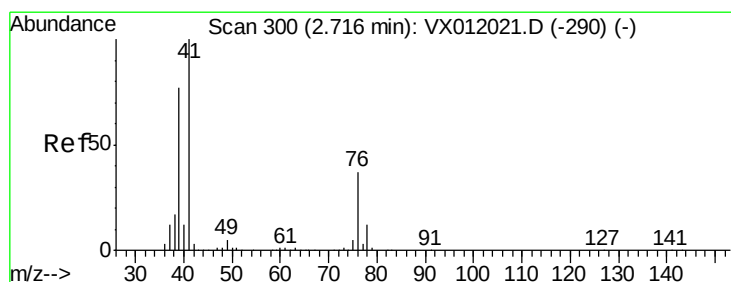
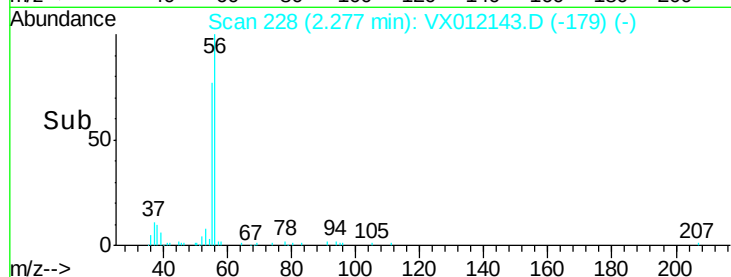
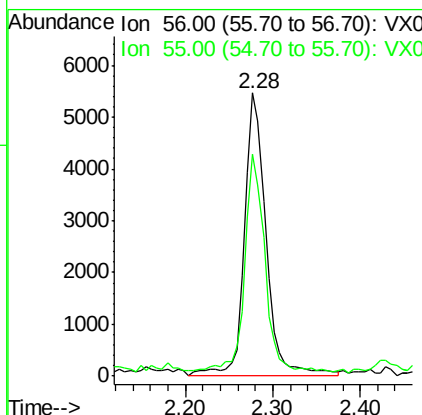
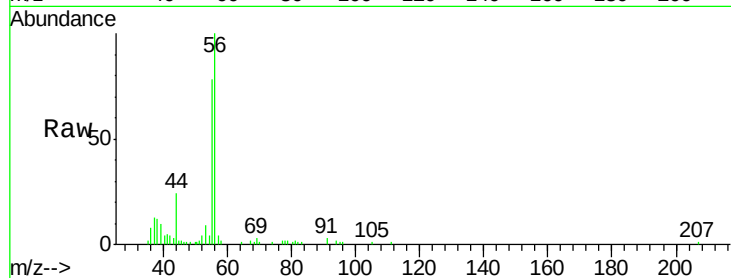
#13
Acrolein
Concen: 224.114 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	9480
Ion Ratio	100	Lower	Upper
55	71.8	59.2	88.8

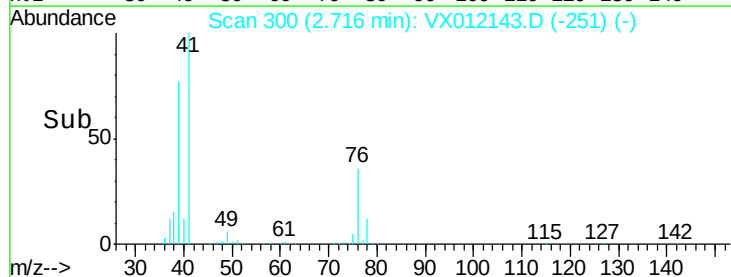
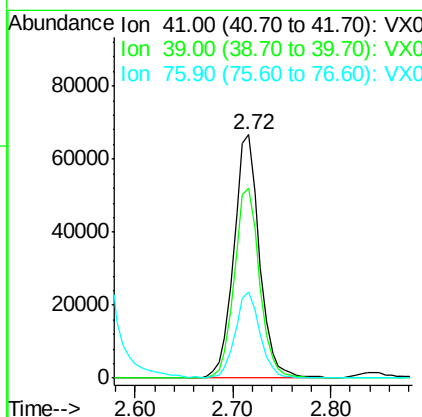
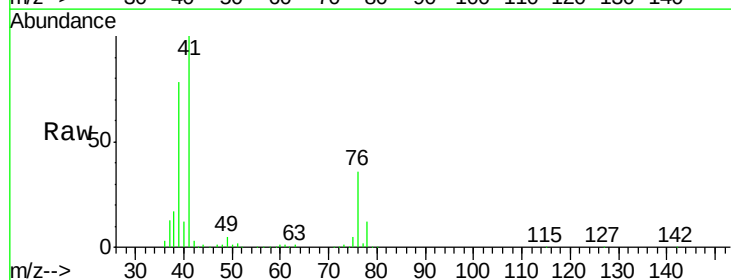
Manual Integrations
APPROVED

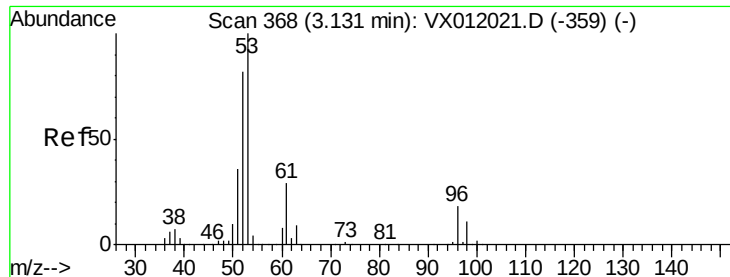
MMDadoda
9/9/2019 10:50:18 AM



#14
Allyl chloride
Concen: 54.309 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	41	Resp	121144
Ion Ratio	100	Lower	Upper
39	77.0	57.9	86.9
76	34.5	28.5	42.7





#15

Acrylonitrile

Concen: 243.254 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

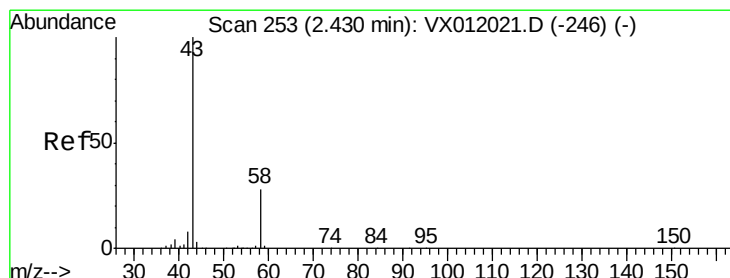
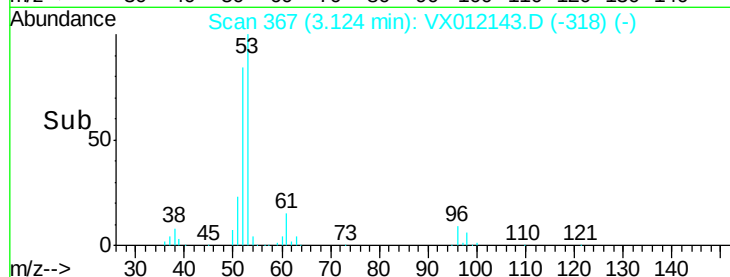
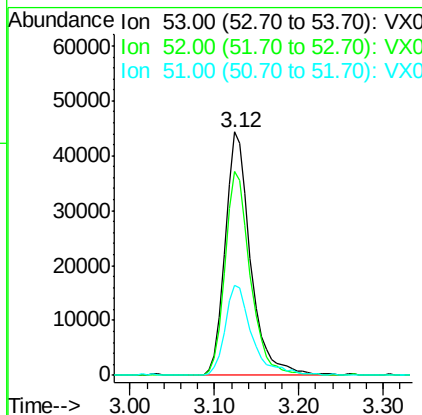
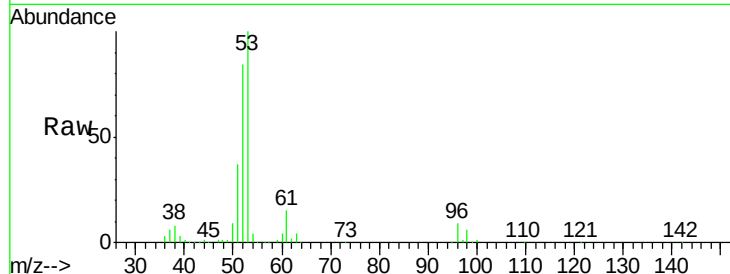
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91266
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.6	98.4
51	39.1	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 246.628 ug/l

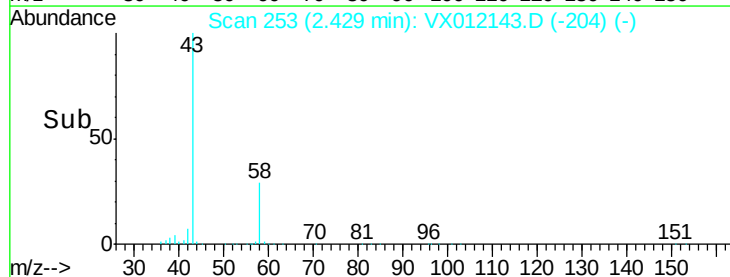
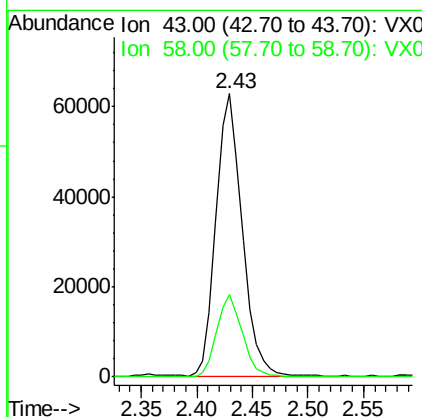
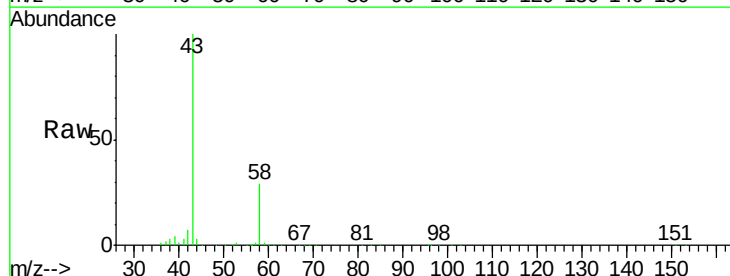
RT: 2.43 min Scan# 253

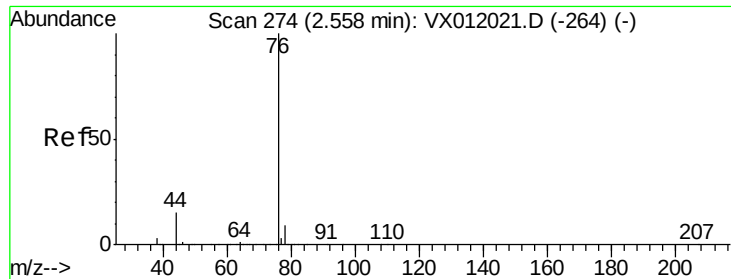
Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion:	43	Resp:	101831
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.8	34.2





#17

Carbon Disulfide

Concen: 53.418 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 192454

Ion Ratio Lower Upper

76 100

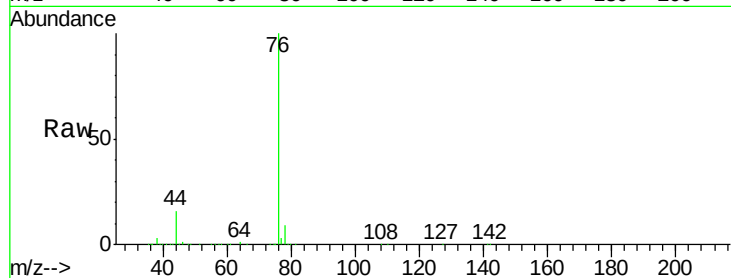
78 9.4 7.4 11.2

Manual Integrations

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9/9/2019 10:50:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

120000

100000

80000

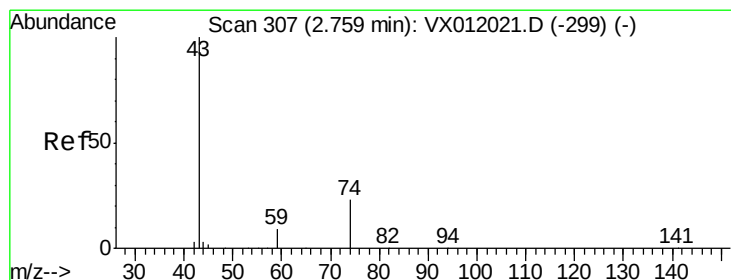
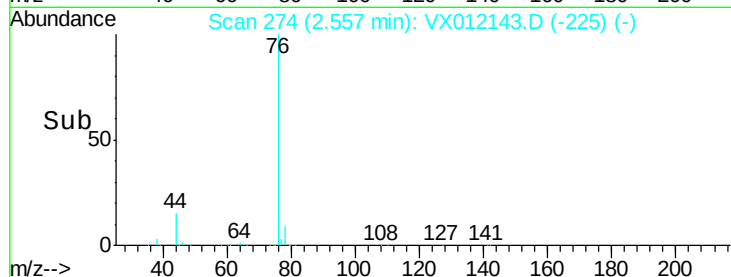
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 50.271 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012143.D

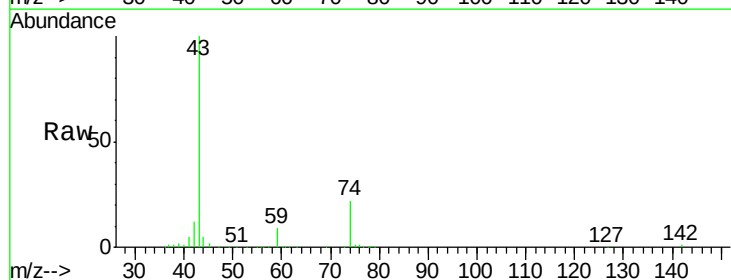
Acq: 06 Sep 2019 12:47

Tgt Ion: 43 Resp: 48897

Ion Ratio Lower Upper

43 100

74 22.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

30000

25000

20000

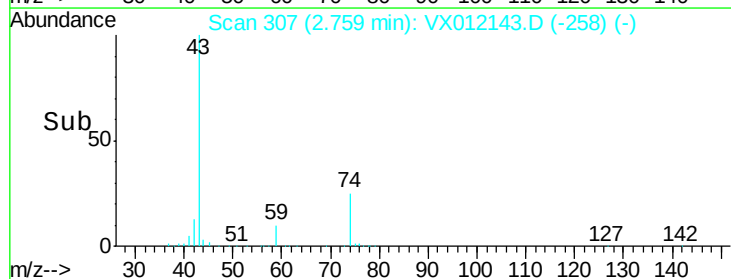
15000

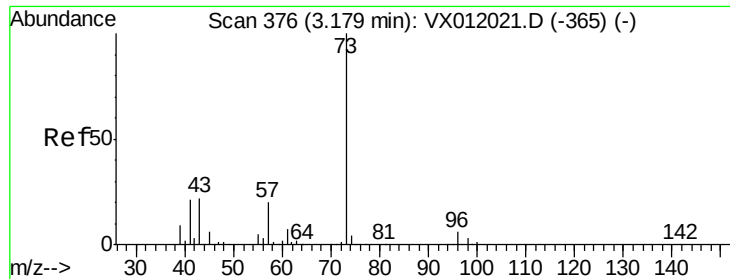
10000

5000

0

Time-->





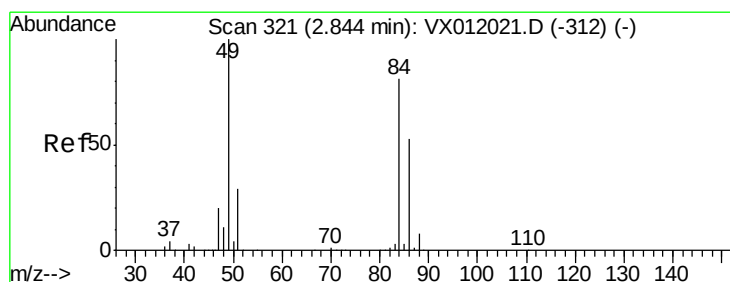
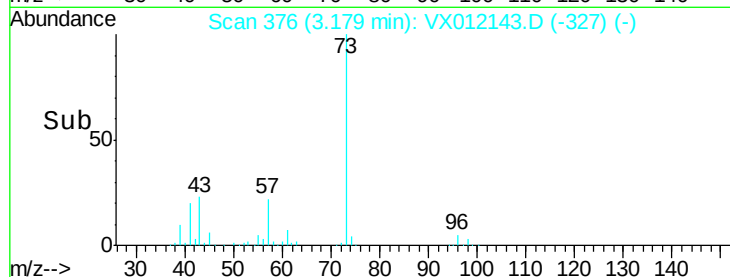
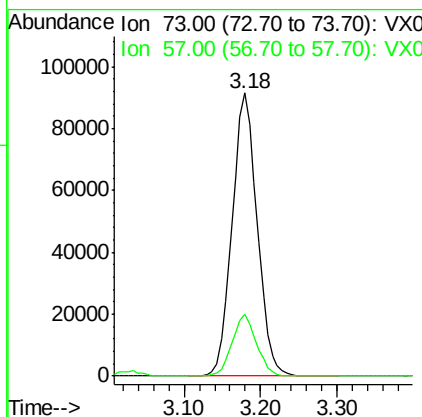
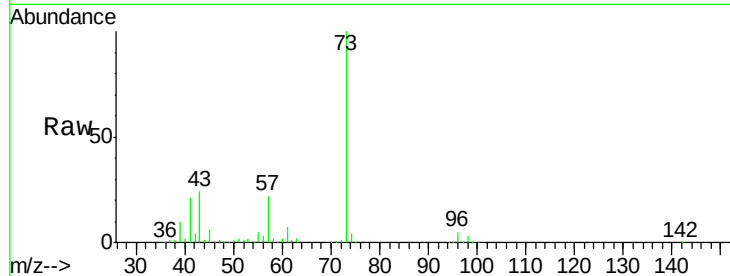
#19
Methyl tert-butyl Ether
Concen: 51.651 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.6	25.0

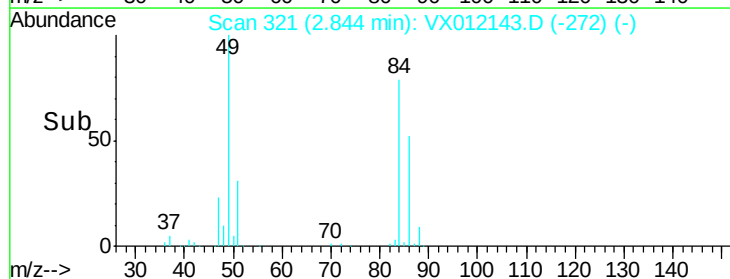
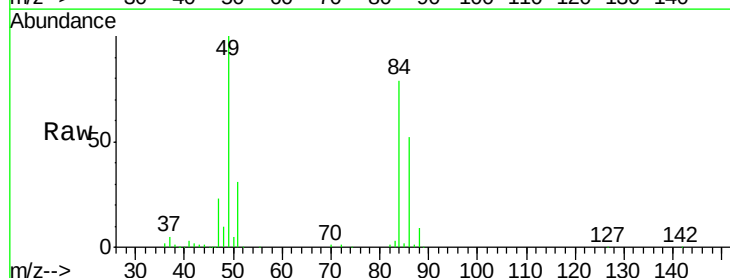
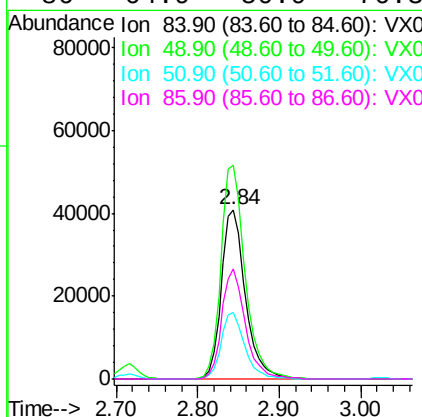
Manual Integrations
APPROVED

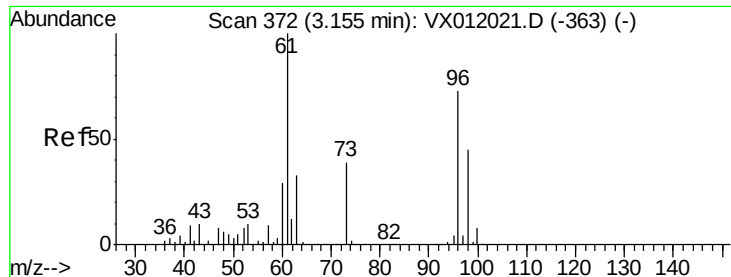
MMDadoda
9/9/2019 10:50:18 AM



#20
Methylene Chloride
Concen: 50.375 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	95.8	143.8
51	39.3	28.6	43.0
86	64.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 52.390 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 75790

Ion Ratio Lower Upper

96 100

61 149.4 107.0 160.6

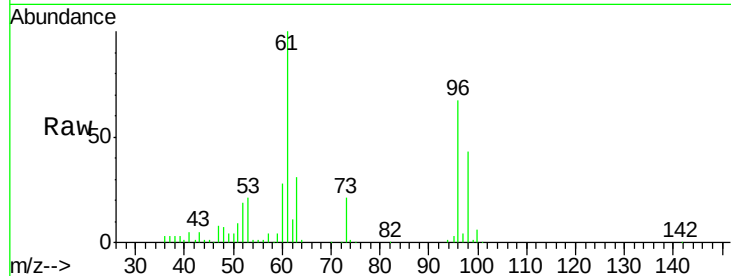
98 63.8 49.8 74.6

Manual Integrations

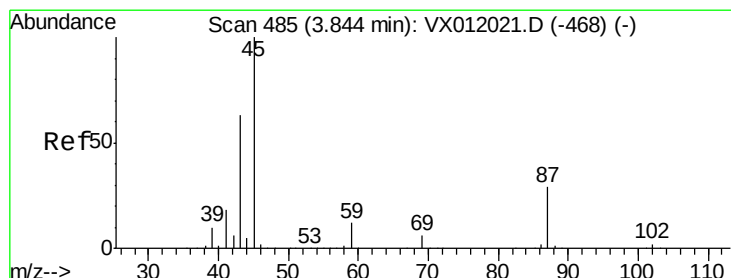
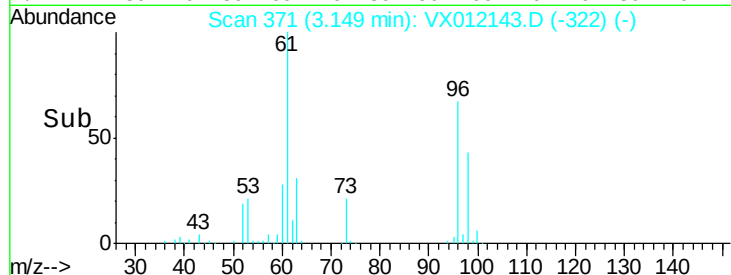
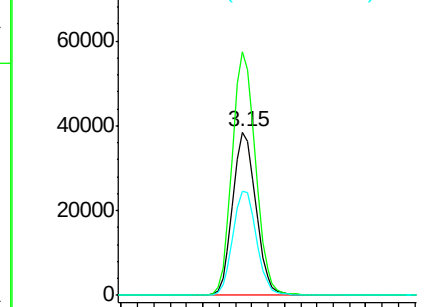
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.665 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion: 45 Resp: 243998

Ion Ratio Lower Upper

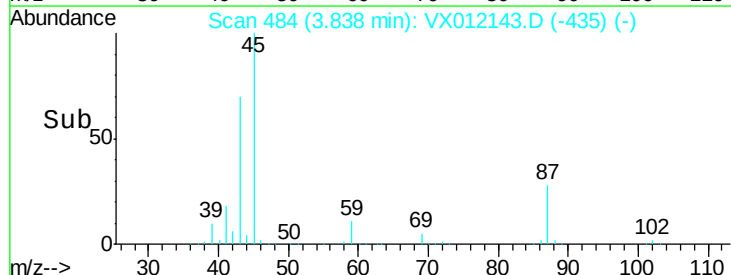
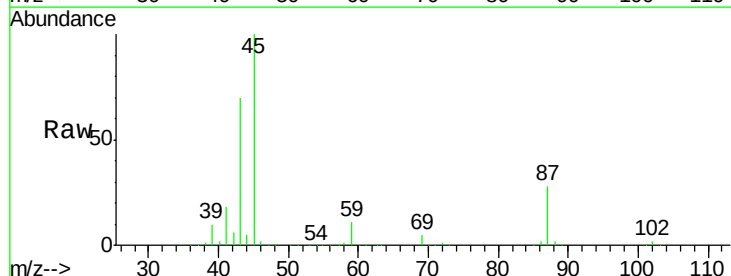
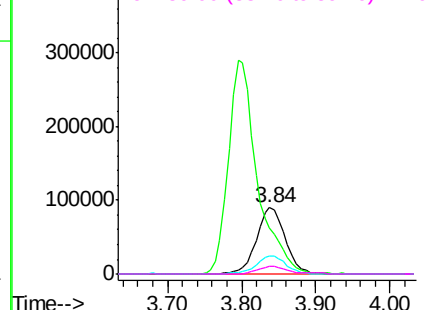
45 100

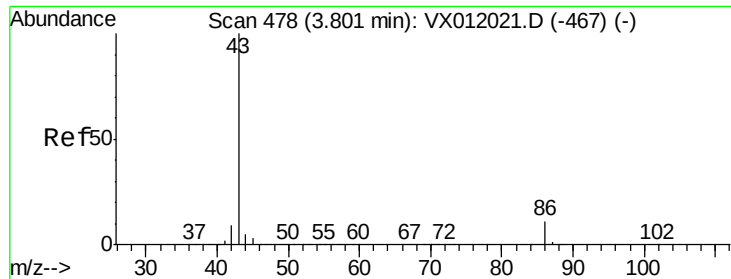
43 70.0 54.2 81.4

87 27.7 23.4 35.0

59 10.9 9.0 13.6

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 269.203 ug/l

RT: 3.79 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 791777

Ion Ratio Lower Upper

43 100

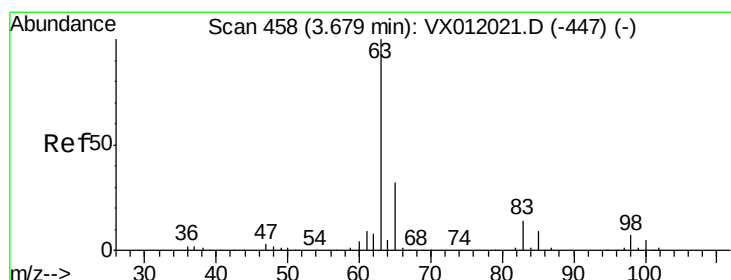
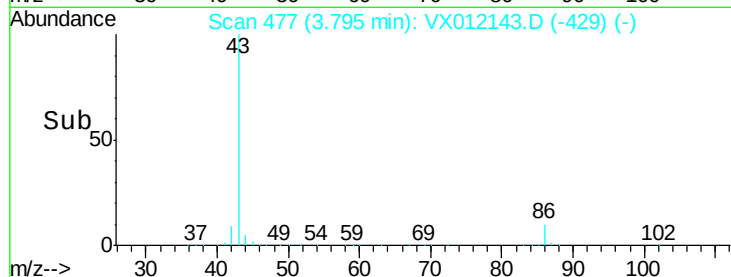
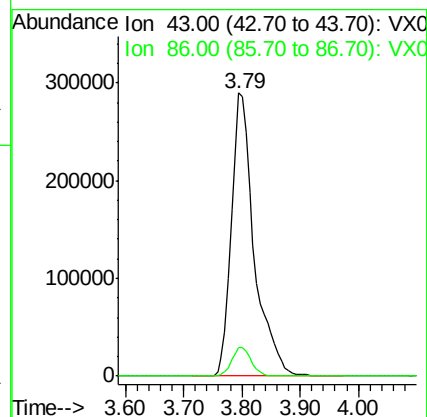
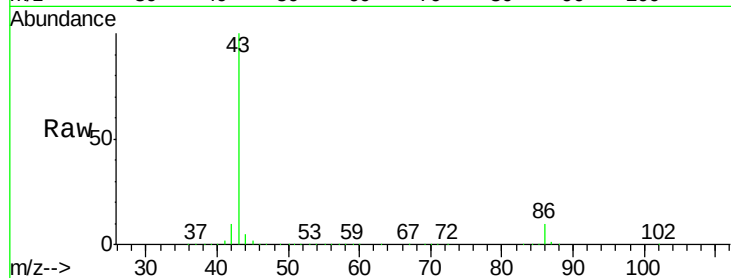
86 10.3 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.717 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

