

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015473.D
 Acq On : 02 Apr 2020 11:41
 Operator : JC/SP
 Sample : VX0402WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 07:59:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1246422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	2059945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1872084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	929030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	837123	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	5.47	113	647910	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.70	98	2434696	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.12	95	993544	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

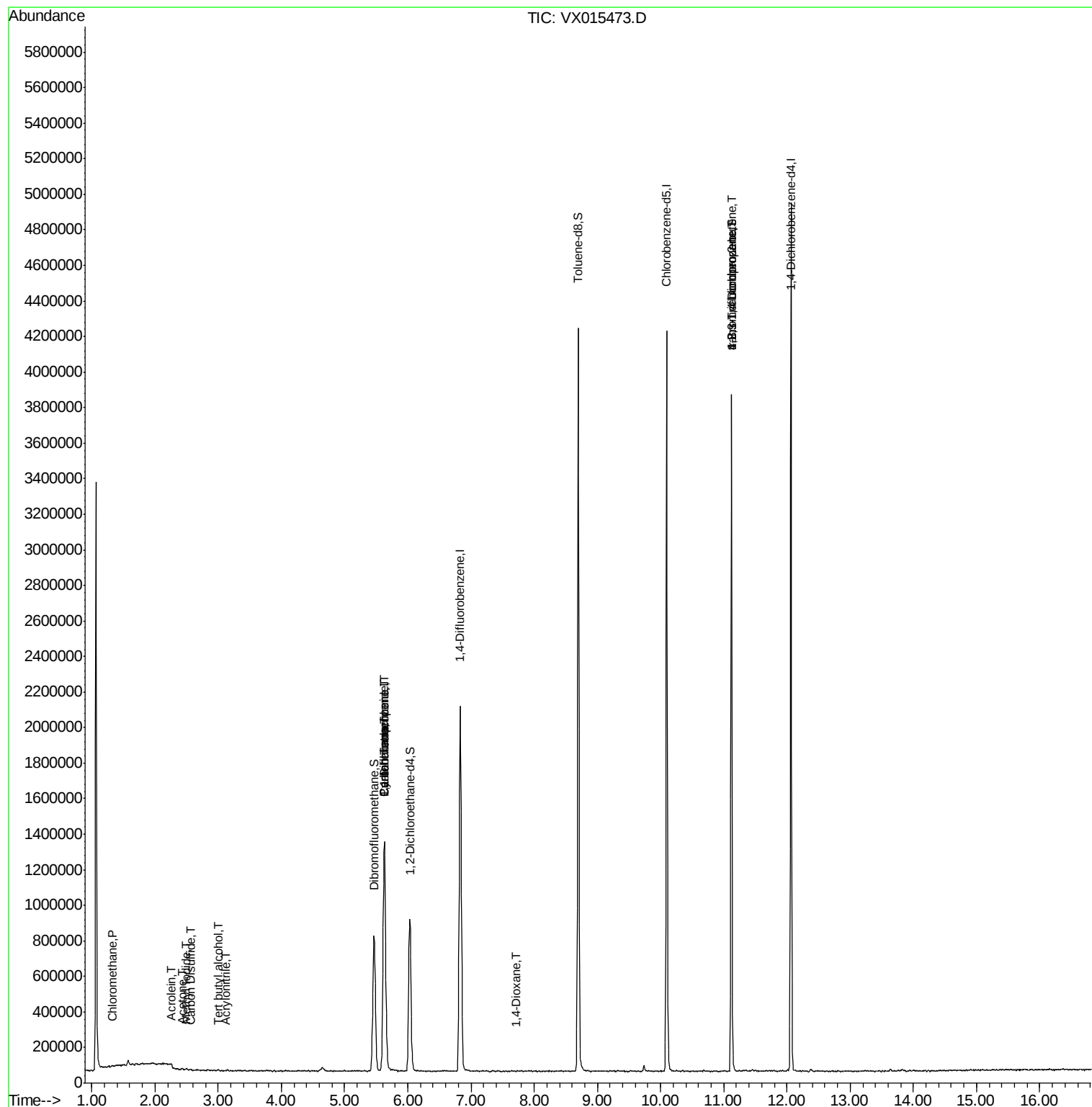
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3212	0.230	ug/l	100
5) Bromomethane	1.64	94	3214	Below Cal		87
10) Methyl Iodide	2.50	142	7626	0.504	ug/l	95
11) Tert butyl alcohol	3.00	59	3248	0.772	ug/l #	89
13) Acrolein	2.27	56	1211	0.505	ug/l #	1
15) Acrylonitrile	3.12	53	1932	0.241	ug/l #	11
16) Acetone	2.42	43	2076	0.275	ug/l #	86
17) Carbon Disulfide	2.56	76	7584	0.211	ug/l	97
31) Cyclohexane	5.62	56	26912	1.209	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	97918	5.159	ug/l #	52
38) Carbon Tetrachloride	5.63	117	119550	5.815	ug/l #	15
49) 1,4-Dioxane	7.72	88	265	0.682	ug/l #	65
76) 1,2,3-Trichloropropane	11.12	75	513911	26.900	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	513911	64.544	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Instrument :

MSVOA_X

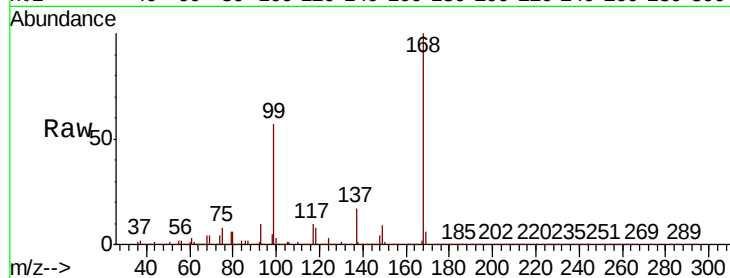
ClientSampleId :

Tot Ion:168 Resp: 1246422

Ion Ratio Lower Upper

168 100

99 57.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

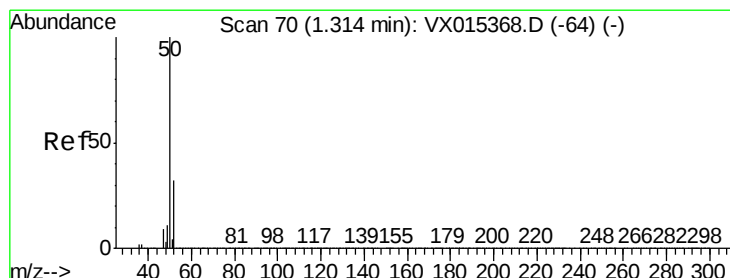
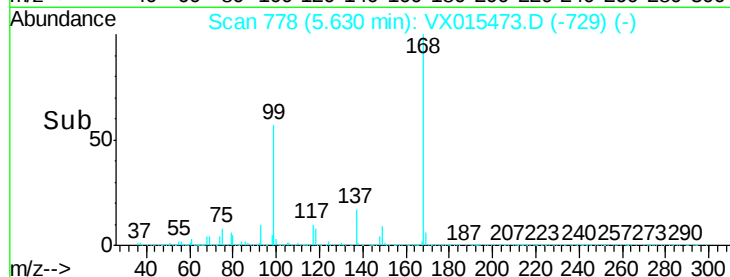
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015473.D

