

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022420\
 Data File : VX015002.D
 Acq On : 24 Feb 2020 11:57
 Operator : JC/SP
 Sample : L1583-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 25 00:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	432706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	672108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	239990	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	5.49	113	203359	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	822368	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.13	95	307220	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1039	0.254	ug/l #	29
3) Chloromethane	1.32	50	1373	0.296	ug/l	98
5) Bromomethane	1.65	94	1367	0.422	ug/l #	77
6) Chloroethane	1.72	64	1166	0.364	ug/l	92
10) Methyl Iodide	2.51	142	2823	4.938	ug/l #	95
11) Tert butyl alcohol	3.03	59	4705	5.457	ug/l #	72
13) Acrolein	2.30	56	770	1.172	ug/l #	15
15) Acrylonitrile	3.15	53	979	0.448	ug/l #	60
16) Acetone	2.43	43	414452	153.787	ug/l	99
17) Carbon Disulfide	2.57	76	4235	0.382	ug/l #	84
18) Methyl Acetate	2.76	43	17790	3.617	ug/l	92
19) Methyl tert-butyl Ether	3.19	73	54080	4.190	ug/l	98
20) Methylene Chloride	2.85	84	1183	0.252	ug/l #	53
22) Diisopropyl ether	3.84	45	5379	0.401	ug/l #	80
23) Vinyl Acetate	3.84	43	5934	0.536	ug/l #	71
25) 2-Butanone	4.65	43	100931	30.359	ug/l	95
29) Tetrahydrofuran	5.09	42	451	0.239	ug/l #	24
36) 1,1-Dichloropropene	5.65	75	28287	4.705	ug/l #	52
37) Ethyl Acetate	4.83	43	23698	3.779	ug/l	96
38) Carbon Tetrachloride	5.65	117	38326	6.541	ug/l #	16
40) Benzene	6.14	78	89960	5.008	ug/l	99
43) Isopropyl Acetate	6.44	43	3667	0.354	ug/l #	83
46) Dibromomethane	7.65	93	715	0.228	ug/l #	75
49) 1,4-Dioxane	7.72	88	124	1.303	ug/l #	25
51) 4-Methyl-2-Pentanone	8.64	43	8862	1.419	ug/l	99
52) Toluene	8.78	92	126266	11.067	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1438	0.211	ug/l #	45
58) 2-Chloroethyl Vinyl ether	8.33	63	904	0.249	ug/l #	73
59) 2-Hexanone	9.49	43	6301	1.283	ug/l	82
67) Ethyl Benzene	10.25	91	60234	2.706	ug/l	100
68) m/p-Xylenes	10.35	106	90839	10.595	ug/l	99
69) o-Xylene	10.70	106	62201	7.547	ug/l	97
70) Styrene	10.69	104	5243	0.376	ug/l #	1
73) Isopropylbenzene	11.01	105	21917	1.034	ug/l	98

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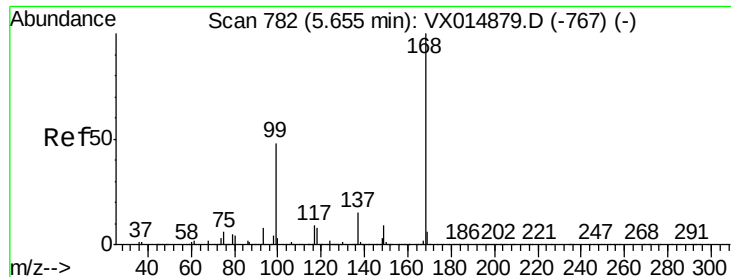
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 25 00:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	11.13	75	148782	24.343	ug/l #	41
78) n-propylbenzene	11.35	91	78306	3.194	ug/l	98
79) 2-Chlorotoluene	11.43	91	40777	2.829	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.50	105	96651	5.457	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	148782	62.310	ug/l #	12
82) 4-Chlorotoluene	11.50	91	12850	0.753	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.80	105	439032	24.599	ug/l	100
85) sec-Butylbenzene	11.94	105	39144	1.879	ug/l	88
86) p-Isopropyltoluene	12.06	119	25896	1.328	ug/l	91
87) 1,3-Dichlorobenzene	12.02	146	2542	0.240	ug/l	79
88) 1,4-Dichlorobenzene	12.02	146	2542	0.235	ug/l	80
89) n-Butylbenzene	12.38	91	85791	4.913	ug/l #	45
90) Hexachloroethane	12.58	117	11584	3.402	ug/l #	9
91) 1,2-Dichlorobenzene	12.39	146	2318	0.223	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.97	75	817	0.503	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	5183	0.675	ug/l #	1
94) Hexachlorobutadiene	13.78	225	3259	0.877	ug/l	99
95) Naphthalene	13.83	128	233527	11.433	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	4856	0.654	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

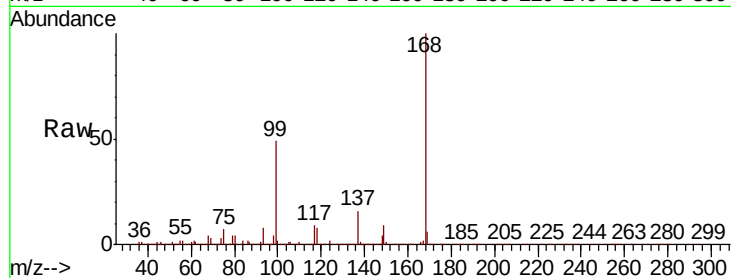
ClientSampleId :

Tot Ion:168 Resp: 432706

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

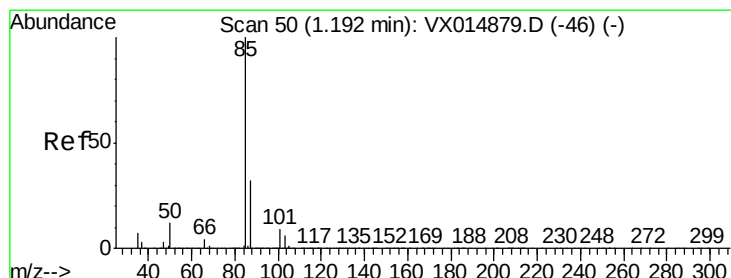
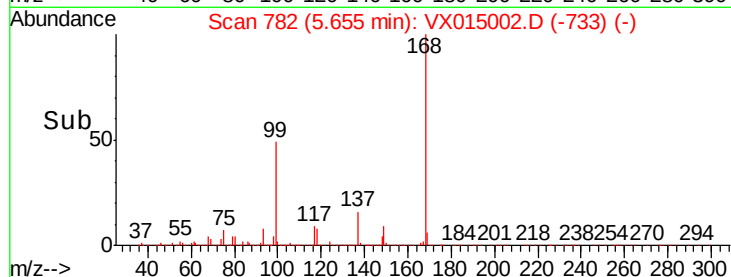
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.254 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX015002.D

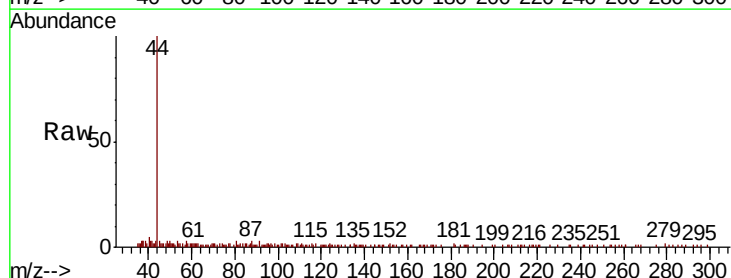
Acq: 24 Feb 2020 11:57

Tgt Ion: 85 Resp: 1039

Ion Ratio Lower Upper

85 100

87 71.6 16.1 48.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

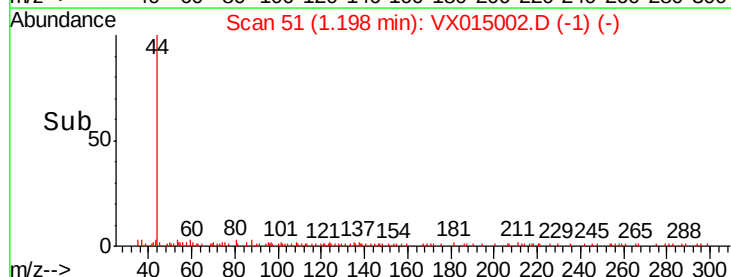
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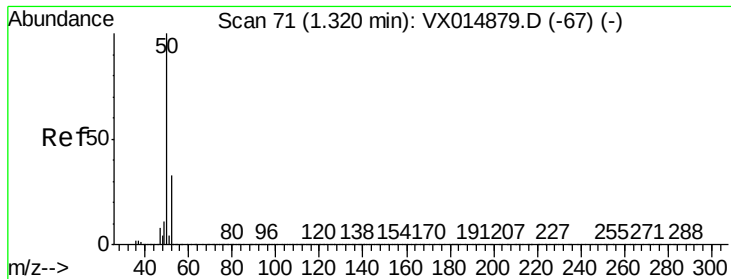
100

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

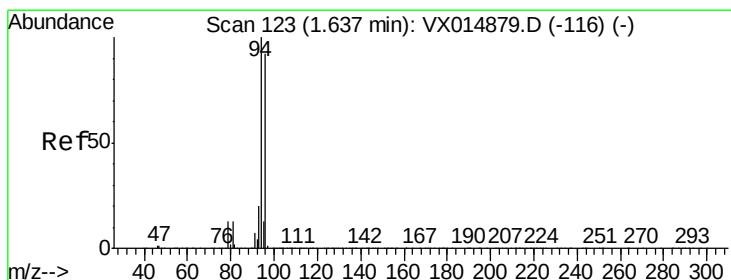
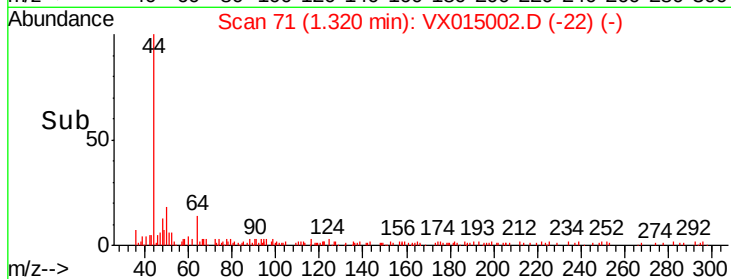
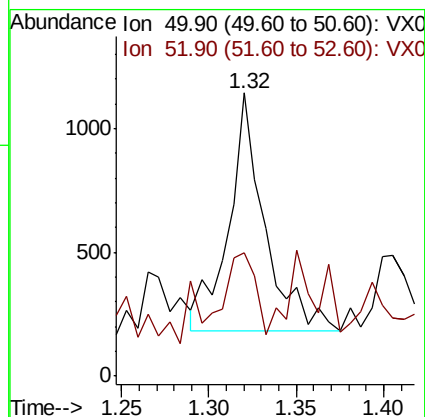
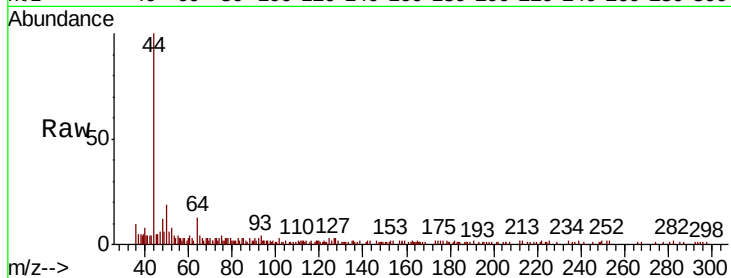
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 1373

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.2



#5

Bromomethane

Concen: 0.422 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015002.D

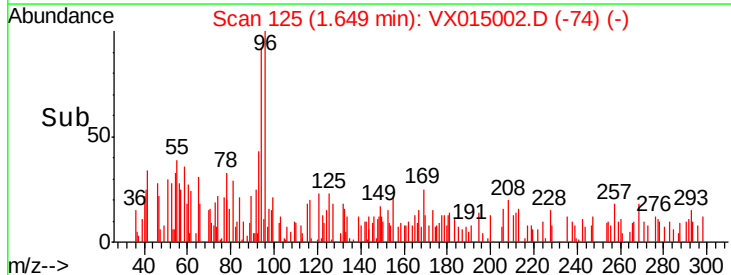
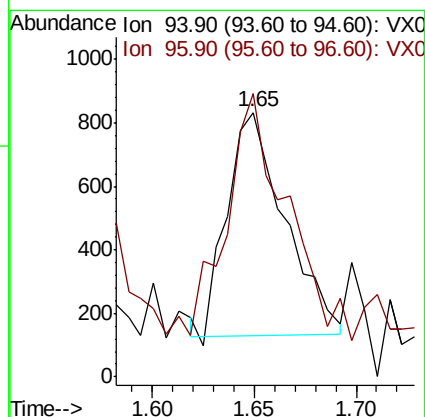
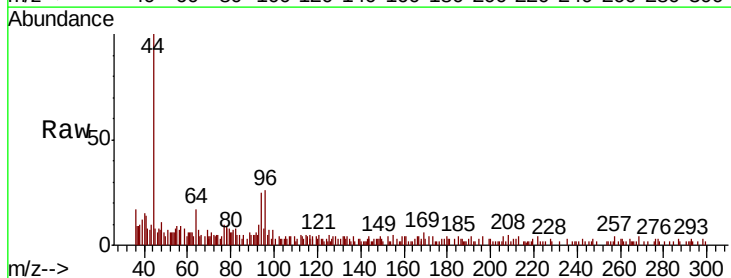
Acq: 24 Feb 2020 11:57

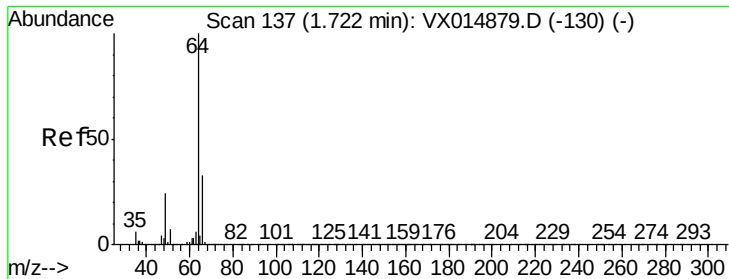
Tgt Ion: 94 Resp: 1367

Ion Ratio Lower Upper

94 100

96 113.9 73.7 110.5#





#6

Chloroethane

Concen: 0.364 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

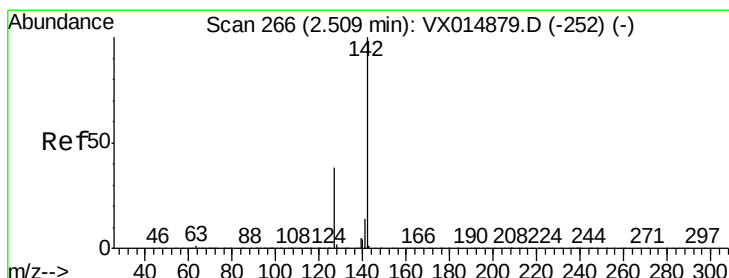
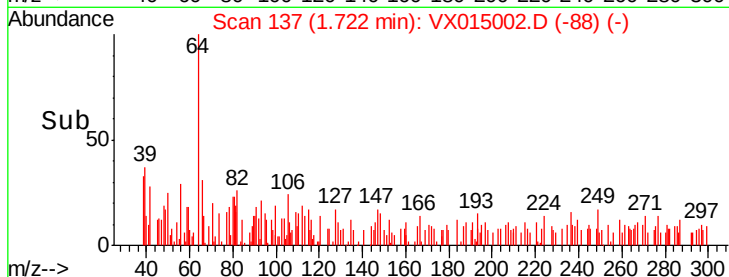
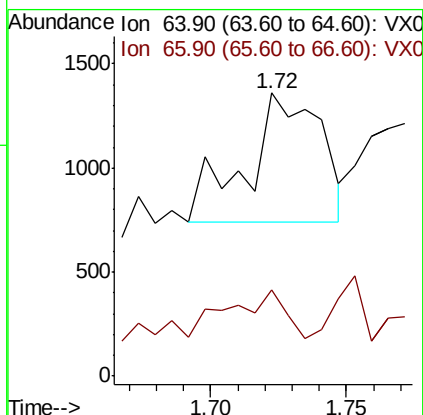
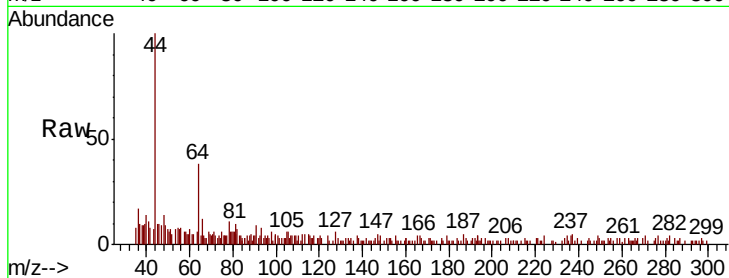
ClientSampleId :

Tot Ion: 64 Resp: 1166

Ion Ratio Lower Upper

64 100

66 37.1 26.2 39.4



#10

Methyl Iodide

Concen: 4.938 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

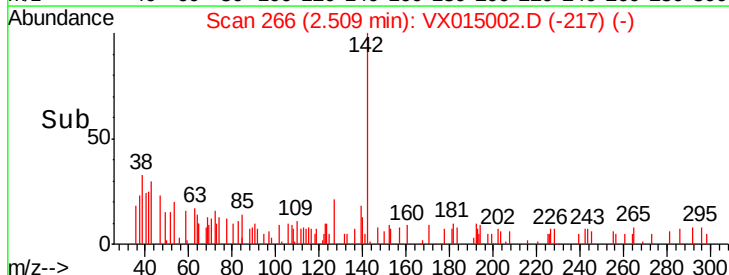
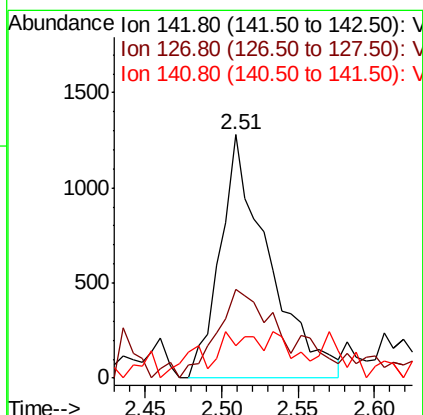
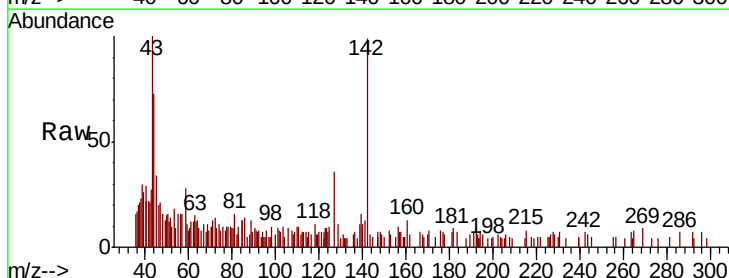
Tgt Ion: 142 Resp: 2823

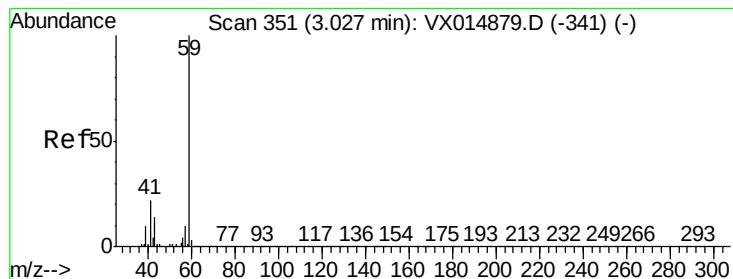
Ion Ratio Lower Upper

142 100

127 40.8 31.1 46.7

141 10.3 11.3 16.9#



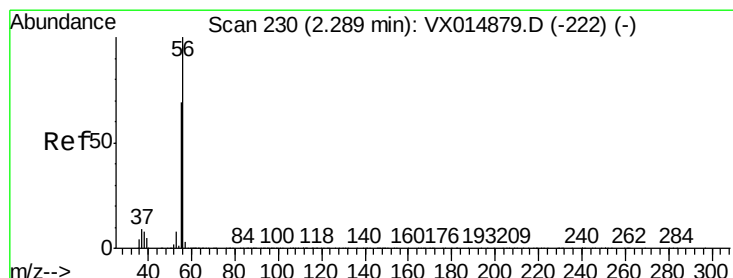
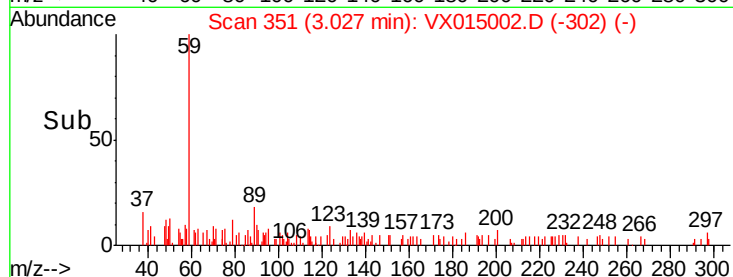
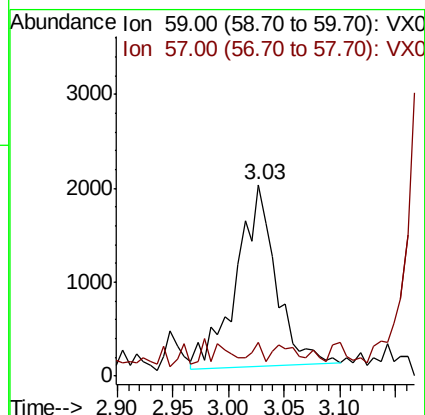
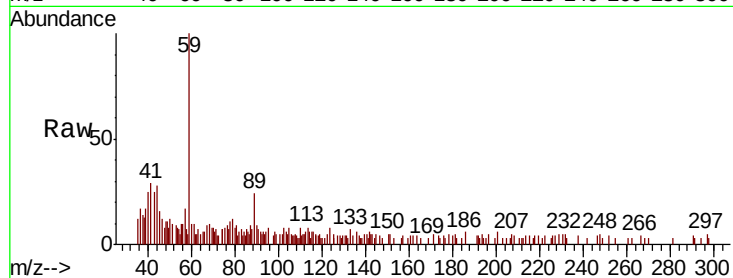