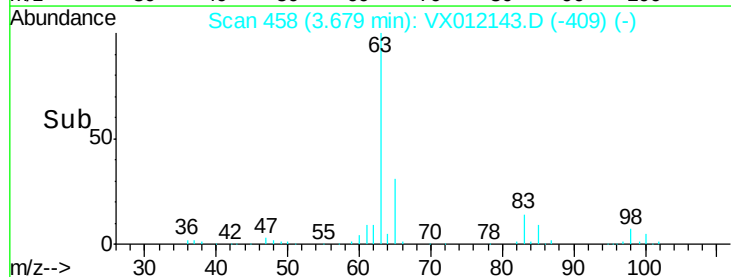
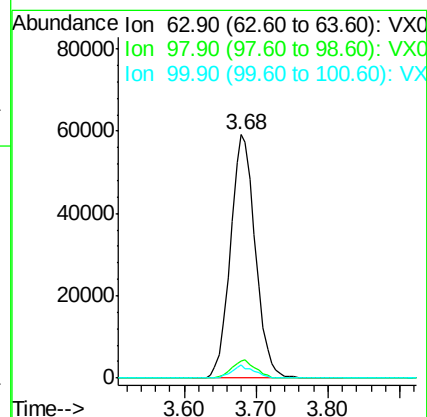
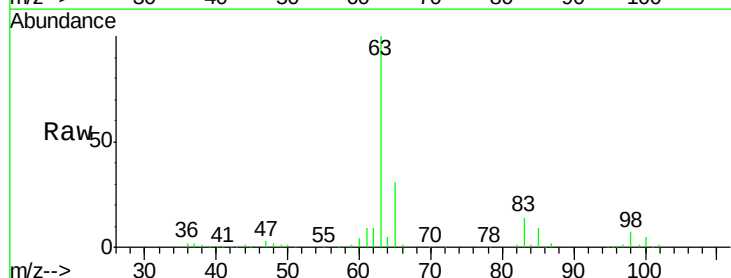
Tgt Ion: 63 Resp: 141649

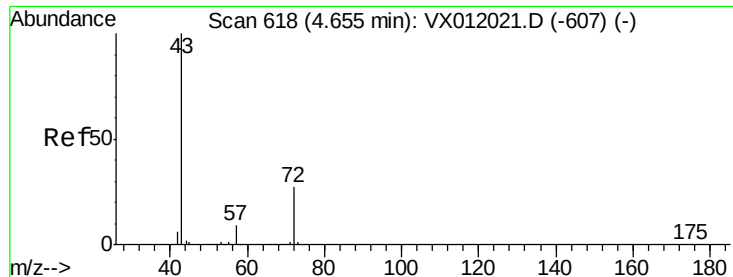
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 253.738 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 133360

Ion Ratio Lower Upper

43 100

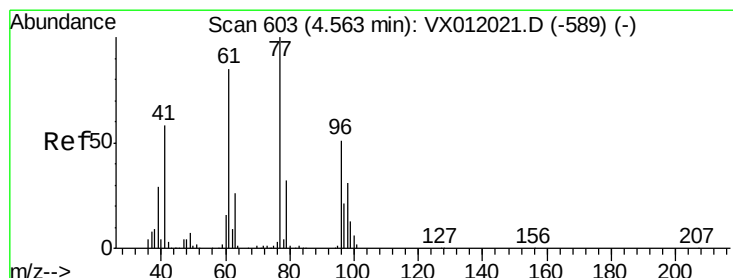
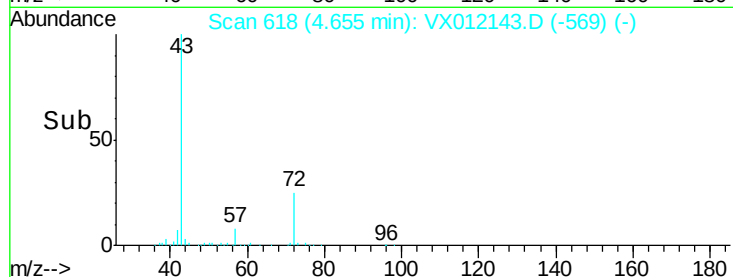
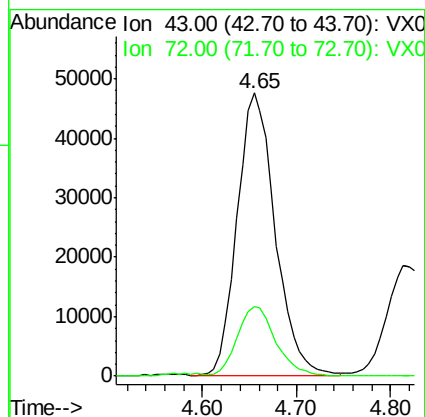
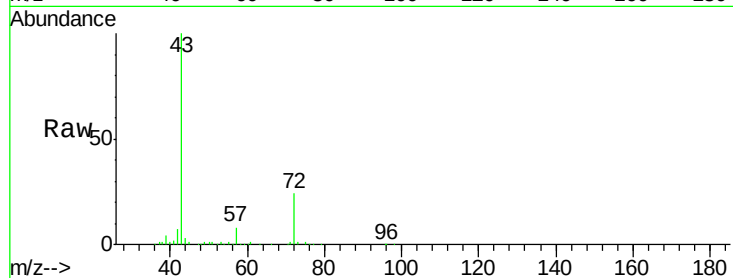
72 24.3 21.3 31.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 54.289 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012143.D

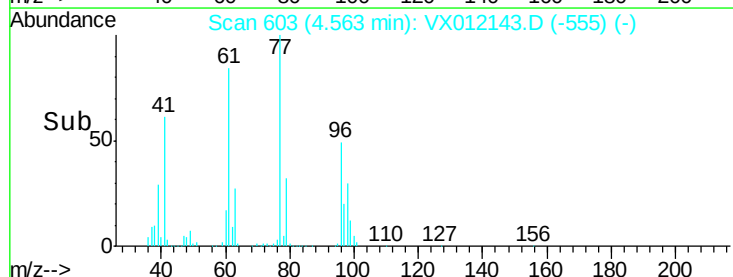
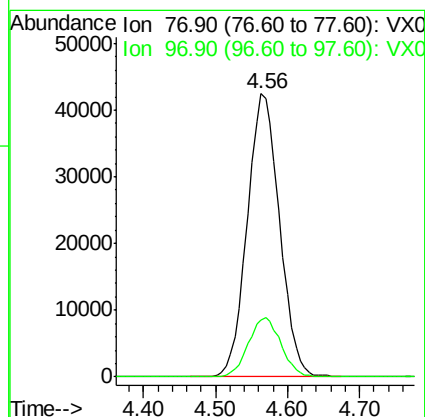
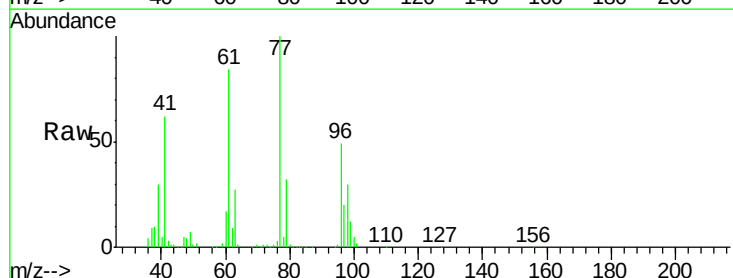
Acq: 06 Sep 2019 12:47

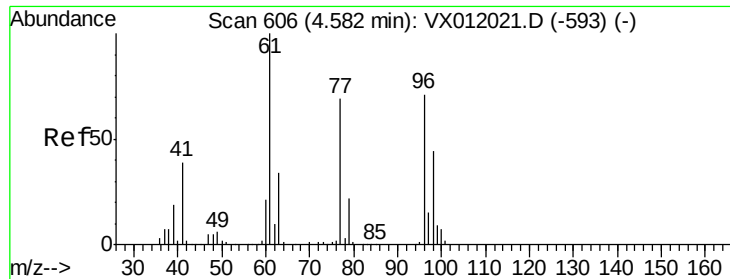
Tgt Ion: 77 Resp: 132170

Ion Ratio Lower Upper

77 100

97 21.3 11.5 34.5





#27

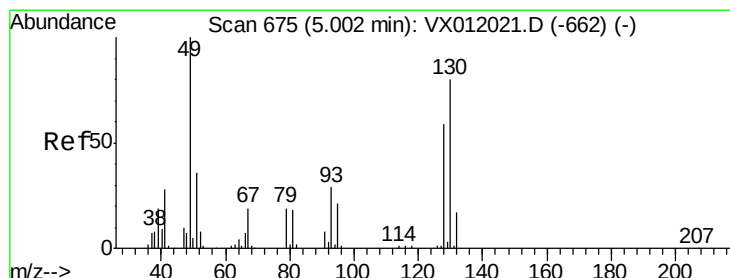
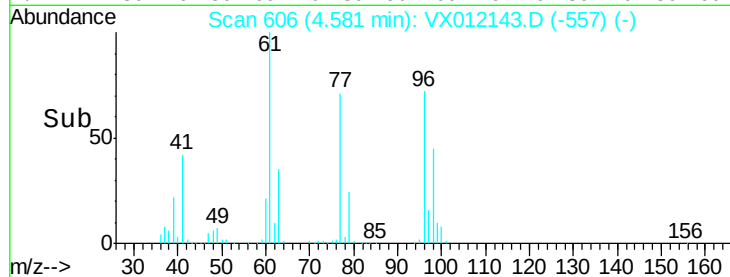
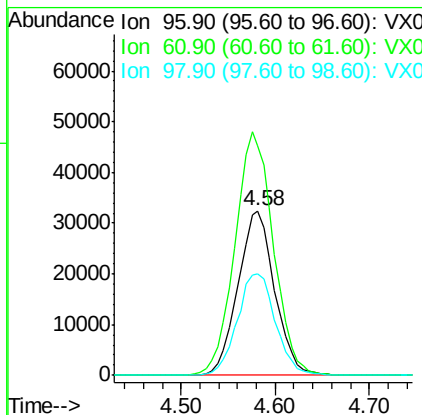
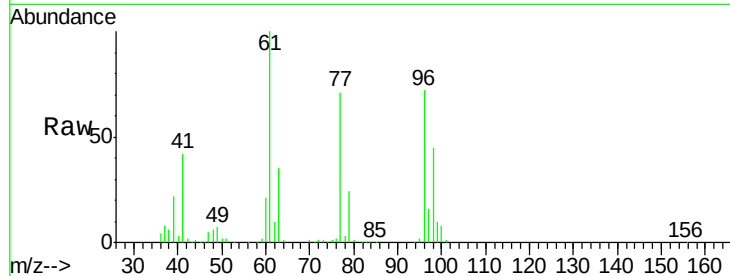
cis-1,2-Dichloroethene
Concen: 52.104 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	277.0
98	64.7	0.0	128.4

Manual Integrations
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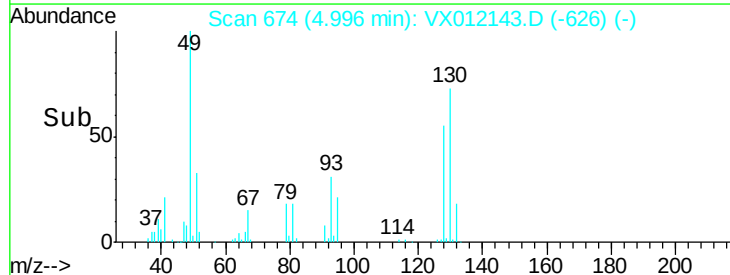
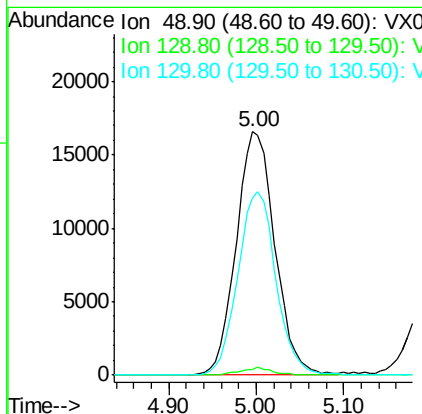
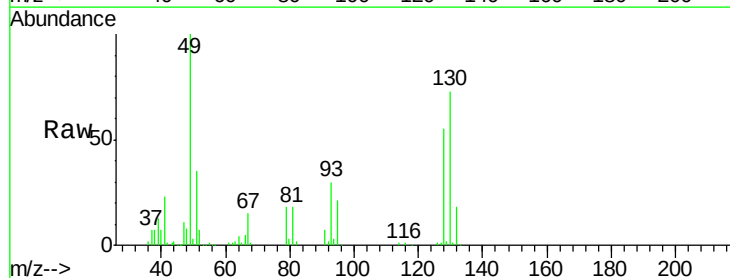
MMDadoda
9/9/2019 10:50:18 AM

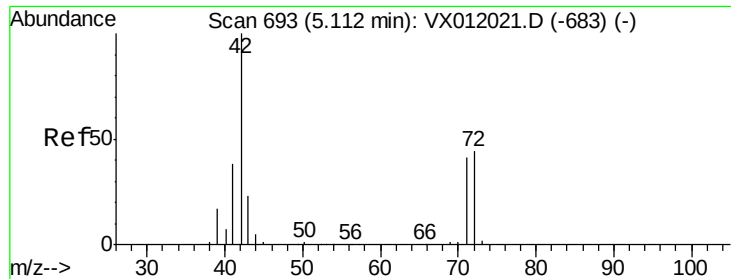


#28

Bromochloromethane
Concen: 48.380 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	74.6	76.7	115.1#





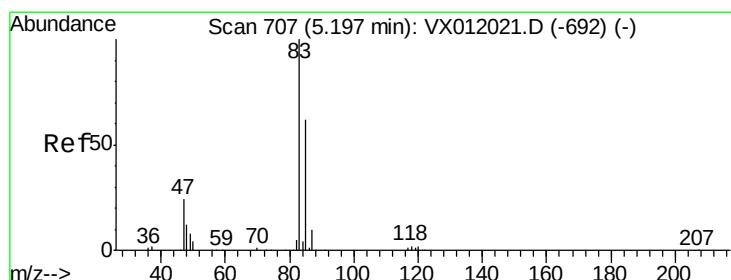
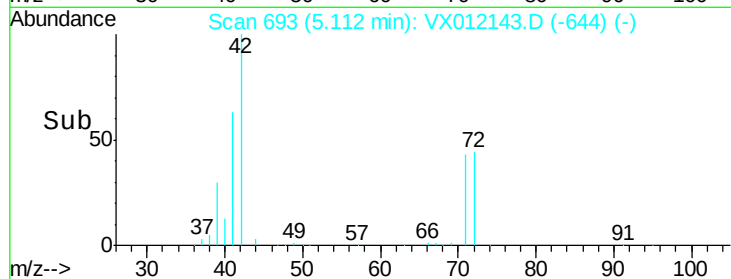
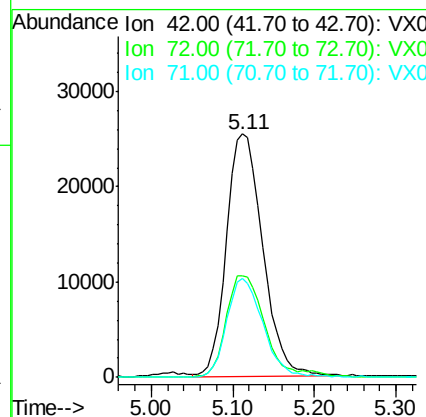
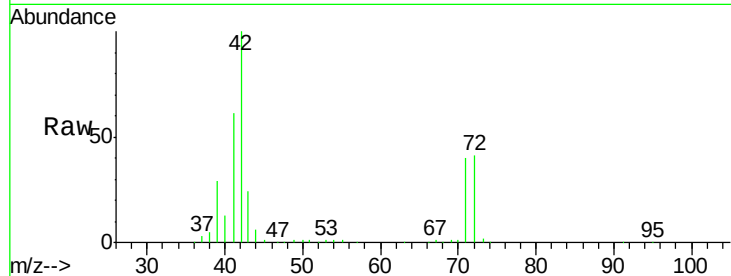
#29
Tetrahydrofuran
Concen: 247.494 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.0	55.4
71	41.0	33.8	50.8

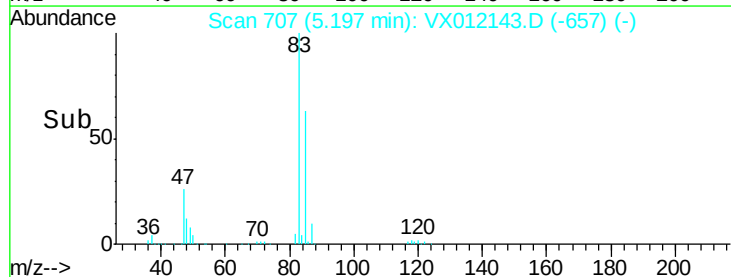
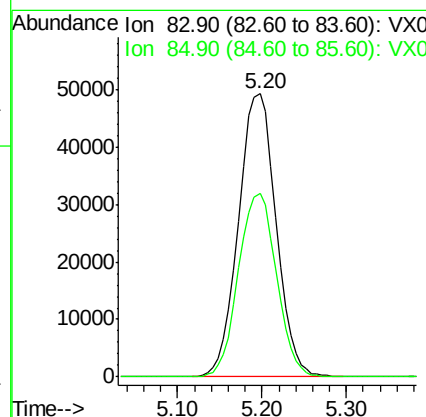
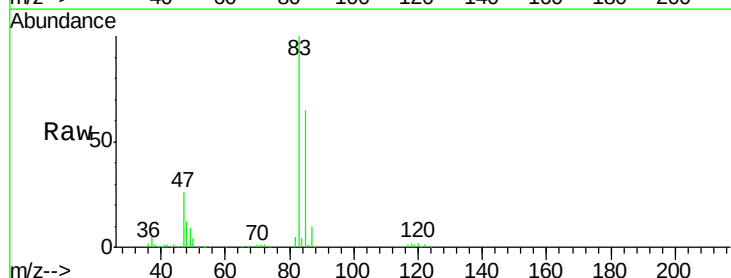
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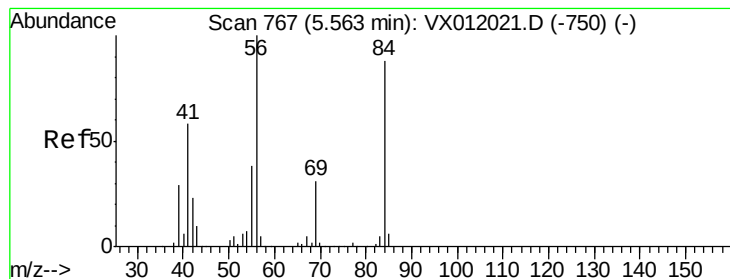
MMDadoda
9/9/2019 10:50:18 AM



#30
Chloroform
Concen: 52.729 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8





#31

Cyclohexane

Concen: 51.390 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 108835

Ion Ratio Lower Upper

56 100

69 33.2 25.7 38.5

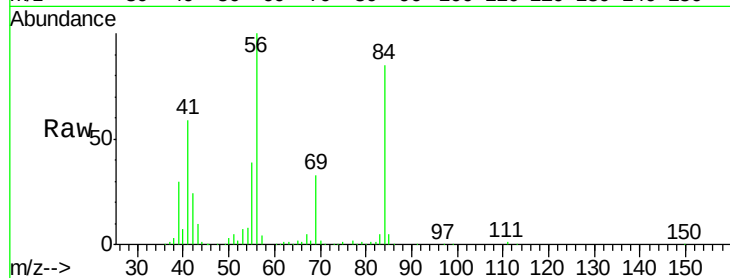
84 83.5 70.3 105.5

Manual Integrations

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MMDadoda

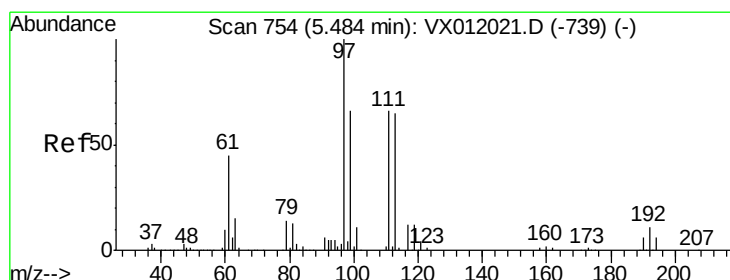
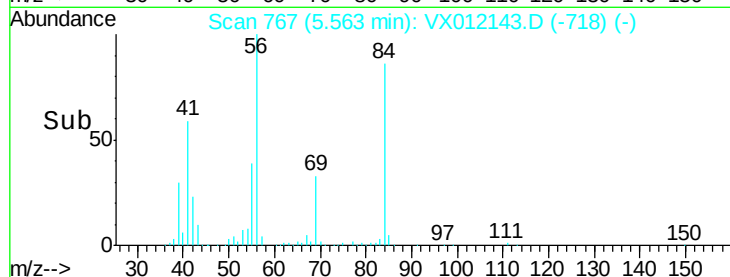
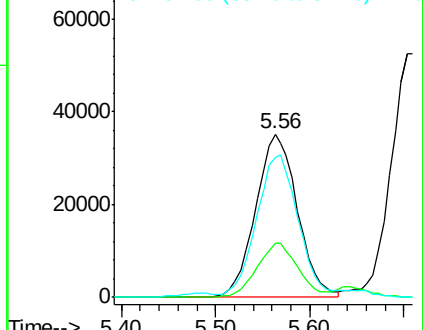
9/9/2019 10:50:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.536 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

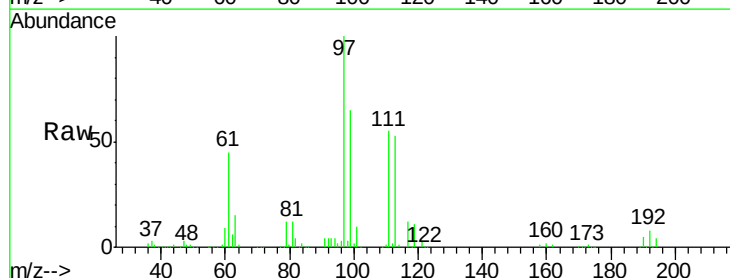
Tgt Ion: 97 Resp: 134395

Ion Ratio Lower Upper

97 100

99 63.8 52.1 78.1

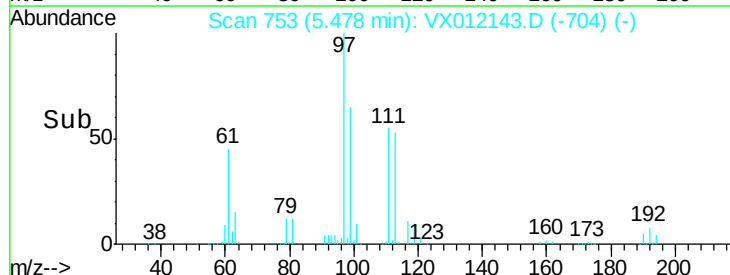
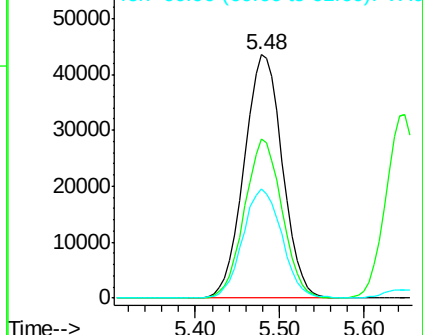
61 45.7 32.8 49.2

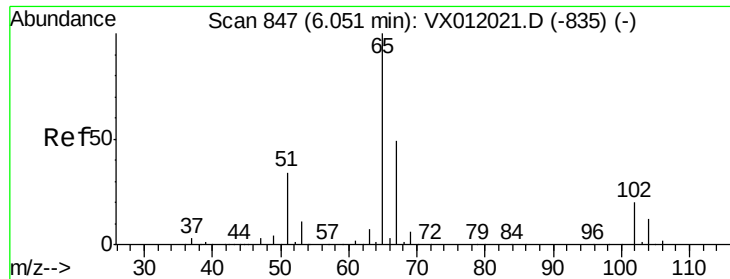


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





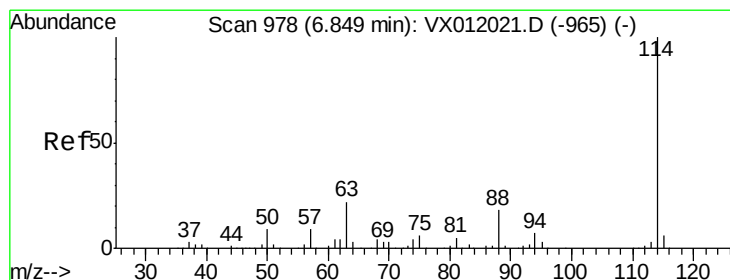
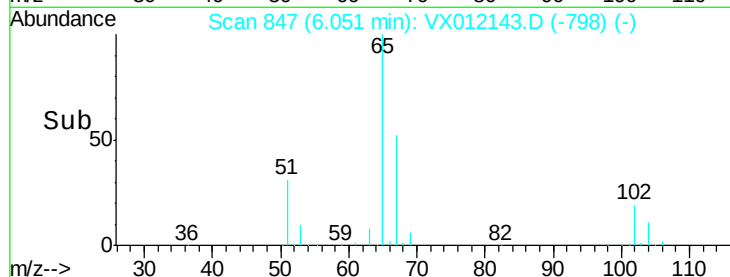
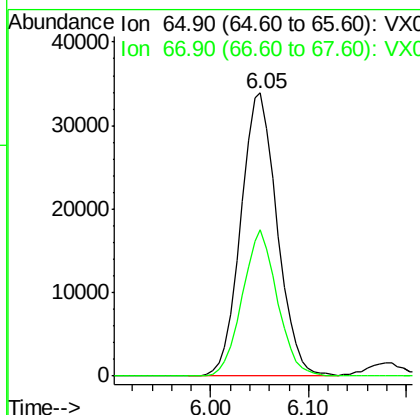
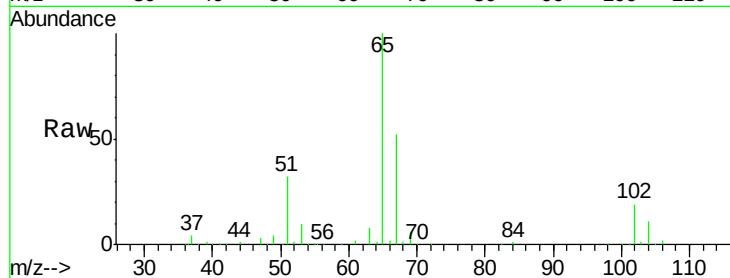
#33
 1,2-Dichloroethane-d4
 Concen: 50.695 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	102.0