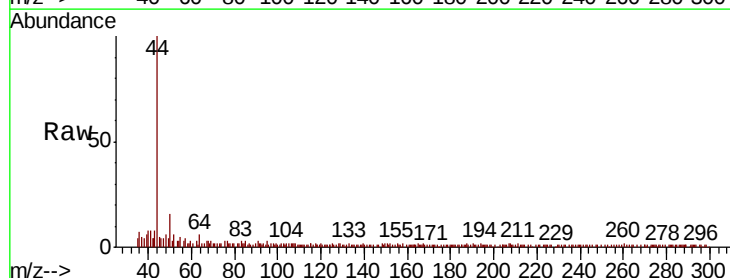
Acq: 02 Apr 2020 11:41

Tgt Ion: 50 Resp: 3212

Ion Ratio Lower Upper

50 100

52 31.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

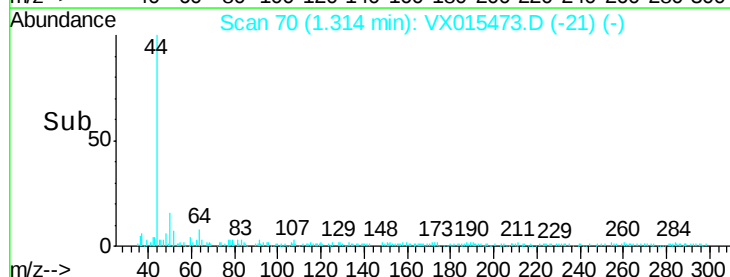
1500

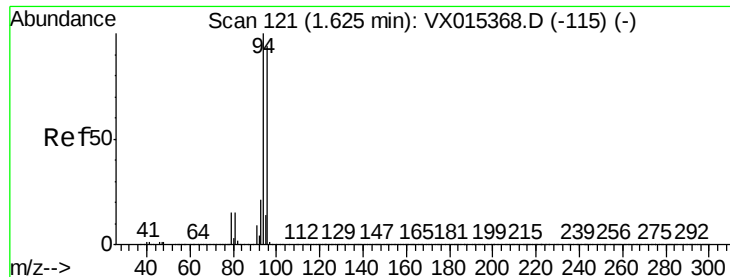
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Instrument :

MSVOA_X

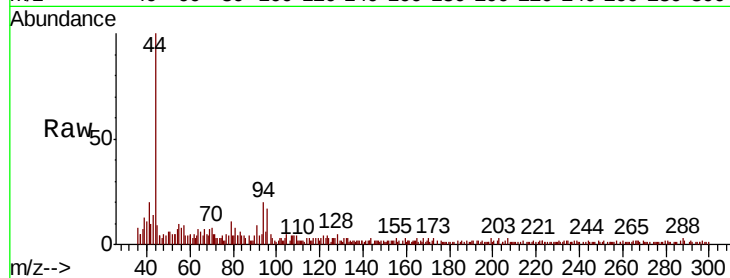
ClientSampled :

Tot Ion: 94 Resp: 3214

Ion Ratio Lower Upper

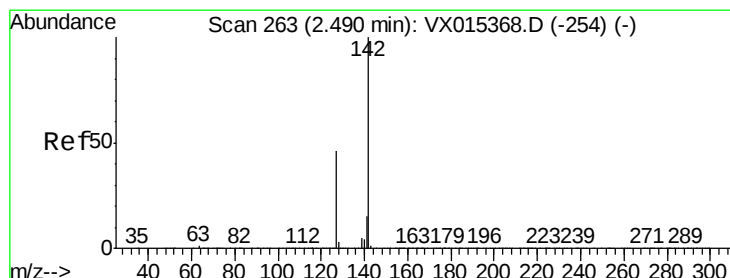
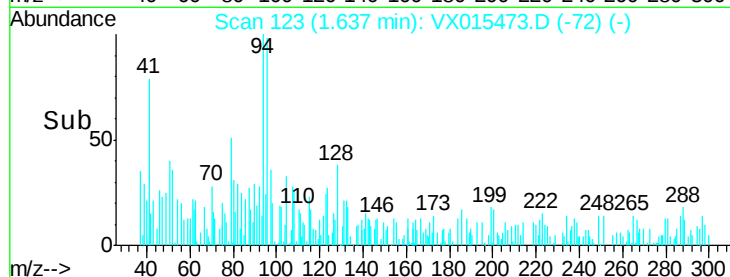
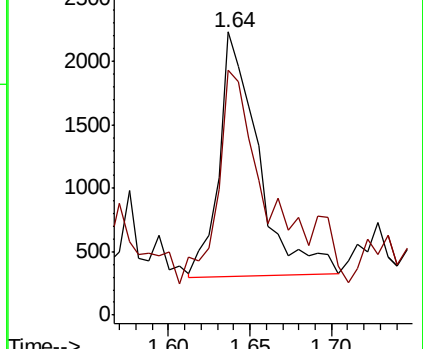
94 100

96 81.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.504 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

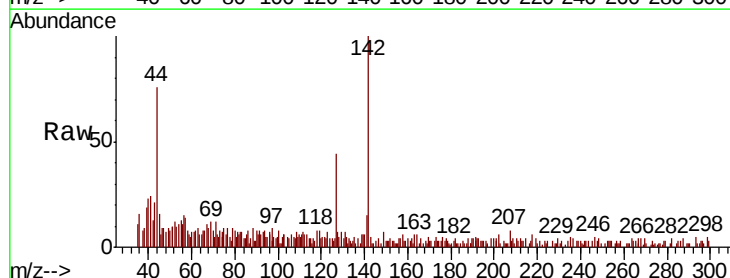
Tgt Ion: 142 Resp: 7626

Ion Ratio Lower Upper

142 100

127 48.5 35.9 53.9

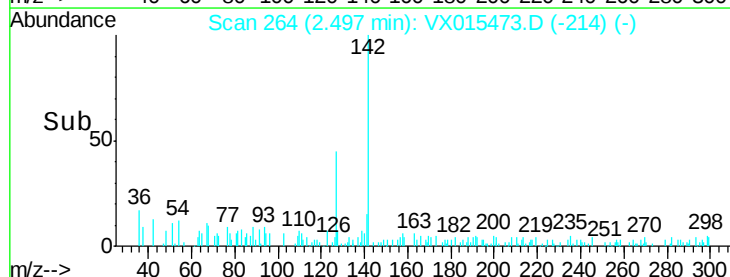
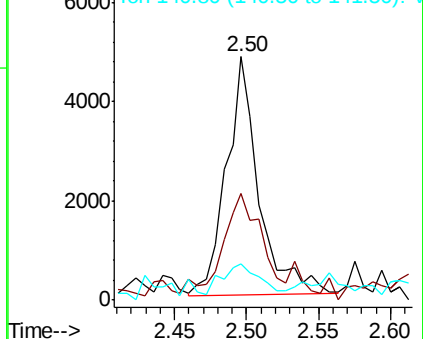
141 13.8 11.6 17.4