#11

Tert butyl alcohol
Concen: 5.457 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Instrument :
MSVOA_X
ClientSampleId :

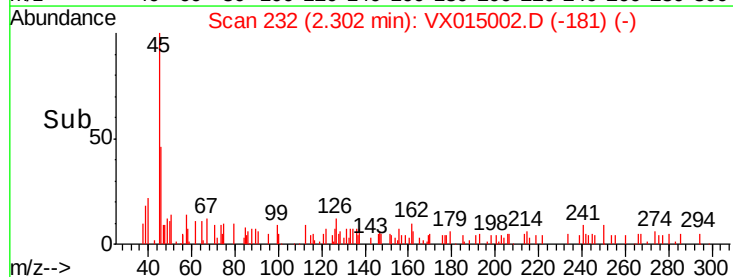
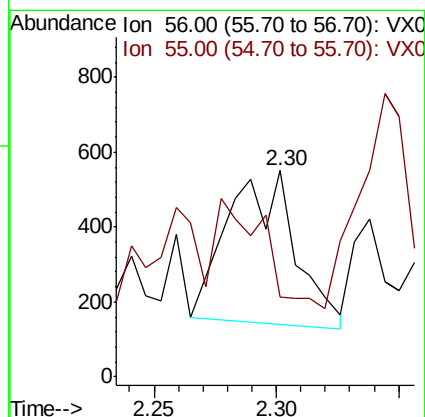
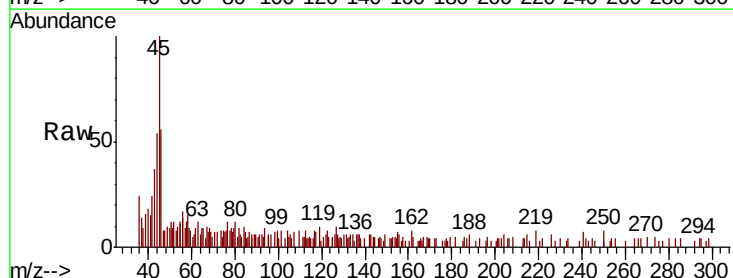
Tot Ion: 59 Resp: 4705
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

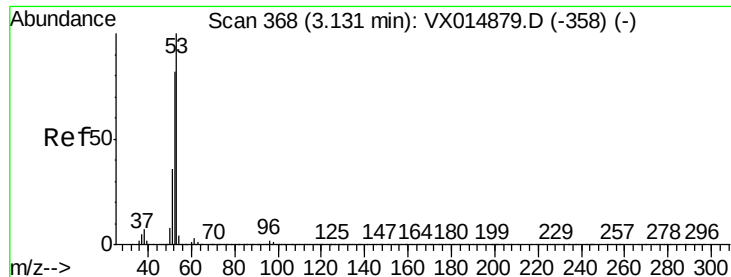


#13

Acrolein
Concen: 1.172 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 56 Resp: 770
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#





#15

Acrylonitrile

Concen: 0.448 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

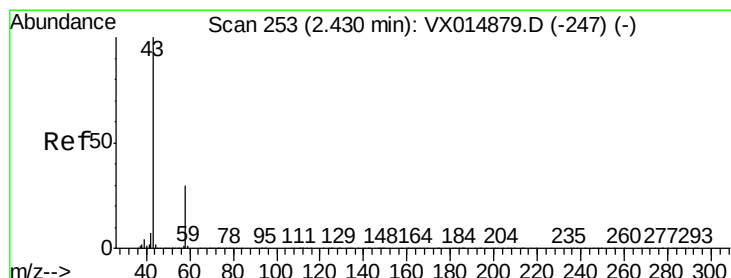
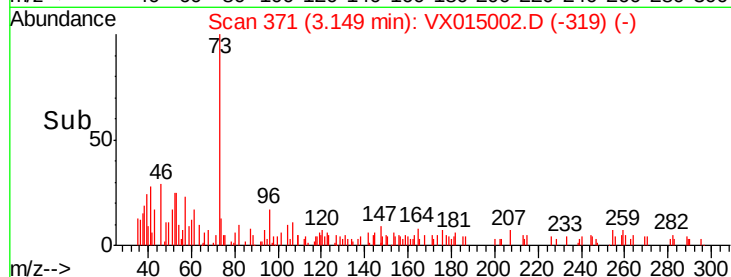
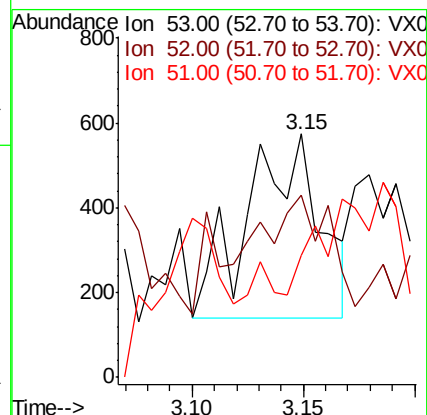
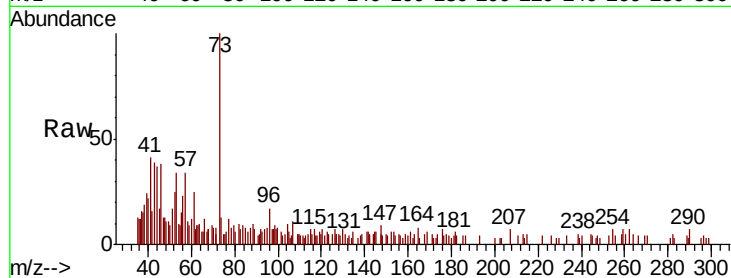
Tot Ion: 53 Resp: 979

Ion Ratio Lower Upper

53 100

52 54.9 65.8 98.6#

51 0.0 29.1 43.7#



#16

Acetone

Concen: 153.787 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015002.D

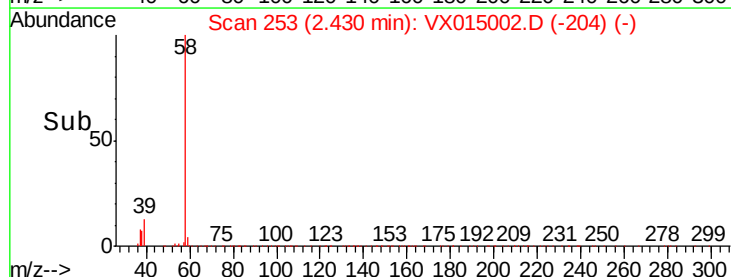
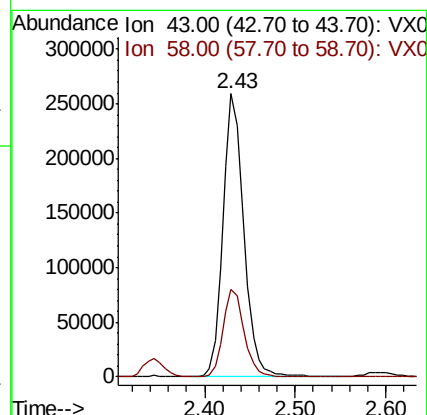
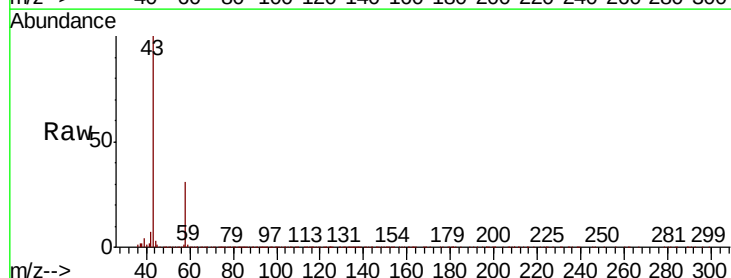
Acq: 24 Feb 2020 11:57

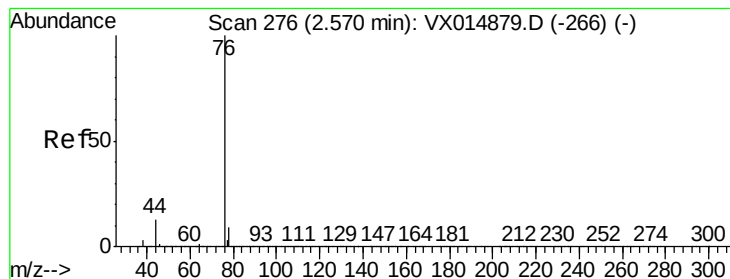
Tgt Ion: 43 Resp: 414452

Ion Ratio Lower Upper

43 100

58 30.7 24.1 36.1





#17

Carbon Disulfide

Concen: 0.382 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

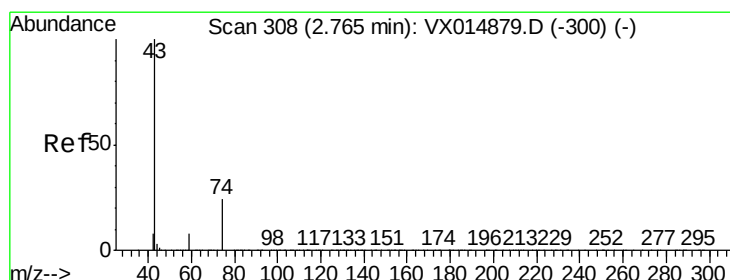
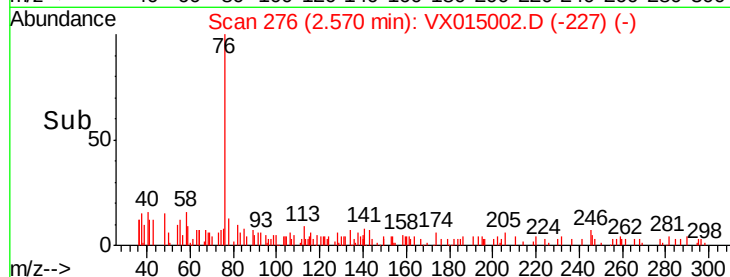
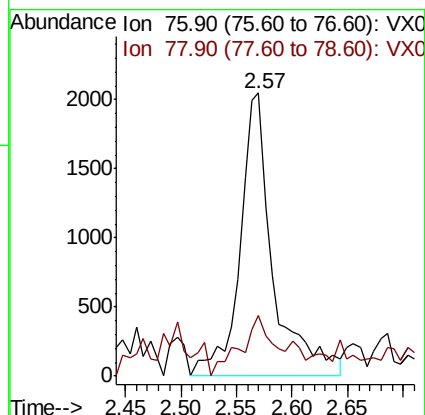
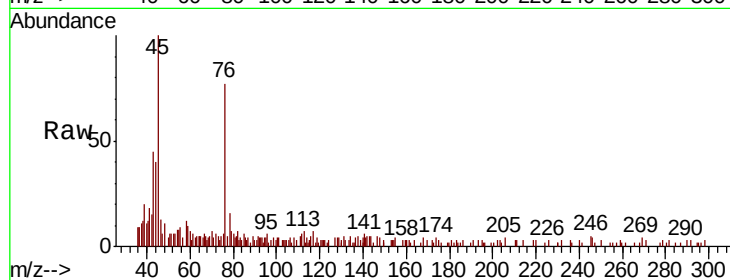
ClientSampleId :

Tot Ion: 76 Resp: 4235

Ion Ratio Lower Upper

76 100

78 14.9 7.4 11.0#



#18

Methyl Acetate

Concen: 3.617 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015002.D

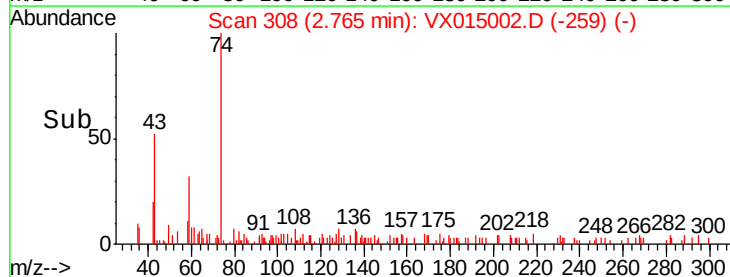
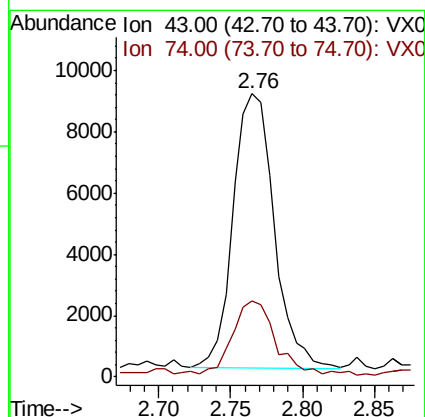
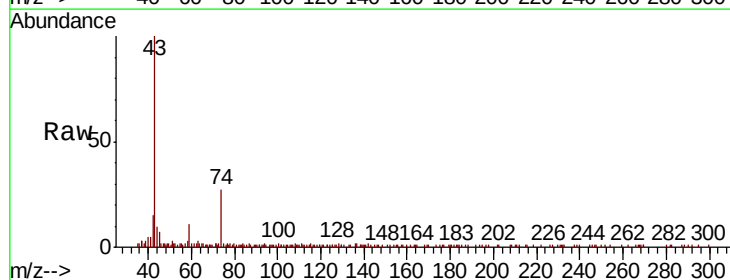
Acq: 24 Feb 2020 11:57

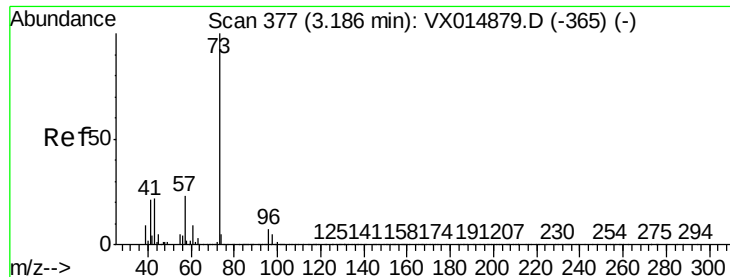
Tgt Ion: 43 Resp: 17790

Ion Ratio Lower Upper

43 100

74 28.1 19.4 29.0

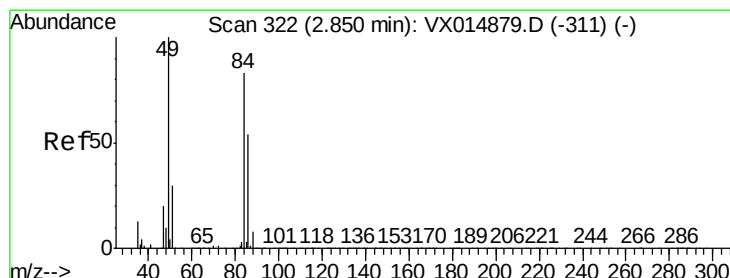
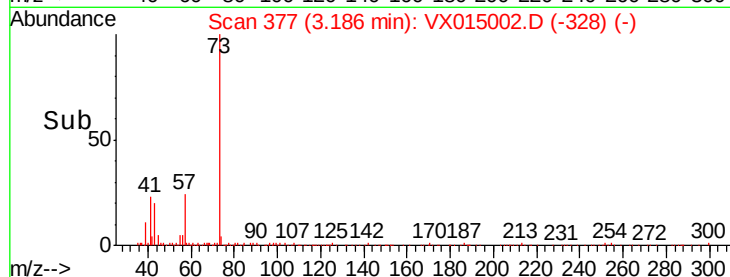
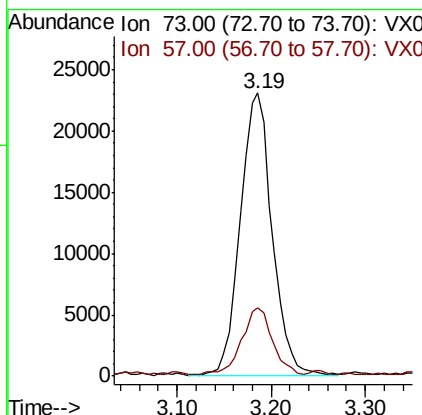
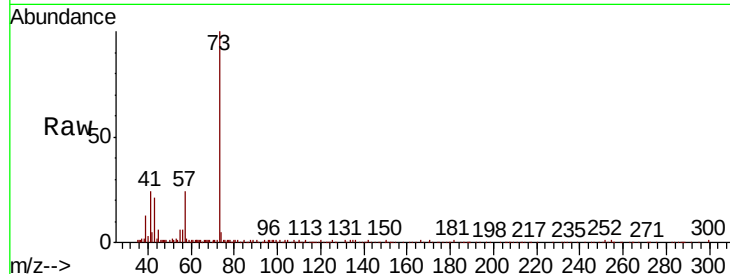




#19
Methyl tert-butyl Ether
Concen: 4.190 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

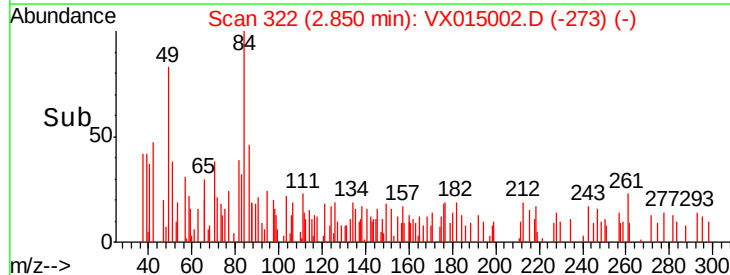
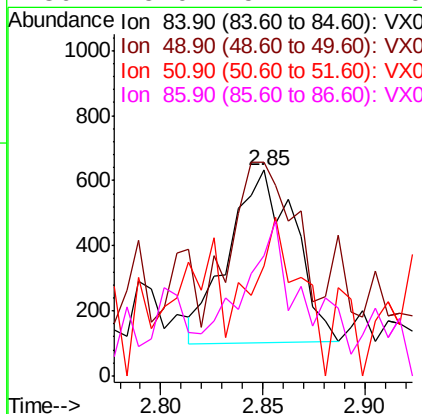
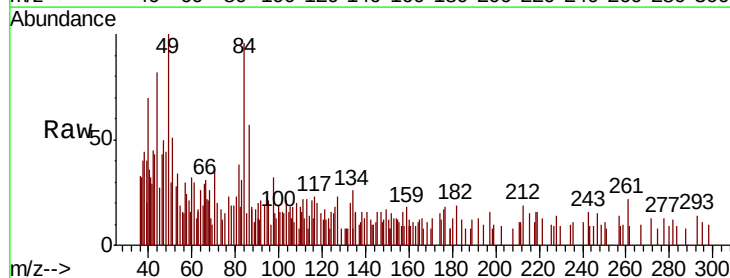
Instrument :
MSVOA_X
ClientSampled :

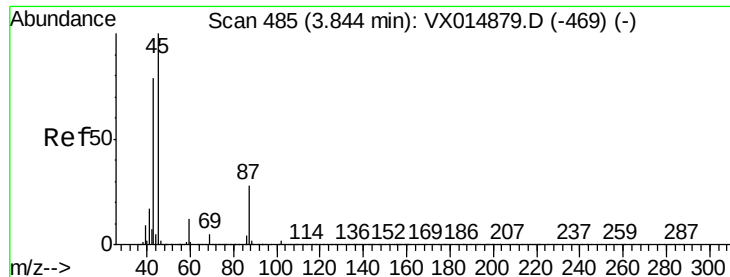
Tot Ion: 73 Resp: 54080
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4