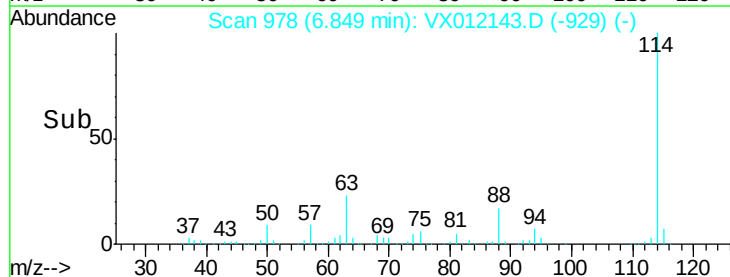
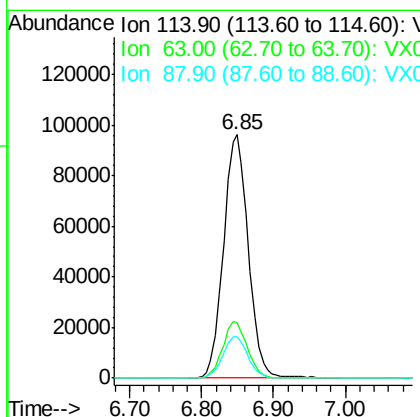
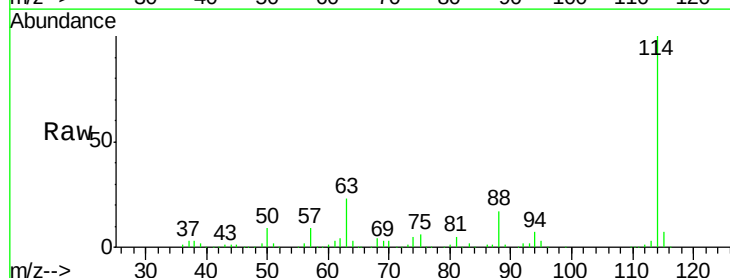
Manual Integrations
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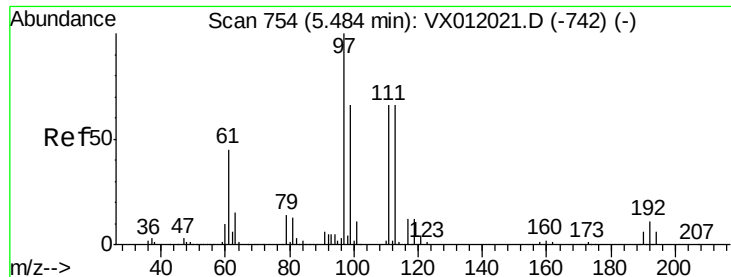
MMDadoda
 9/9/2019 10:50:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	37.4
88	16.8	0.0	29.6





#35

Dibromofluoromethane

Concen: 49.224 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

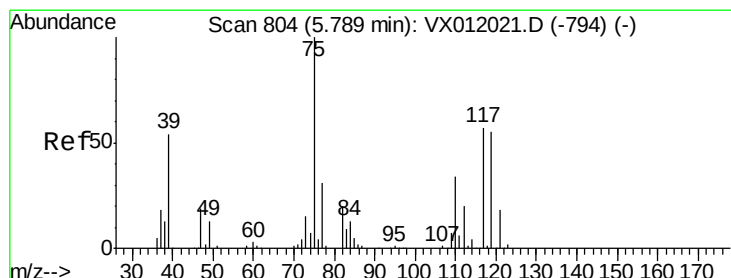
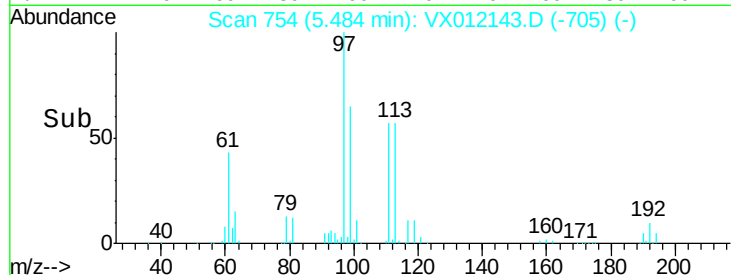
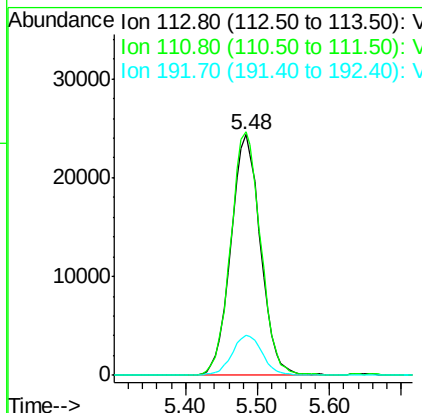
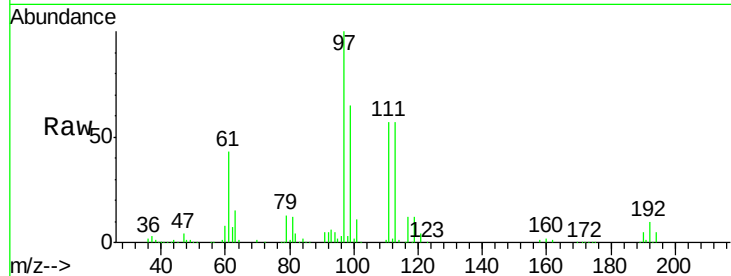
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.7	122.5
192	17.1	22.5	33.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.209 ug/l

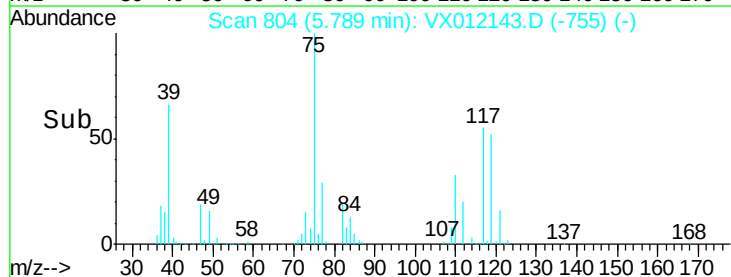
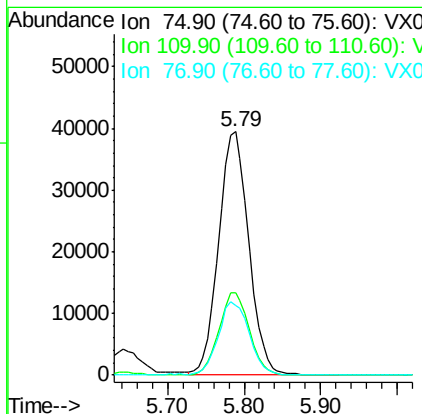
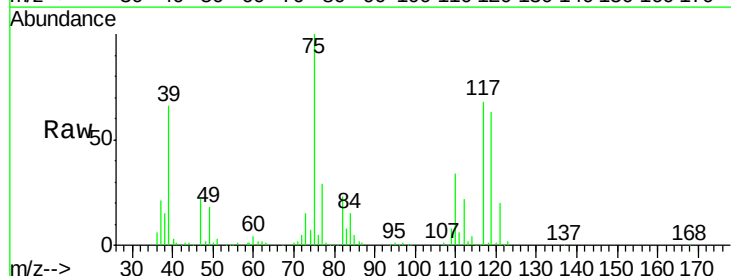
RT: 5.79 min Scan# 804

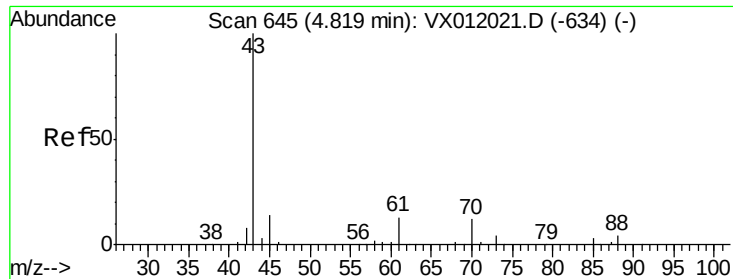
Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.5	58.5
77	31.0	24.6	37.0





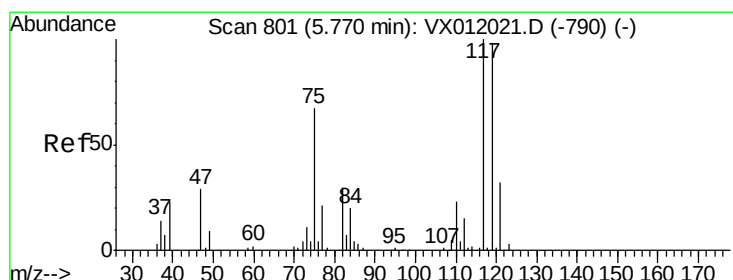
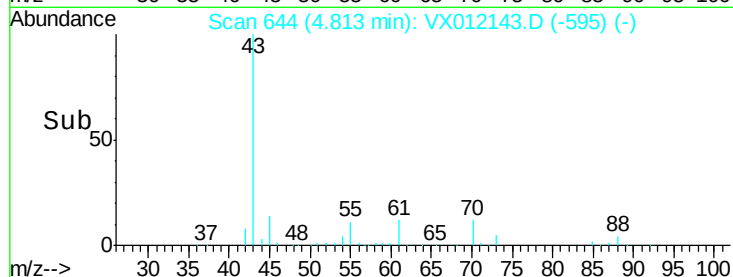
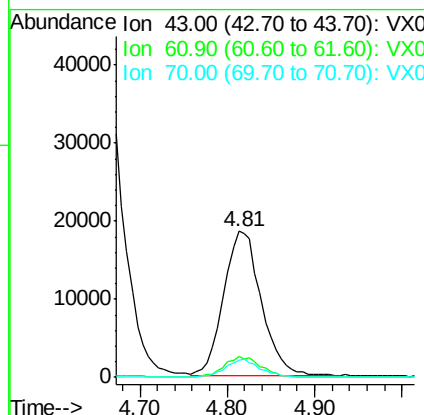
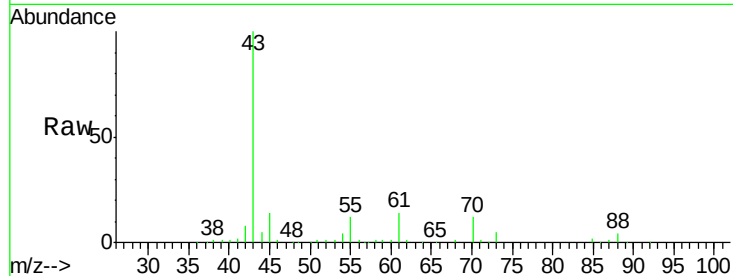
#37
Ethyl Acetate
Concen: 50.136 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	12.0	9.4	14.0

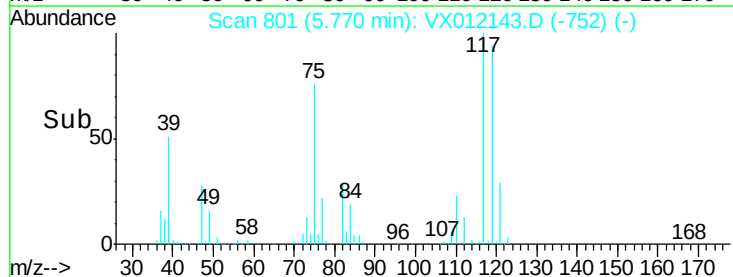
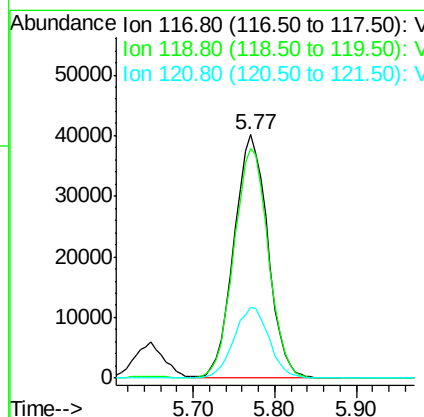
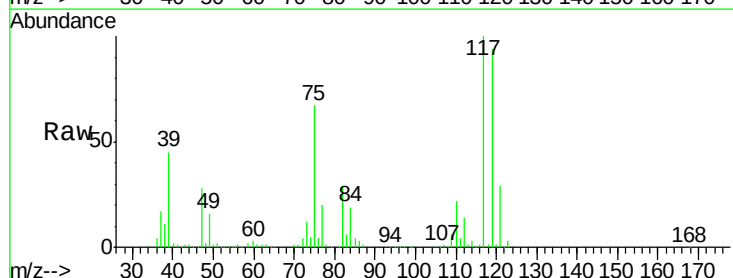
Manual Integrations
APPROVED

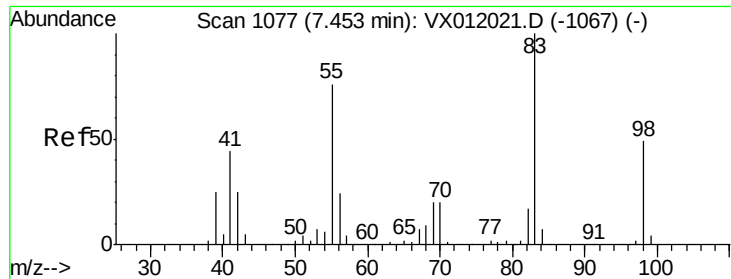
MMDadoda
9/9/2019 10:50:18 AM



#38
Carbon Tetrachloride
Concen: 54.086 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.3	117.5
121	29.3	24.2	36.2





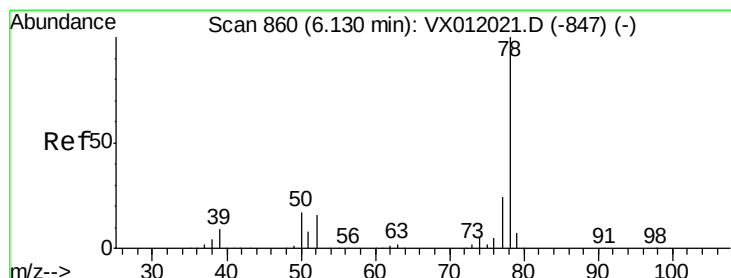
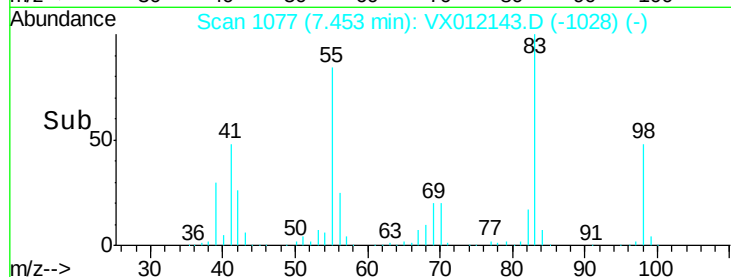
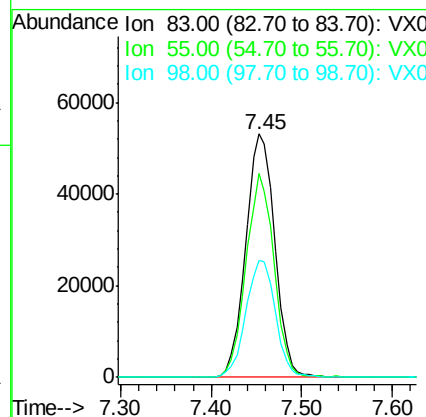
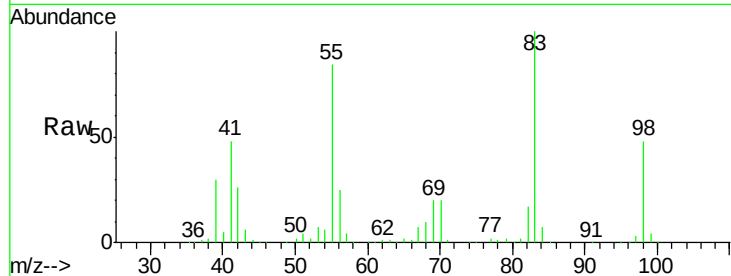
#39
Methylvlcyclohexane
Concen: 50.174 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117961		
55	83.9	59.6	89.4	
98	48.0	41.4	62.0	

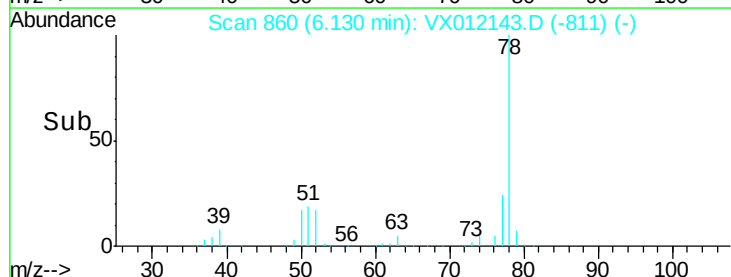
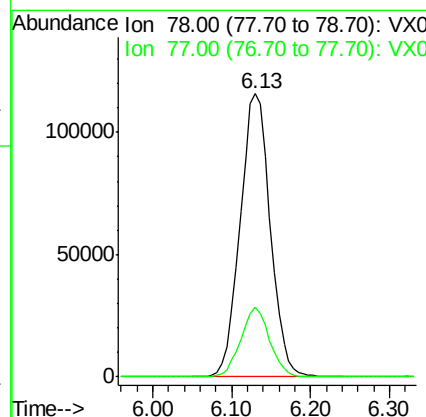
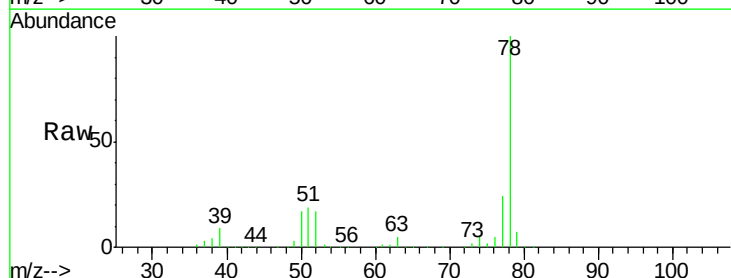
Manual Integrations
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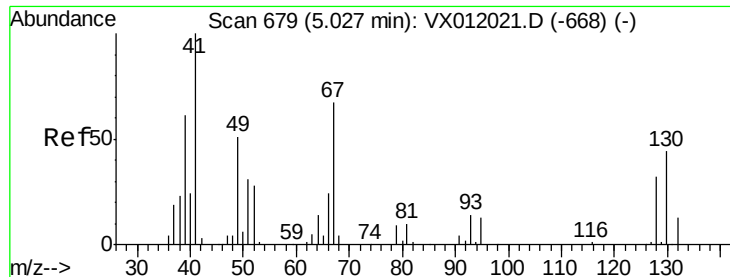
MMDadoda
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#40
Benzene
Concen: 52.789 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	306983		
77	24.4	19.3	28.9	





#41

Methacrylonitrile

Concen: 52.720 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 41 Resp: 34632

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

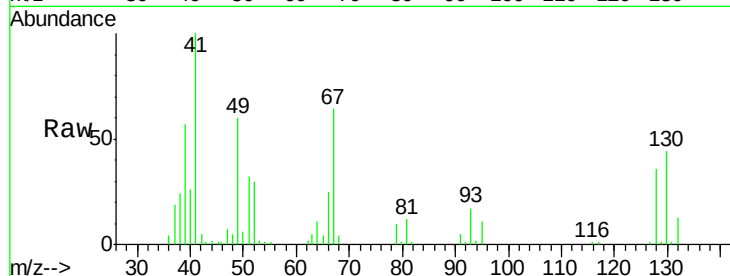
67 67.2 57.0 85.6

52 30.9 23.5 35.3

Manual Integrations
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MMDadoda

9/9/2019 10:50:18 AM

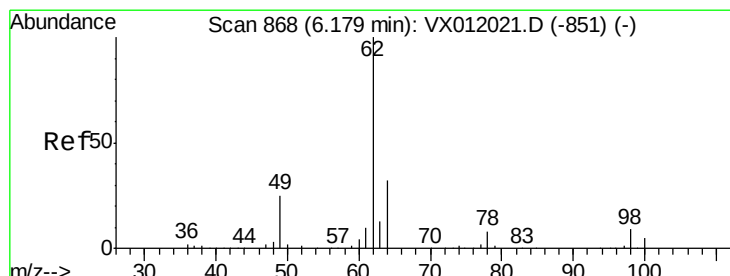
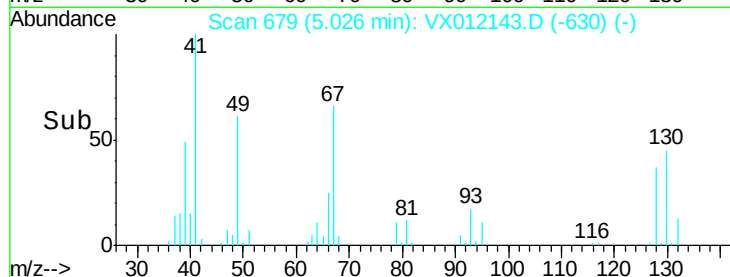
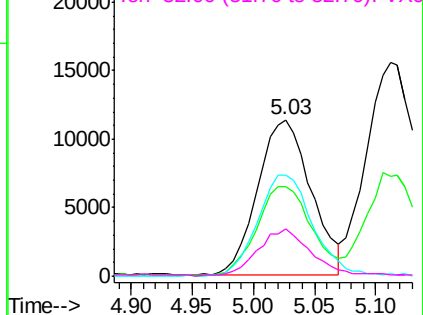


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.521 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012143.D

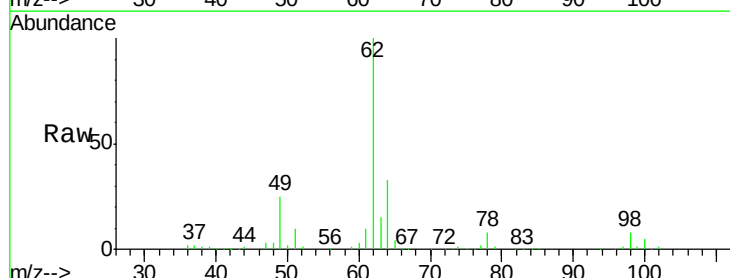
Acq: 06 Sep 2019 12:47

Tgt Ion: 62 Resp: 114097

Ion Ratio Lower Upper

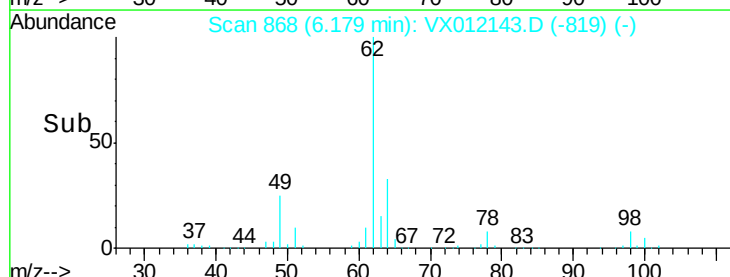
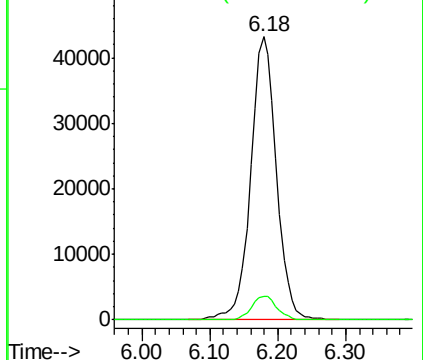
62 100

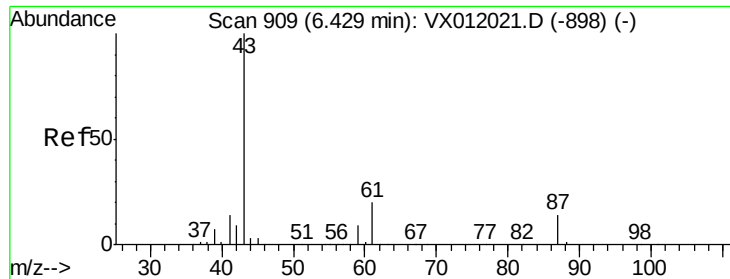
98 8.3 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.170 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

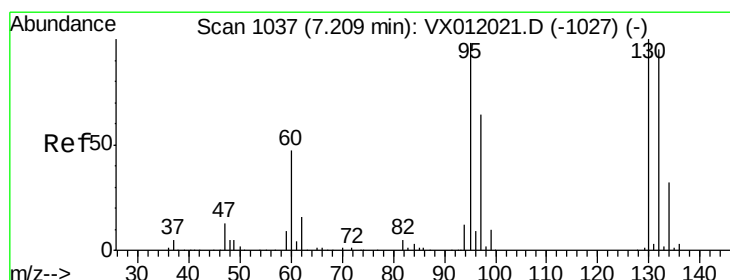
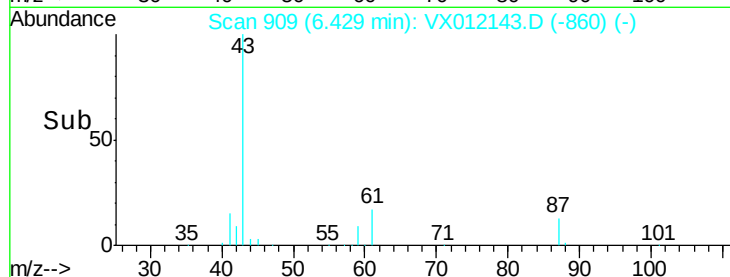
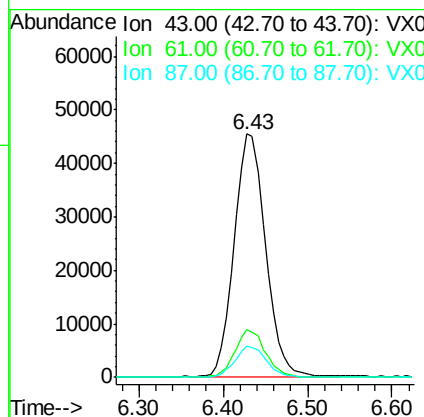
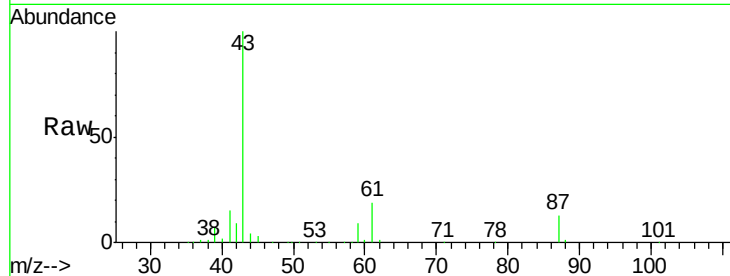
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	114610
Ion	Ratio	Lower	Upper
43	100		
61	19.1	16.1	24.1
87	12.8	11.3	16.9