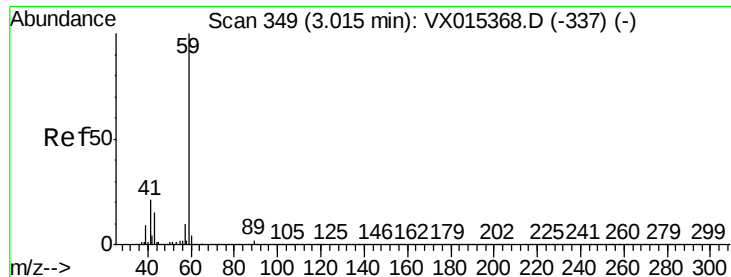


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



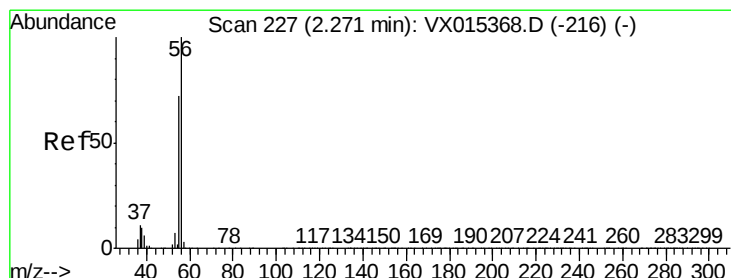
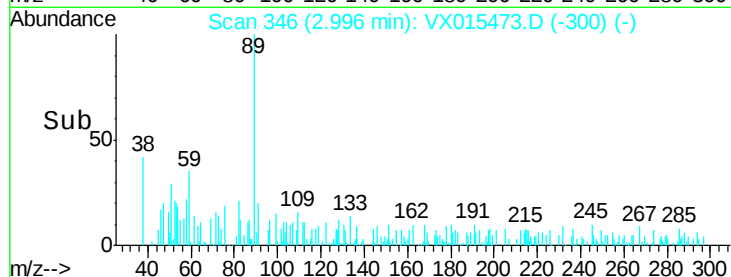
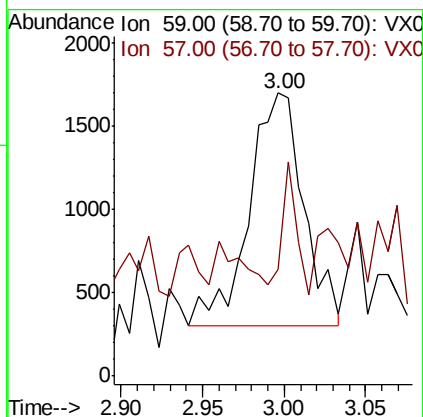
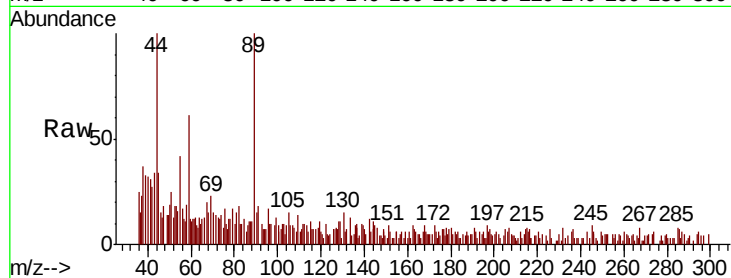


#11

Tert butyl alcohol
Concen: 0.772 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

Instrument :
MSVOA_X
ClientSampleId :

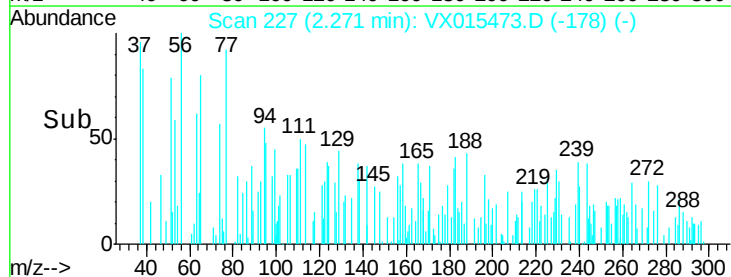
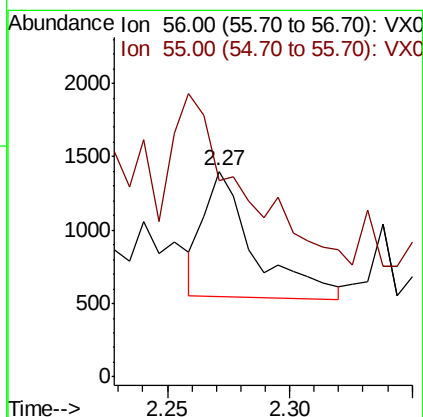
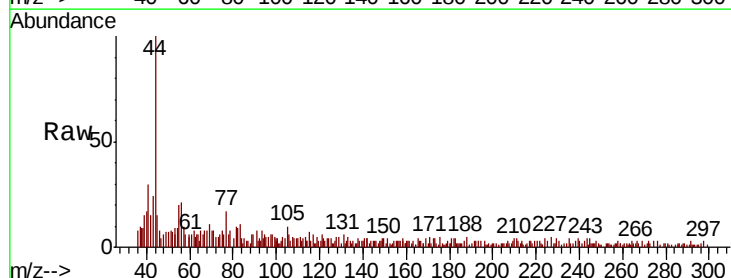
Tot Ion: 59 Resp: 3248
Ion Ratio Lower Upper
59 100
57 14.2 8.1 12.1#