#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 84 Resp: 1183
Ion Ratio Lower Upper
84 100
49 51.0 95.6 143.4#
51 12.4 29.0 43.6#
86 45.0 51.4 77.0#





#22

Diisopropyl ether

Concen: 0.401 ug/l

RT: 3.84 min Scan# 485

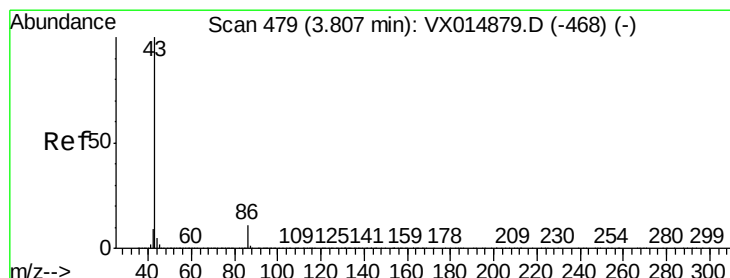
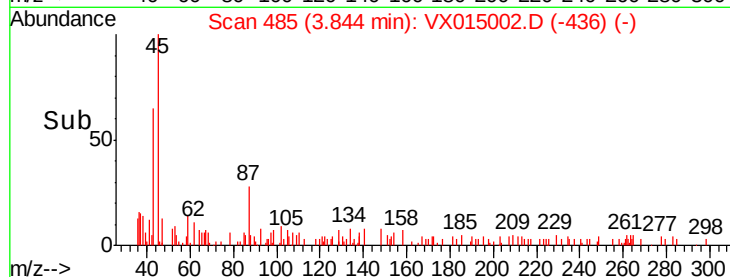
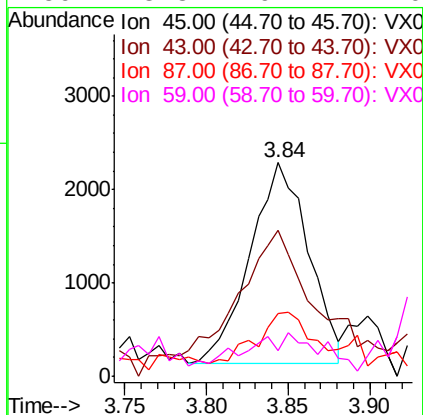
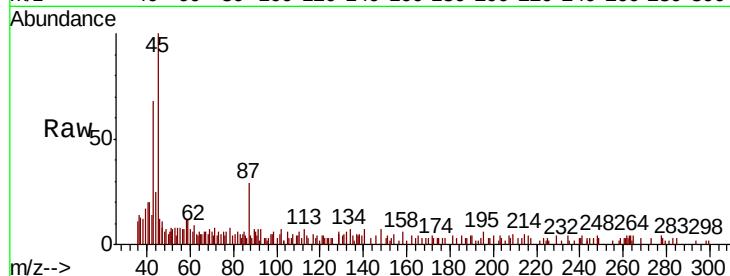
Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	45	Resp:	5379
Ion	Ratio	Lower	Upper
45	100		
43	60.0	63.5	95.3#
87	21.3	22.2	33.4#
59	3.8	9.4	14.0#



#23

Vinyl Acetate

Concen: 0.536 ug/l

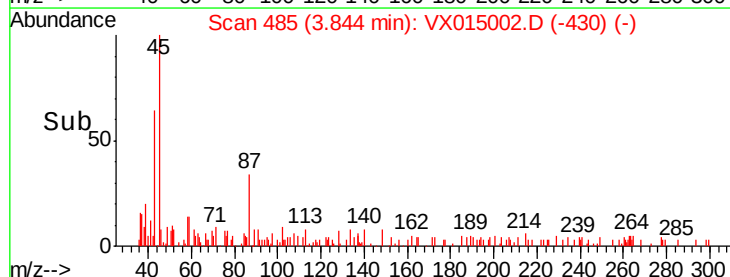
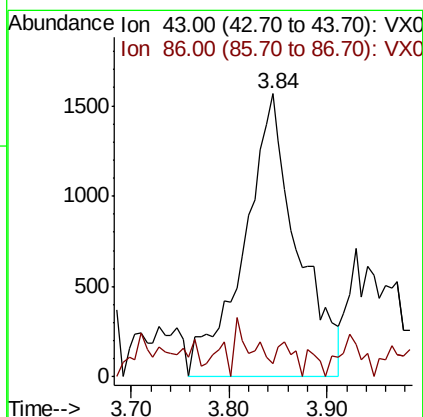
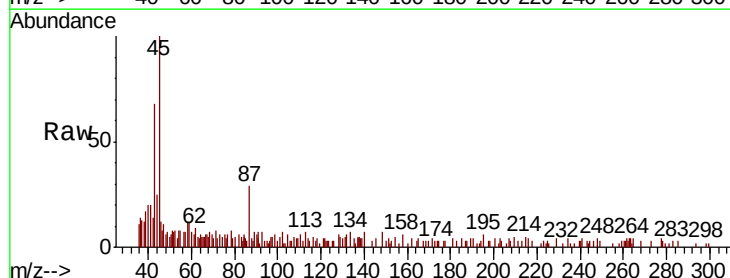
RT: 3.84 min Scan# 485

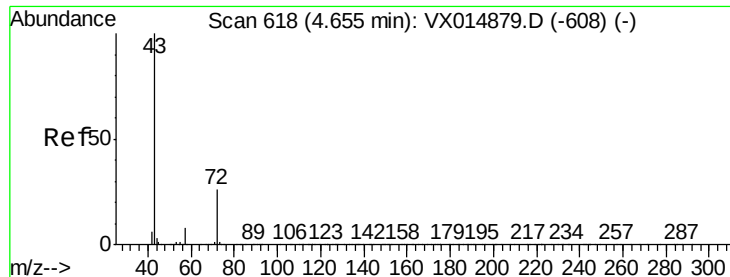
Delta R.T. 0.04 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Tgt Ion:	43	Resp:	5934
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 30.359 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

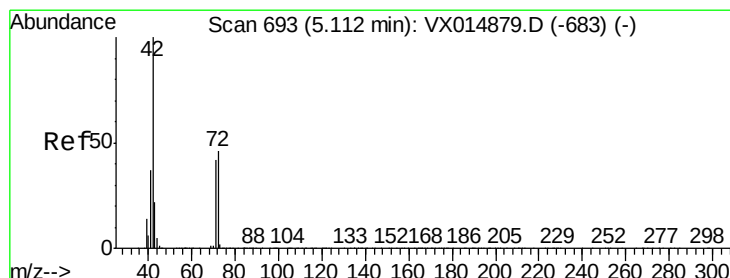
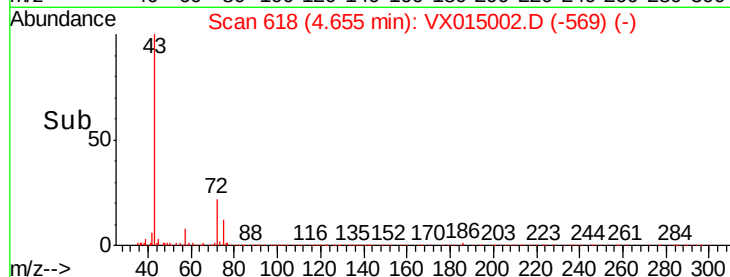
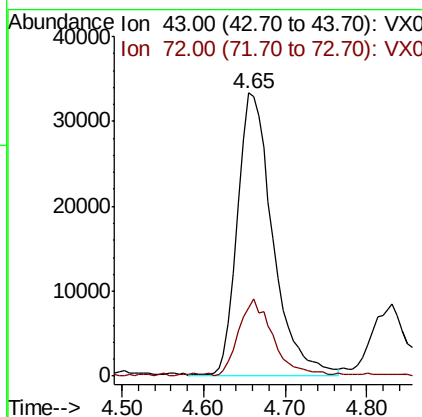
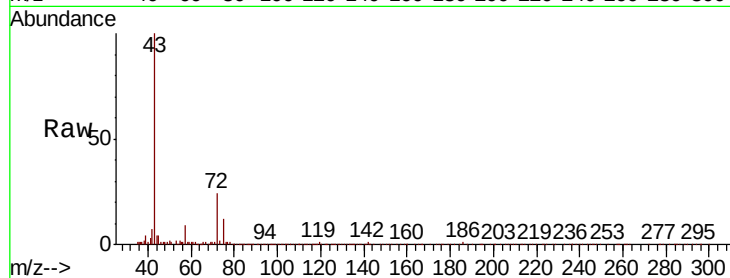
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 100931

Ion Ratio Lower Upper

43 100

72 23.5 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 5.09 min Scan# 690

Delta R.T. -0.02 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

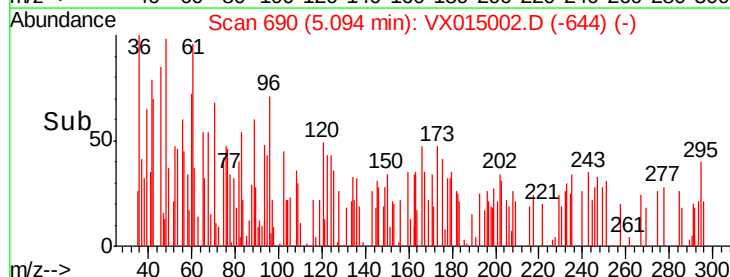
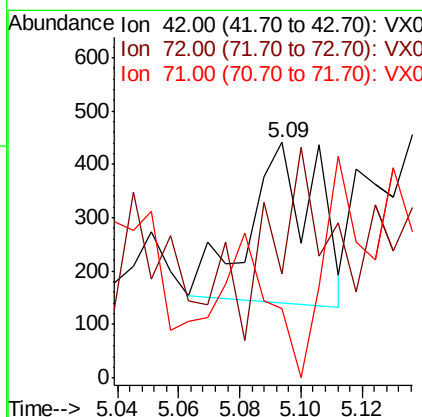
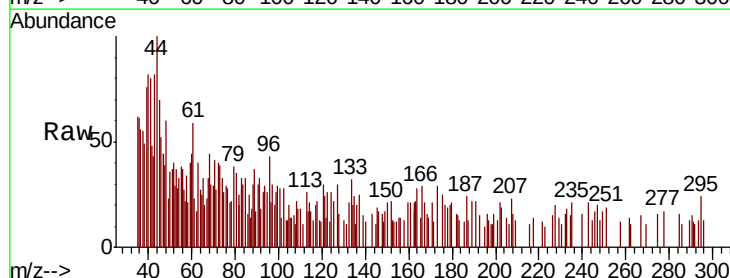
Tgt Ion: 42 Resp: 451

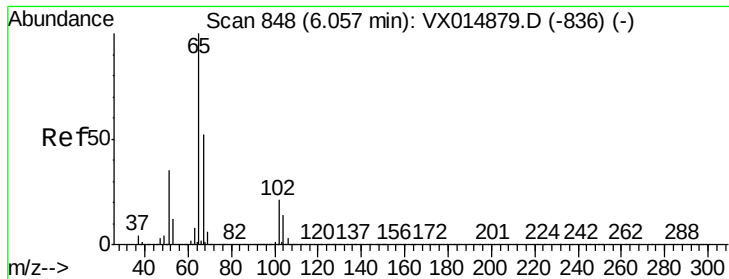
Ion Ratio Lower Upper

42 100

72 101.1 36.9 55.3#

71 85.8 34.1 51.1#

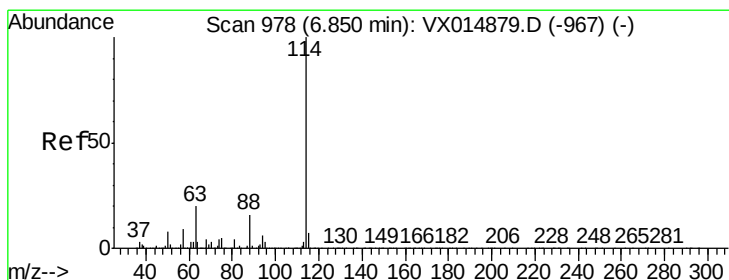
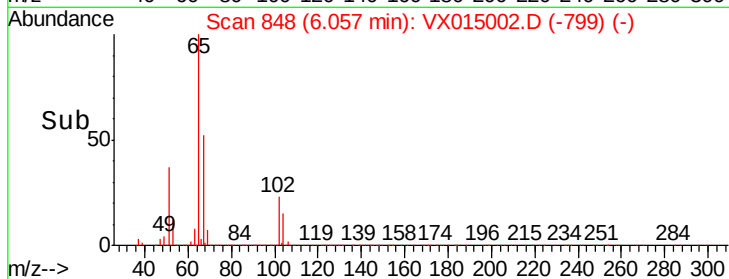
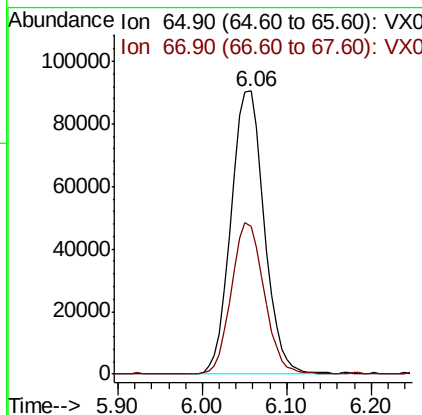
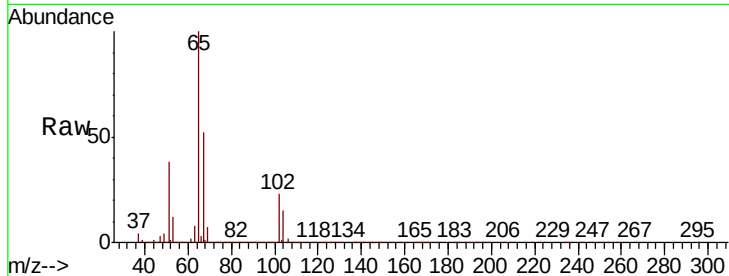




#33
 1,2-Dichloroethane-d4
 Concen: 49.144 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

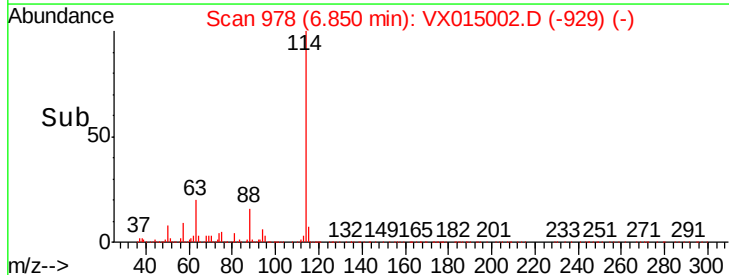
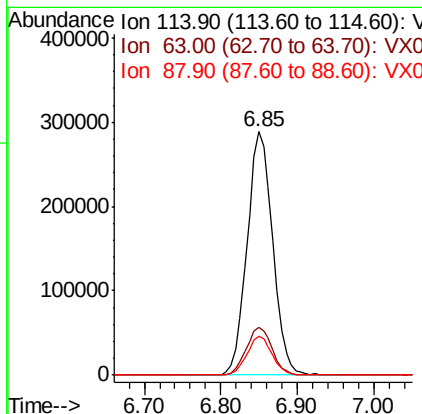
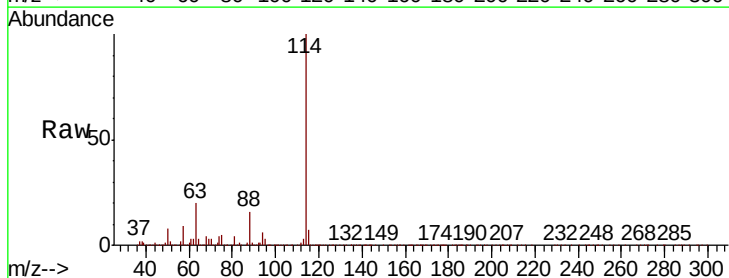
Instrument :
 MSVOA_X
 ClientSampled :

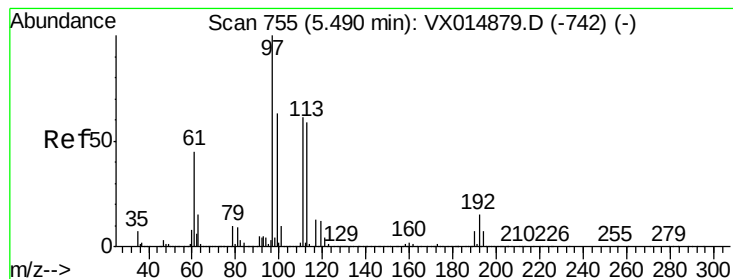
Tot Ion: 65 Resp: 239990
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion: 114 Resp: 672108
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.216 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

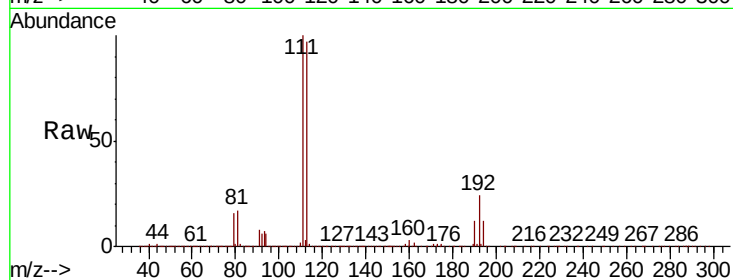
Tot Ion:113 Resp: 203359

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

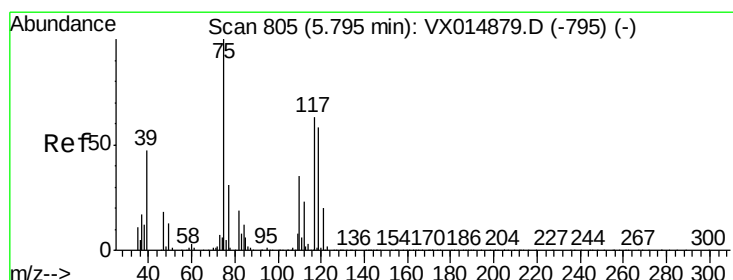
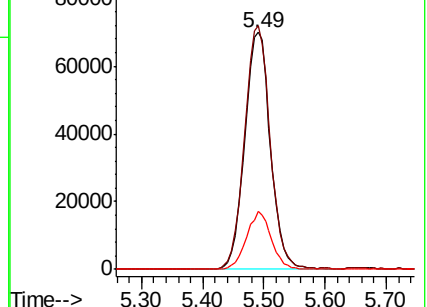
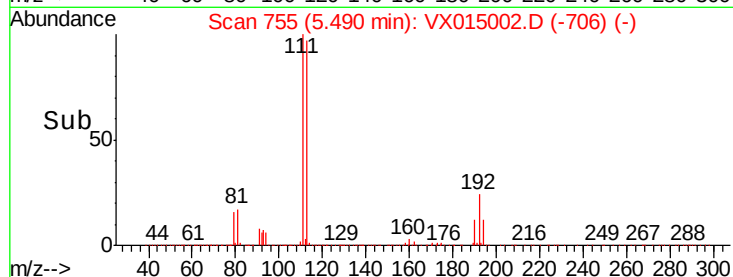
192 23.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.705 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

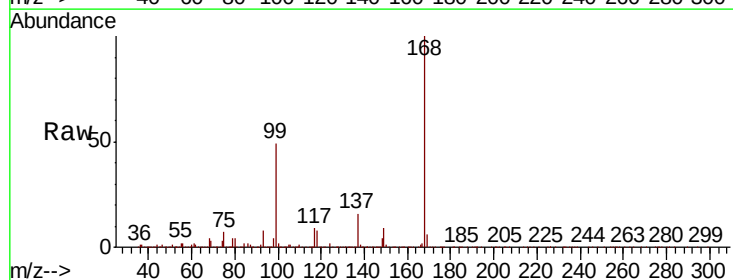
Tgt Ion: 75 Resp: 28287

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

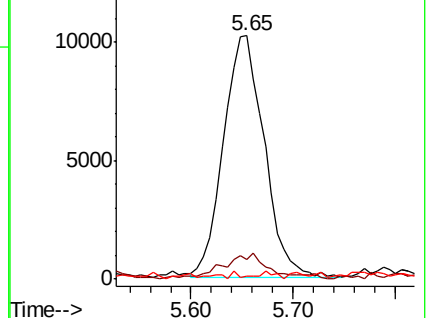
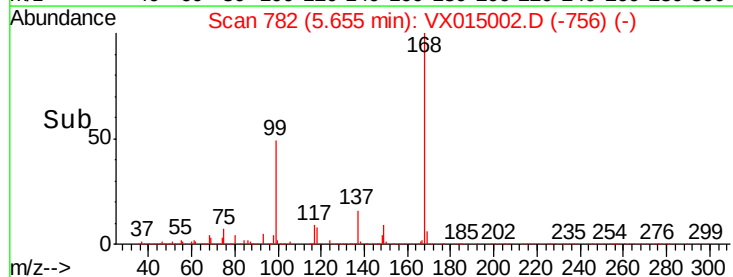
77 1.1 24.6 36.8#