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#44

Trichloroethene

Concen: 52.284 ug/l

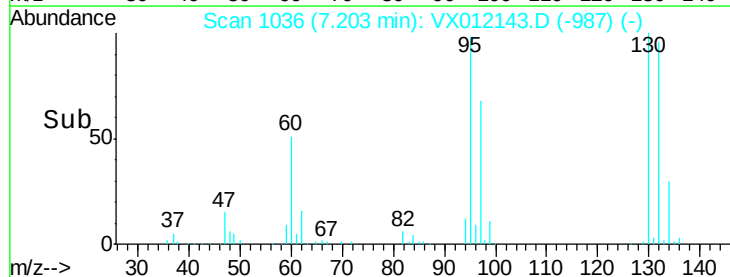
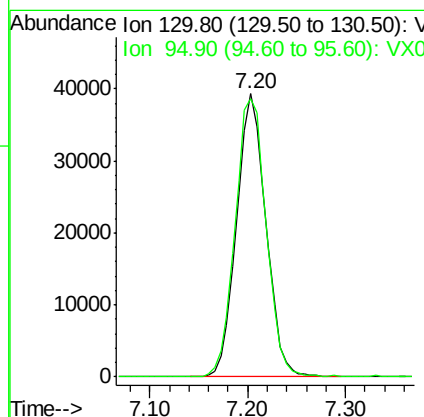
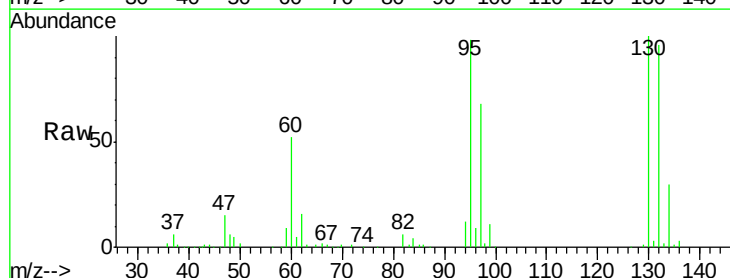
RT: 7.20 min Scan# 1036

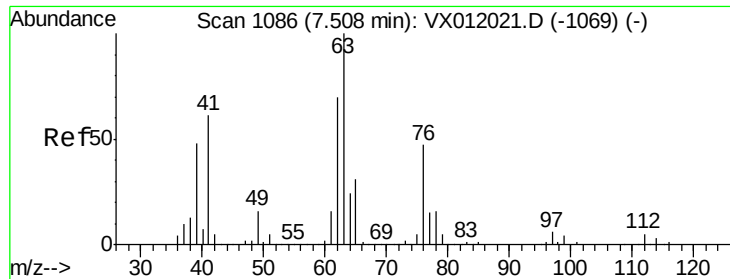
Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion:	130	Resp:	82007
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	176.4





#45

1,2-Dichloropropane

Concen: 52.305 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 78586

Ion Ratio Lower Upper

63 100

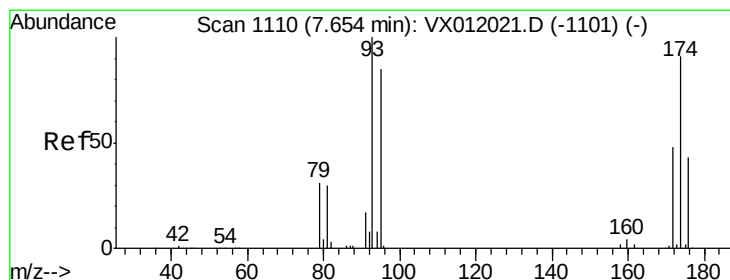
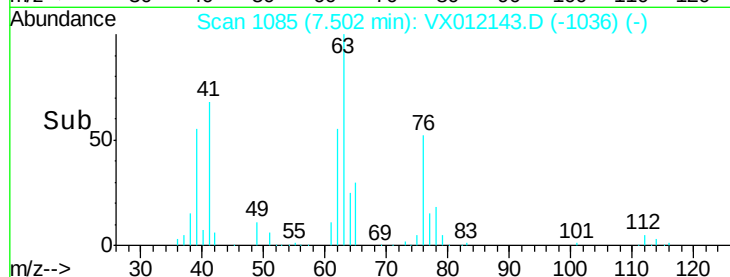
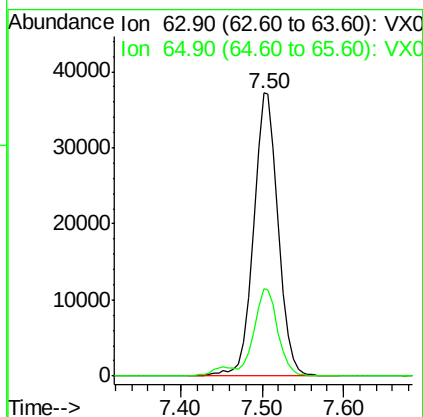
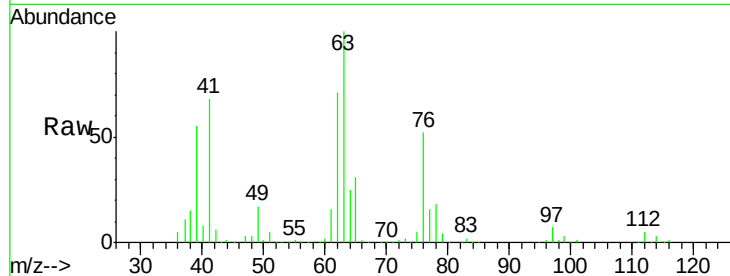
65 30.6 25.0 37.6

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#46

Dibromomethane

Concen: 52.605 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

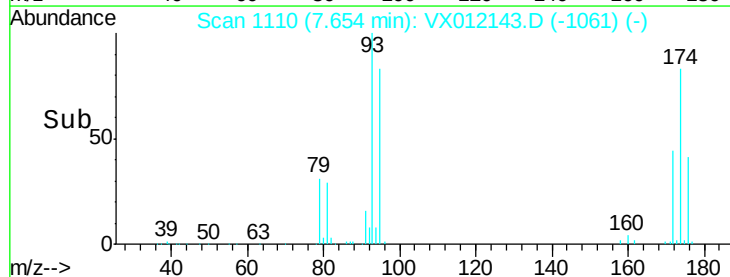
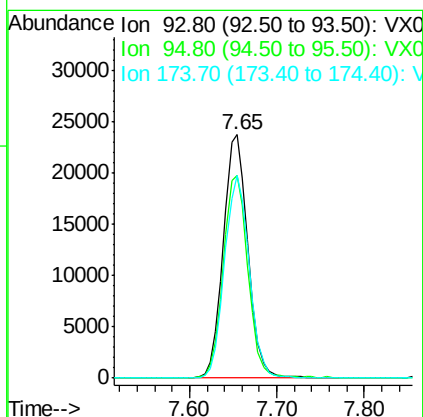
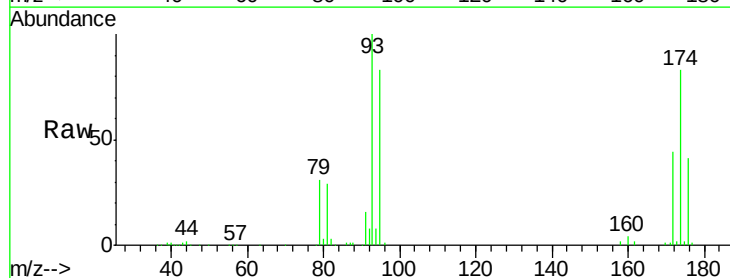
Tgt Ion: 93 Resp: 46139

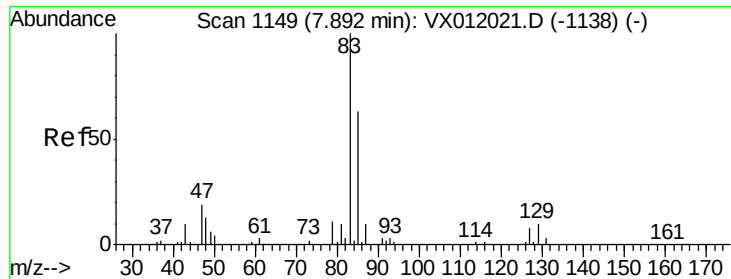
Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.2

174 84.0 110.2 165.4#





#47

Bromodichloromethane

Concen: 52.013 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 115958

Ion Ratio Lower Upper

83 100

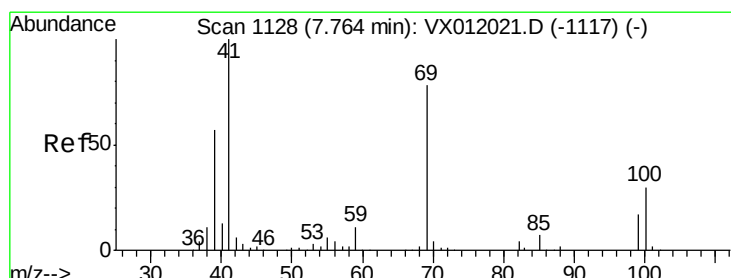
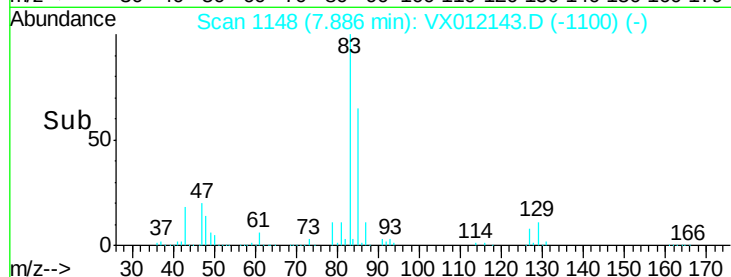
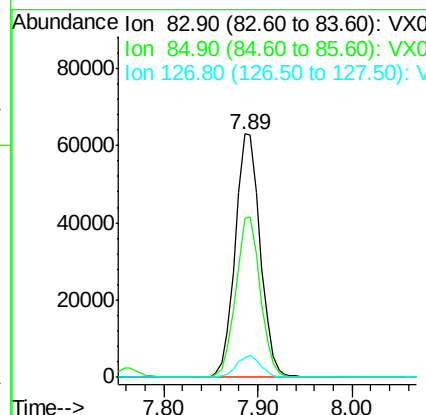
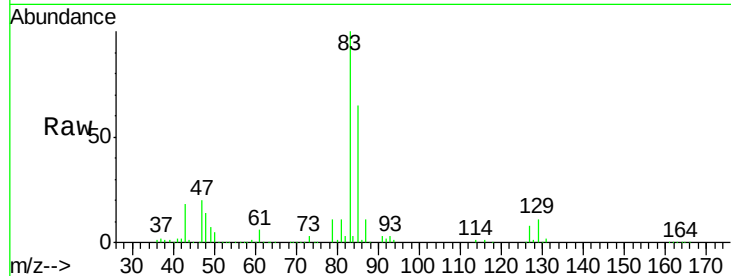
85 65.2 50.3 75.5

127 7.9 8.1 12.1#

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#48

Methyl methacrylate

Concen: 51.289 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

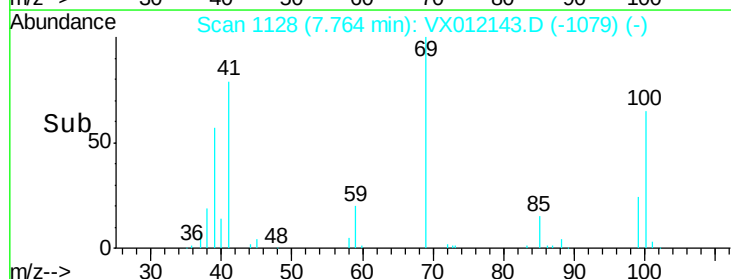
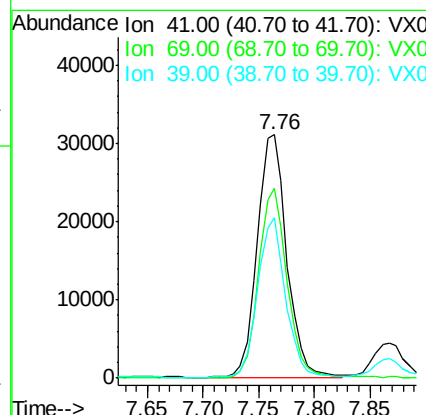
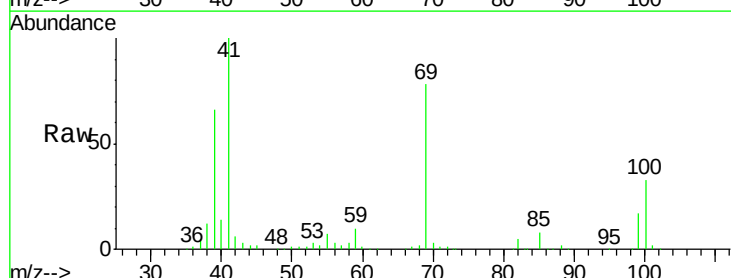
Tgt Ion: 41 Resp: 57761

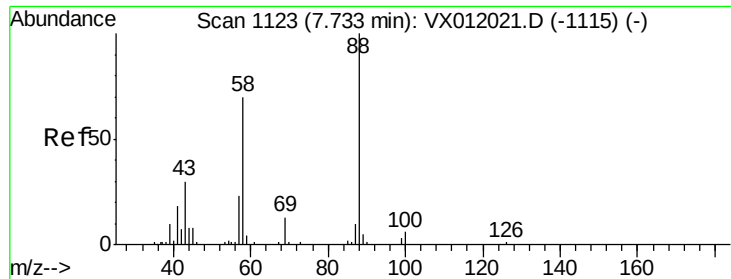
Ion Ratio Lower Upper

41 100

69 76.1 66.3 99.5

39 62.3 48.1 72.1





#49

1,4-Dioxane

Concen: 894.130 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

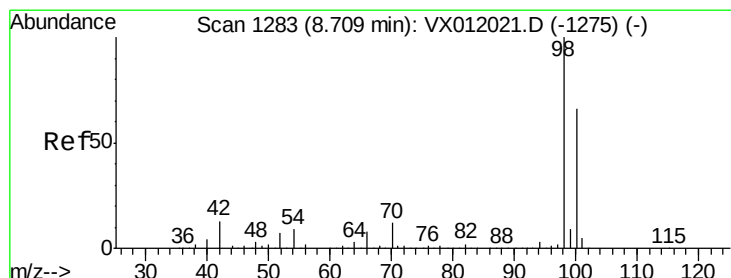
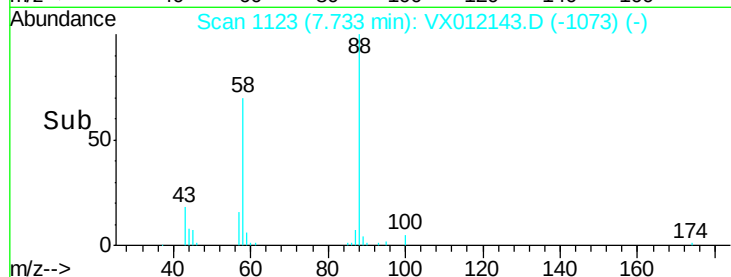
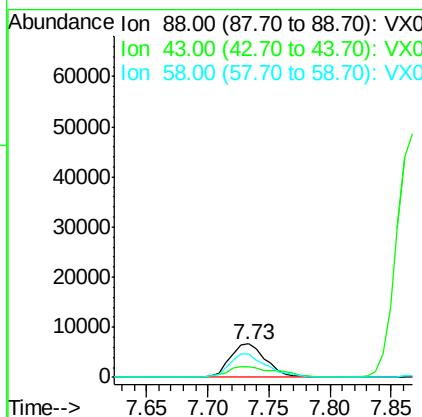
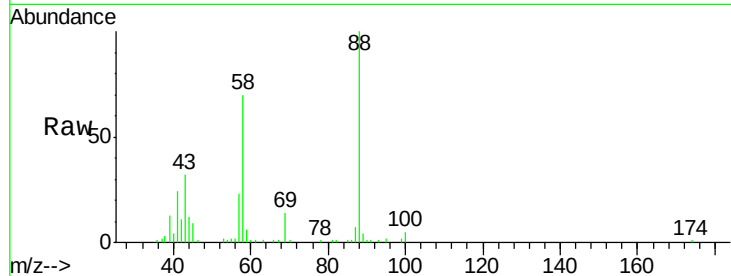
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	13727
Ion	Ratio	Lower	Upper
88	100		
43	41.1	29.8	44.6
58	73.5	55.4	83.2

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#50

Toluene-d8

Concen: 49.999 ug/l

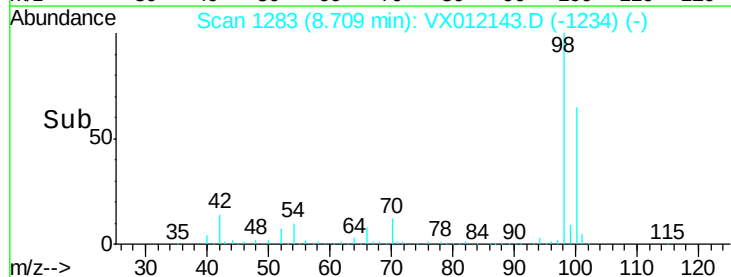
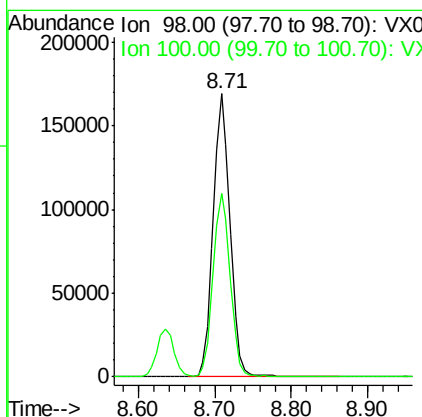
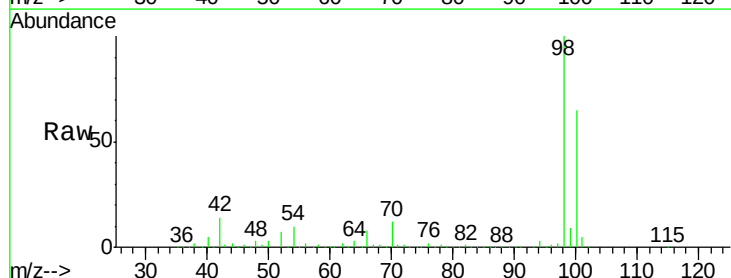
RT: 8.71 min Scan# 1283

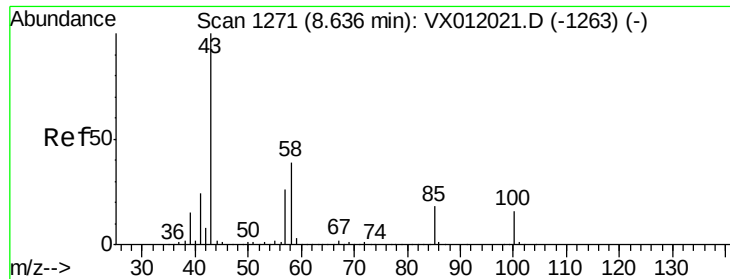
Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion:	98	Resp:	259505
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 250.390 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285256

Ion Ratio Lower Upper

43 100

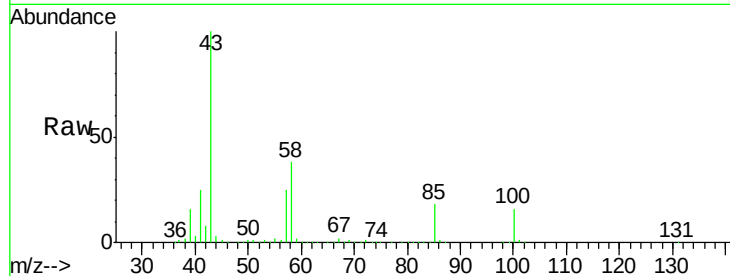
58 37.6 31.5 47.3

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

8.64

200000

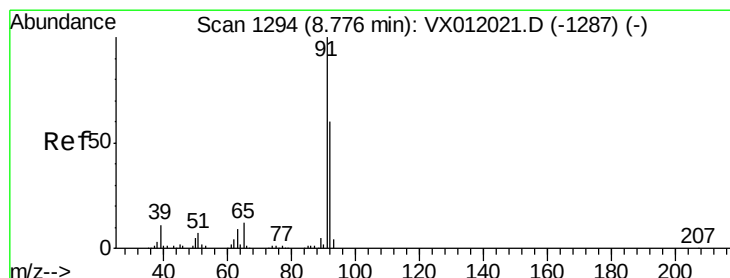
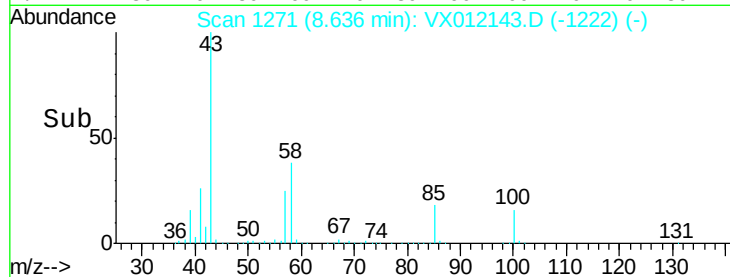
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 52.645 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012143.D

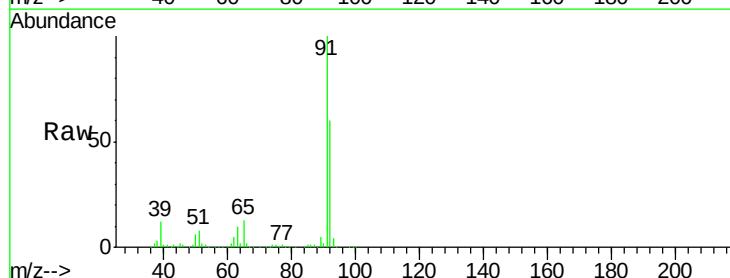
Acq: 06 Sep 2019 12:47

Tgt Ion: 92 Resp: 199194

Ion Ratio Lower Upper

92 100

91 167.7 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

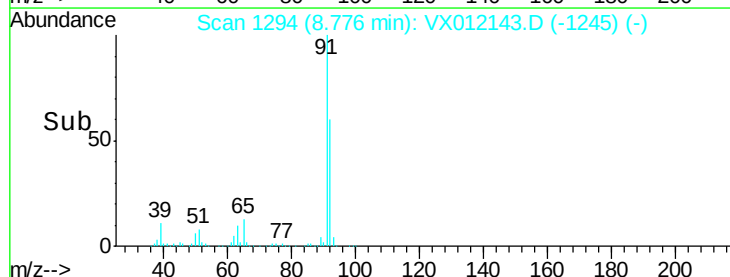
150000

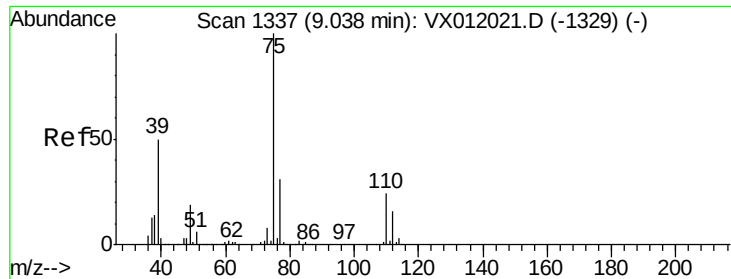
100000

50000

0

Time-->





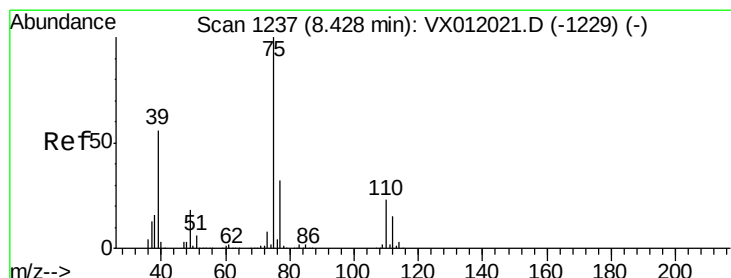
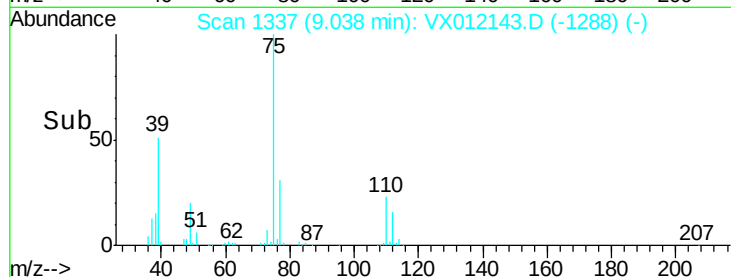
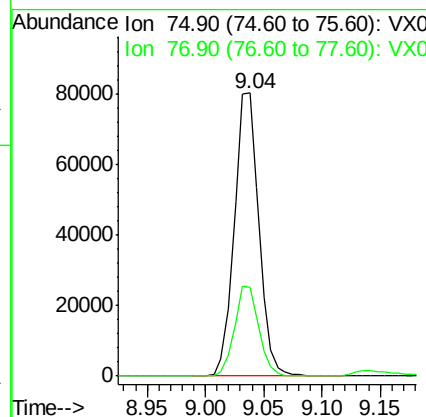
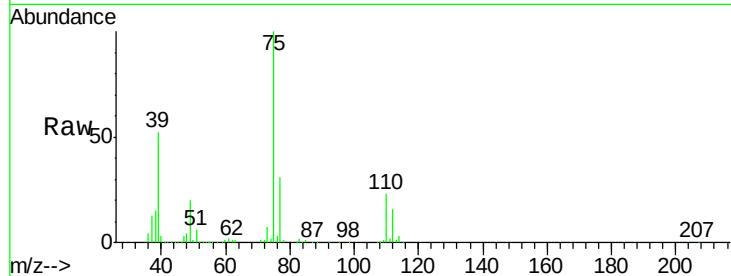
#53
 t-1,3-Dichloropropene
 Concen: 51.191 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 118154
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7

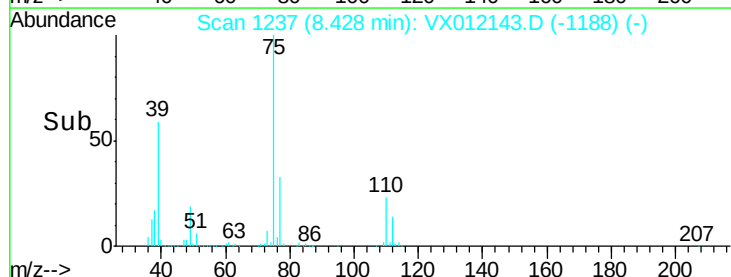
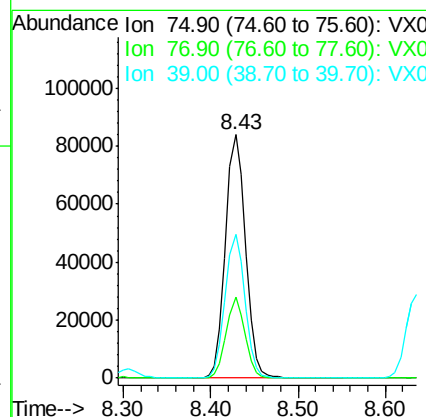
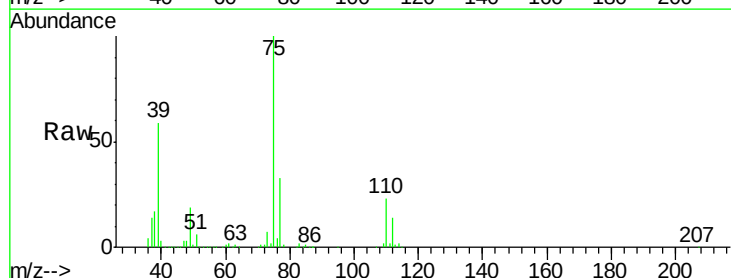
Manual Integrations
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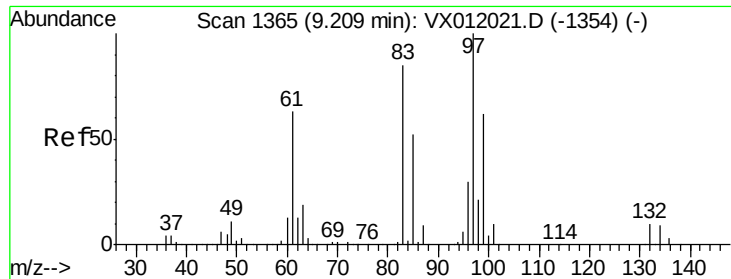
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#54
 cis-1,3-Dichloropropene
 Concen: 52.181 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion: 75 Resp: 133932
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.5 38.3
 39 59.1 43.0 64.4