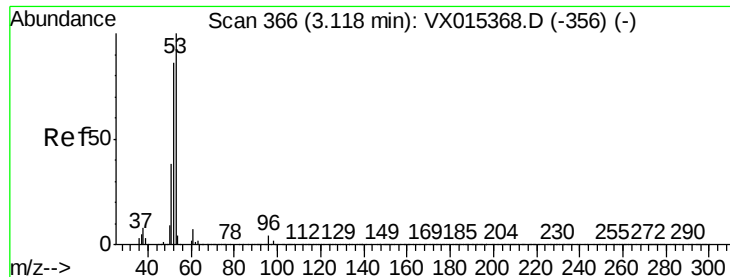


#13

Acrolein
Concen: 0.505 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

Tgt Ion: 56 Resp: 1211
Ion Ratio Lower Upper
56 100
55 184.6 57.0 85.4#





#15

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.01 min

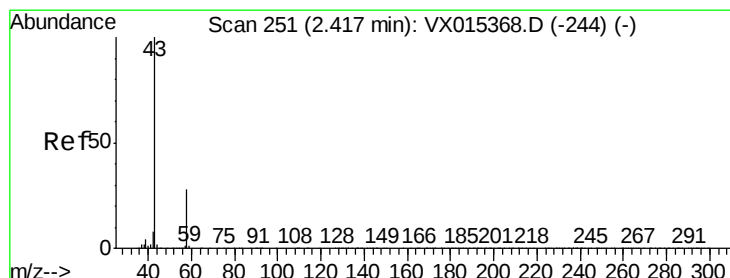
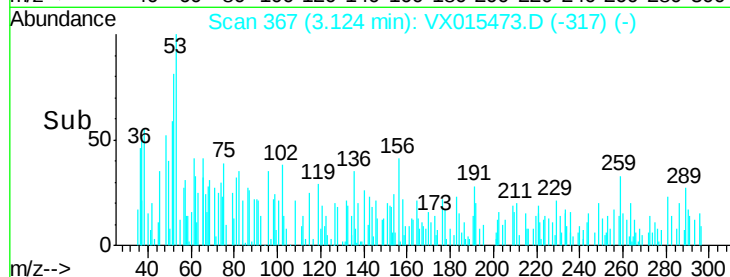
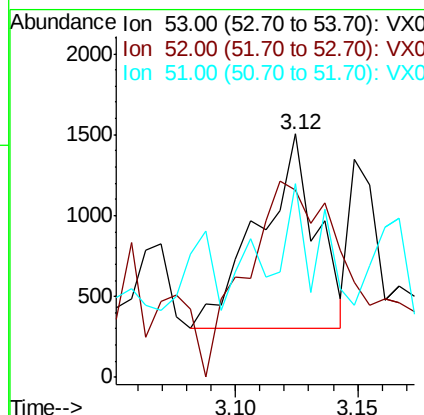
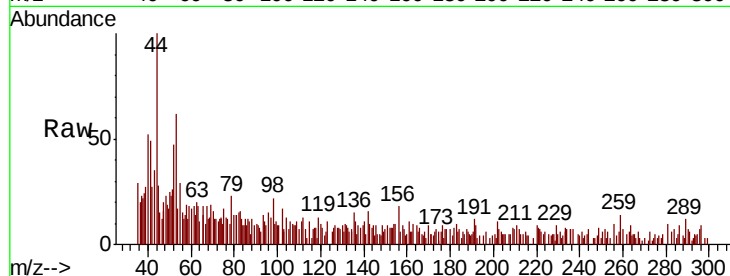
Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 1932

Ion	Ratio	Lower	Upper
53	100		
52	194.2	66.8	100.2#
51	44.3	29.5	44.3



#16

Acetone

Concen: 0.275 ug/l

RT: 2.42 min Scan# 252

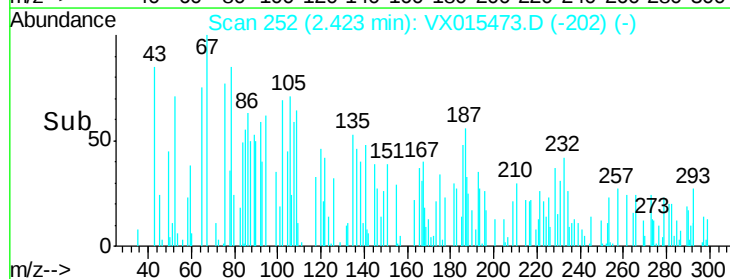
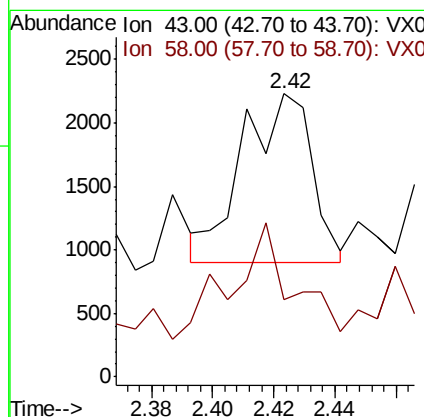
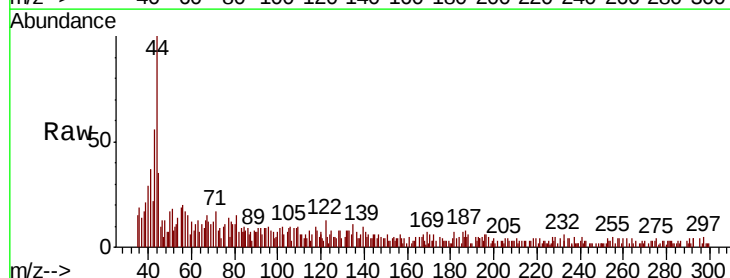
Delta R.T. 0.01 min

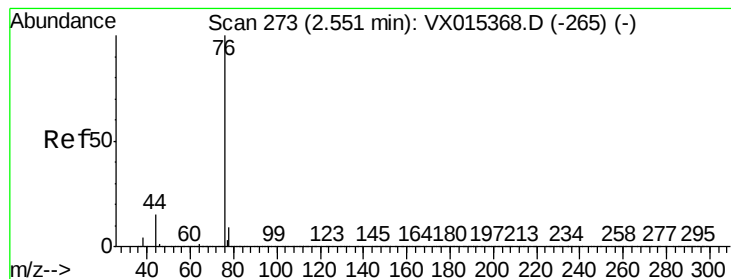
Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Tgt Ion: 43 Resp: 2076

Ion	Ratio	Lower	Upper
43	100		
58	20.5	22.1	33.1#





#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Instrument :

MSVOA_X

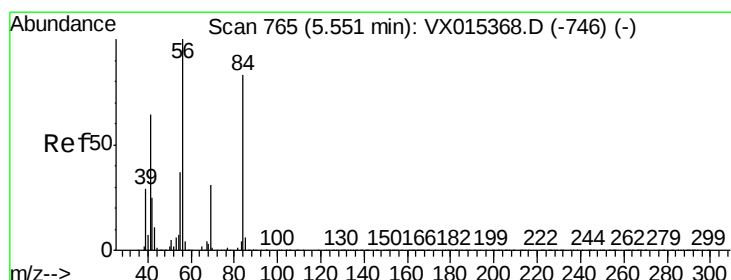
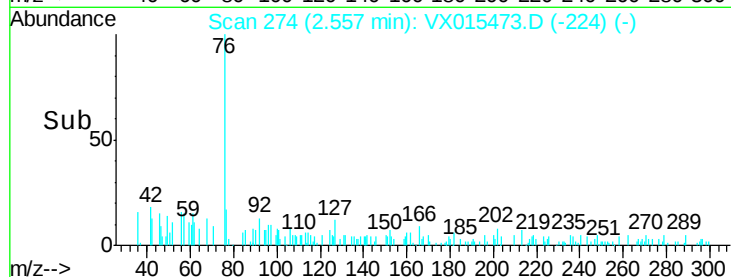
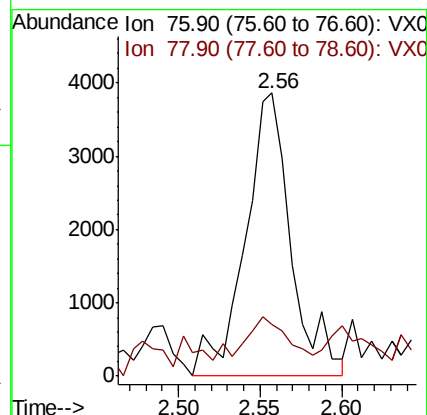
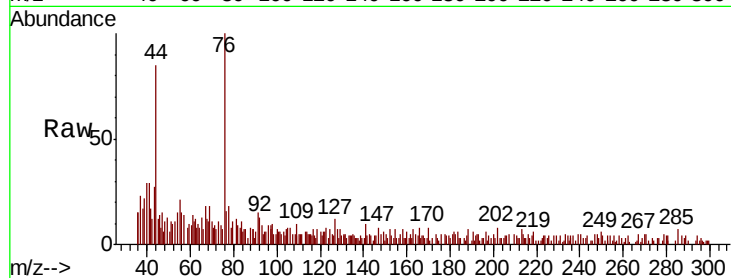
ClientSampleId :