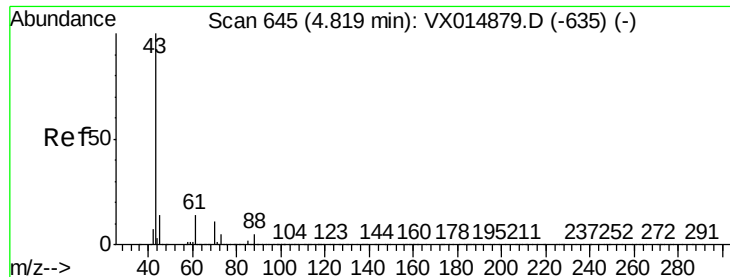


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

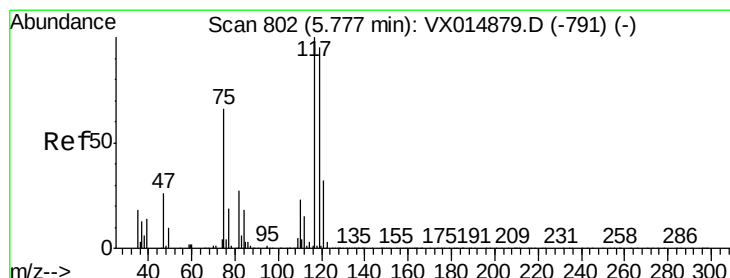
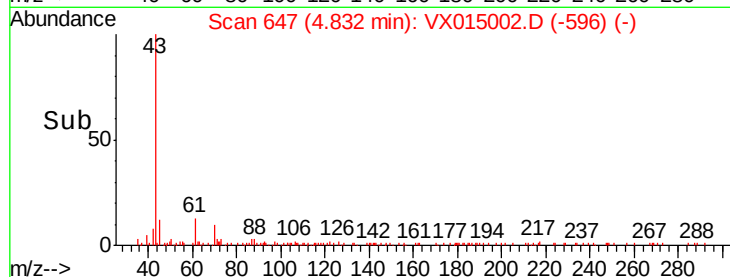
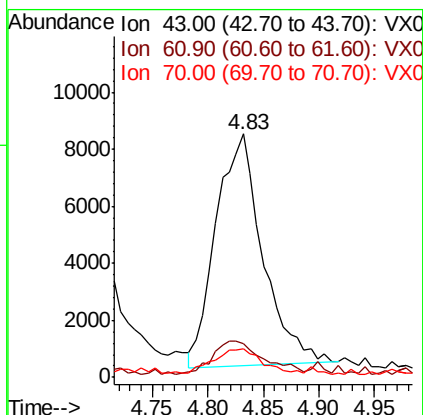
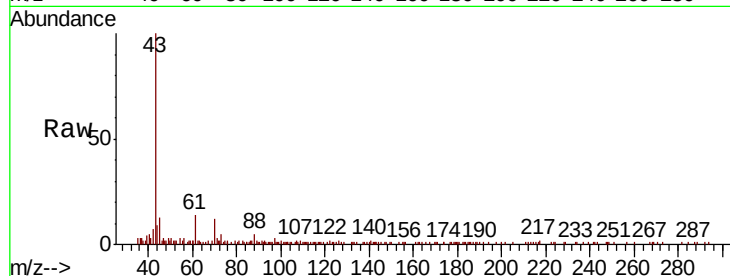




#37
Ethyl Acetate
Concen: 3.779 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

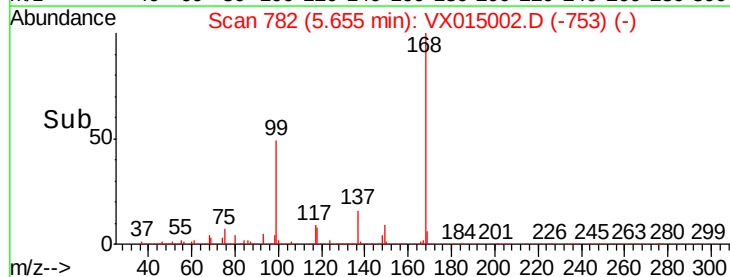
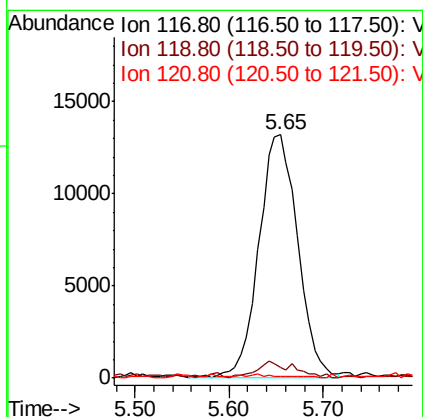
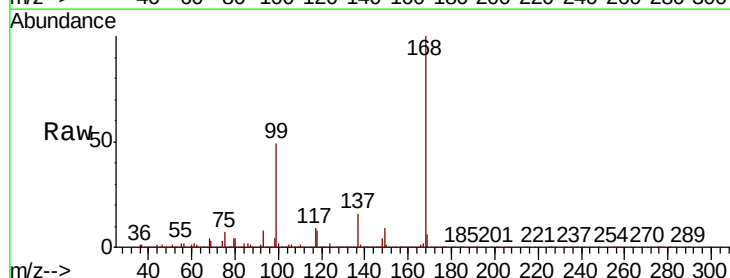
Instrument :
MSVOA_X
ClientSampled :

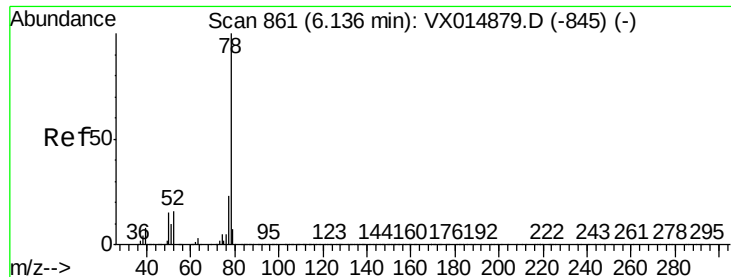
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.9	16.3
70	12.2	8.7	13.1



#38
Carbon Tetrachloride
Concen: 6.541 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.0	114.0#
121	0.0	25.4	38.2#





#40

Benzene

Concen: 5.008 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

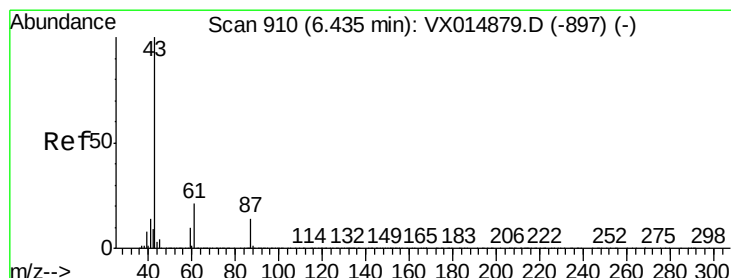
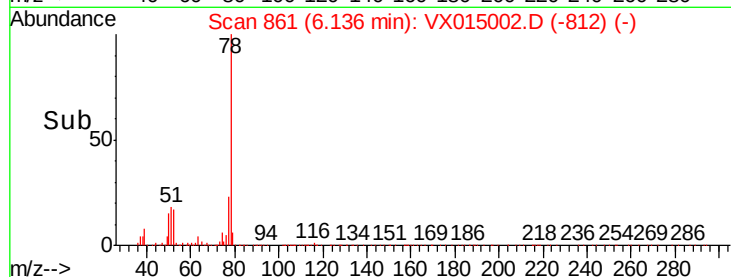
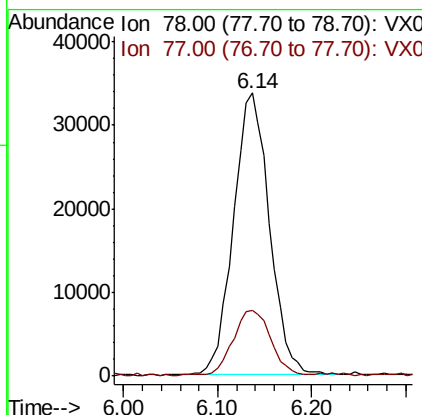
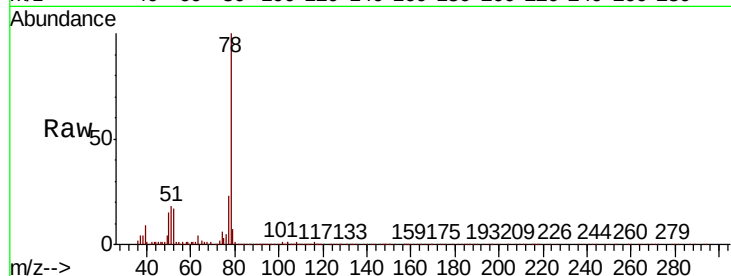
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 78 Resp: 89960

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2



#43

Isopropyl Acetate

Concen: 0.354 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

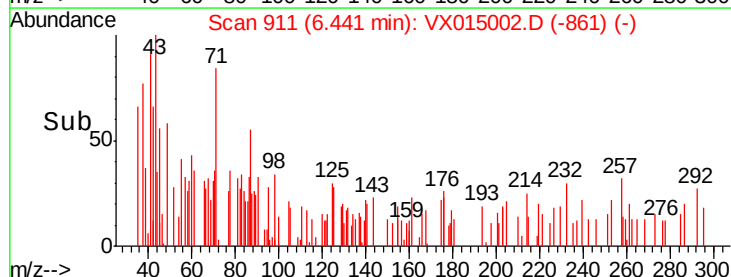
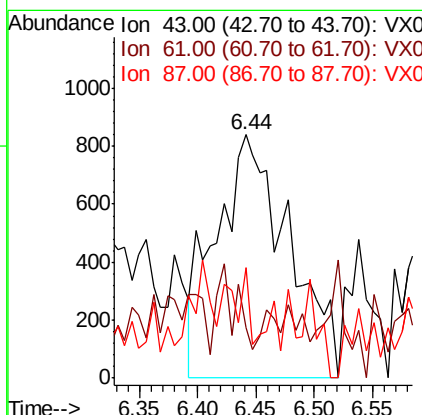
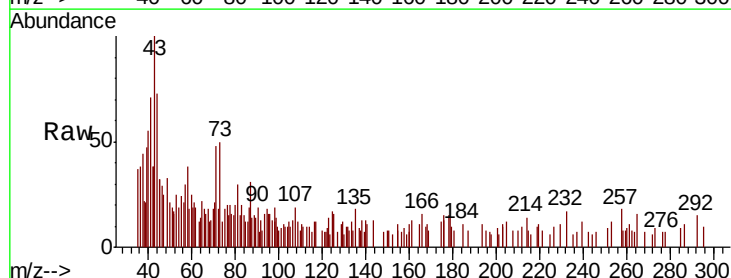
Tgt Ion: 43 Resp: 3667

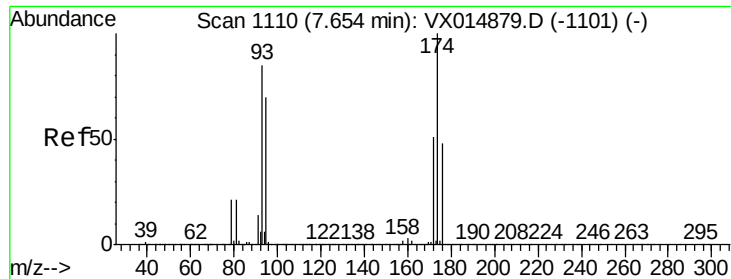
Ion Ratio Lower Upper

43 100

61 9.2 16.2 24.4#

87 11.5 11.0 16.6





#46

Dibromomethane

Concen: 0.228 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampled :

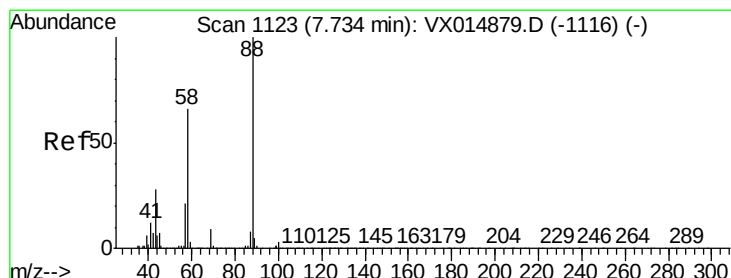
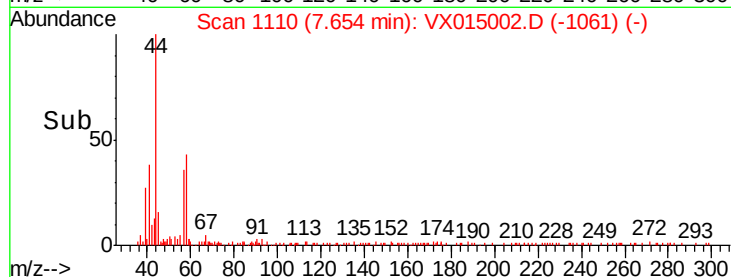
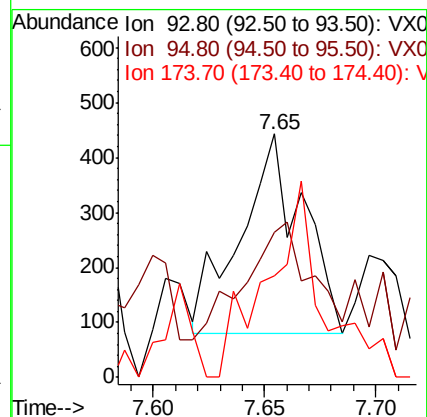
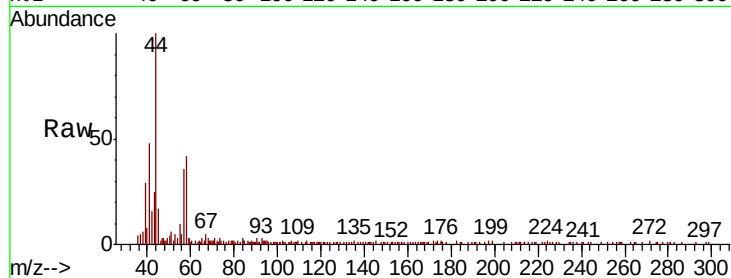
Tot Ion: 93 Resp: 715

Ion Ratio Lower Upper

93 100

95 100.0 65.8 98.8#

174 86.9 95.4 143.2#



#49

1,4-Dioxane

Concen: 1.303 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

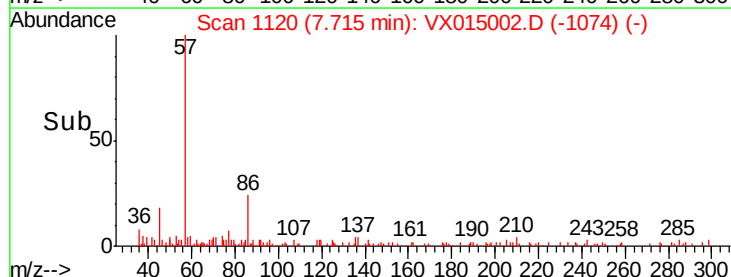
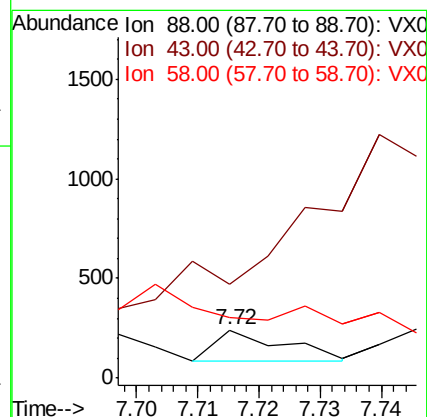
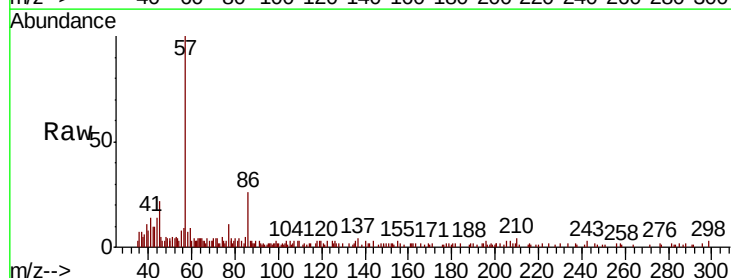
Tgt Ion: 88 Resp: 124

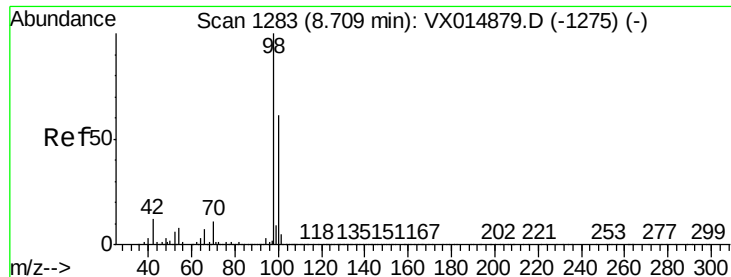
Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 0.0 53.2 79.8#

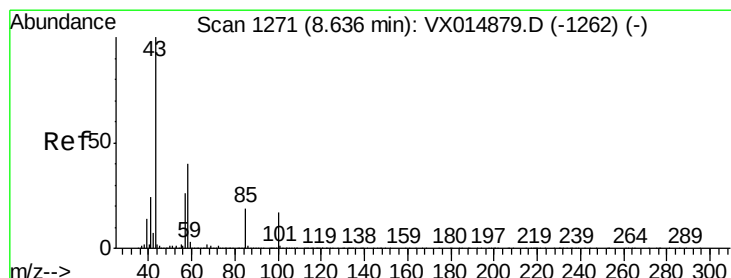
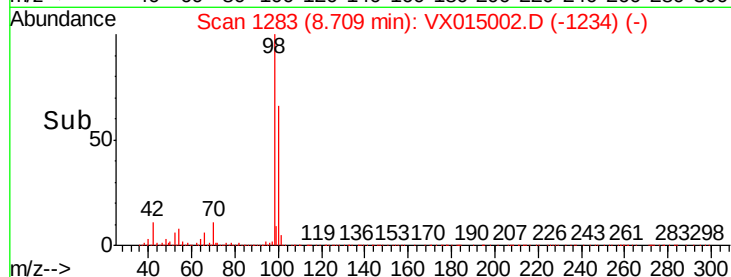
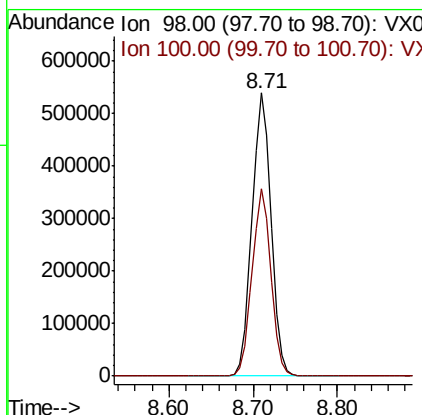
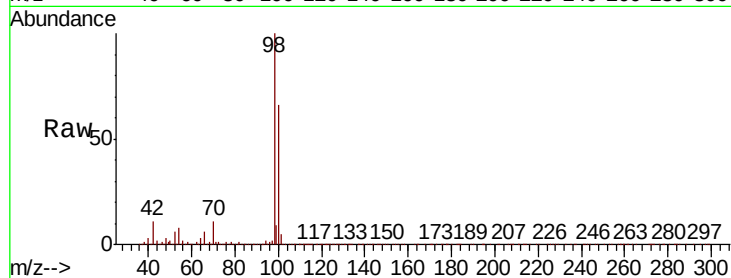




#50
Toluene-d8
Concen: 52.141 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