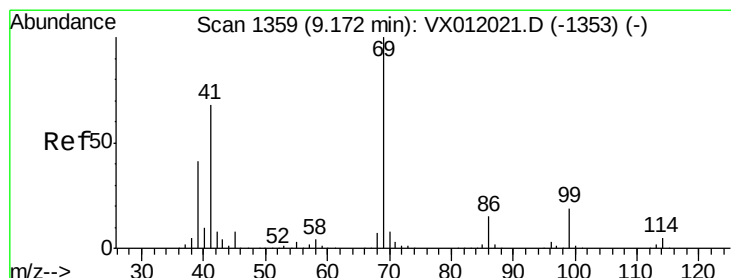
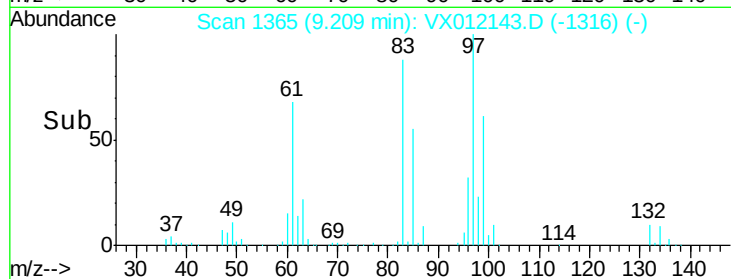
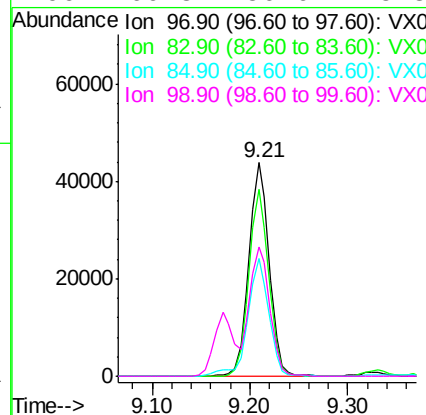
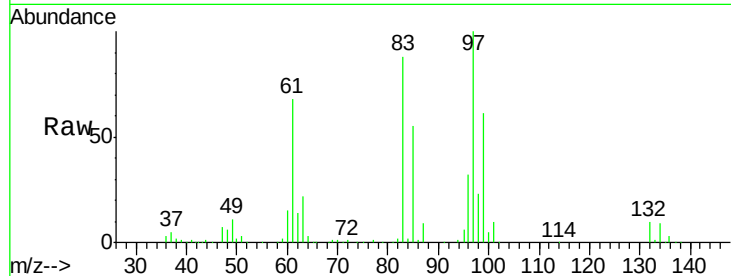
#55
 1,1,2-Trichloroethane
 Concen: 50.323 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	63102
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.0	99.0
85	55.0	41.0	61.6
99	60.8	50.6	75.8

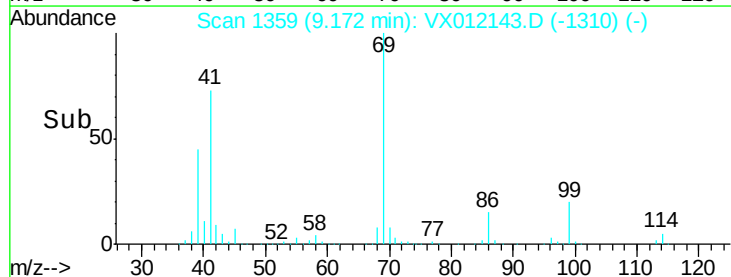
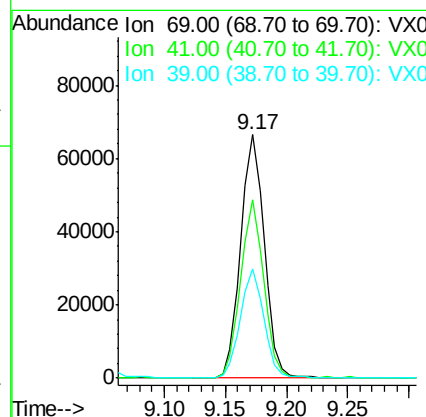
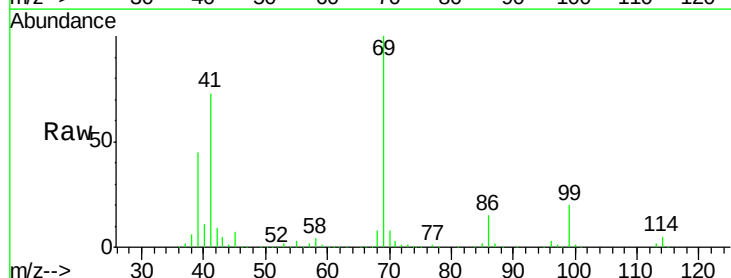
Manual Integrations
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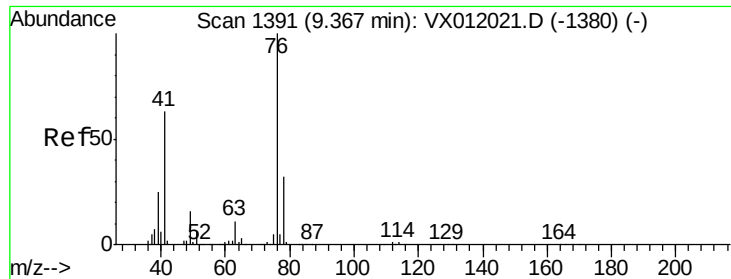
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 9/9/2019 10:50:18 AM



#56
 Ethyl methacrylate
 Concen: 49.652 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion:	69	Resp:	89181
Ion	Ratio	Lower	Upper
69	100		
41	71.5	53.9	80.9
39	44.0	31.1	46.7





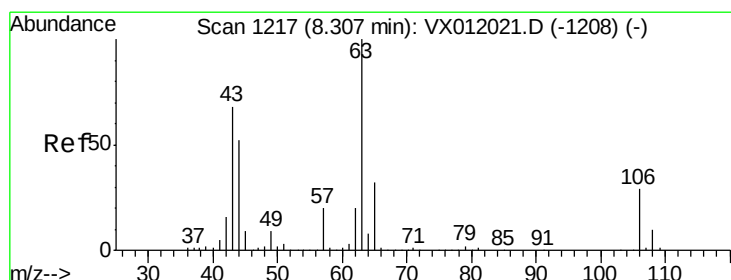
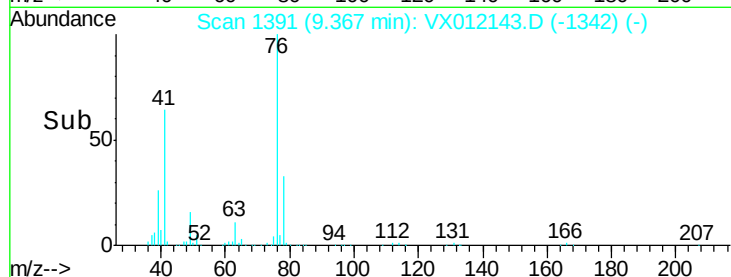
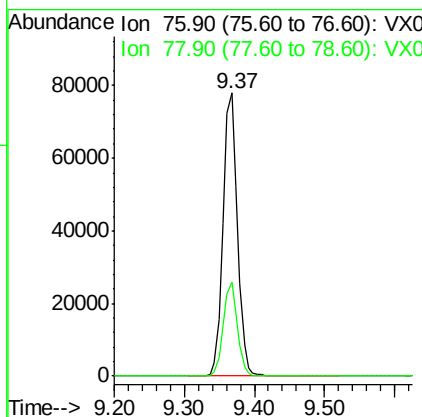
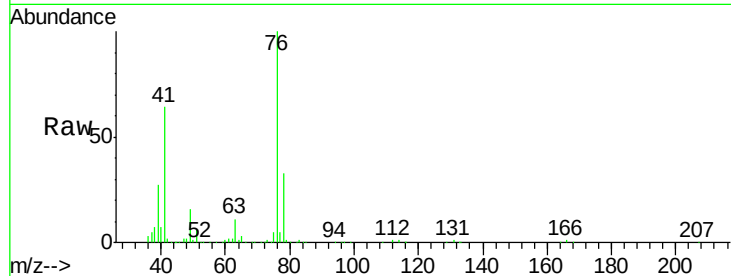
#57
 1,3-Dichloropropane
 Concen: 51.502 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 111439
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

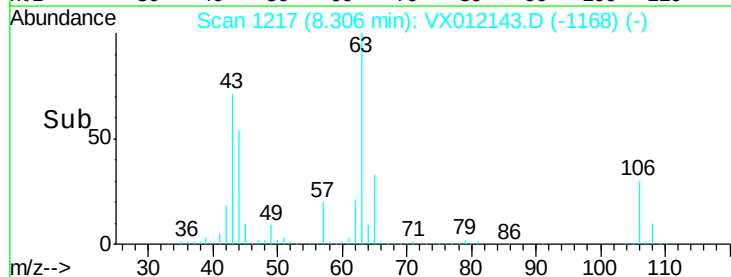
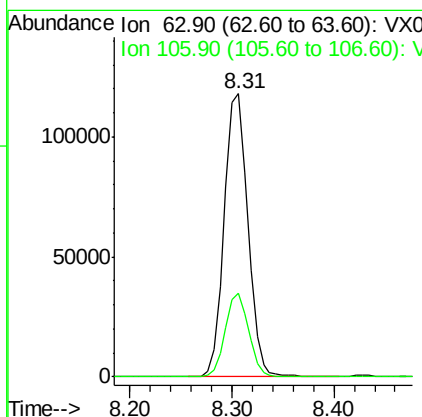
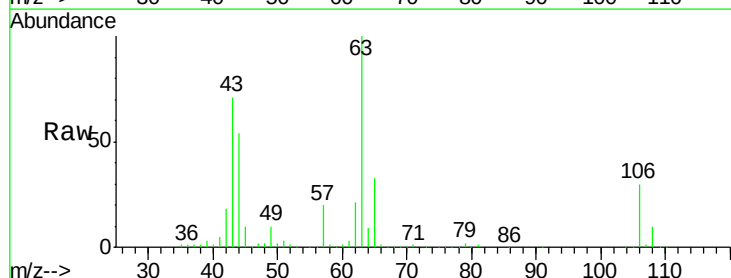
Manual Integrations
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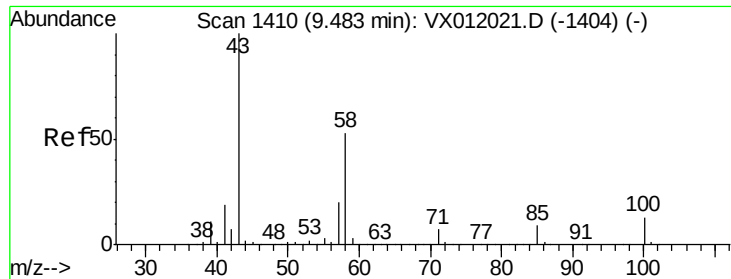
MMDadoda
 9/9/2019 10:50:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.533 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion: 63 Resp: 189914
 Ion Ratio Lower Upper
 63 100
 106 29.3 26.5 39.7





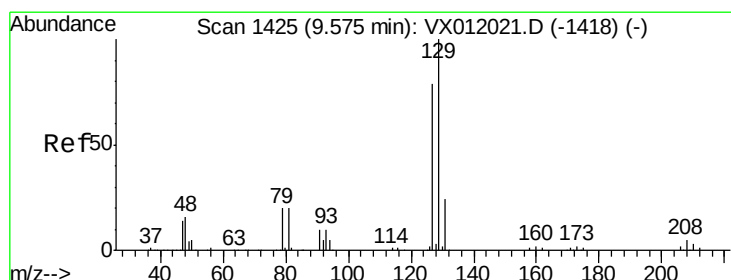
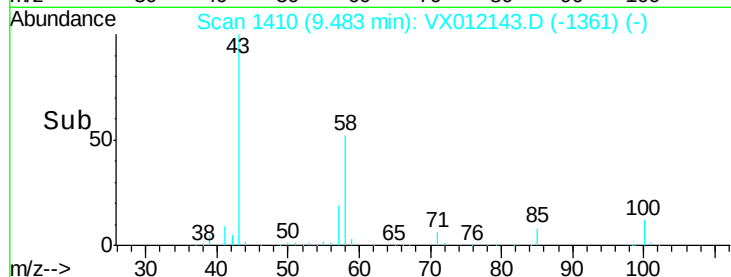
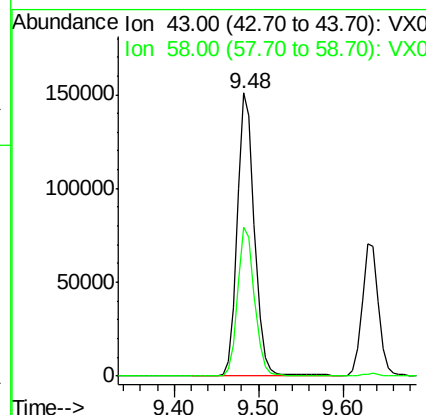
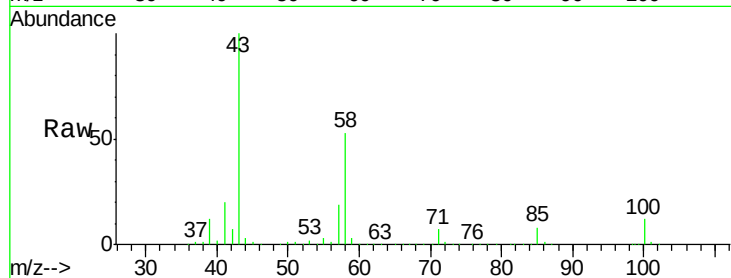
#59
2-Hexanone
Concen: 250.234 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	27.2	81.6

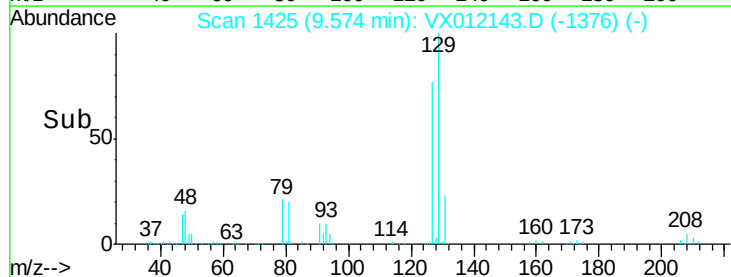
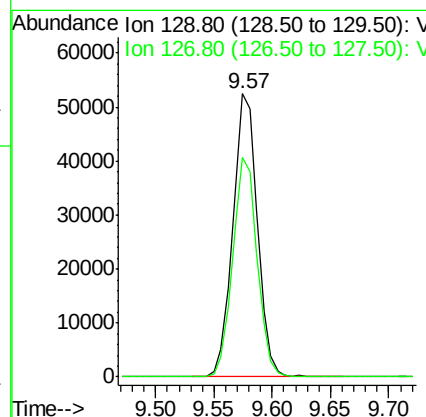
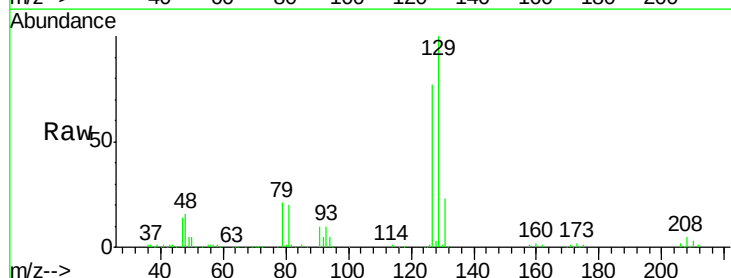
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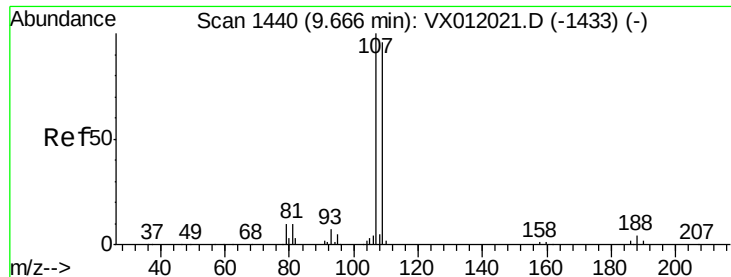
MMDadoda
9/9/2019 10:50:18 AM



#60
Dibromochloromethane
Concen: 51.375 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.5





#61

1,2-Dibromoethane

Concen: 50.788 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 61538

Ion Ratio Lower Upper

107 100

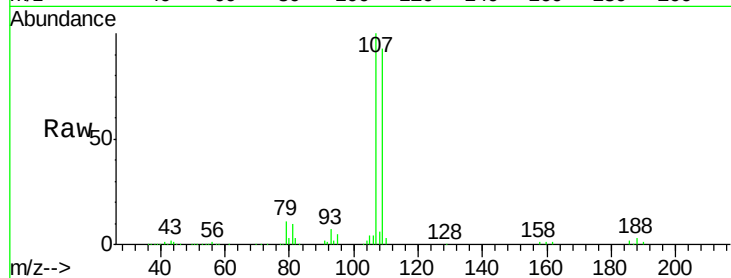
109 95.3 76.9 115.3

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9/9/2019 10:50:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

30000

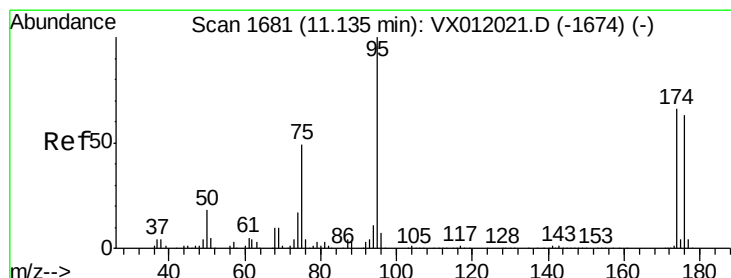
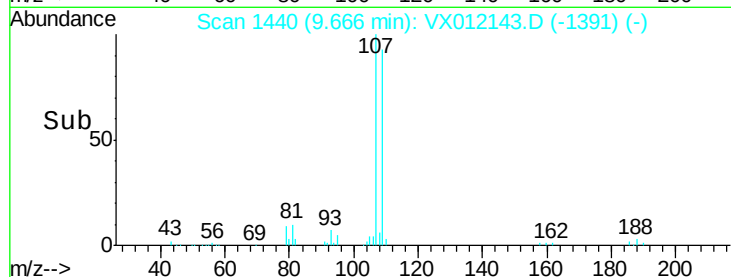
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.307 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

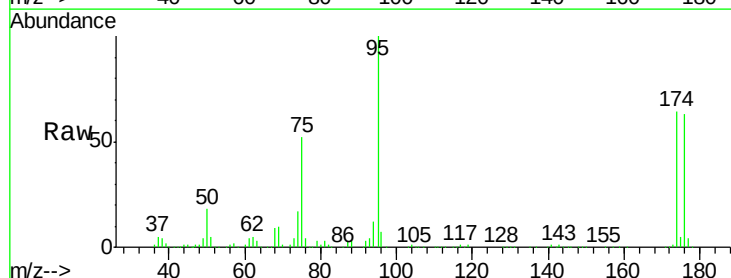
Tgt Ion: 95 Resp: 114186

Ion Ratio Lower Upper

95 100

174 62.5 0.0 205.4

176 61.2 0.0 201.8



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

120000

100000

80000

60000

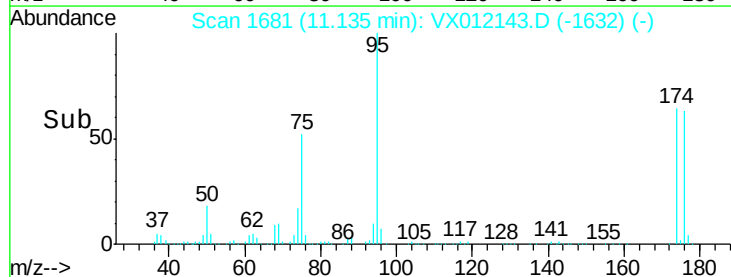
40000

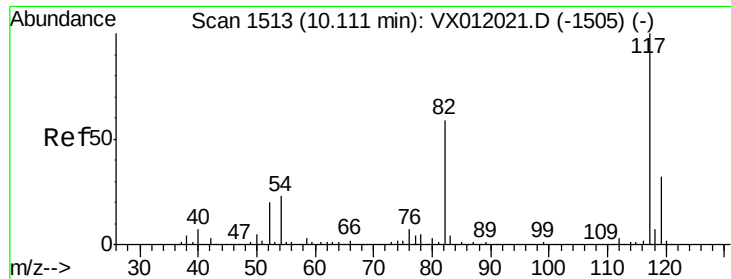
20000

0

11.10 11.20

Time-->





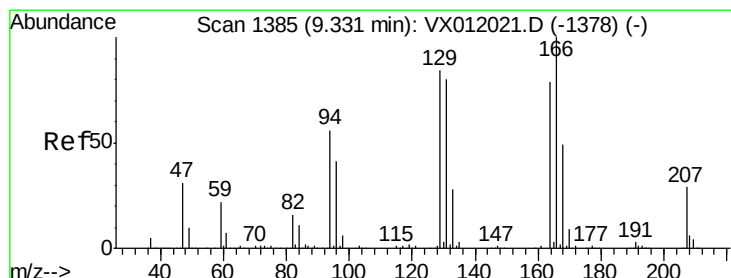
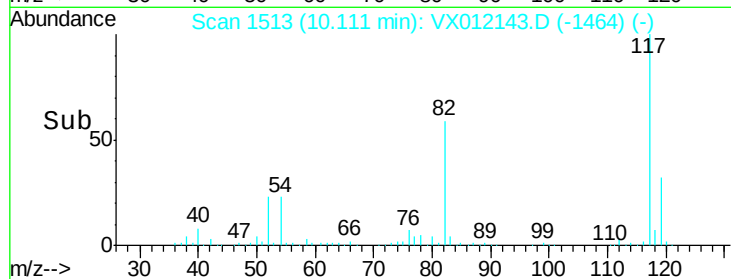
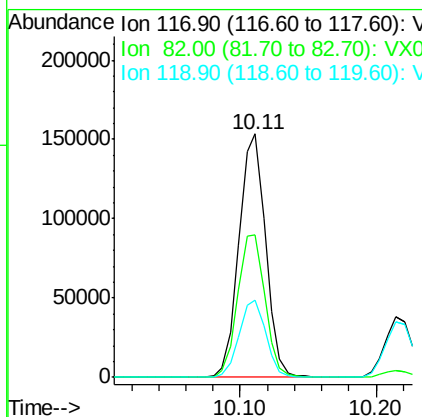
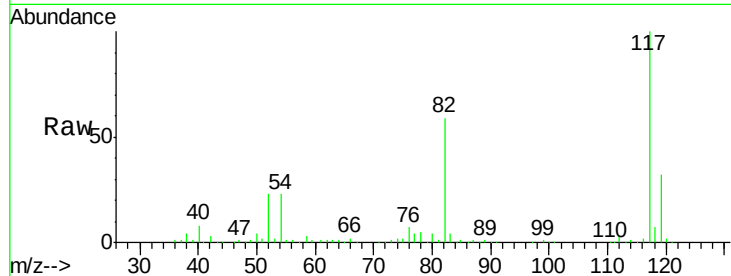
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	39.4	59.0
119	31.8	26.1	39.1

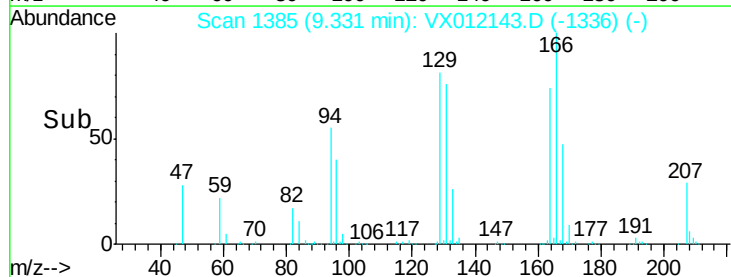
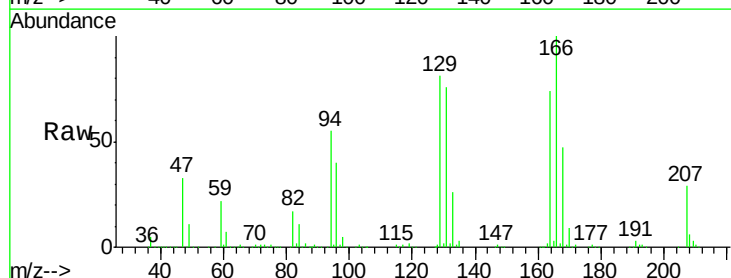
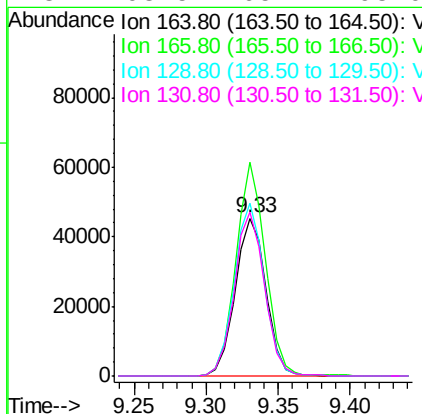
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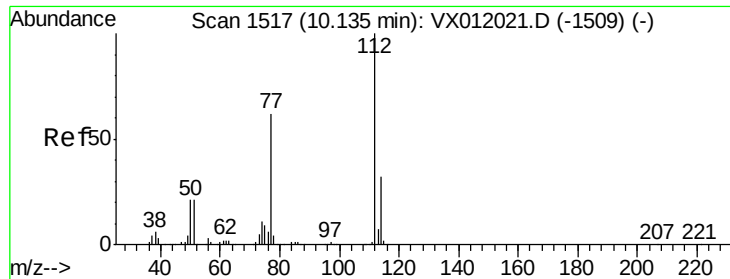
MMDadoda
9/9/2019 10:50:18 AM



#64
Tetrachloroethene
Concen: 51.331 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.4	104.3	156.5
129	109.4	68.3	102.5#
131	103.5	65.4	98.0#