Tot Ion: 76 Resp: 7584

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 5.62 min Scan# 777

Delta R.T. 0.07 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

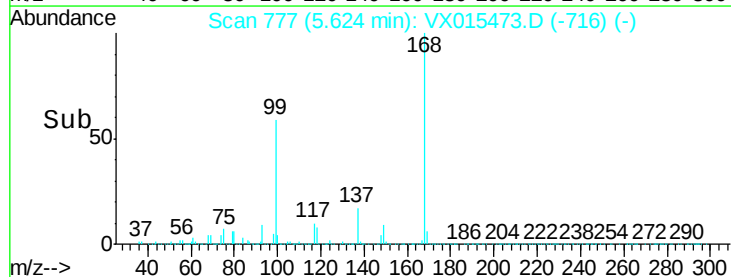
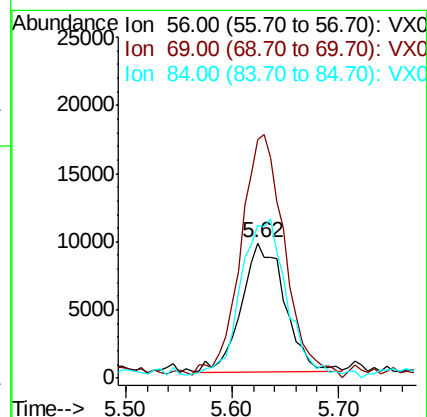
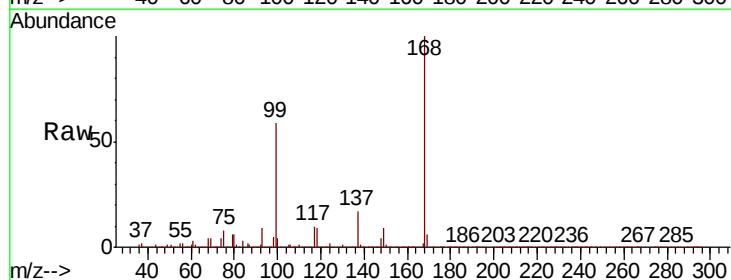
Tgt Ion: 56 Resp: 26912

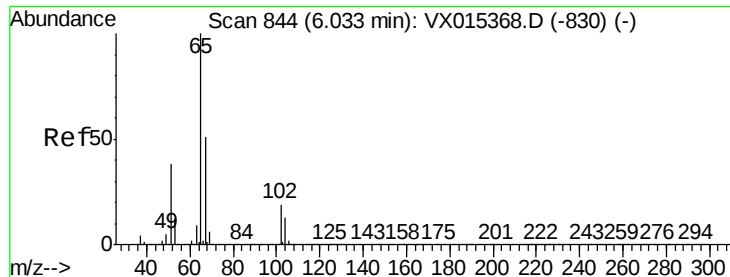
Ion Ratio Lower Upper

56 100

69 186.9 24.6 36.8#

84 116.0 66.1 99.1#

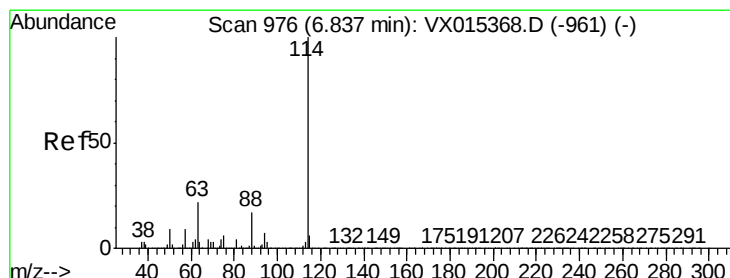
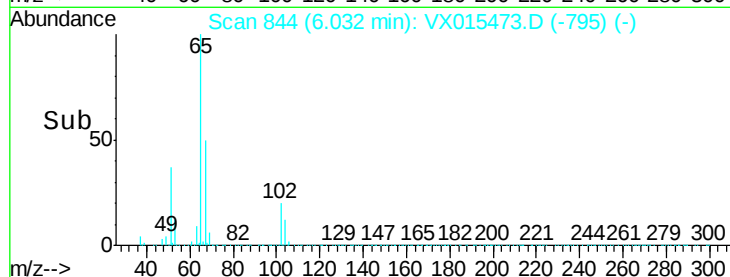
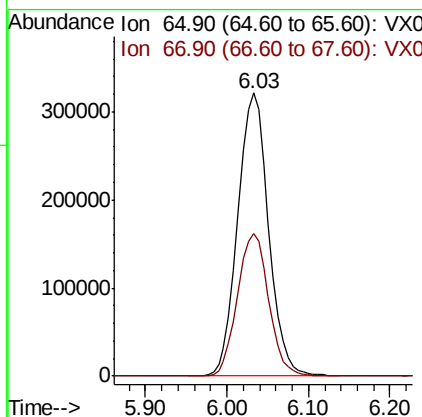
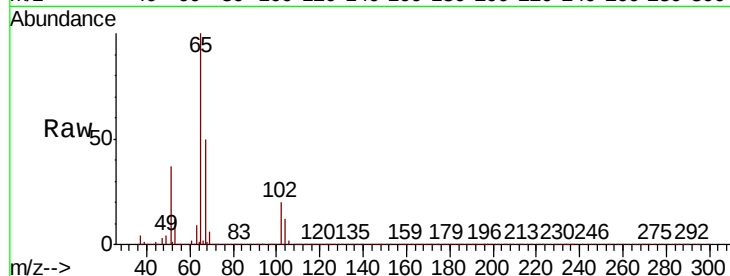