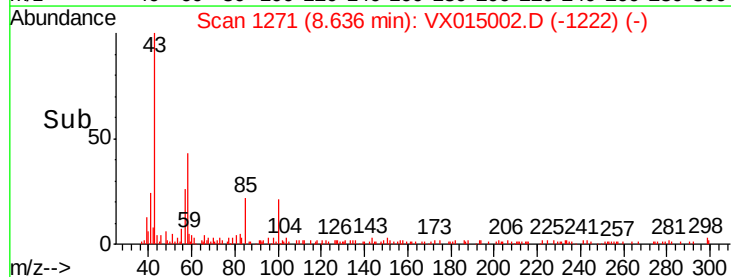
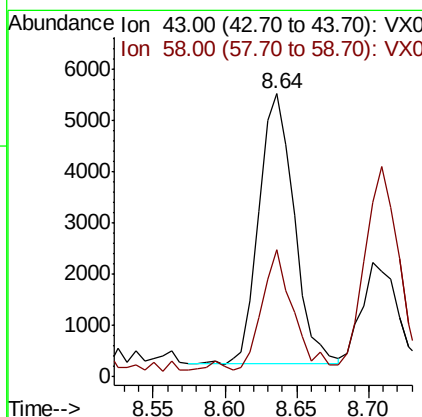
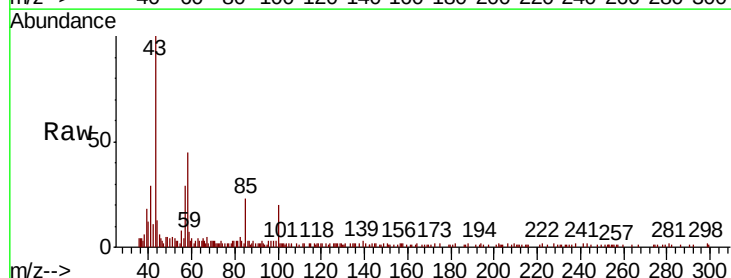
Instrument :
MSVOA_X
ClientSampleId :

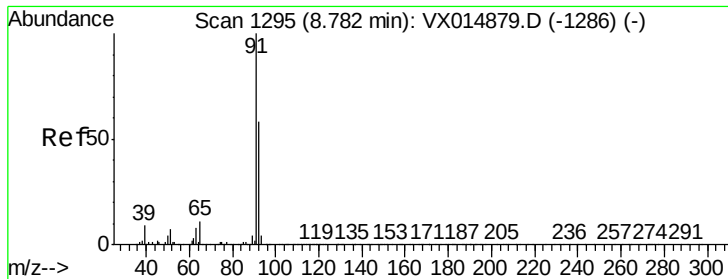
Tot Ion: 98 Resp: 822368
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 43 Resp: 8862
Ion Ratio Lower Upper
43 100
58 39.0 31.9 47.9





#52

Toluene

Concen: 11.067 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

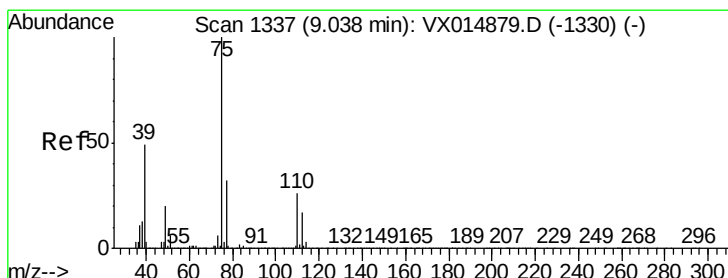
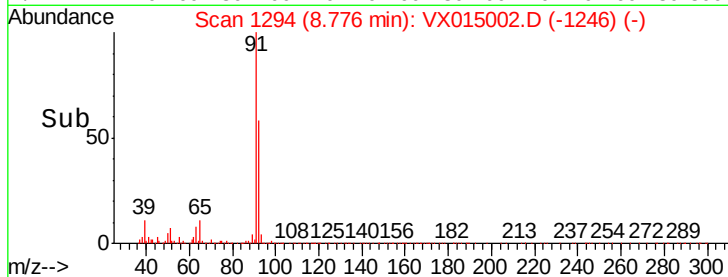
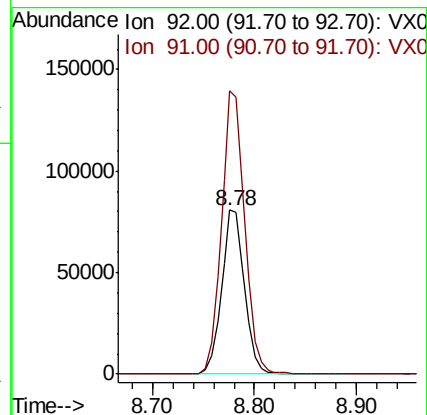
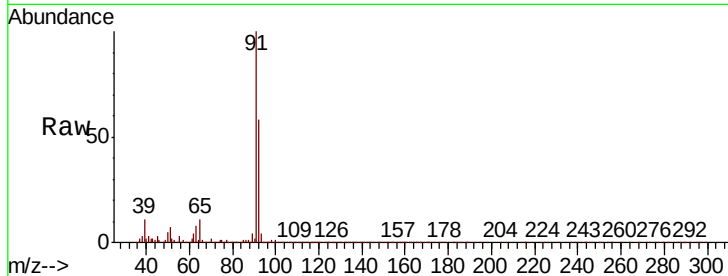
ClientSampled :

Tot Ion: 92 Resp: 126266

Ion Ratio Lower Upper

92 100

91 173.7 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 0.211 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VX015002.D

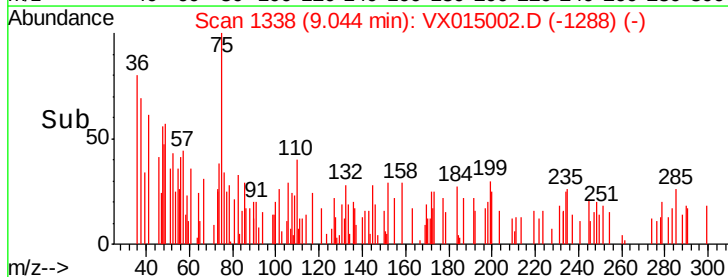
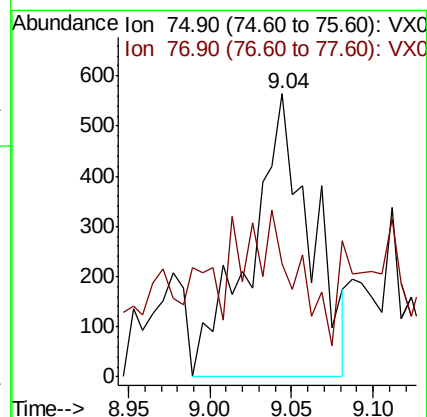
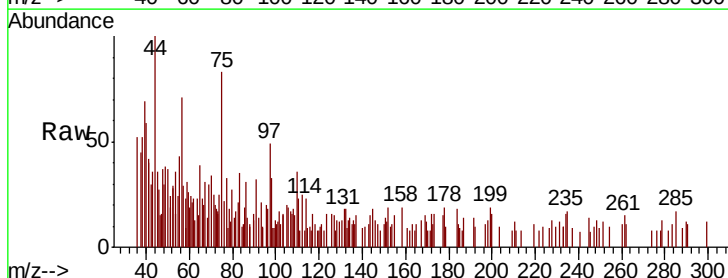
Acq: 24 Feb 2020 11:57

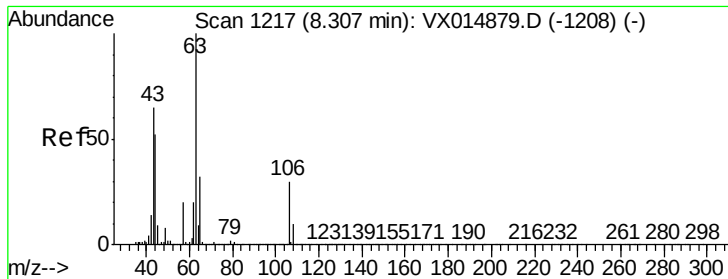
Tgt Ion: 75 Resp: 1438

Ion Ratio Lower Upper

75 100

77 1.4 25.5 38.3#

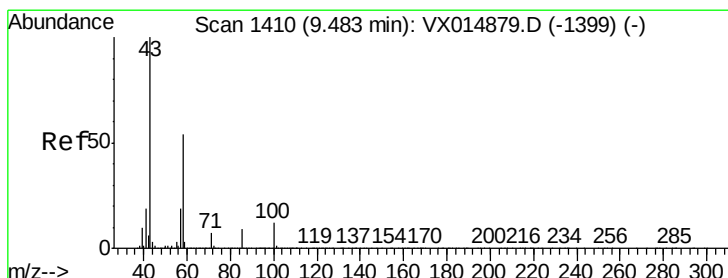
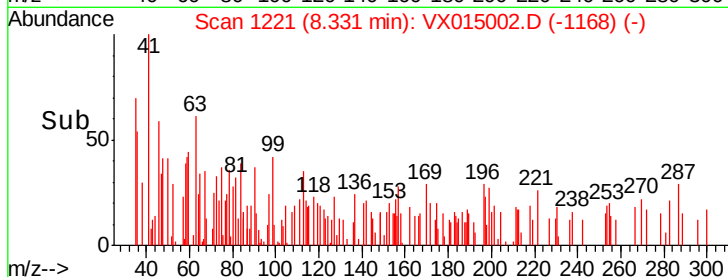
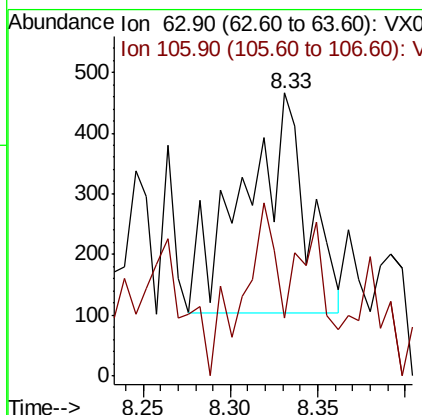
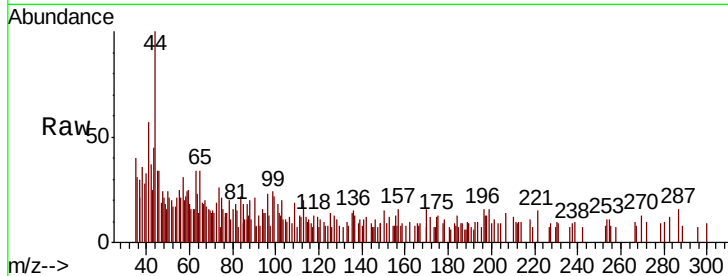




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.249 ug/l
 RT: 8.33 min Scan# 1221
 Delta R.T. 0.02 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

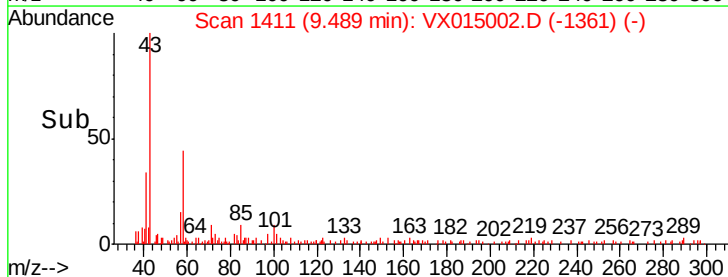
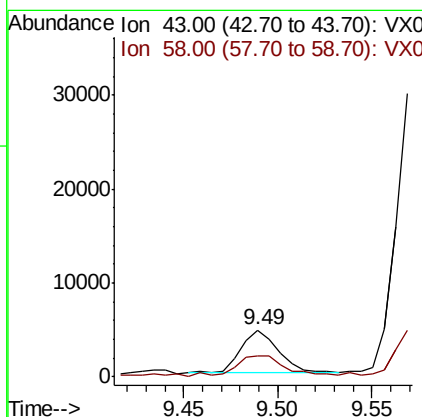
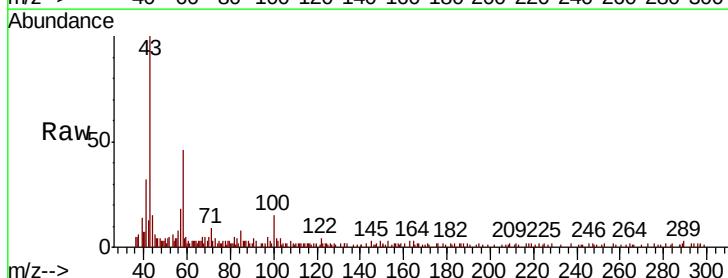
Instrument :
 MSVOA_X
 ClientSampleId :

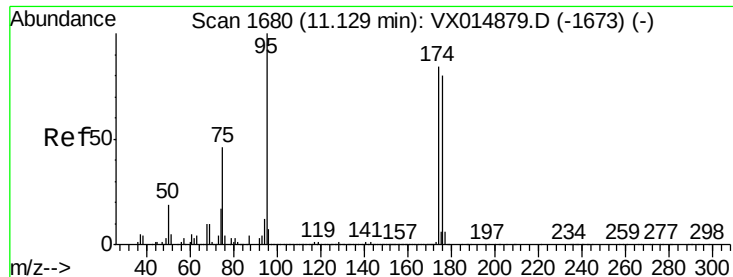
Tot Ion: 63 Resp: 904
 Ion Ratio Lower Upper
 63 100
 106 44.1 23.8 35.8#



#59
 2-Hexanone
 Concen: 1.283 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion: 43 Resp: 6301
 Ion Ratio Lower Upper
 43 100
 58 68.2 27.5 82.5

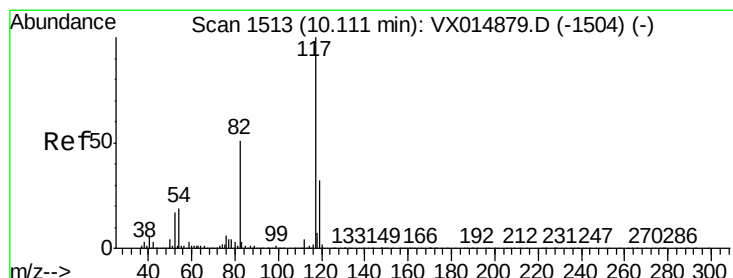
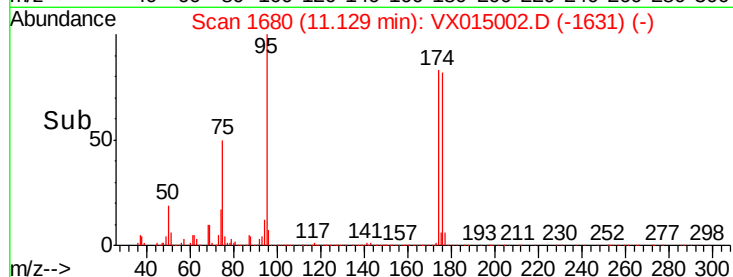
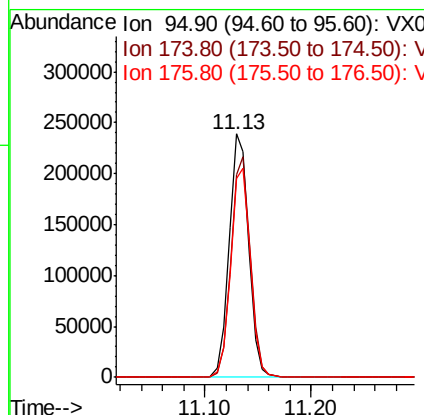
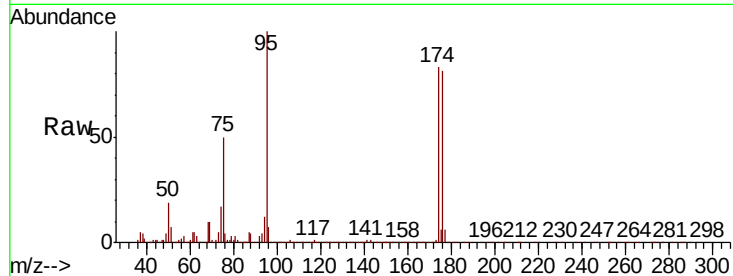




#62
4-Bromofluorobenzene
Concen: 54.073 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

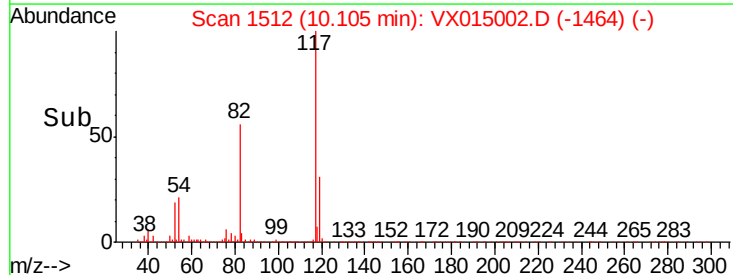
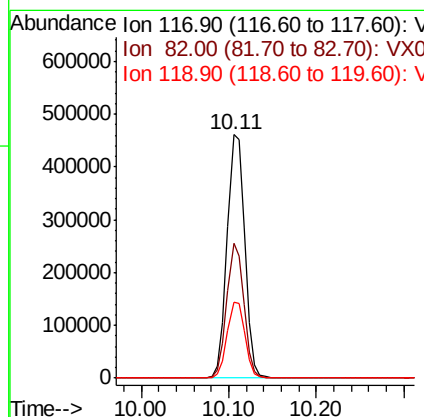
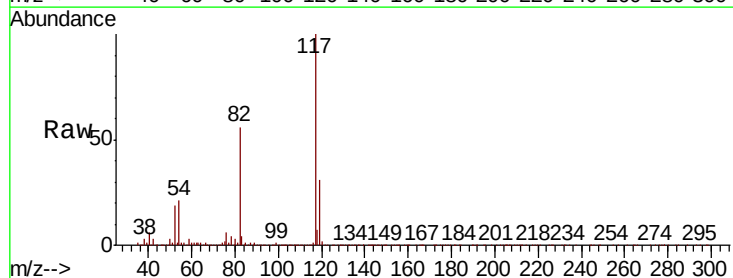
Instrument :
MSVOA_X
ClientSampleId :

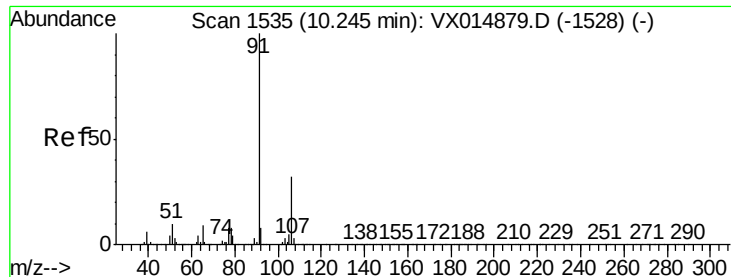
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	183.0
176	86.8	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	40.5	60.7
119	31.1	25.8	38.6

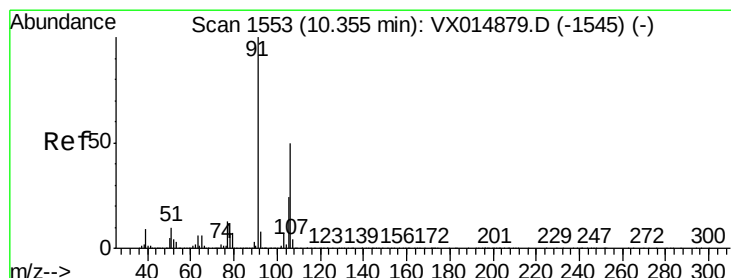
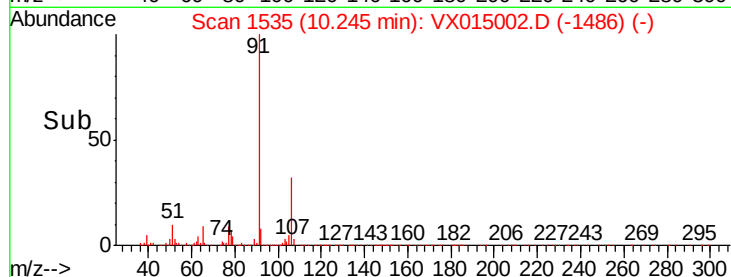
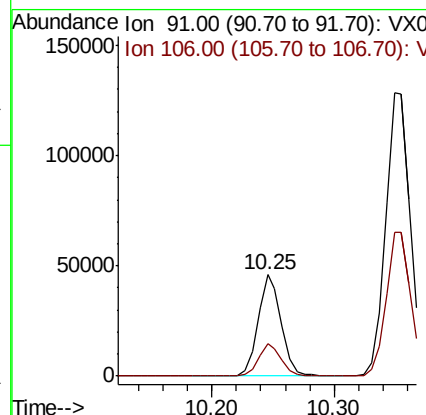
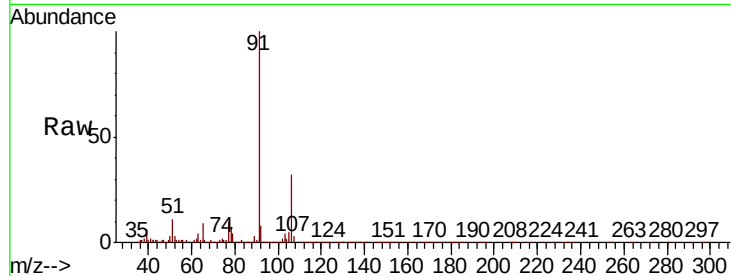




#67
Ethyl Benzene
Concen: 2.706 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