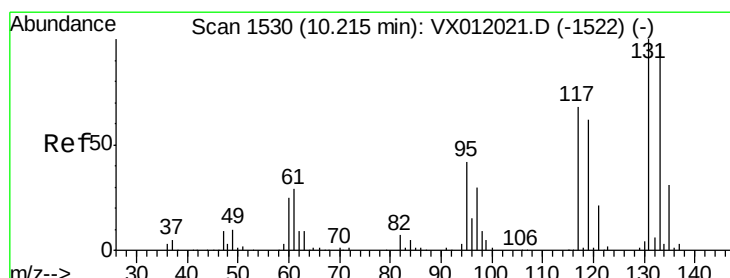
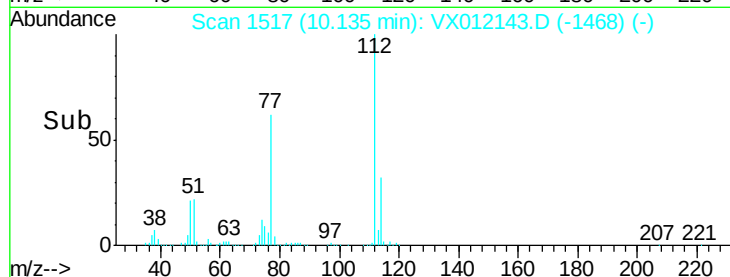
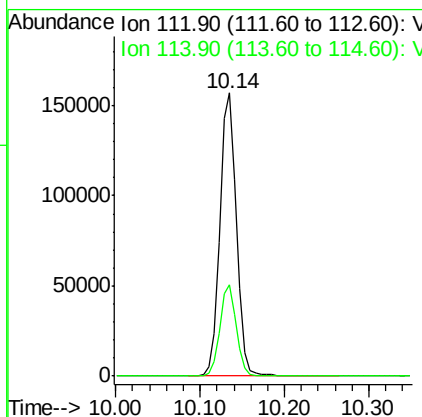
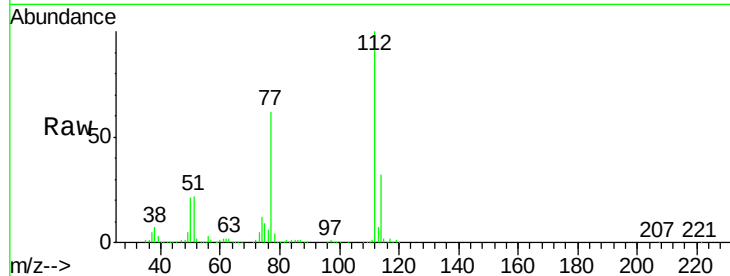
#65
Chlorobenzene
Concen: 51.472 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.2

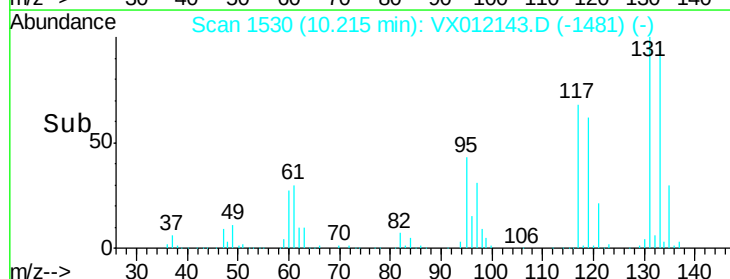
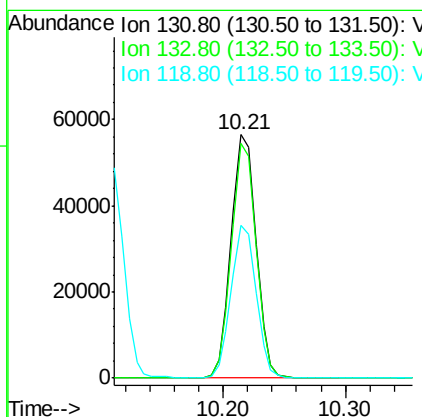
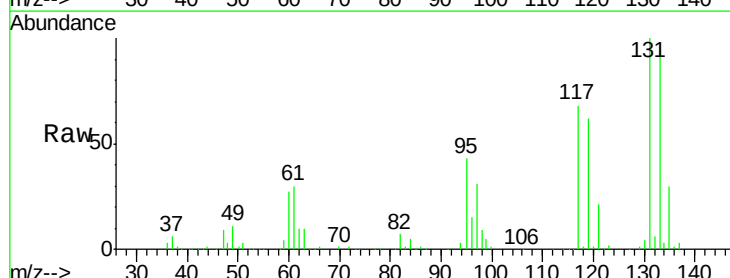
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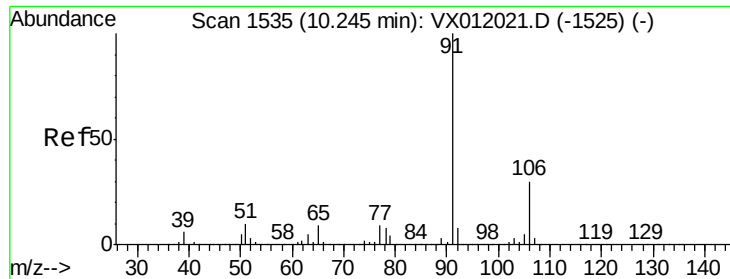
MMDadoda
9/9/2019 10:50:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.664 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.4	145.0
119	63.1	30.5	91.5





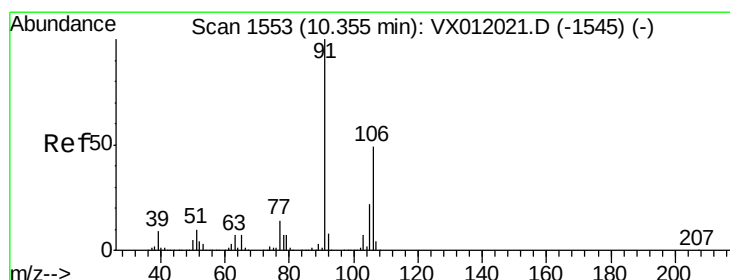
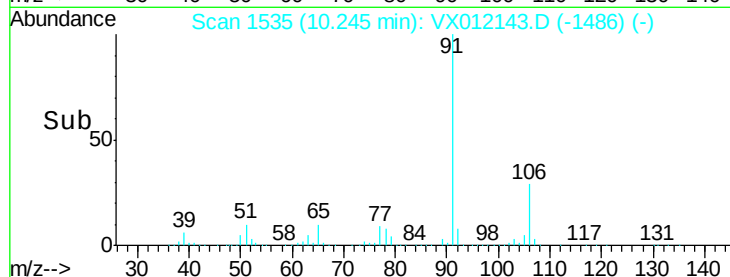
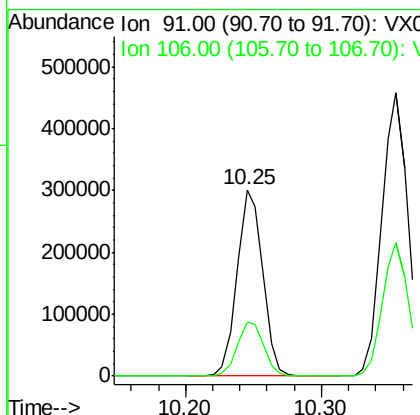
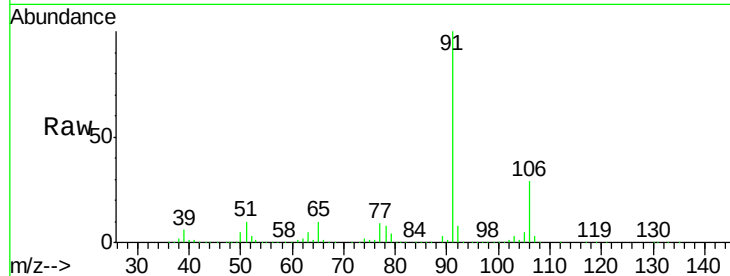
#67
Ethyl Benzene
Concen: 52.197 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 394352
Ion Ratio Lower Upper
91 100
106 29.3 25.8 38.8

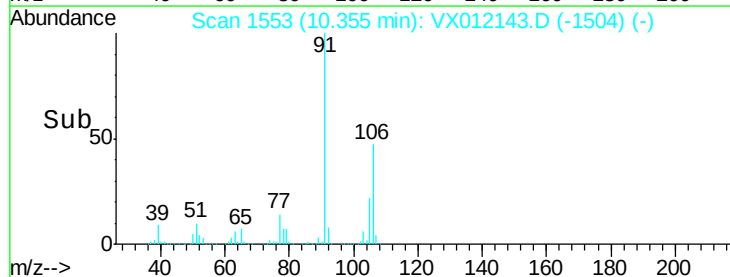
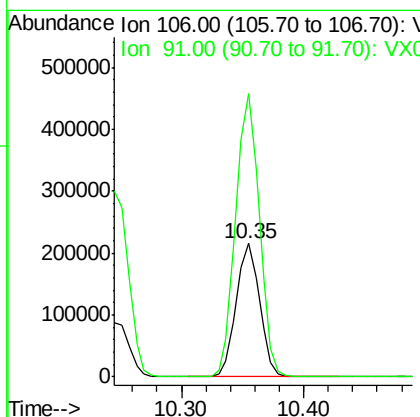
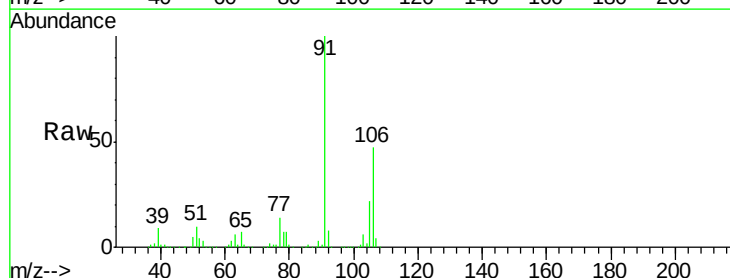
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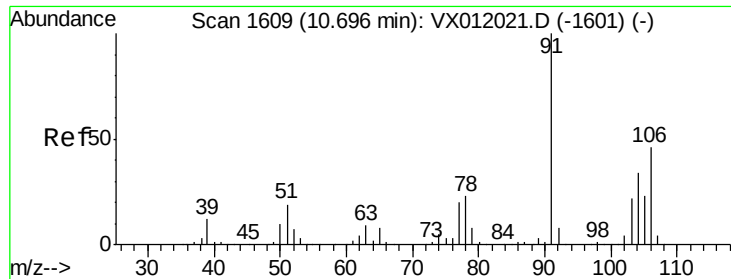
MMDadoda
9/9/2019 10:50:18 AM



#68
m/p-Xylenes
Concen: 102.631 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion: 106 Resp: 285686
Ion Ratio Lower Upper
106 100
91 214.2 157.5 236.3





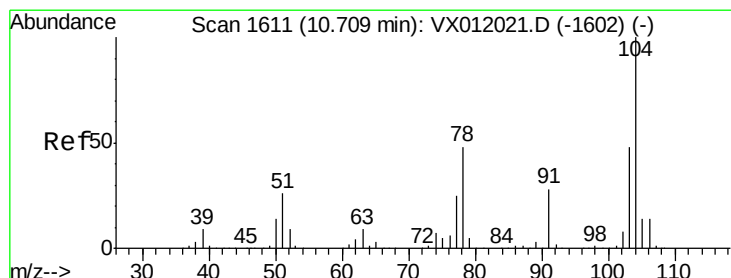
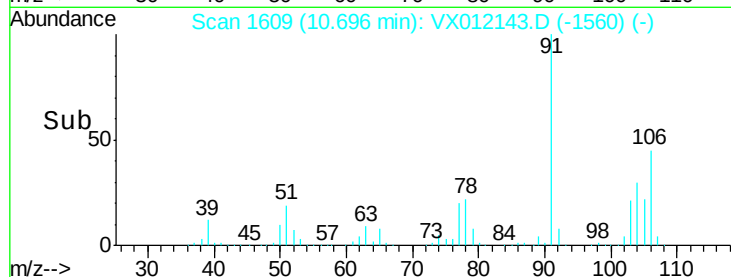
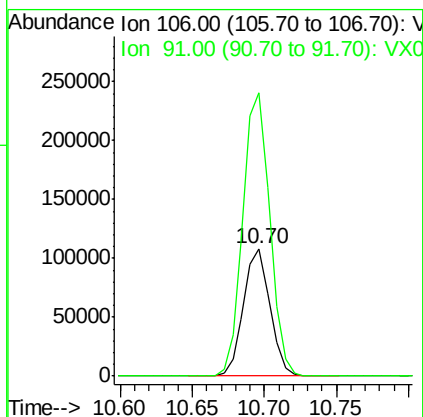
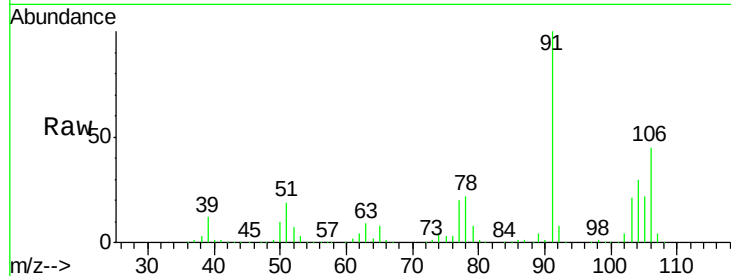
#69
o-Xylene
Concen: 51.124 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		137996		
91	226.8	103.5	310.3		

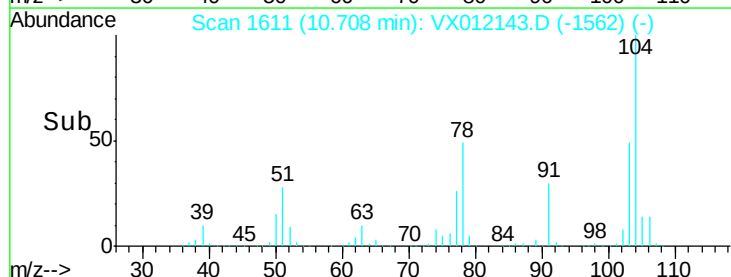
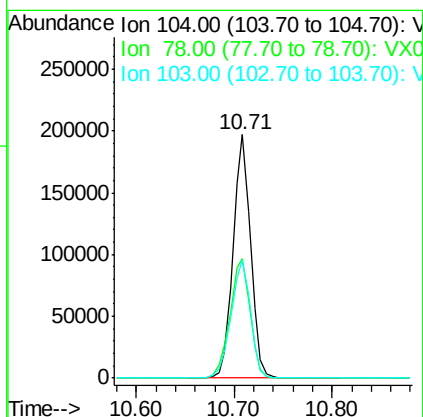
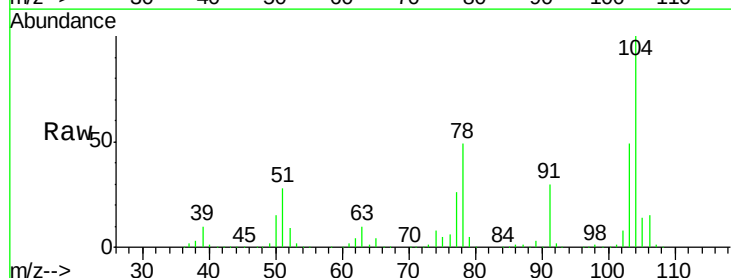
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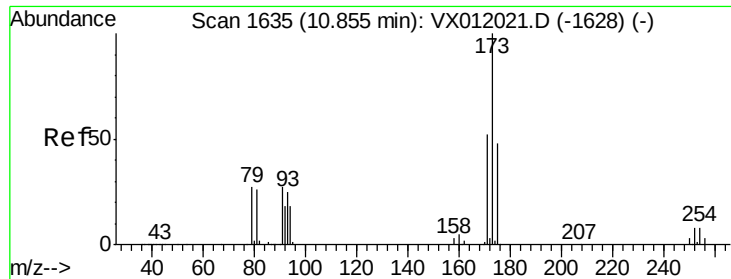
MMDadoda
9/9/2019 10:50:18 AM



#70
Styrene
Concen: 52.181 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		244644		
78	56.4	39.1	58.7		
103	54.3	43.4	65.2		





#71

Bromoform

Concen: 48.727 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

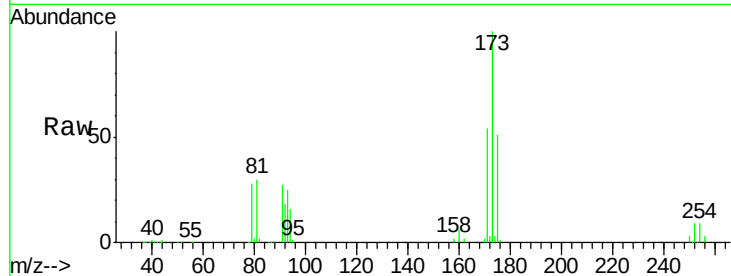
ClientSampleId :

VSTDCCC050

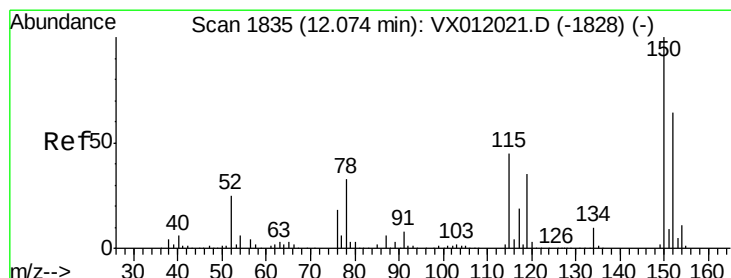
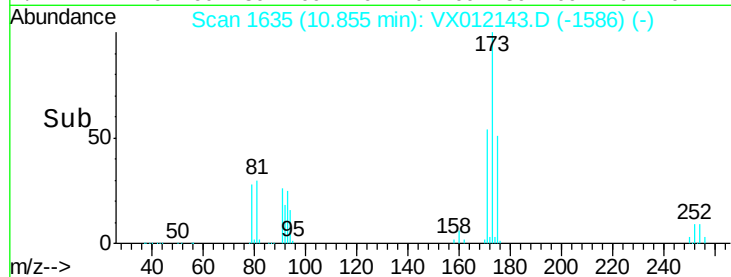
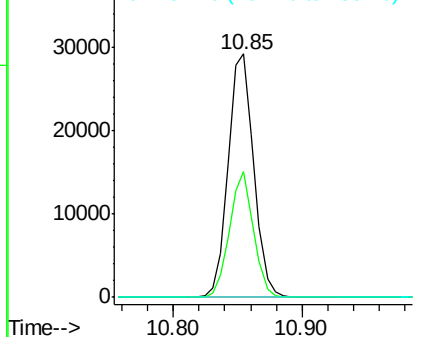
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.7
254	0.0	0.1	0.1

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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

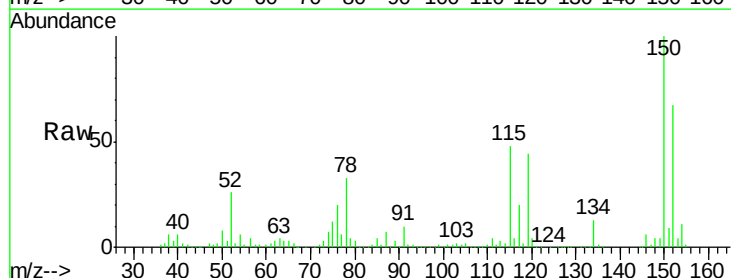
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

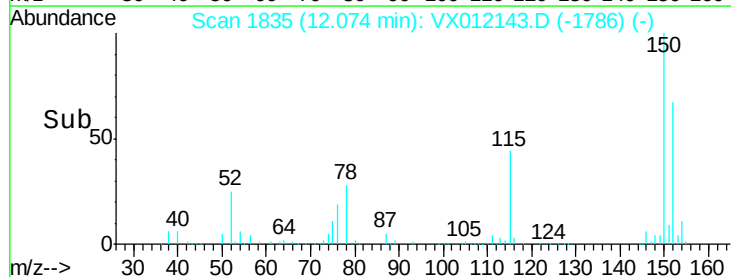
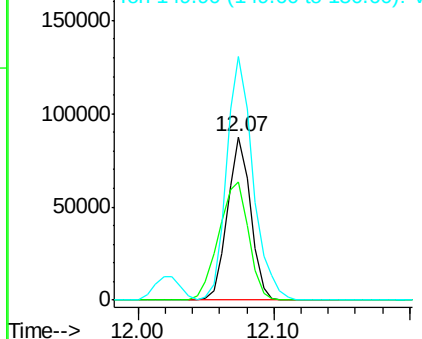
Lab File: VX012143.D

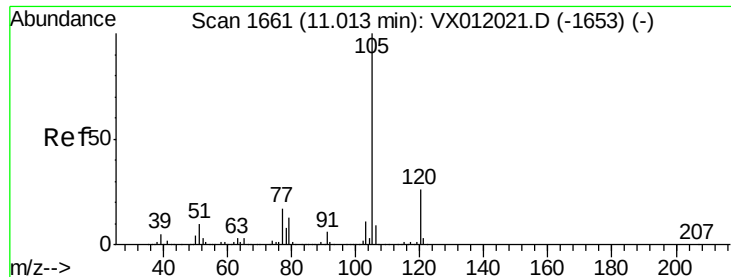
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	93.7	36.4	109.3
150	170.9	0.0	341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





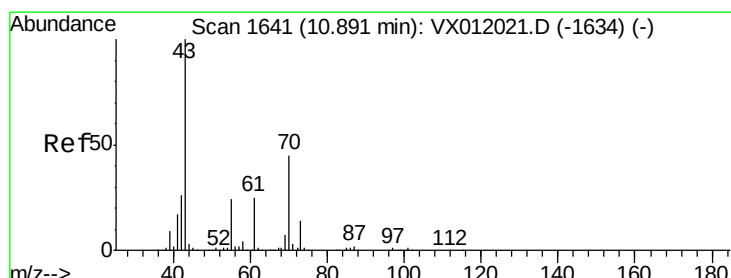
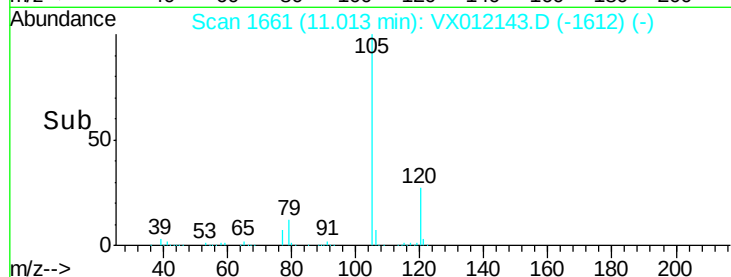
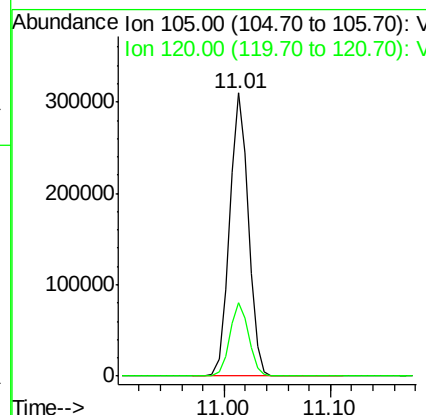
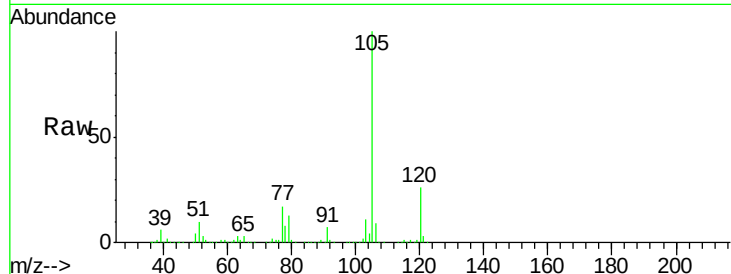
#73
Isopropylbenzene
Concen: 50.692 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.9	41.6

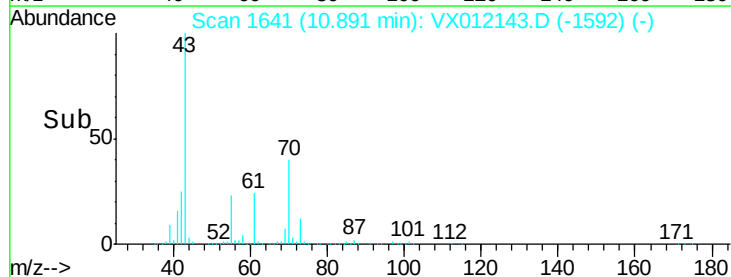
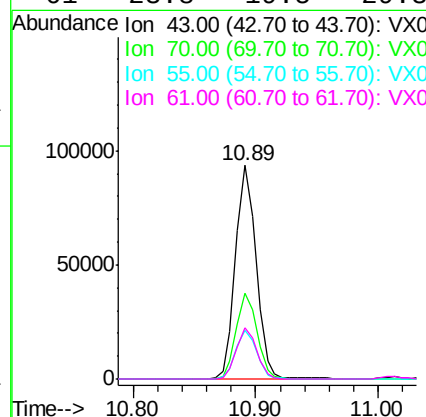
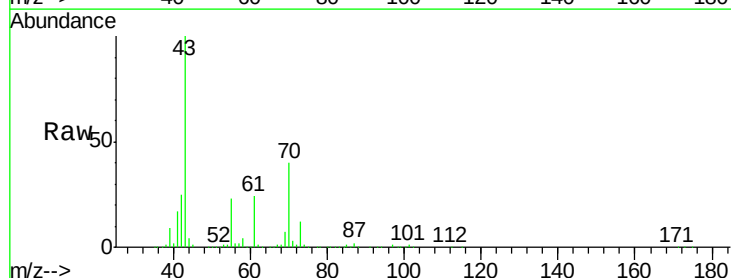
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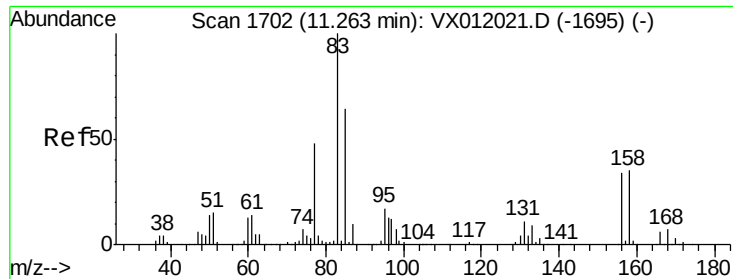
MMDadoda
9/9/2019 10:50:18 AM



#74
N-ethyl acetate
Concen: 48.577 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	34.4	51.6
55	23.8	18.5	27.7
61	23.8	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.427 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

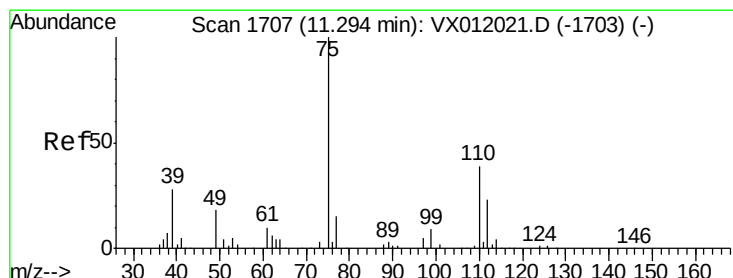
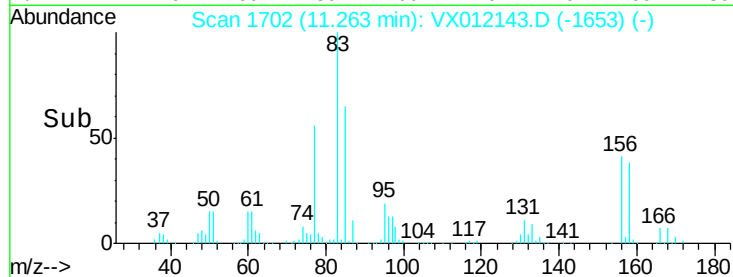
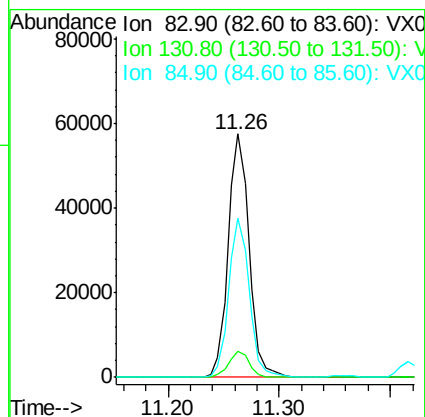
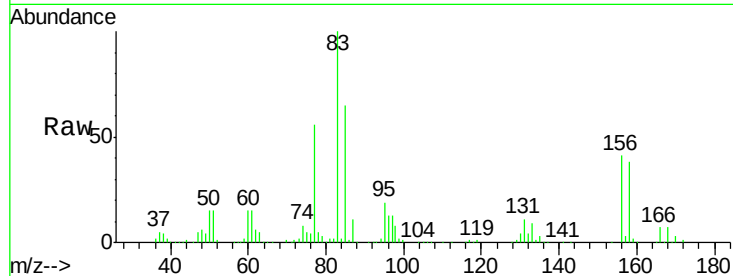
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	74713
Ion Ratio	Lower	Upper	
83	100		
131	10.8	6.3	19.1
85	64.8	32.5	97.4