#33
 1,2-Dichloroethane-d4
 Concen: 47.620 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015473.D
 Acq: 02 Apr 2020 11:41

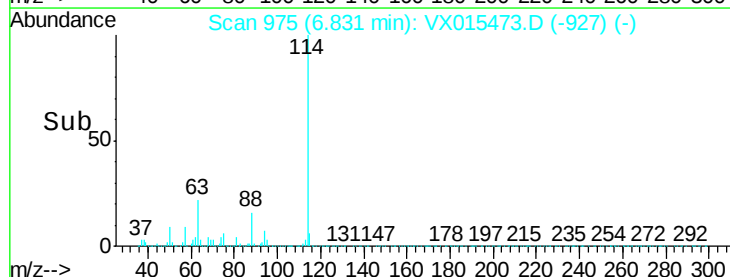
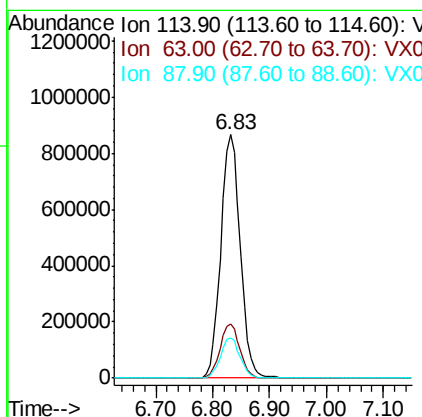
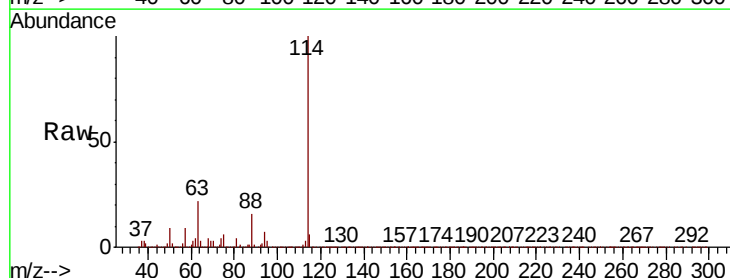
Instrument :
 MSVOA_X
 ClientSampleId :

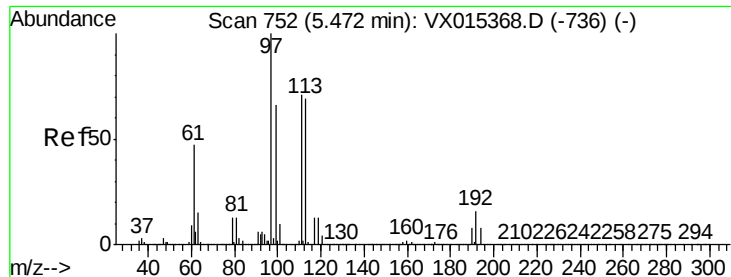
Tot Ion: 65 Resp: 837123
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015473.D
 Acq: 02 Apr 2020 11:41

Tgt Ion: 114 Resp: 2059945
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 16.2 0.0 33.8

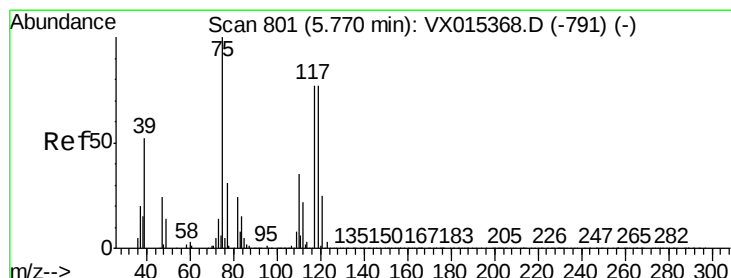
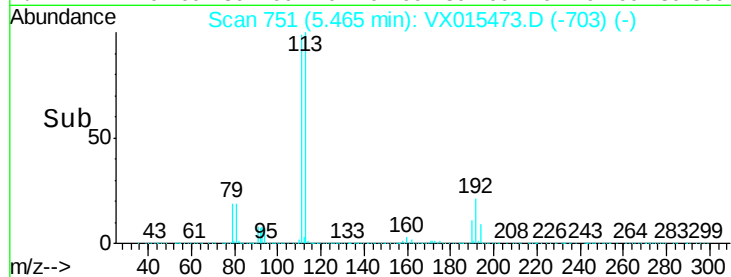
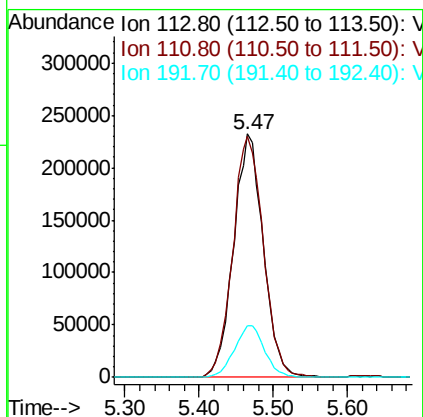
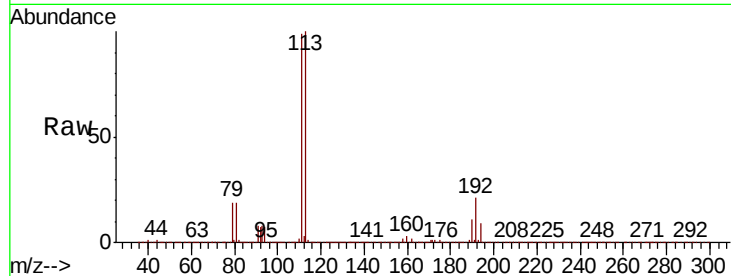




#35
 Dibromofluoromethane
 Concen: 49.204 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015473.D
 Acq: 02 Apr 2020 11:41

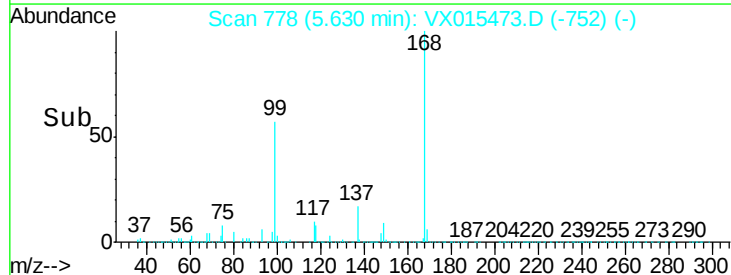
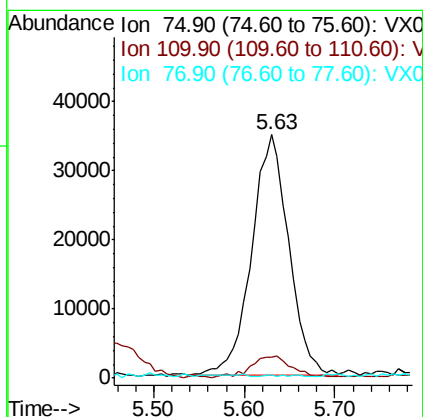
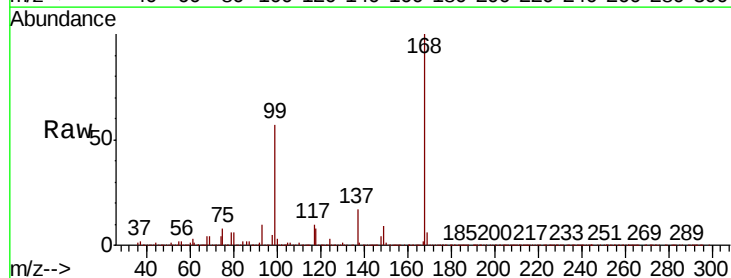
Instrument :
 MSVOA_X
 ClientSampleId :