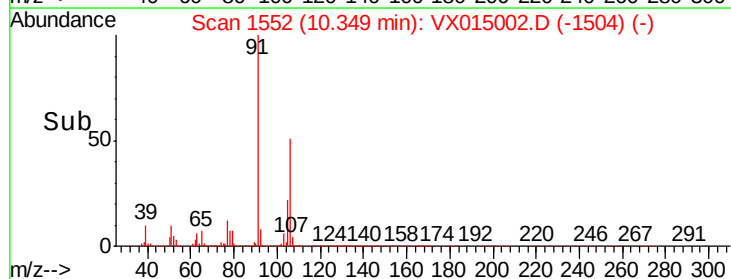
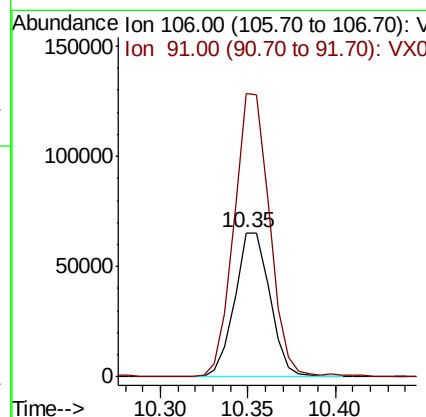
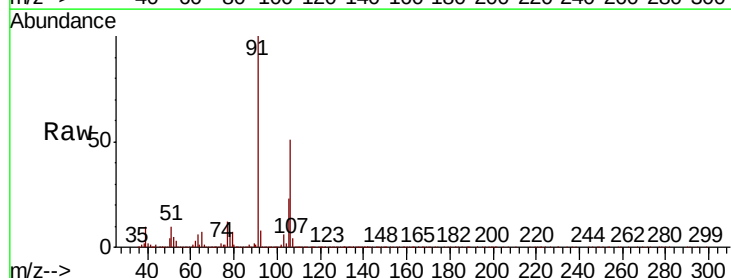
Instrument :
MSVOA_X
ClientSampled :

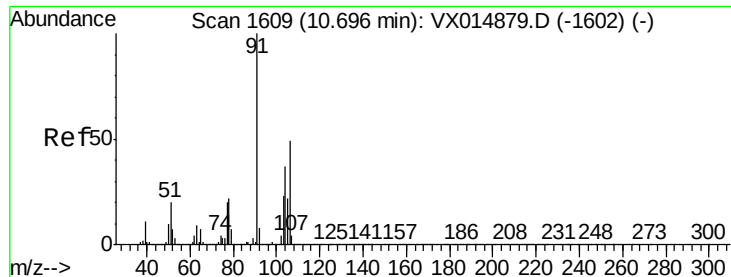
Tot Ion: 91 Resp: 60234
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 10.595 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 106 Resp: 90839
Ion Ratio Lower Upper
106 100
91 199.9 160.6 240.8

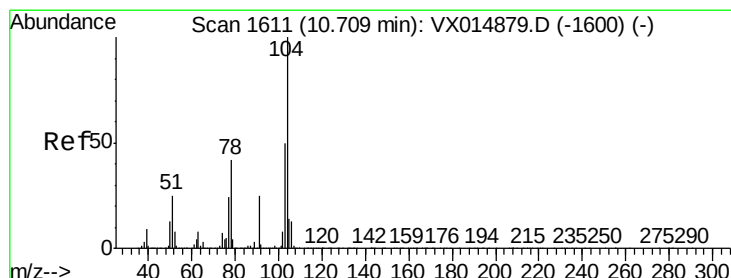
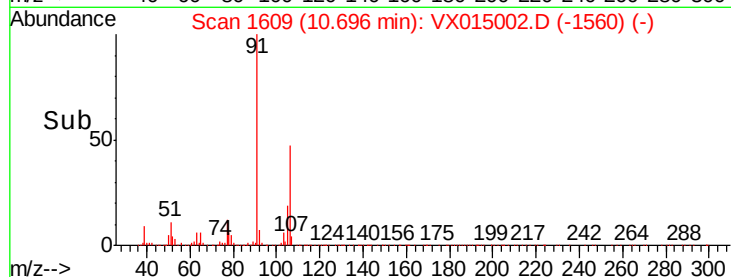
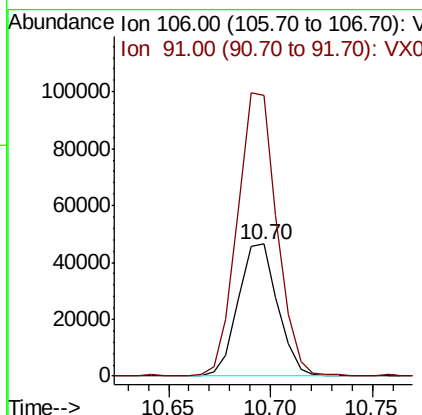
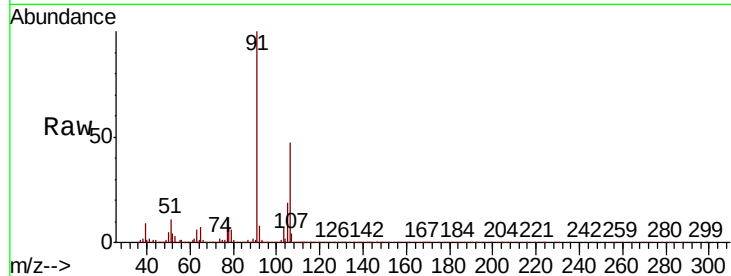




#69
o-Xylene
Concen: 7.547 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

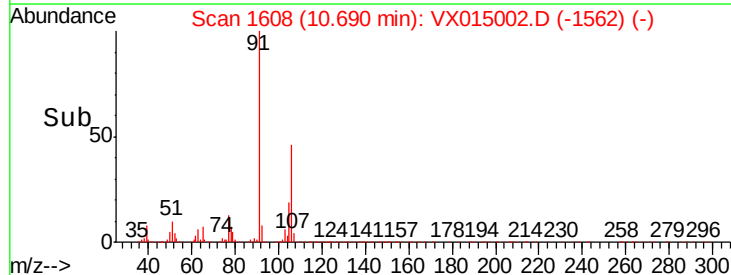
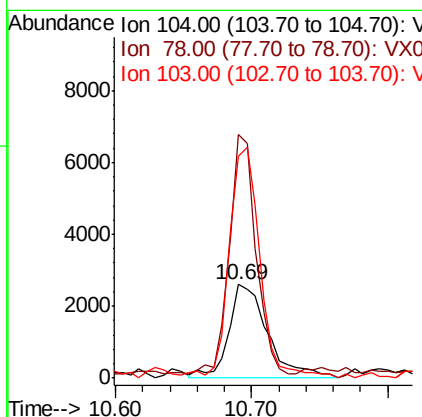
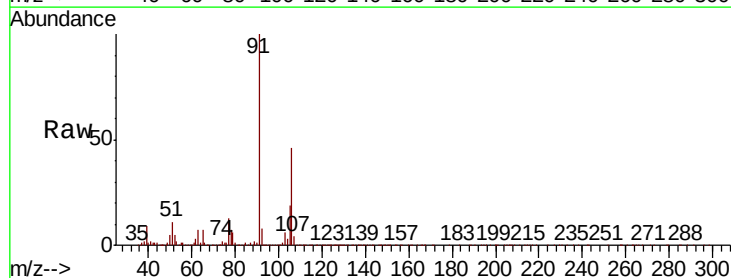
Instrument :
MSVOA_X
ClientSampled :

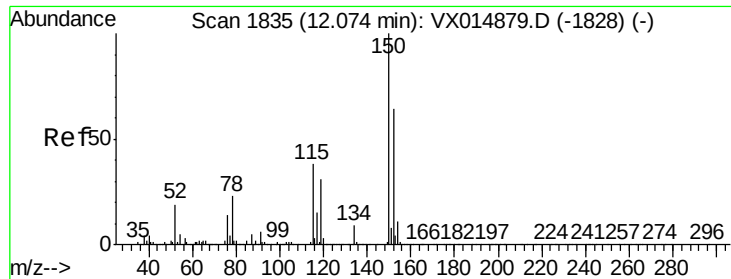
Tot Ion:106 Resp: 62201
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.3



#70
Styrene
Concen: 0.376 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.02 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion:104 Resp: 5243
Ion Ratio Lower Upper
104 100
78 172.5 39.0 58.4#
103 194.1 43.4 65.0#

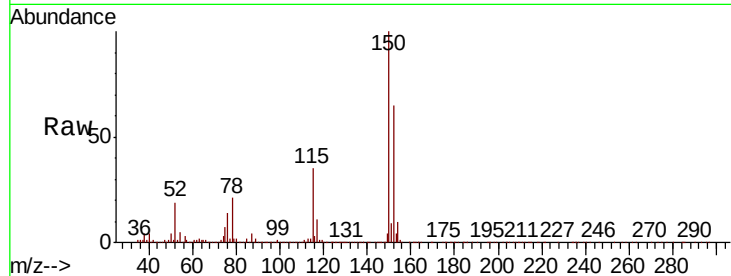




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.6	116.0
150	154.1	0.0	349.0

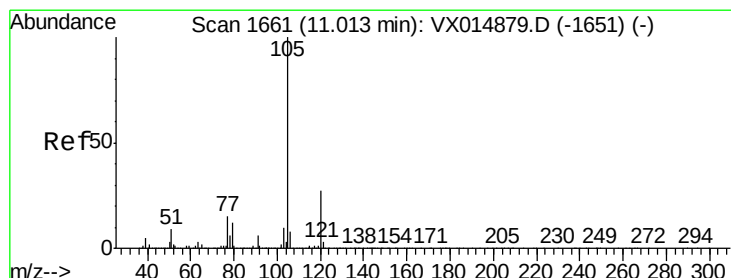
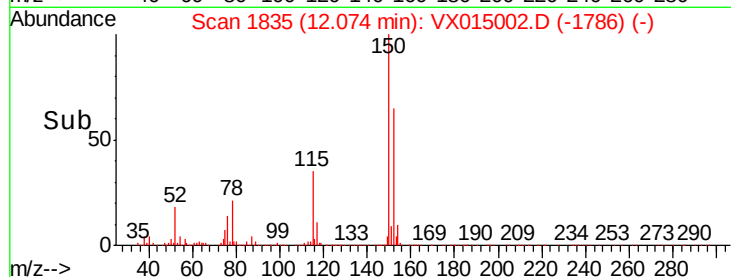
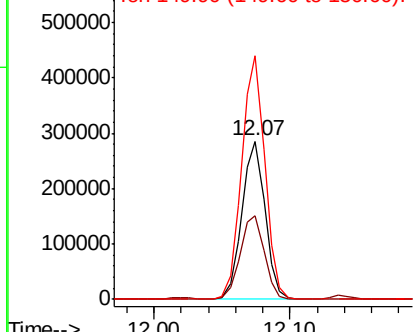


Abundance

Ion 151.90 (151.60 to 152.60): V

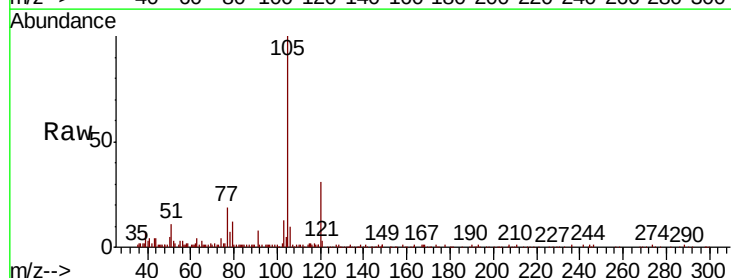
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 1.034 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

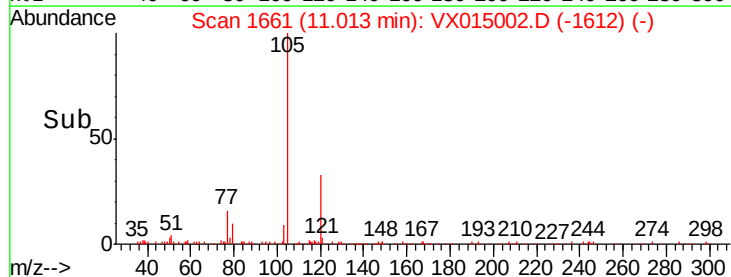
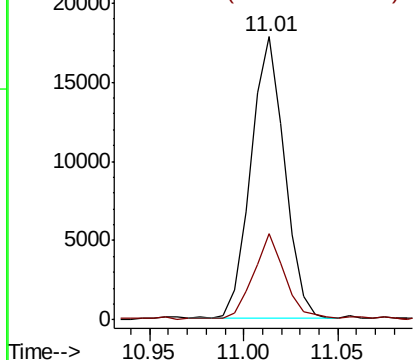
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.6	40.8

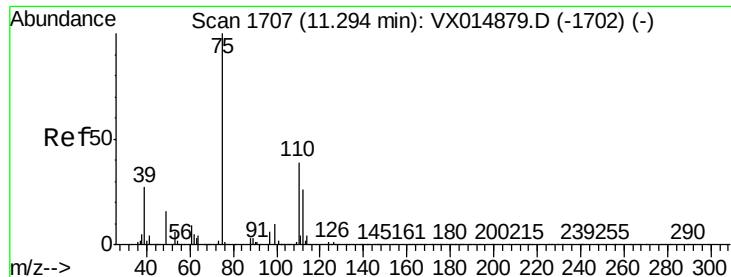


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.343 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

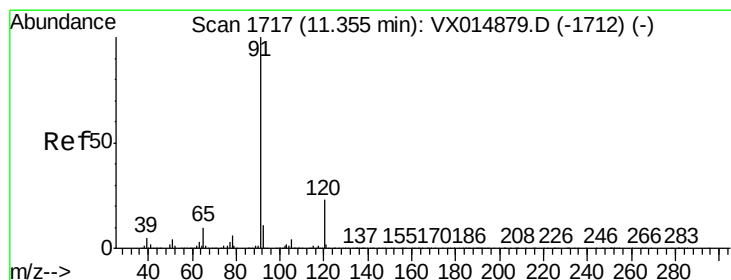
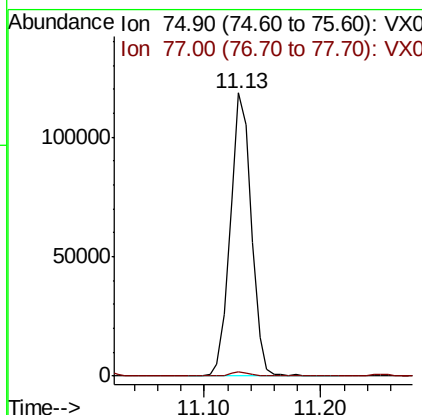
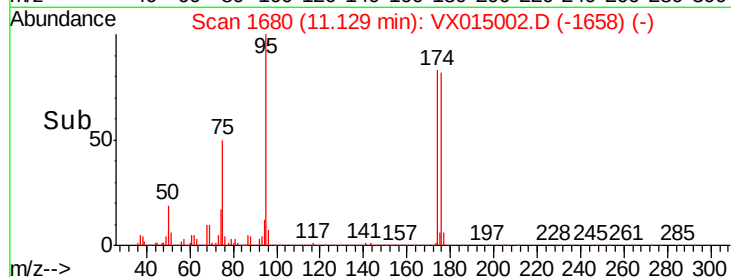
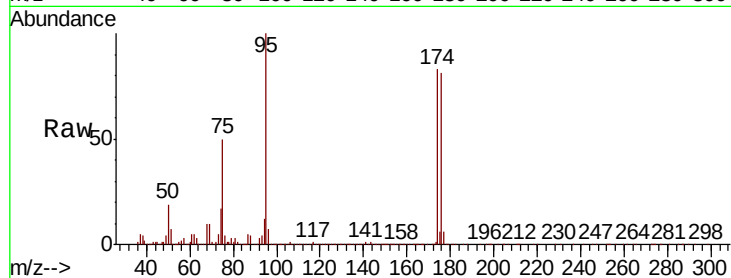
ClientSampleId :

Tot Ion: 75 Resp: 148782

Ion Ratio Lower Upper

75 100

77 1.6 18.4 55.0#



#78

n-propylbenzene

Concen: 3.194 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015002.D

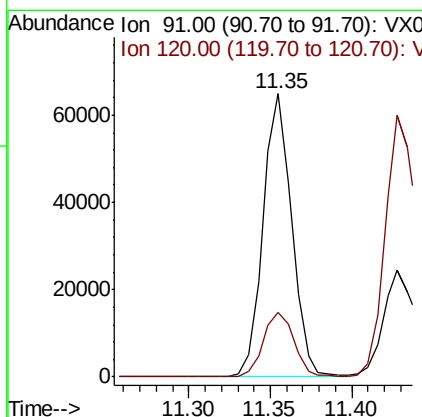
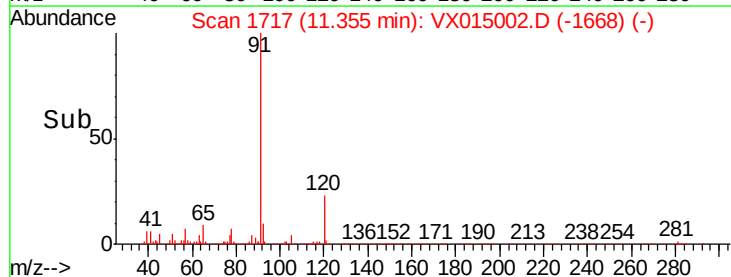
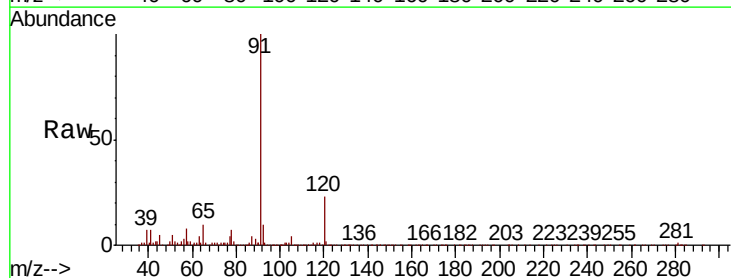
Acq: 24 Feb 2020 11:57

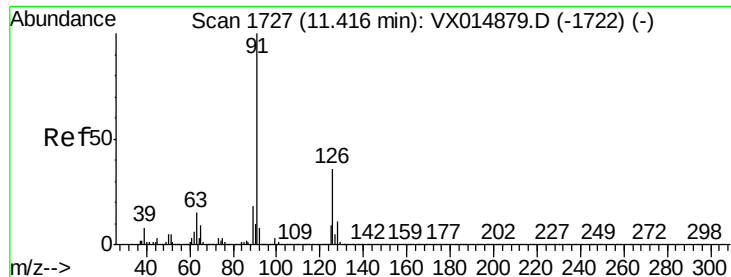
Tgt Ion: 91 Resp: 78306

Ion Ratio Lower Upper

91 100

120 24.5 11.8 35.4





#79

2-Chlorotoluene

Concen: 2.829 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

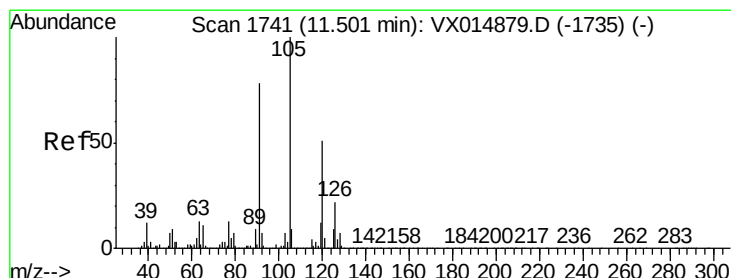
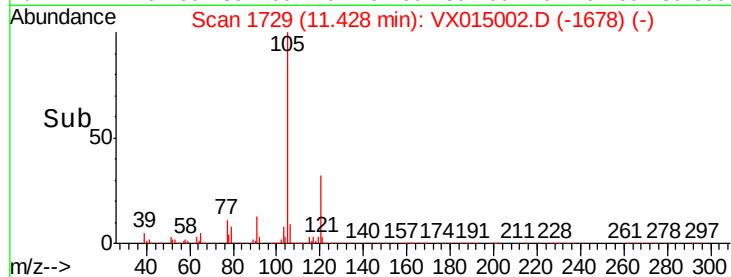
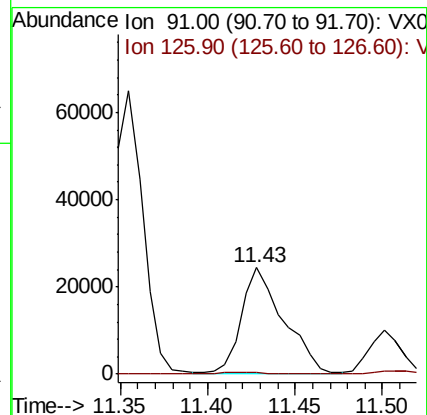
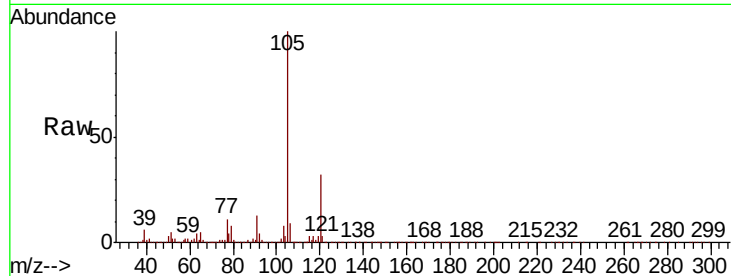
ClientSampleId :