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9/9/2019 10:50:18 AM



#76

1,2,3-Trichloropropane

Concen: 47.087 ug/l m

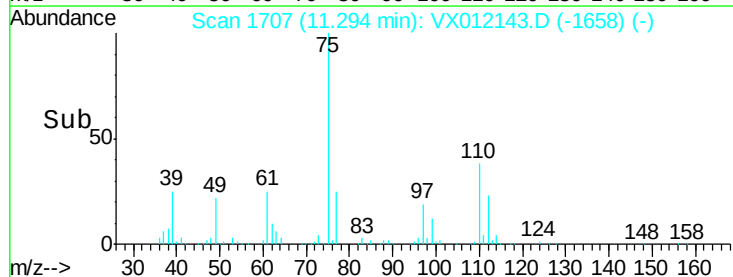
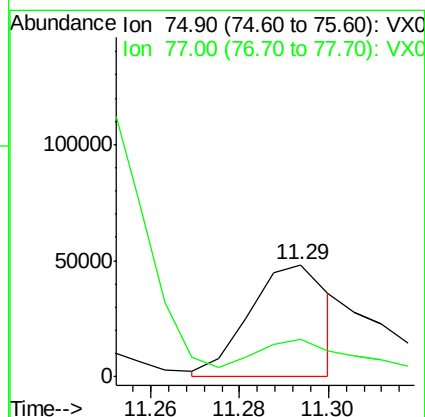
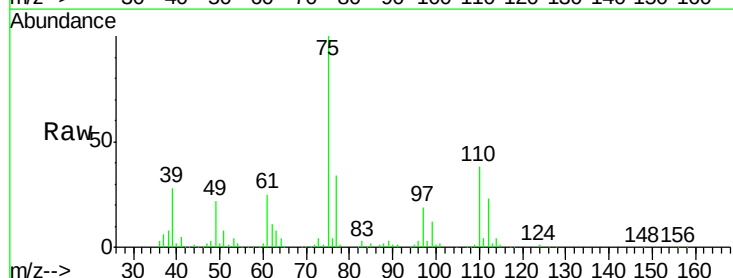
RT: 11.29 min Scan# 1707

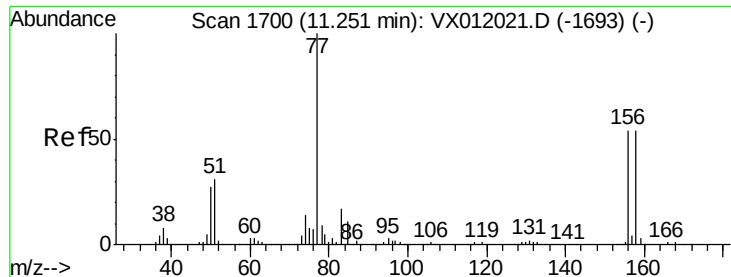
Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Tgt Ion:	75	Resp:	59253
Ion Ratio	Lower	Upper	
75	100		
77	44.8	23.5	70.5





#77

Bromobenzene

Concen: 51.275 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 86656

Ion Ratio Lower Upper

156 100

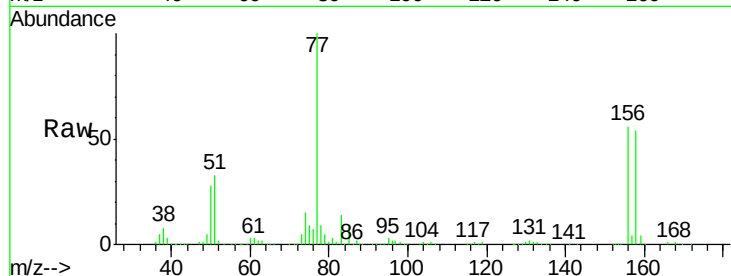
77 187.2 63.4 190.2

158 95.3 48.9 146.6

Manual Integrations
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MMDadoda

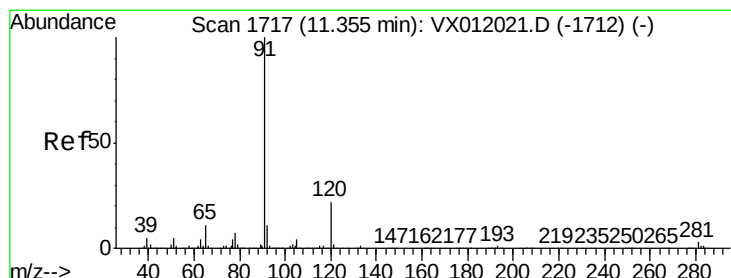
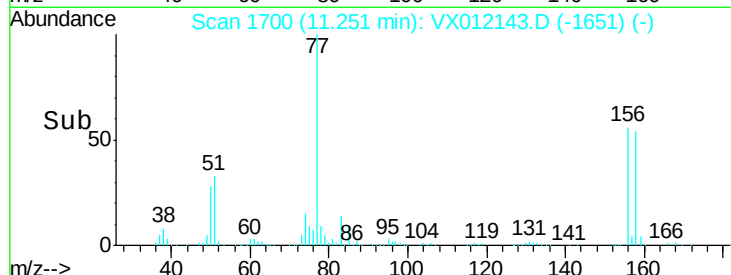
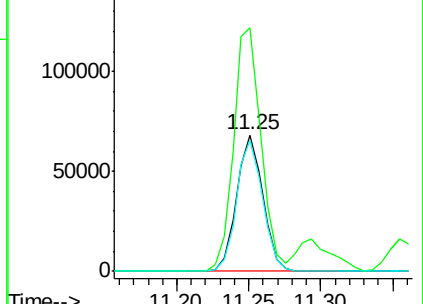
9/9/2019 10:50:18 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.090 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012143.D

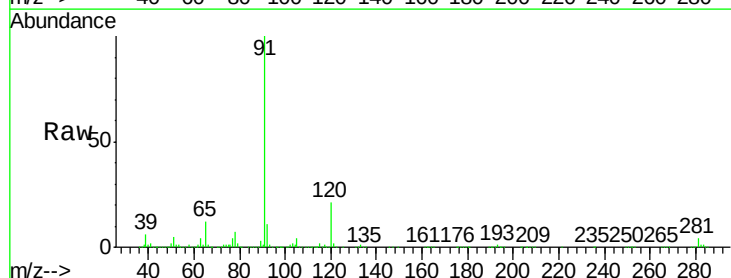
Acq: 06 Sep 2019 12:47

Tgt Ion: 91 Resp: 466410

Ion Ratio Lower Upper

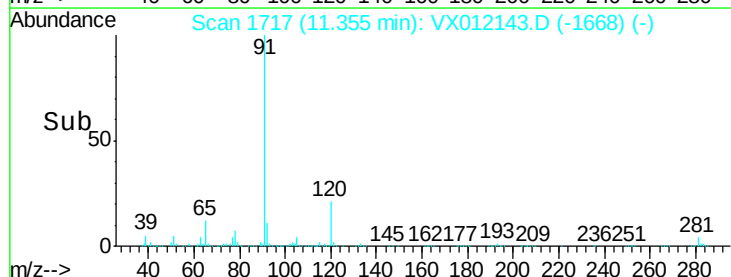
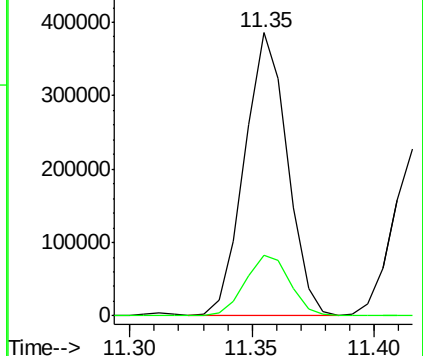
91 100

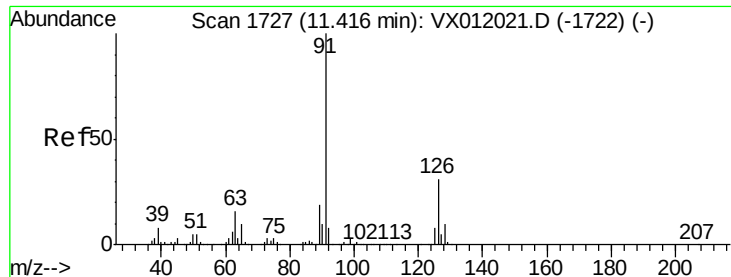
120 22.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





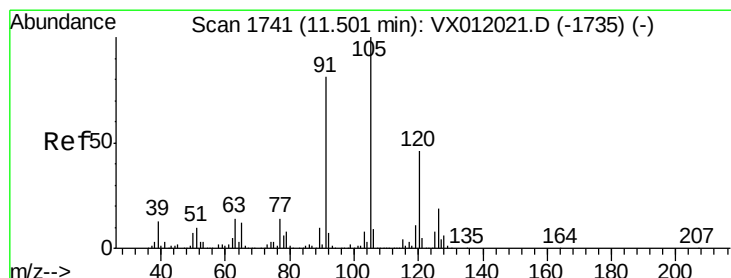
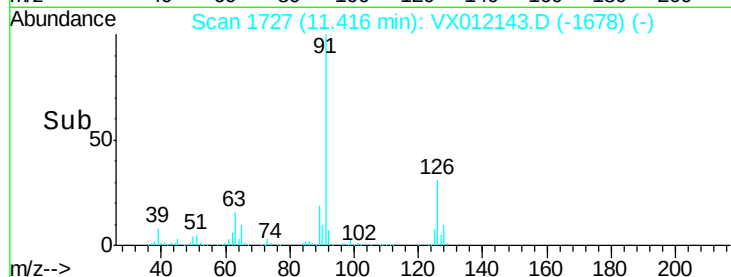
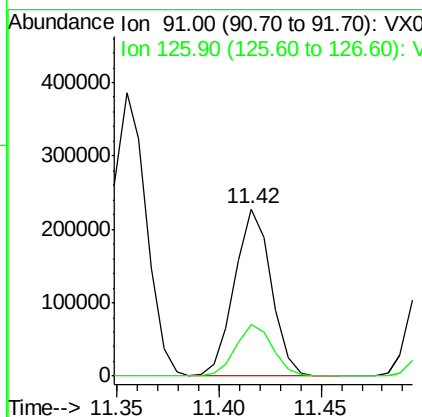
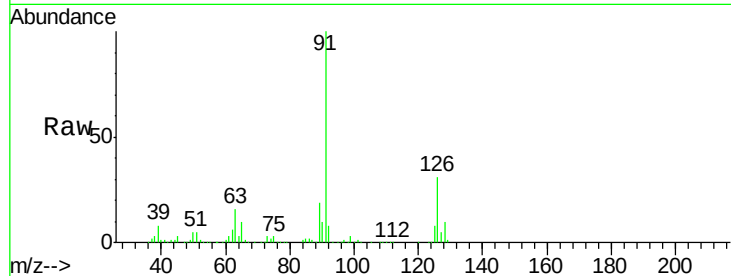
#79
 2-Chlorotoluene
 Concen: 51.038 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 282277
 Ion Ratio Lower Upper
 91 100
 126 31.2 18.6 55.8

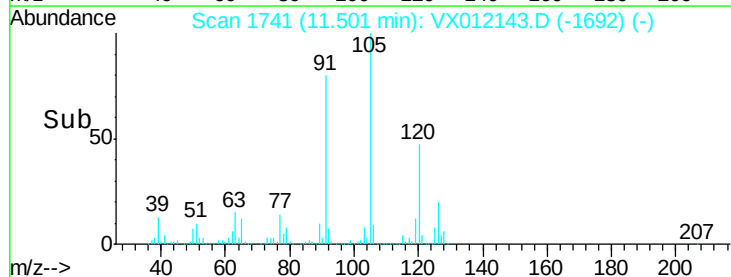
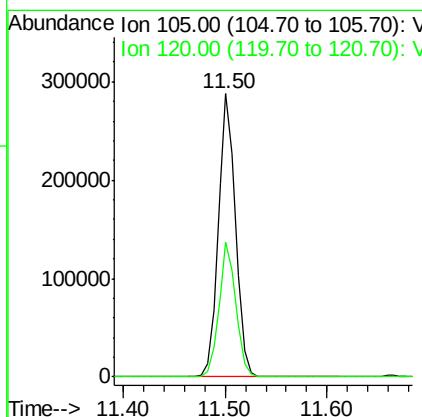
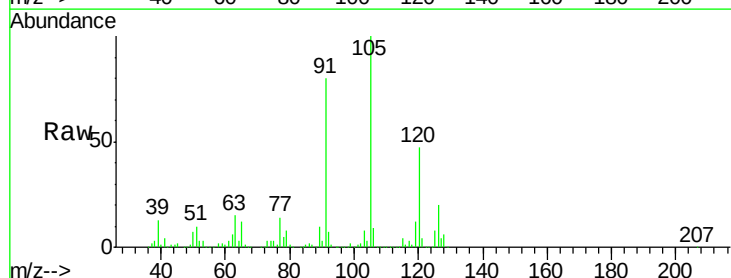
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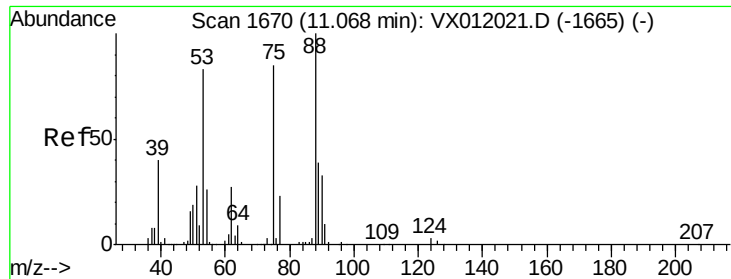
MMDadoda
 9/9/2019 10:50:18 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.467 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion: 105 Resp: 340817
 Ion Ratio Lower Upper
 105 100
 120 46.7 25.8 77.3





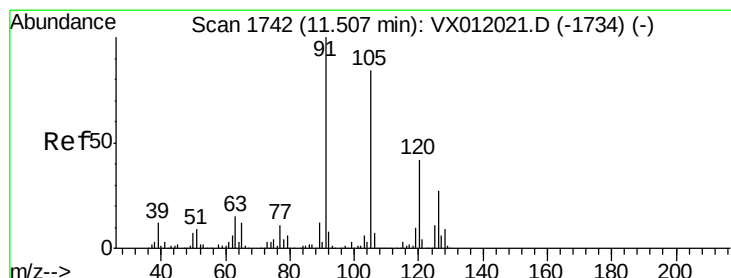
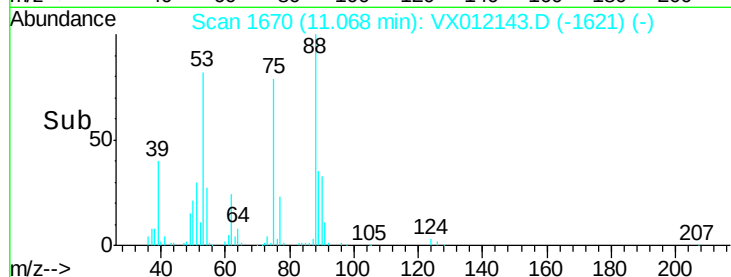
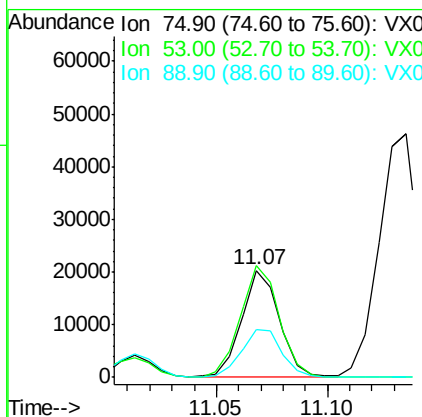
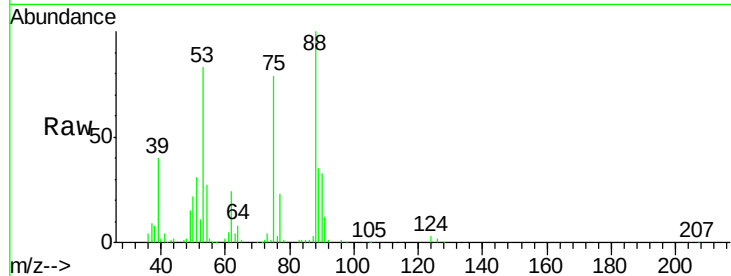
#81
trans-1,4-Dichloro-2-butene
Concen: 44.879 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	78.6	117.8
89	48.8	38.8	58.2

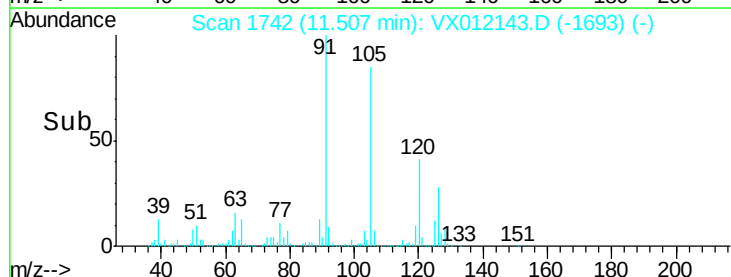
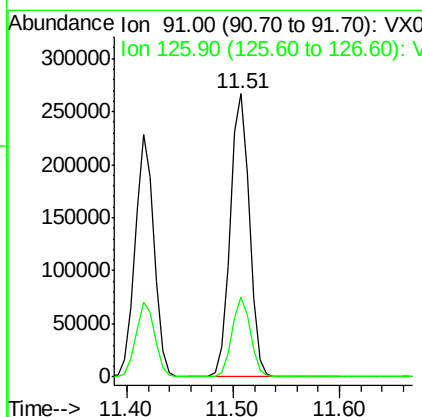
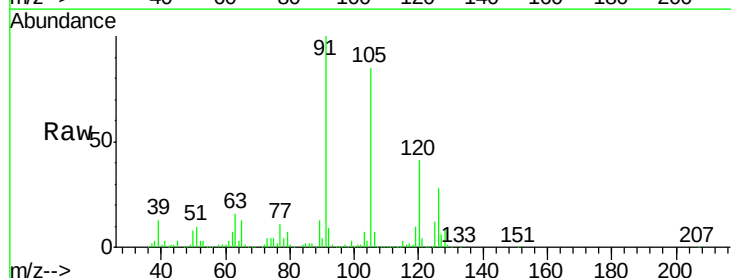
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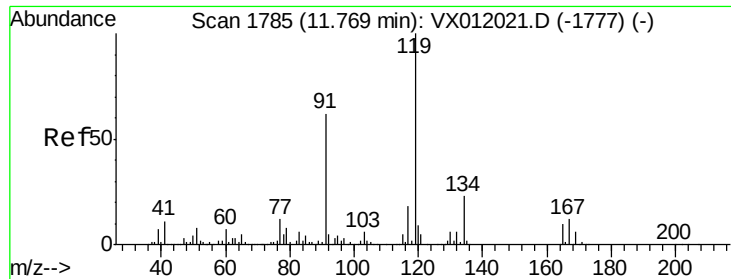
MMDadoda
9/9/2019 10:50:18 AM



#82
4-Chlorotoluene
Concen: 51.217 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	16.2	48.6





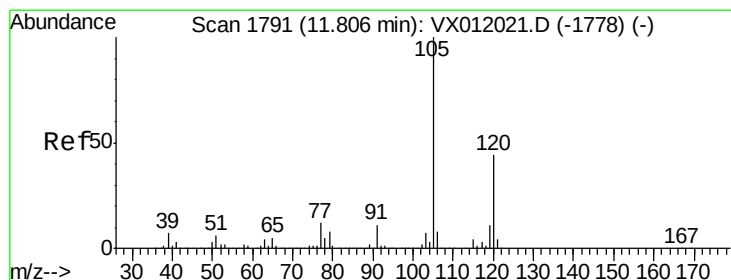
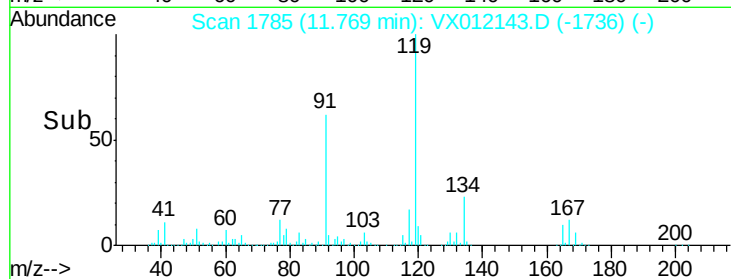
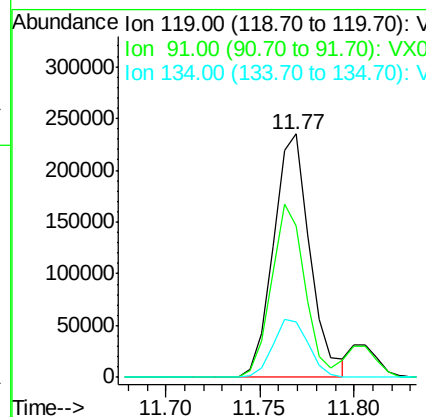
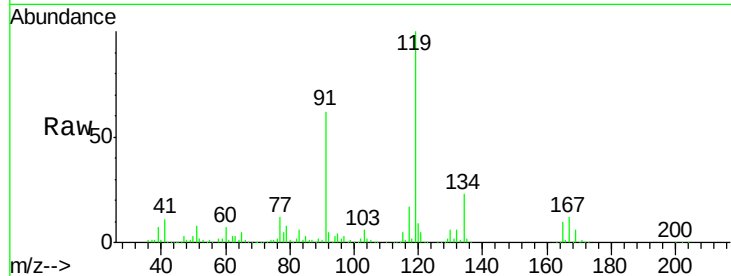
#83
 tert-Butylbenzene
 Concen: 50.006 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315620		
91	64.9	27.1	81.2	
134	23.1	12.1	36.3	

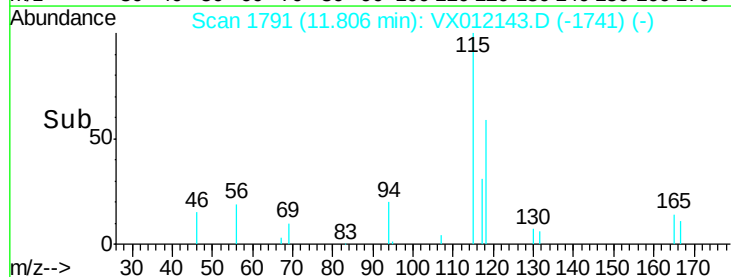
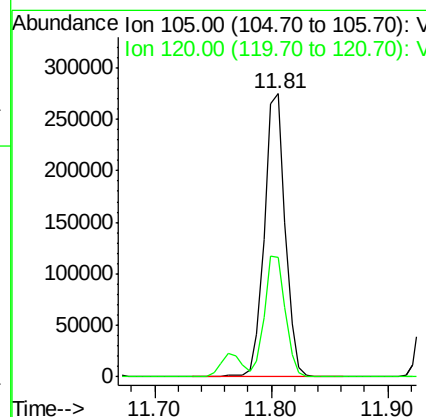
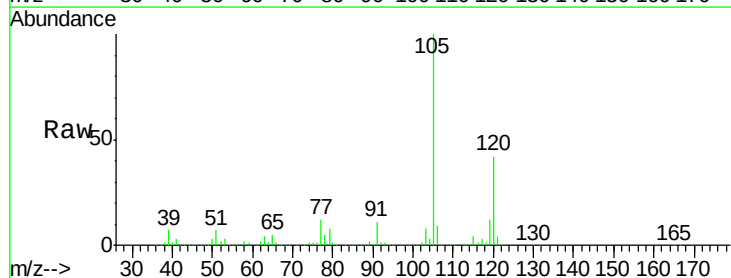
Manual Integrations
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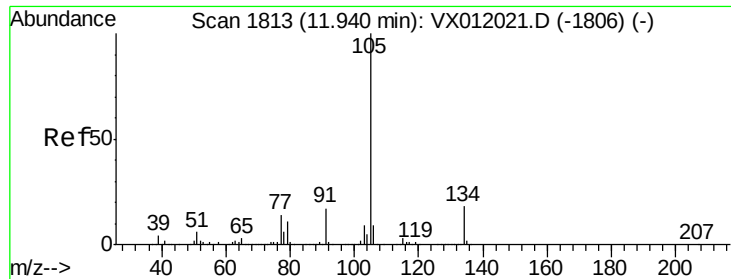
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 9/9/2019 10:50:18 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.554 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344071		
120	42.7	23.6	70.8	





#85

sec-Butylbenzene

Concen: 49.448 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 387649

Ion Ratio Lower Upper

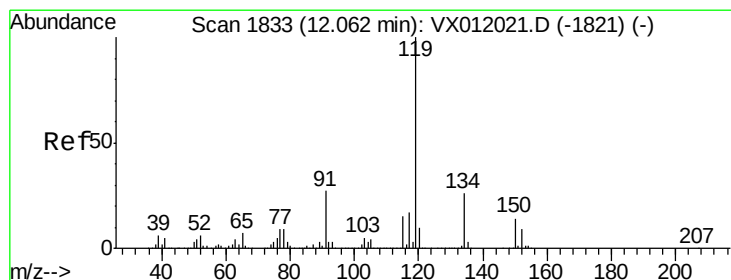
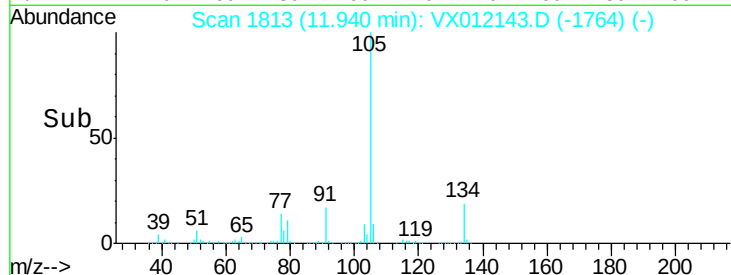
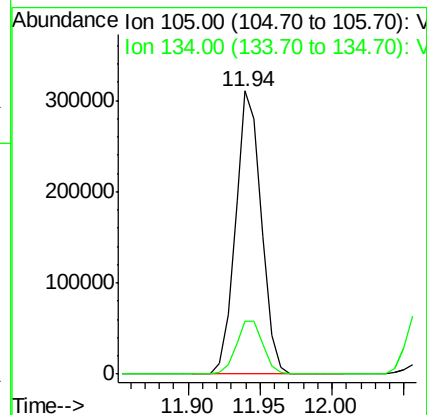
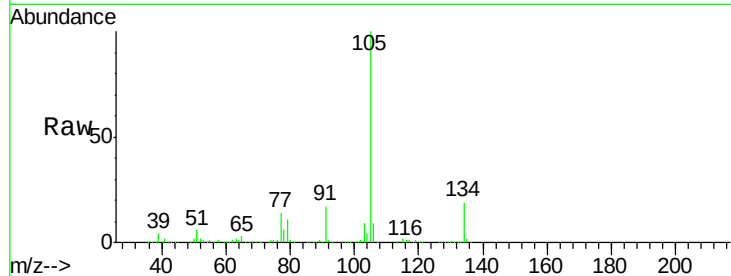
105 100