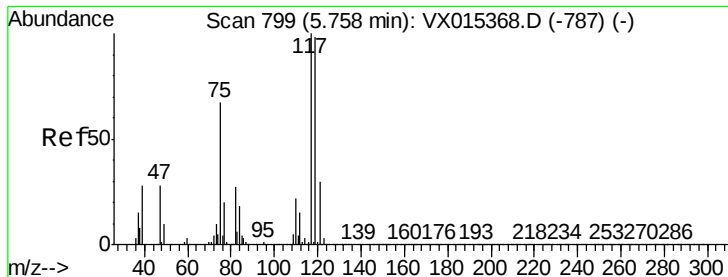
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	21.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.159 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015473.D
 Acq: 02 Apr 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.1	51.3#
77	0.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015473.D

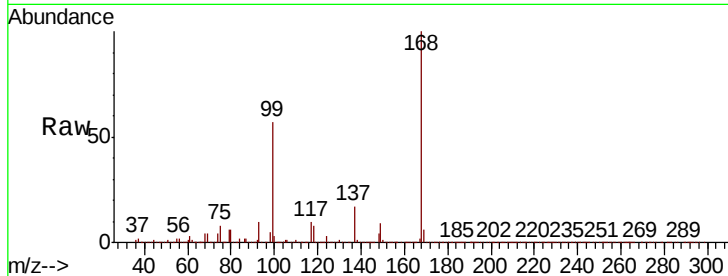
Acq: 02 Apr 2020 11:41

Instrument :

MSVOA_X

ClientSampled :

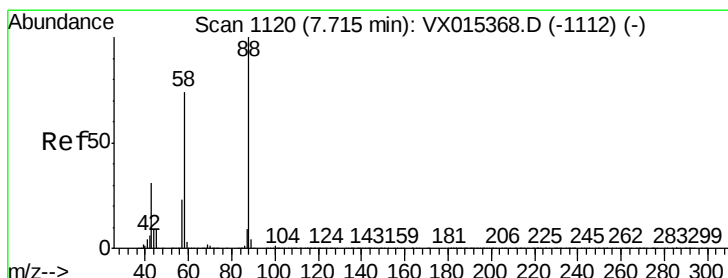
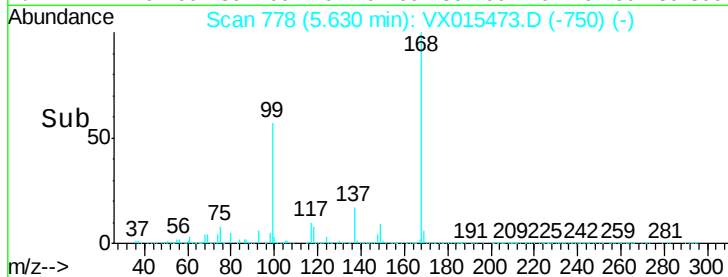
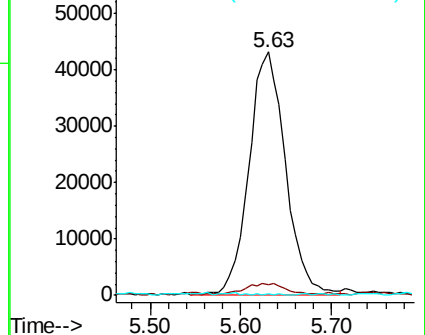
Tot Ion:	117	Resp:	119550
Ion	Ratio	Lower	Upper
117	100		
119	3.9	78.0	117.0#
121	1.0	23.8	35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.682 ug/l

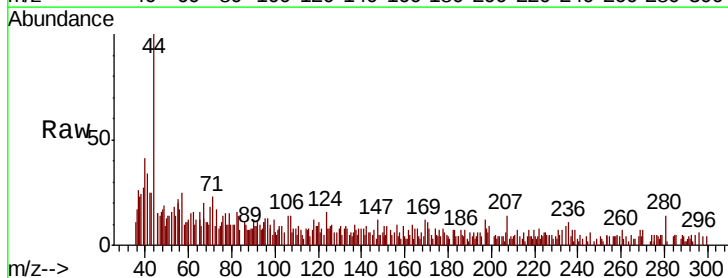
RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

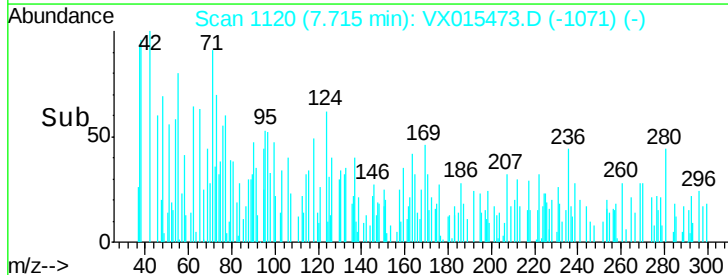
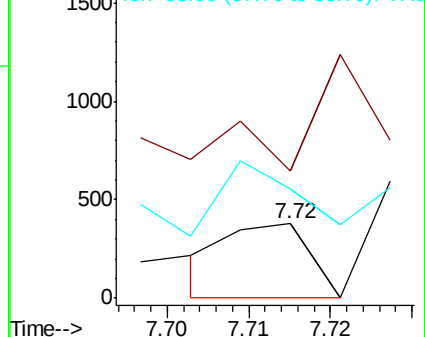
Tgt Ion:	88	Resp:	265
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	94.0	60.6	90.8#