Tot Ion: 91 Resp: 40777

Ion Ratio Lower Upper

91 100

126 2.0 18.0 54.0#



#80

1,3,5-Trimethylbenzene

Concen: 5.457 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015002.D

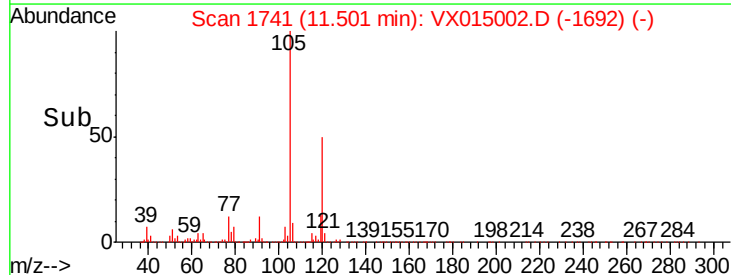
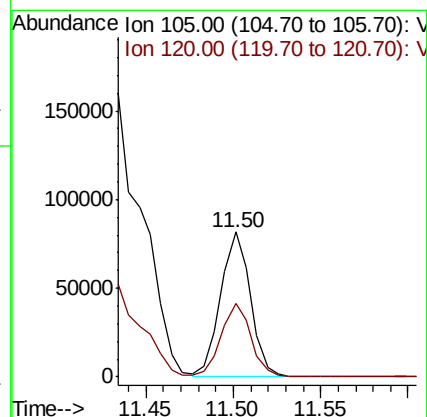
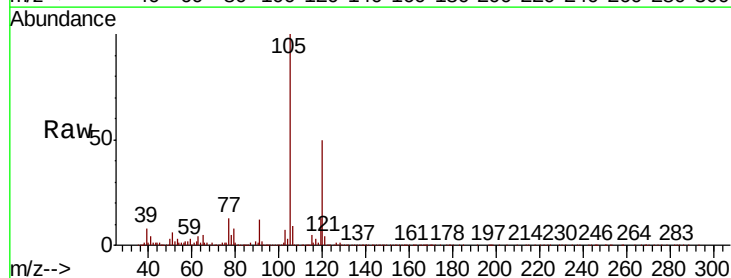
Acq: 24 Feb 2020 11:57

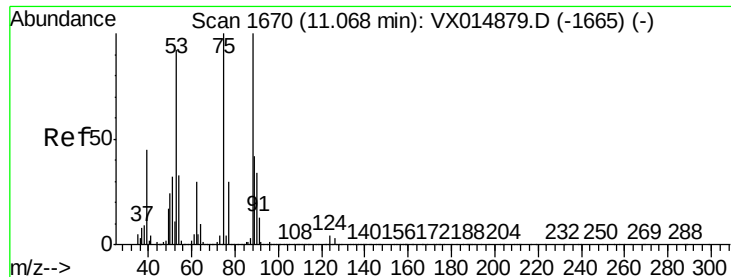
Tgt Ion:105 Resp: 96651

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.6

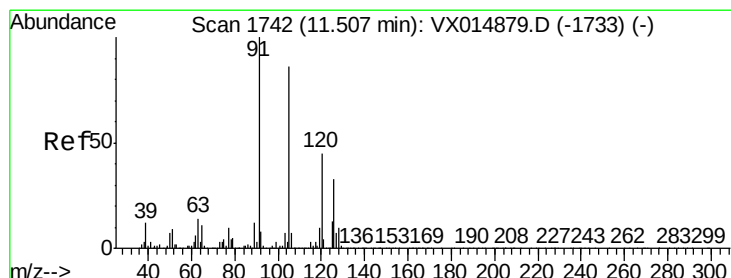
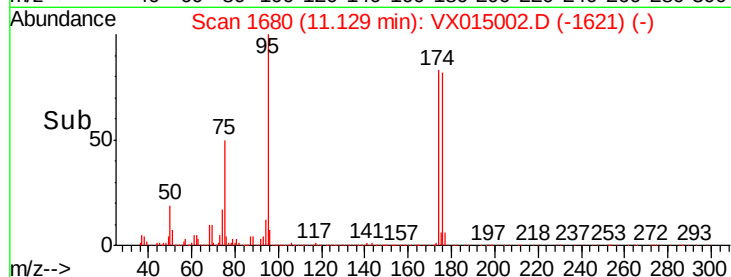
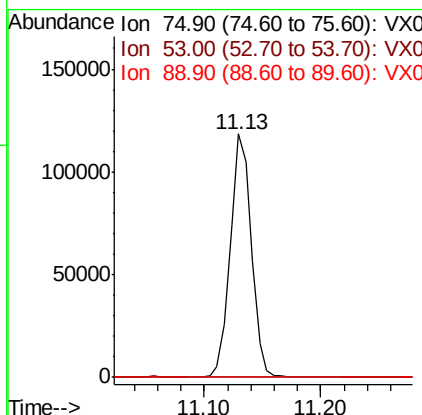
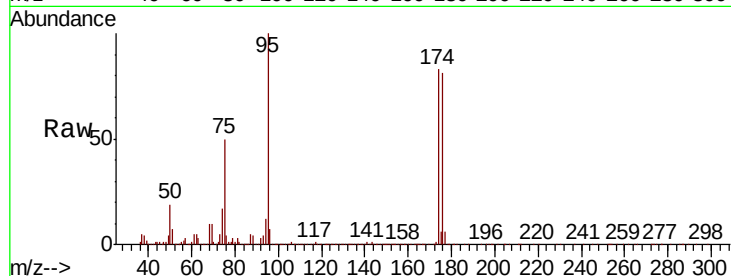




#81
trans-1,4-Dichloro-2-butene
Concen: 62.310 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

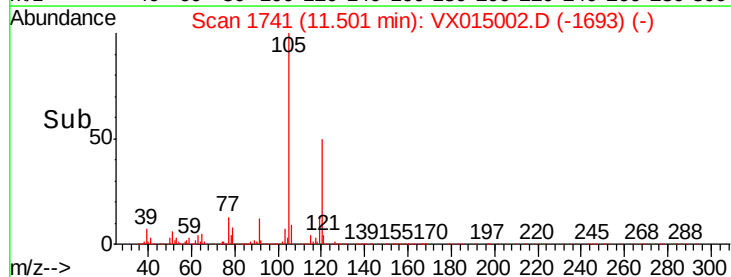
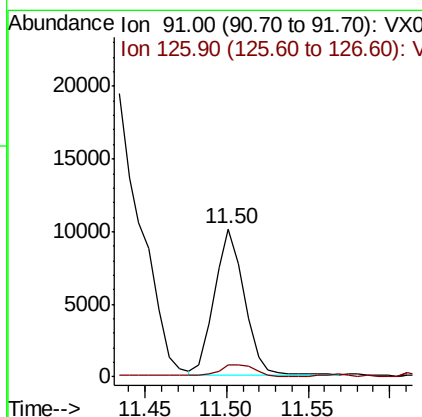
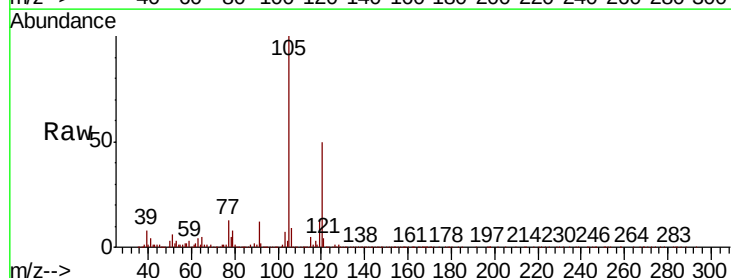
Instrument :
MSVOA_X
ClientSampleId :

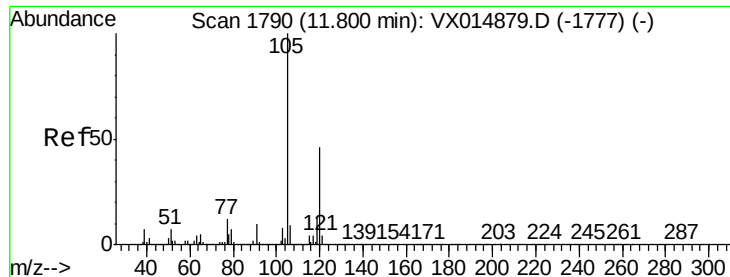
Tot Ion: 75 Resp: 148782
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.2#
89 0.2 35.8 53.6#



#82
4-Chlorotoluene
Concen: 0.753 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion: 91 Resp: 12850
Ion Ratio Lower Upper
91 100
126 10.4 15.7 47.0#





#84

1,2,4-Trimethylbenzene

Concen: 24.599 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

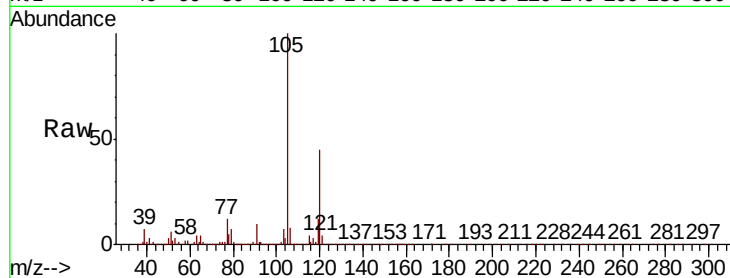
ClientSampleId :

Tot Ion:105 Resp: 439032

Ion Ratio Lower Upper

105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

400000

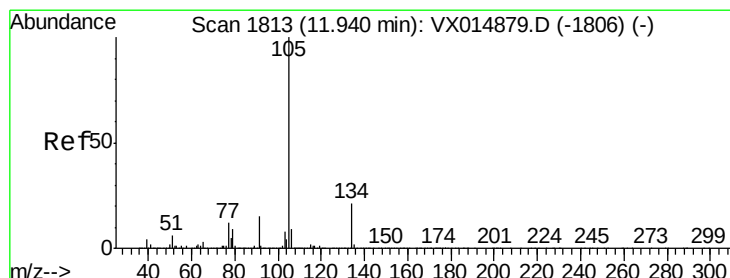
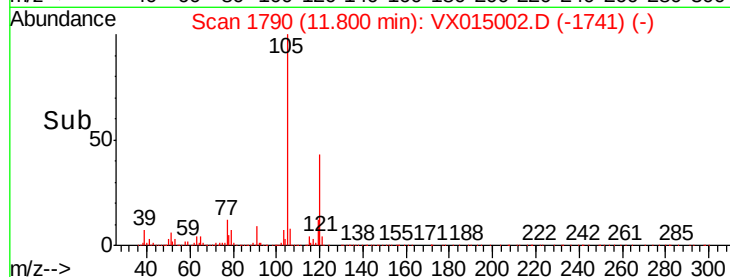
300000

200000

100000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 1.879 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015002.D

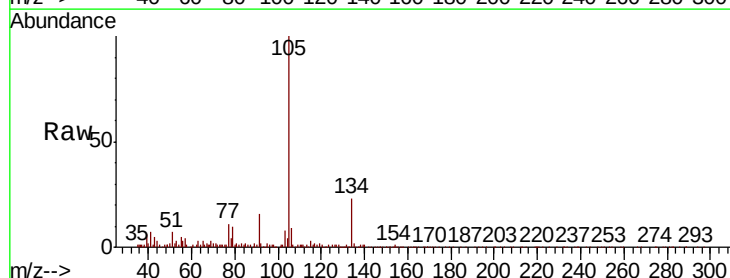
Acq: 24 Feb 2020 11:57

Tgt Ion:105 Resp: 39144

Ion Ratio Lower Upper

105 100

134 26.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

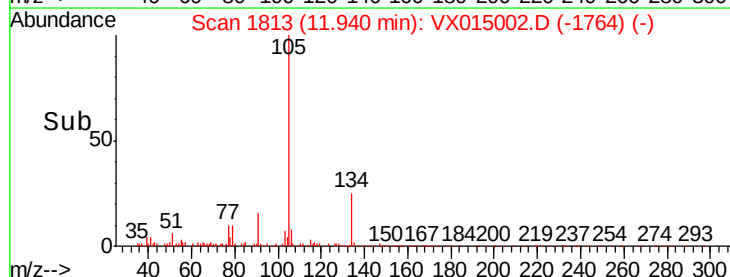
30000

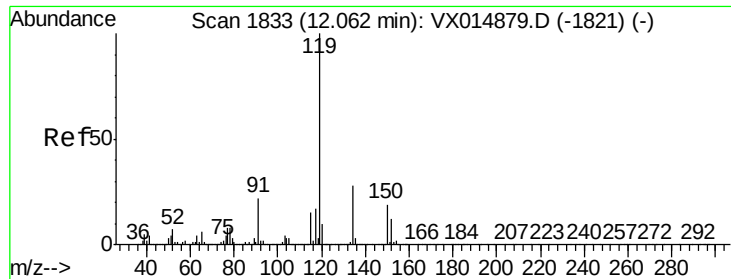
20000

10000

0

Time--> 11.90 11.95 12.00

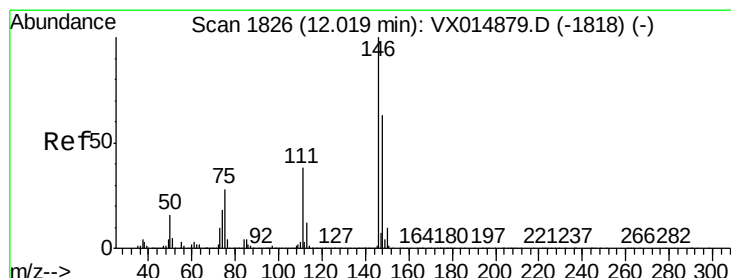
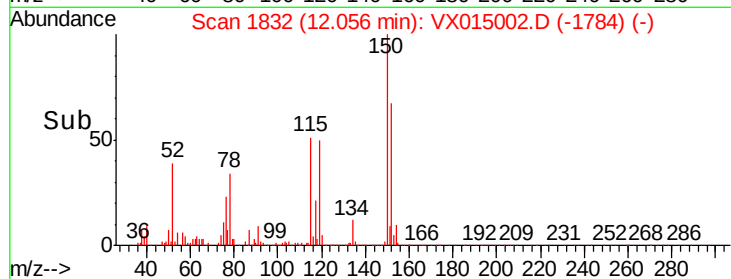
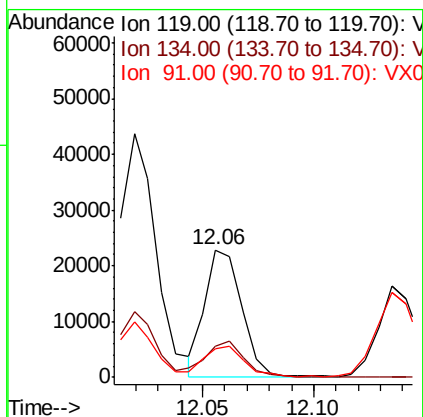
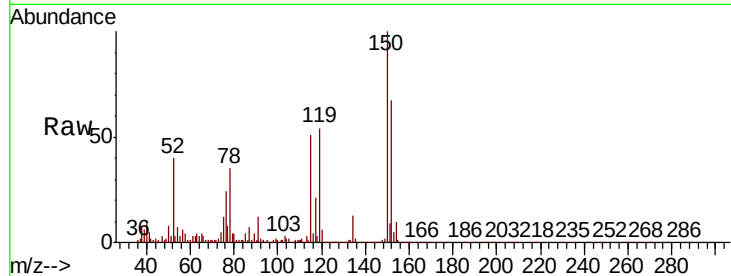




#86
p-Isopropyltoluene
Concen: 1.328 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

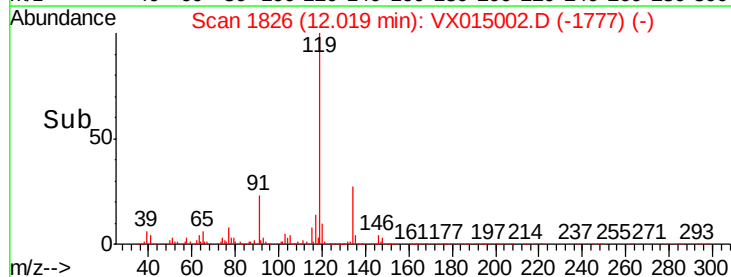
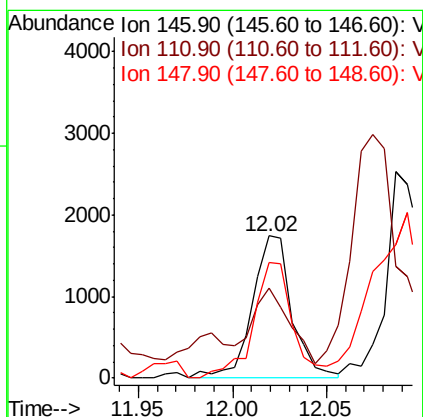
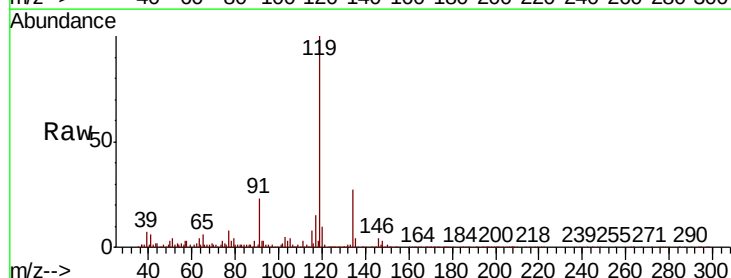
Instrument :
MSVOA_X
ClientSampled :

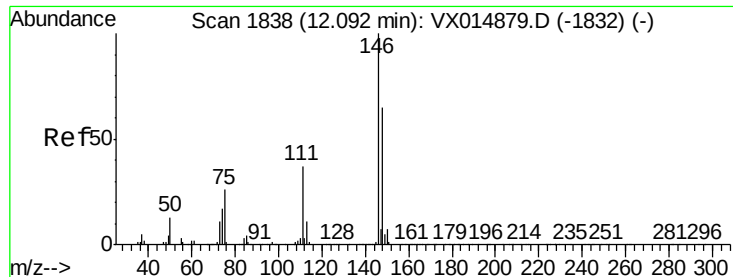
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.5	40.5
91	27.2	11.4	34.1



#87
1,3-Dichlorobenzene
Concen: 0.240 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX015002.D
Acq: 24 Feb 2020 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	18.6	56.0
148	81.5	31.8	95.4

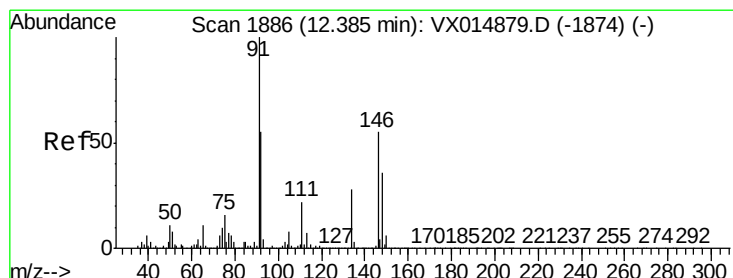
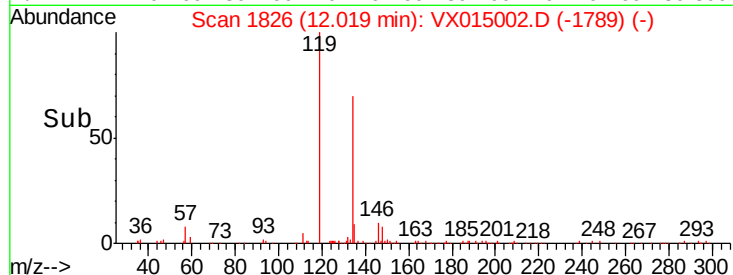
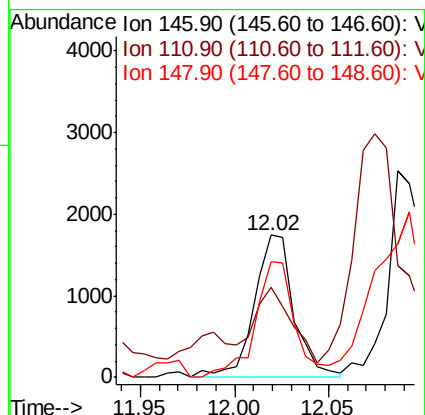
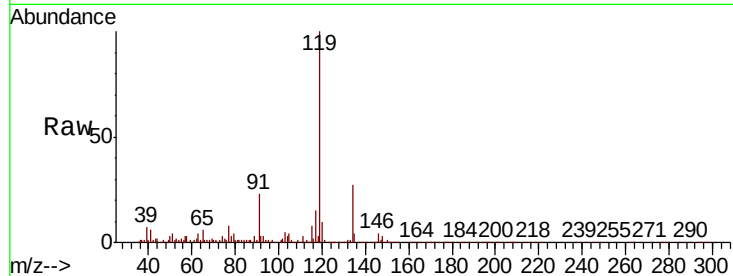