134 19.6 11.2 33.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.479 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012143.D

Acq: 06 Sep 2019 12:47

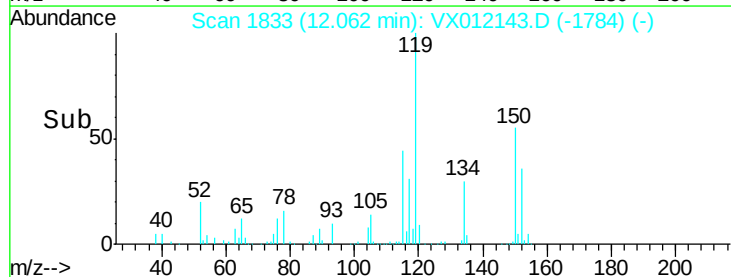
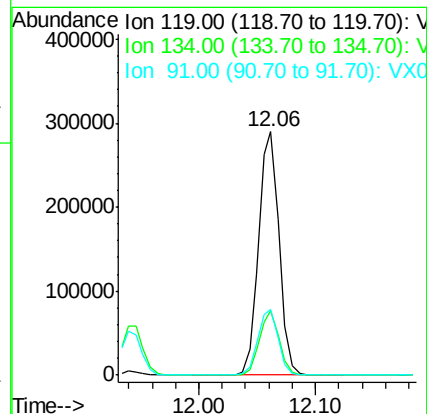
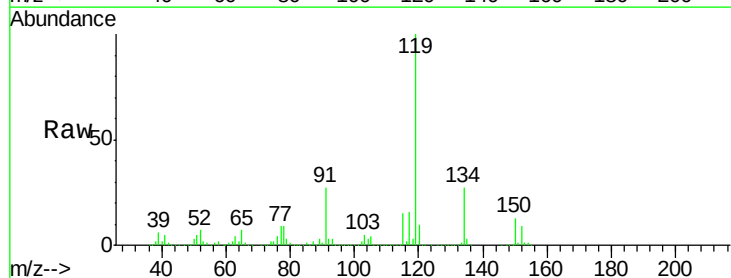
Tgt Ion:119 Resp: 352767

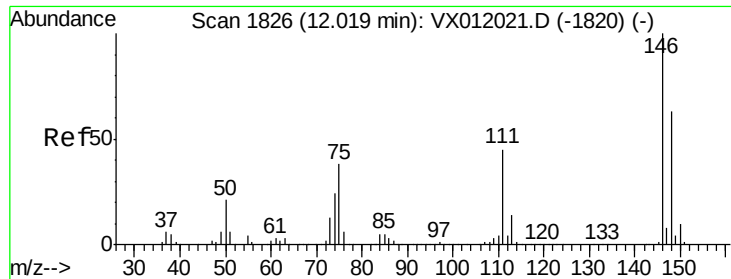
Ion Ratio Lower Upper

119 100

134 25.5 13.7 41.1

91 27.0 11.4 34.1





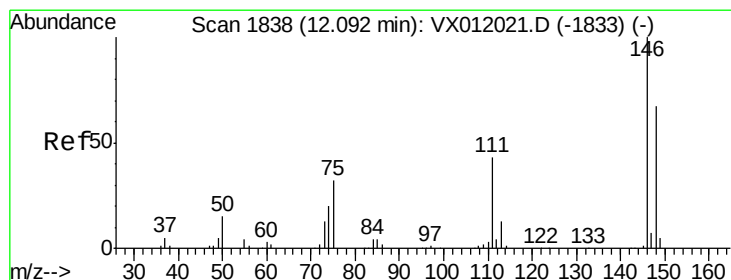
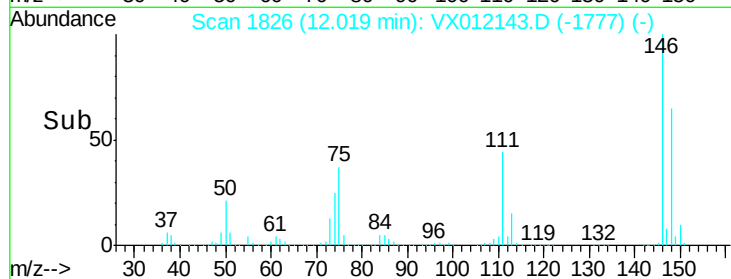
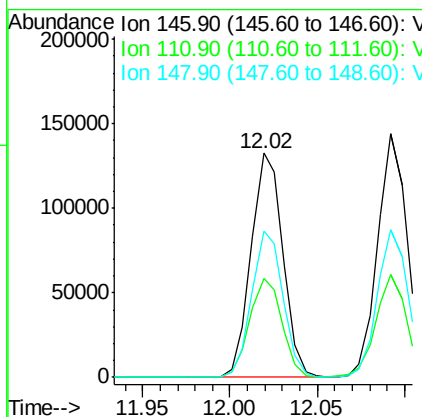
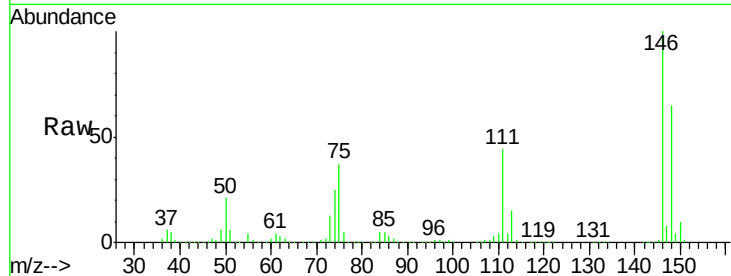
#87
 1,3-Dichlorobenzene
 Concen: 49.893 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	18.1	54.1
148	64.3	32.6	97.8

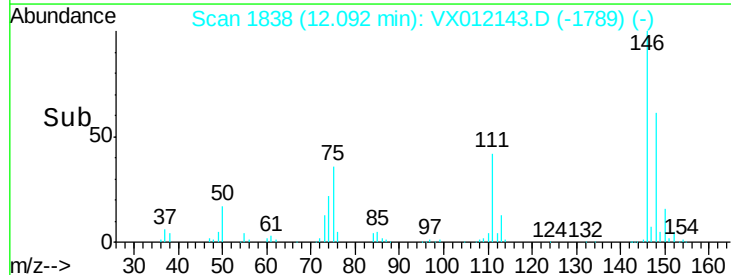
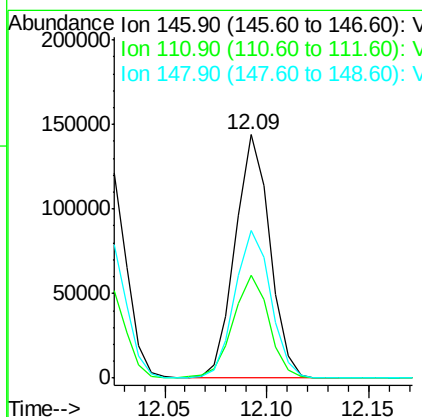
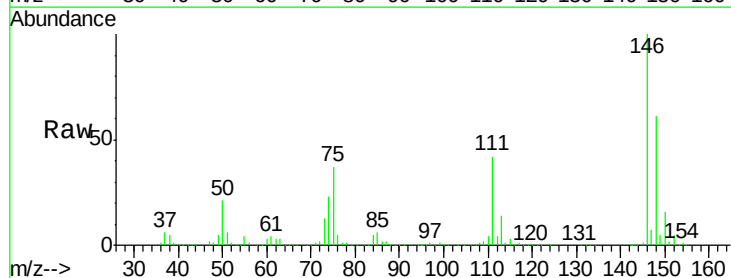
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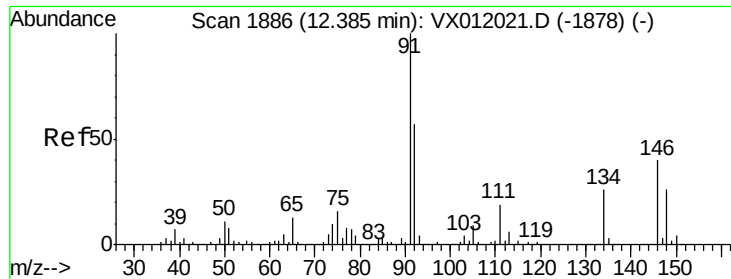
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#88
 1,4-Dichlorobenzene
 Concen: 50.036 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	17.7	53.1
148	63.2	32.4	97.0





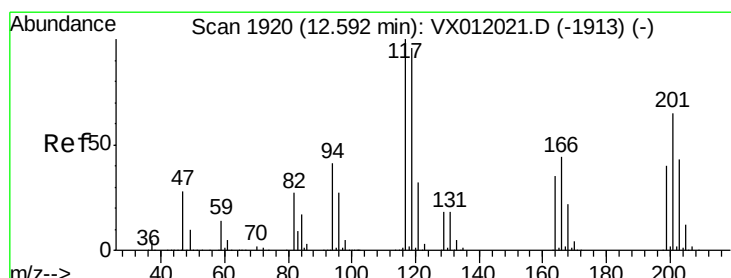
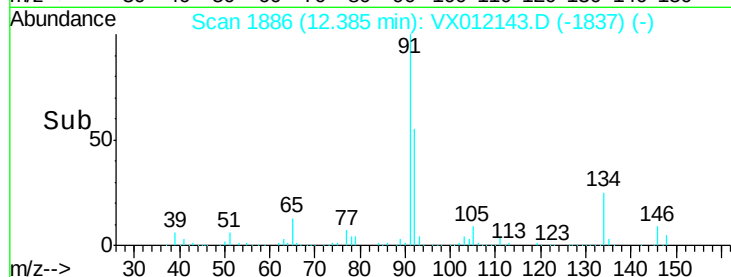
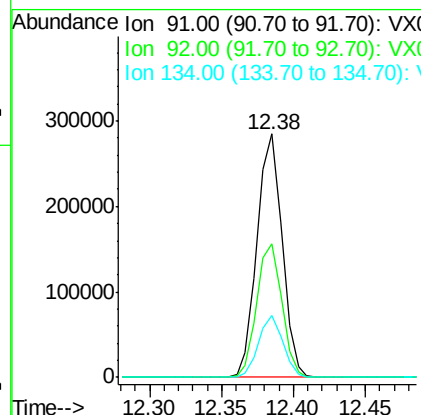
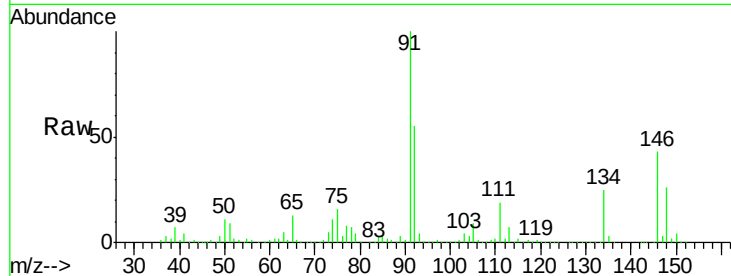
#89
n-Butylbenzene
Concen: 49.366 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	341895		
92	54.8	27.6	82.8	
134	24.8	15.4	46.1	

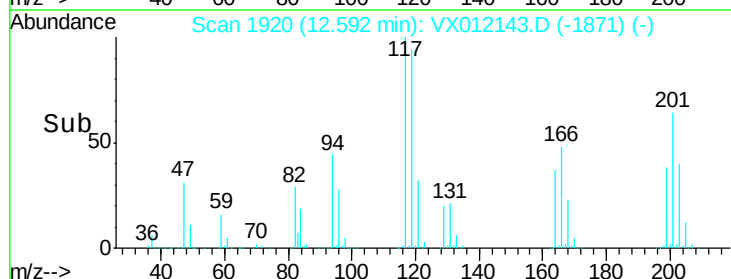
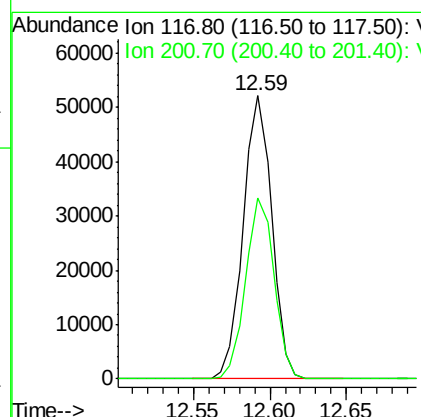
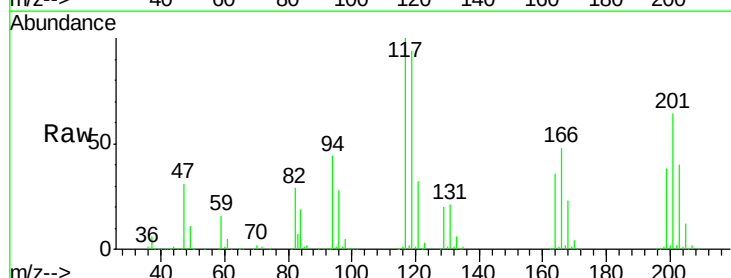
Manual Integrations
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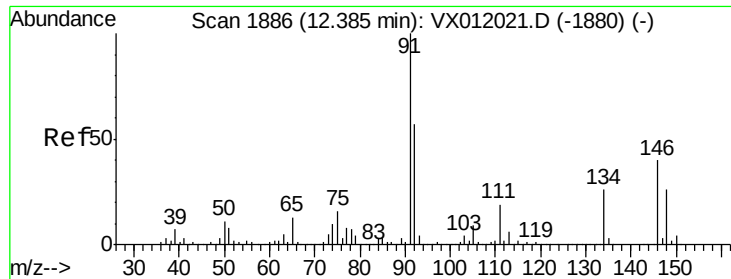
MMDadoda
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#90
Hexachloroethane
Concen: 47.509 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67632		
201	63.9	55.0	165.2	





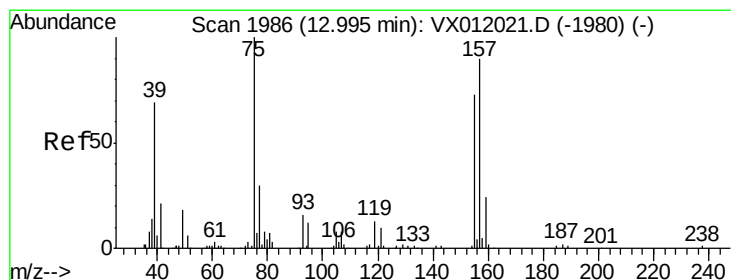
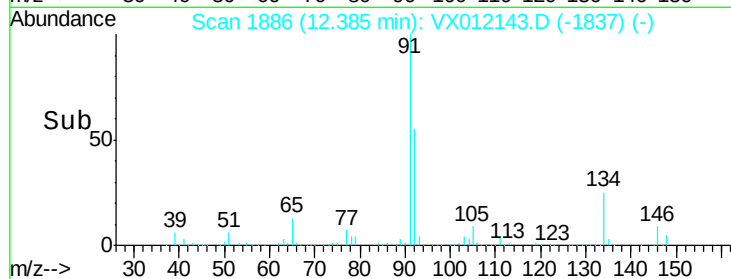
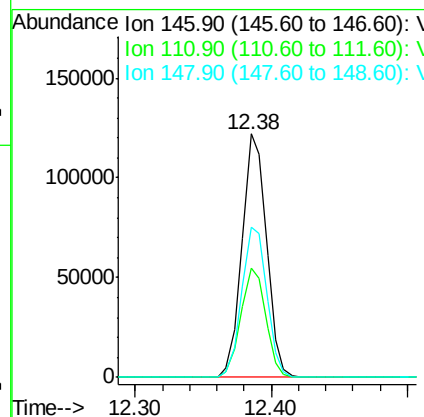
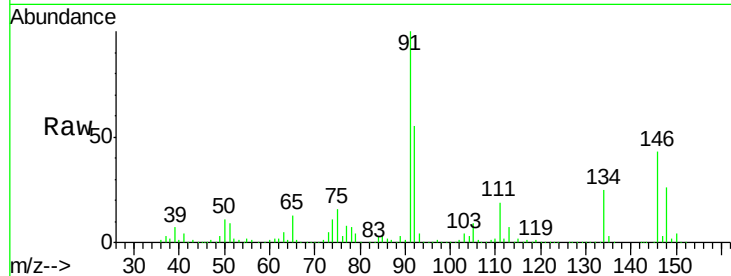
#91
 1,2-Dichlorobenzene
 Concen: 50.145 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.6	56.0
148	63.5	32.4	97.2

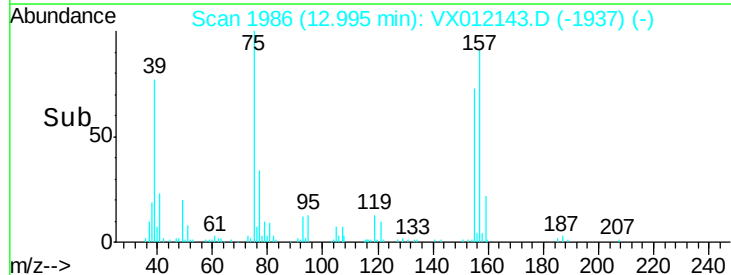
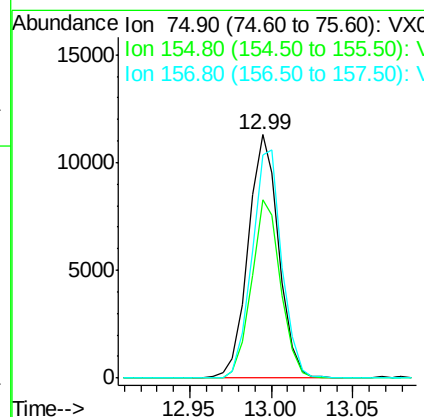
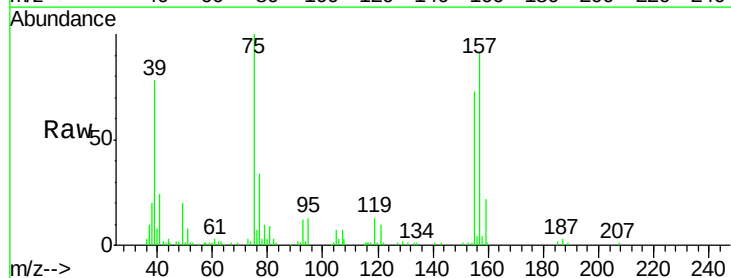
Manual Integrations
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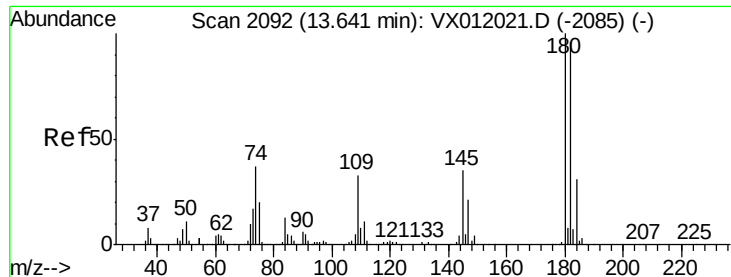
MMDadoda
 9/9/2019 10:50:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.759 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.5	51.7	155.2
157	91.2	66.9	200.7





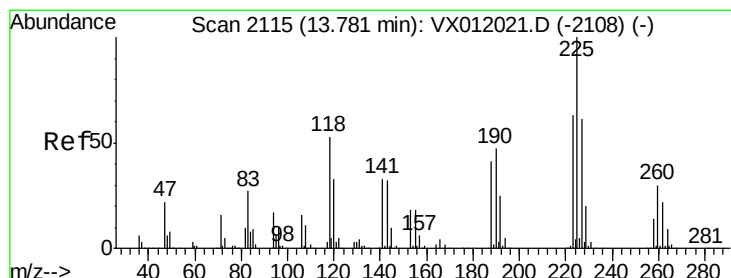
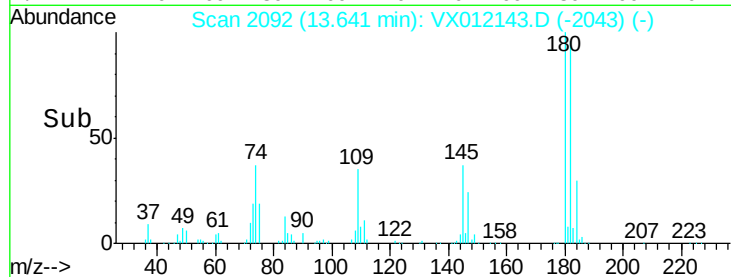
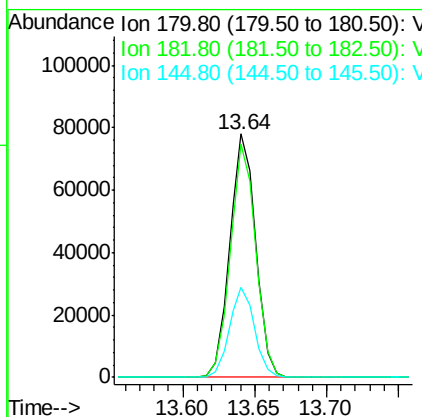
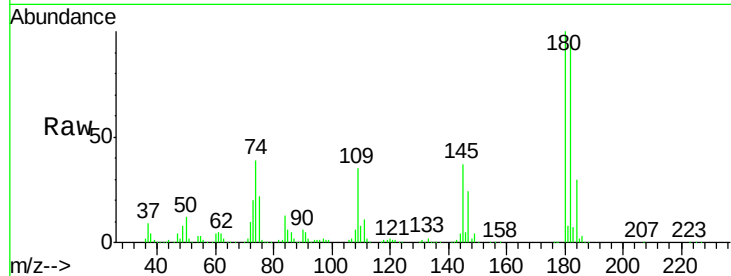
#93
 1,2,4-Trichlorobenzene
 Concen: 45.259 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98251		
182	94.5	47.3	142.0	
145	35.9	13.7	41.0	

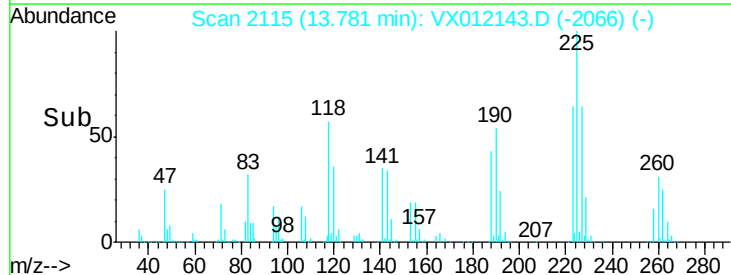
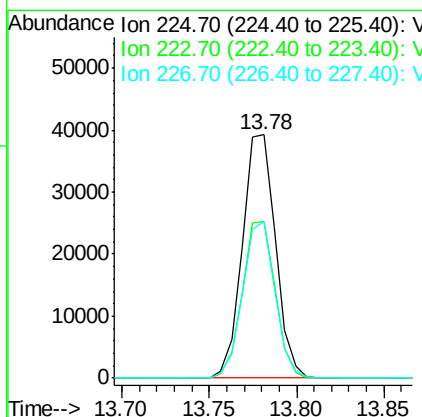
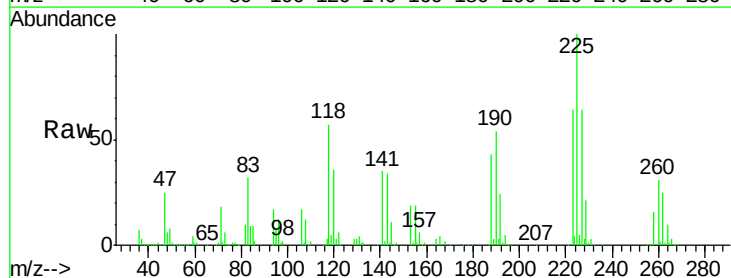
Manual Integrations
 APPROVED

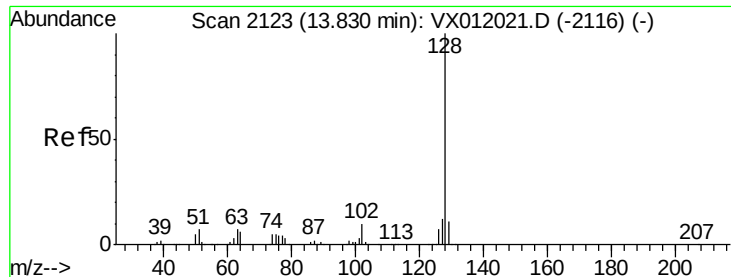
MMDadoda
 9/9/2019 10:50:18 AM



#94
 Hexachlorobutadiene
 Concen: 47.153 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012143.D
 Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51599		
223	63.9	31.6	95.0	
227	62.5	32.5	97.5	





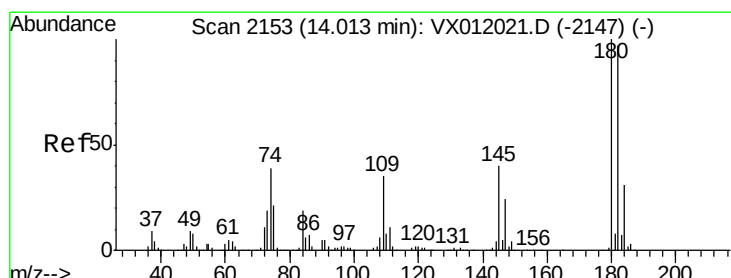
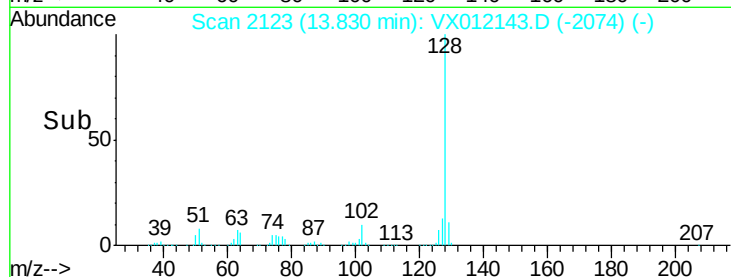
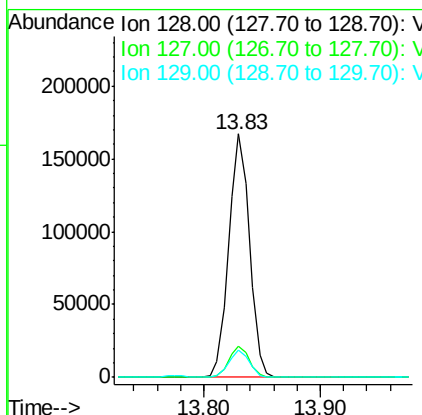
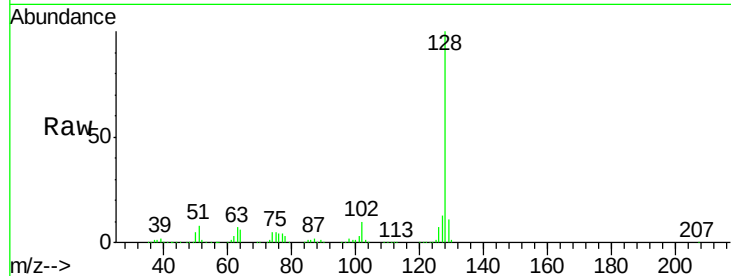
#95
Naphthalene
Concen: 44.070 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.739 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012143.D
Acq: 06 Sep 2019 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.6
145	36.9	14.1	42.4