#88
 1,4-Dichlorobenzene
 Concen: 0.235 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.07 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

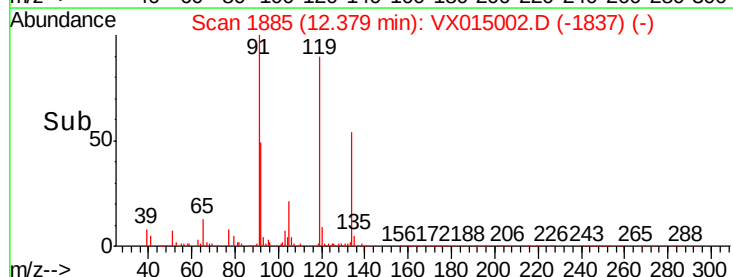
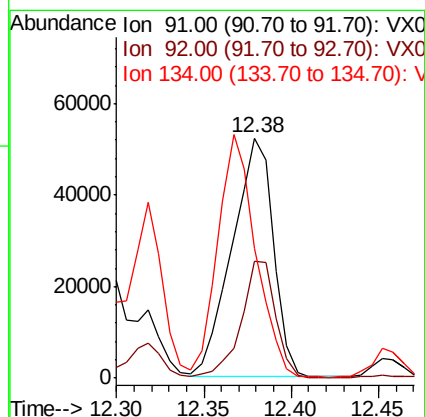
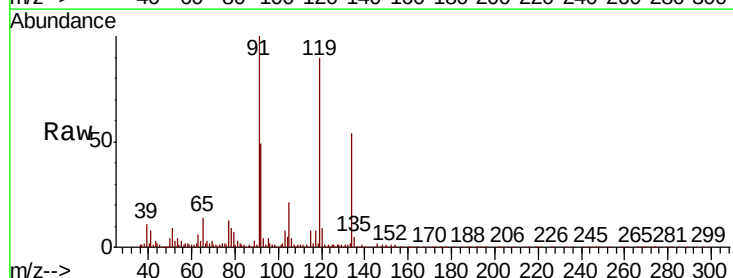
Instrument :
 MSVOA_X
 ClientSampleId :

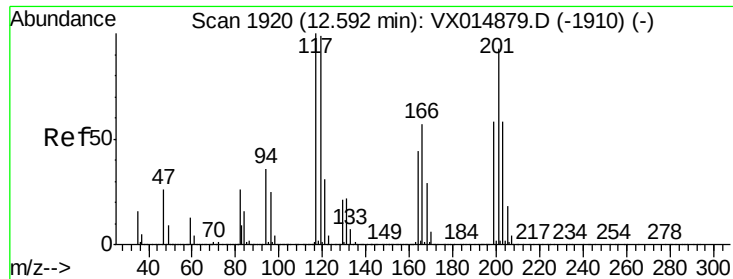
Tot Ion:146 Resp: 2542
 Ion Ratio Lower Upper
 146 100
 111 48.3 18.6 55.6
 148 81.5 32.4 97.0



#89
 n-Butylbenzene
 Concen: 4.913 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Tgt Ion: 91 Resp: 85791
 Ion Ratio Lower Upper
 91 100
 92 40.3 27.3 81.8
 134 93.2 13.8 41.4#





#90

Hexachloroethane

Concen: 3.402 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

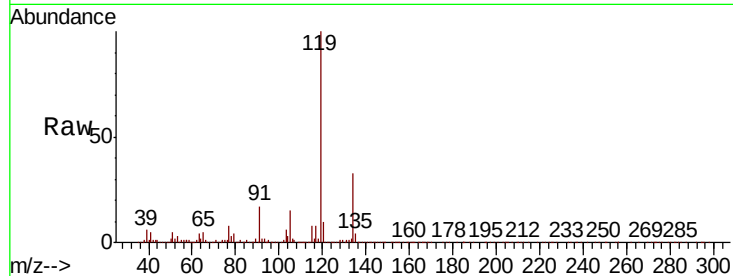
ClientSampleId :

Tot Ion:117 Resp: 11584

Ion Ratio Lower Upper

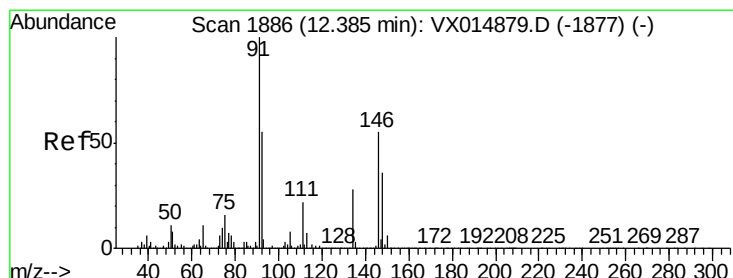
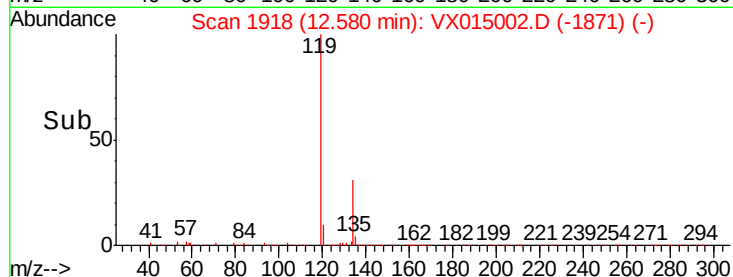
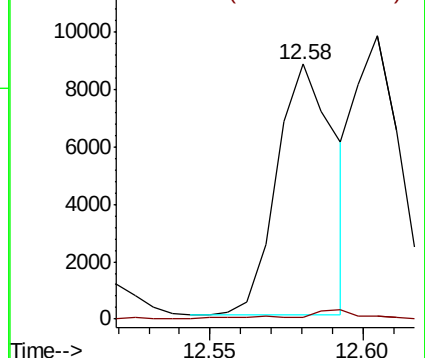
117 100

201 4.2 44.8 134.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.223 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

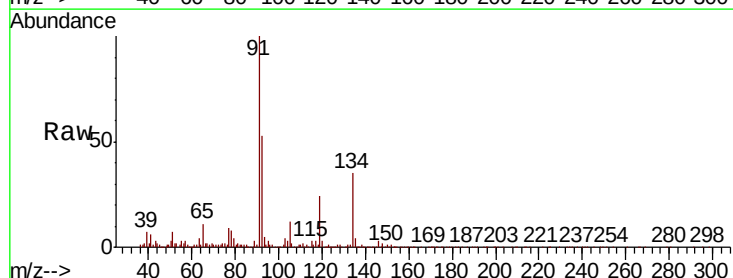
Tgt Ion:146 Resp: 2318

Ion Ratio Lower Upper

146 100

111 41.2 19.8 59.3

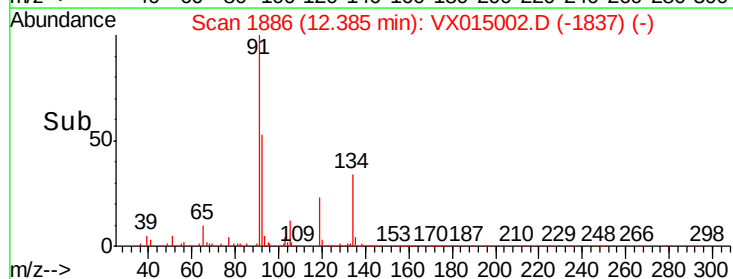
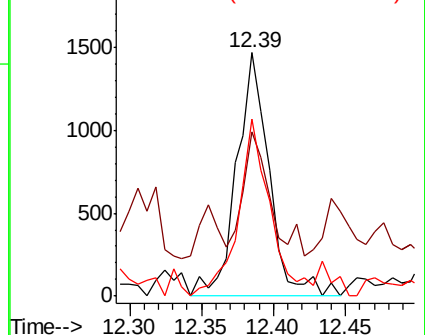
148 68.8 32.4 97.2

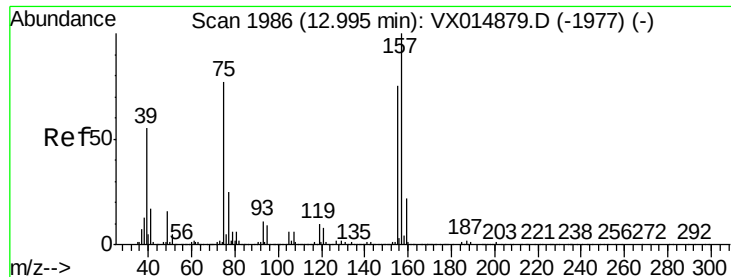


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.503 ug/l

RT: 12.97 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

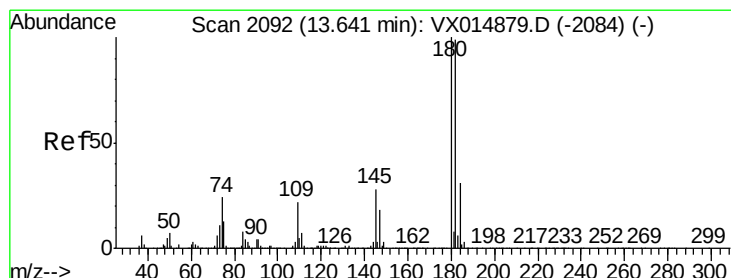
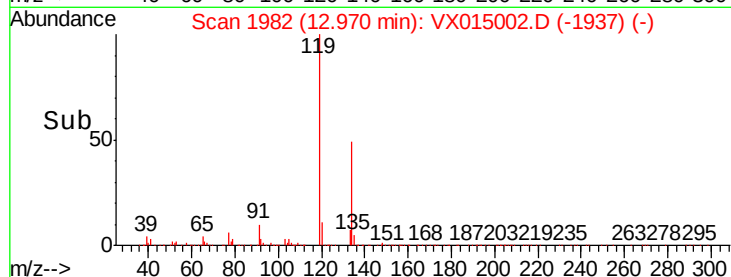
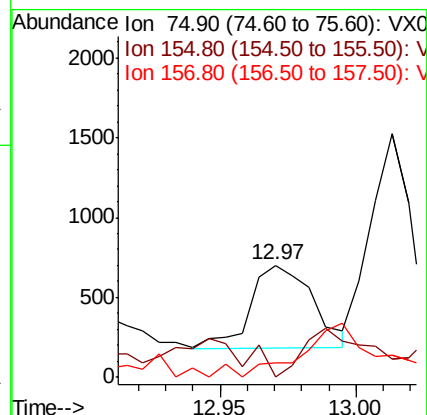
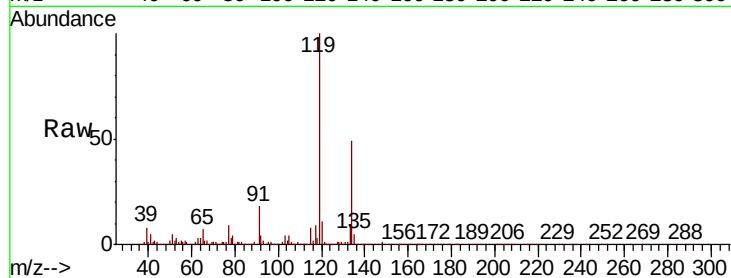
Tot Ion: 75 Resp: 817

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.9#

157 0.0 62.0 186.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.675 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

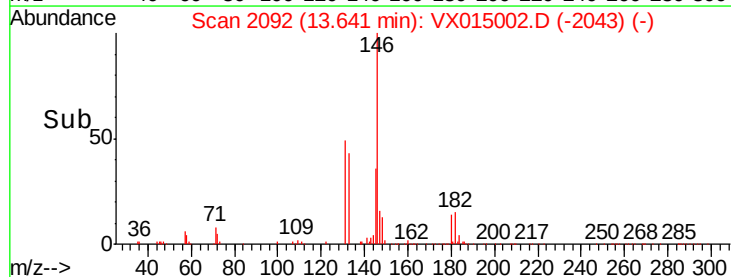
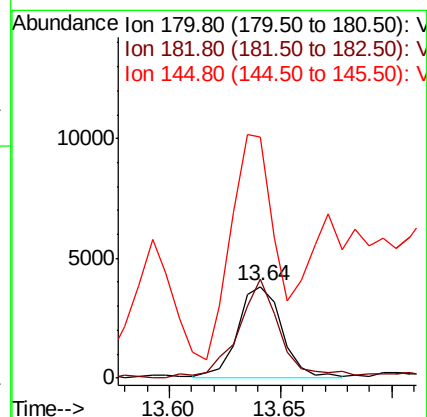
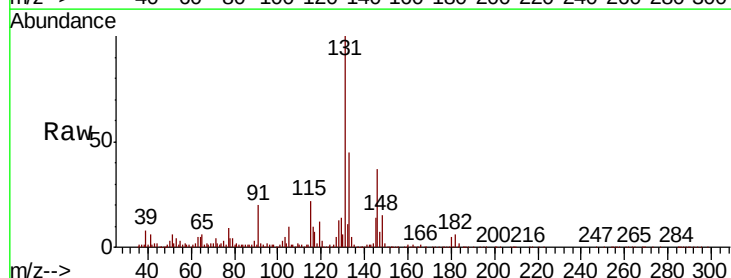
Tgt Ion: 180 Resp: 5183

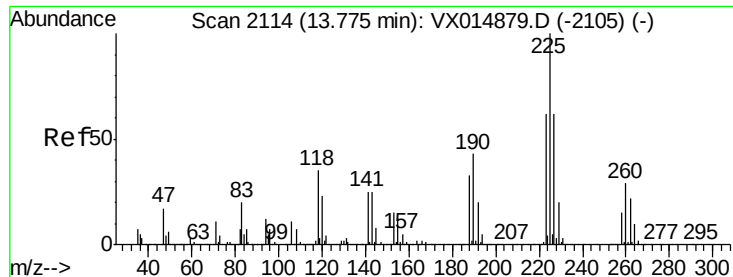
Ion Ratio Lower Upper

180 100

182 106.3 48.4 145.3

145 244.5 14.1 42.4#





#94

Hexachlorobutadiene

Concen: 0.877 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX015002.D

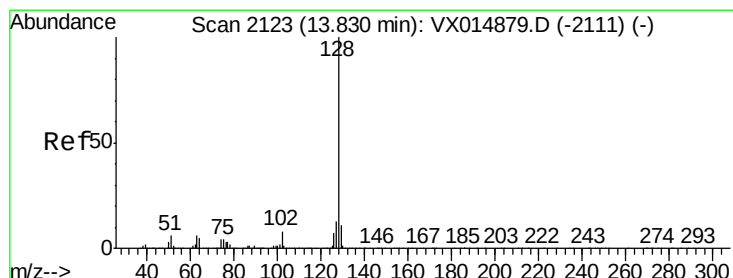
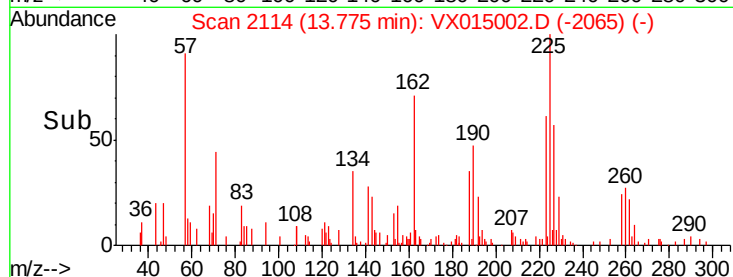
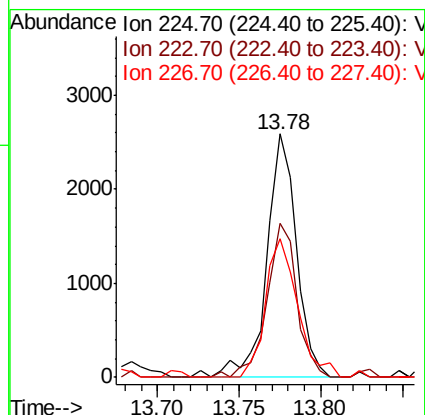
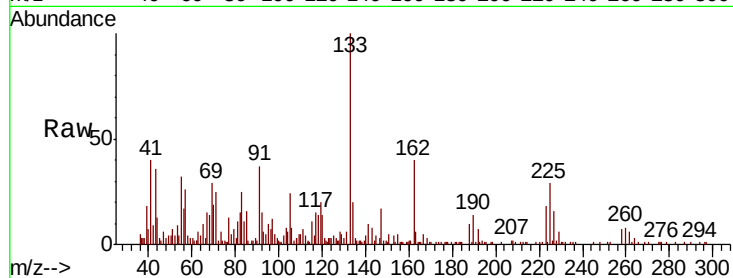
Acq: 24 Feb 2020 11:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	225	Resp:	3259
Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.2
227	61.5	30.9	92.5



#95

Naphthalene

Concen: 11.433 ug/l

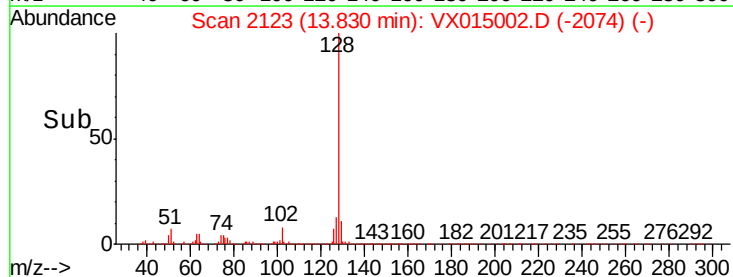
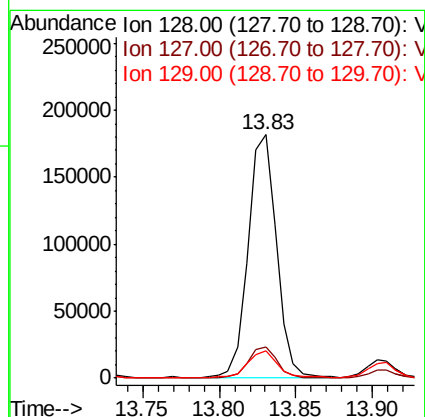
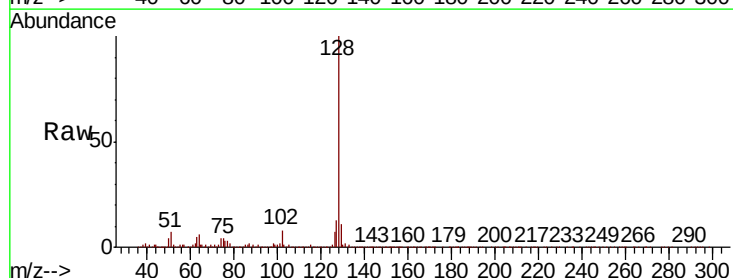
RT: 13.83 min Scan# 2123

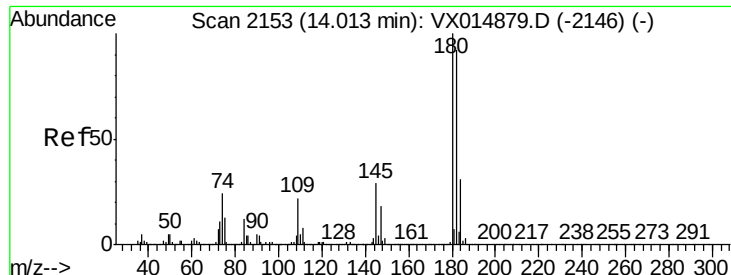
Delta R.T. 0.00 min

Lab File: VX015002.D

Acq: 24 Feb 2020 11:57

Tgt Ion:	128	Resp:	233527
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.8	8.6	13.0

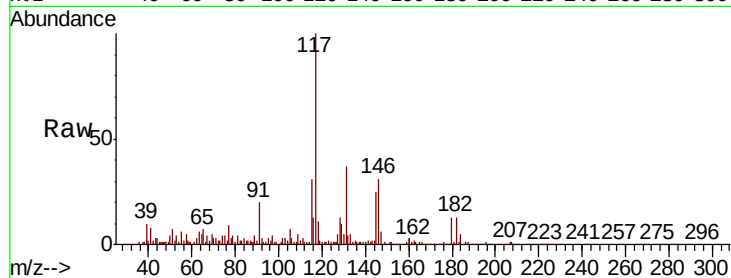




#96
 1,2,3-Trichlorobenzene
 Concen: 0.654 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX015002.D
 Acq: 24 Feb 2020 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	325.0	14.5	43.5#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