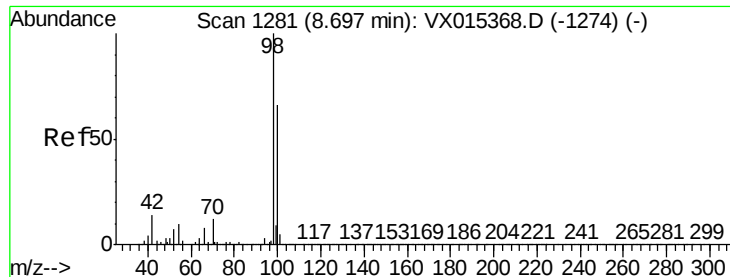


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

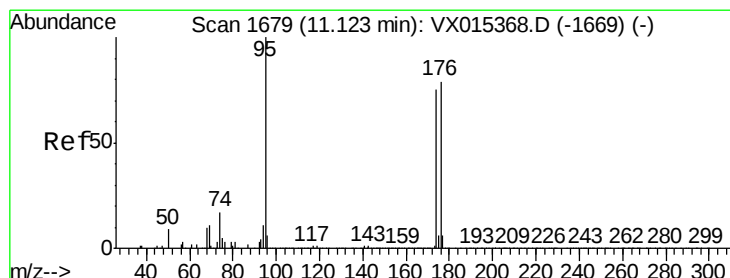
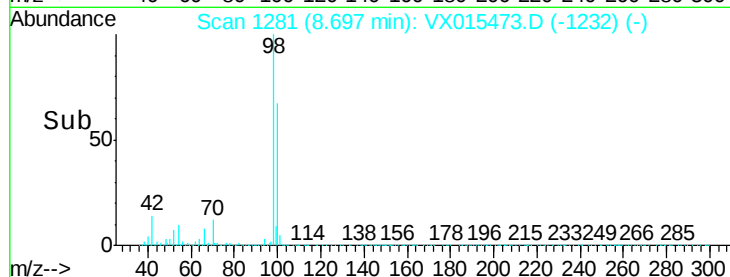
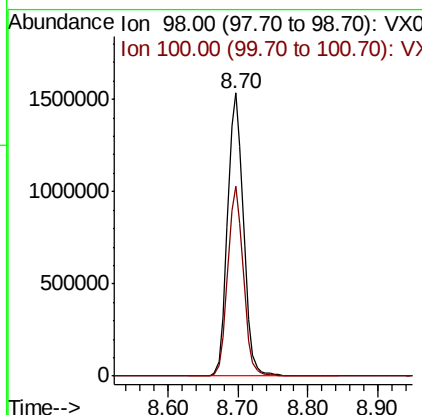
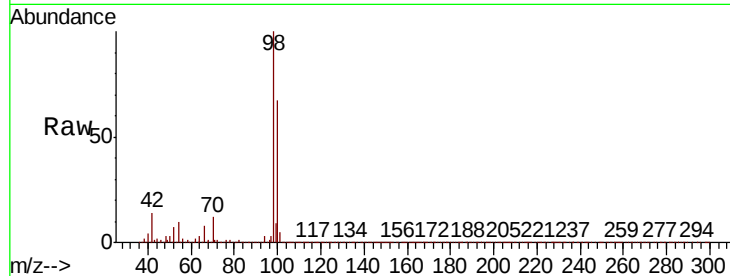




#50
Toluene-d8
Concen: 50.221 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

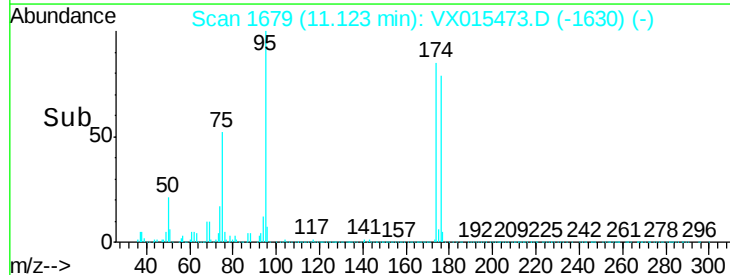
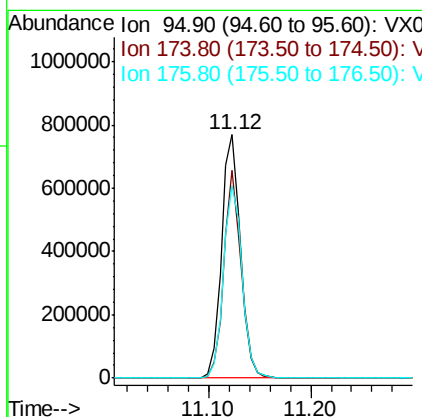
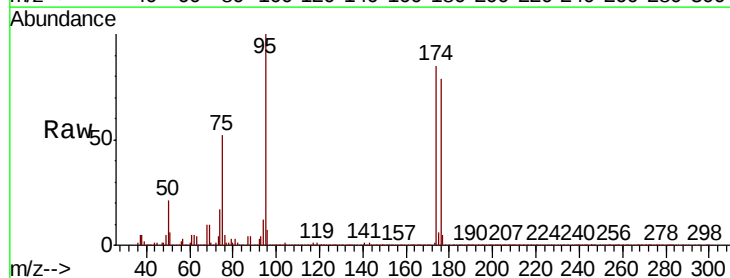
Instrument :
MSVOA_X
ClientSampleId :

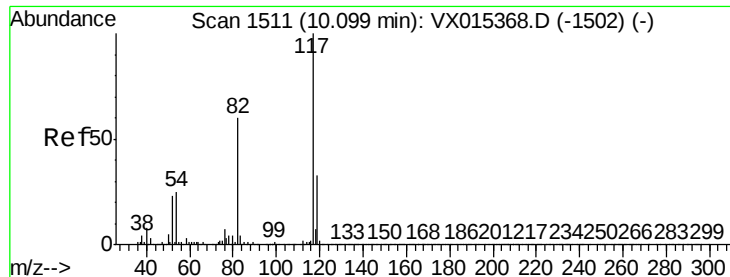
Tot Ion: 98 Resp: 2434696
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.428 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

Tgt Ion: 95 Resp: 993544
Ion Ratio Lower Upper
95 100
174 78.0 0.0 158.6
176 78.2 0.0 159.0

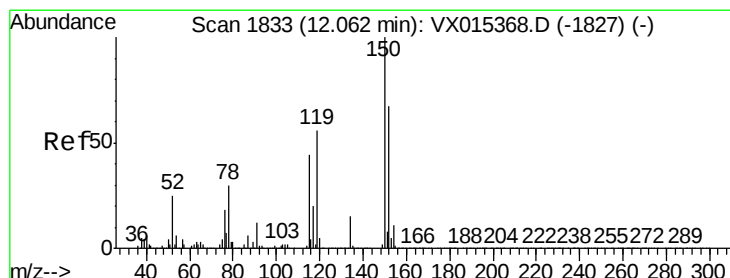
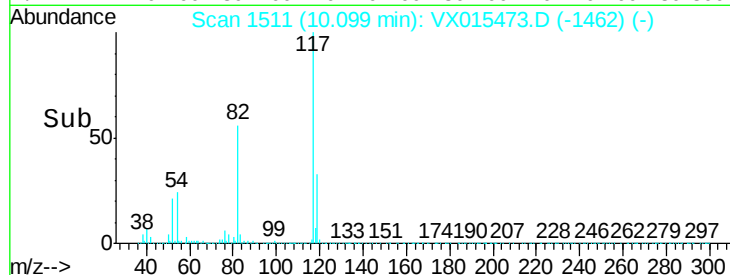
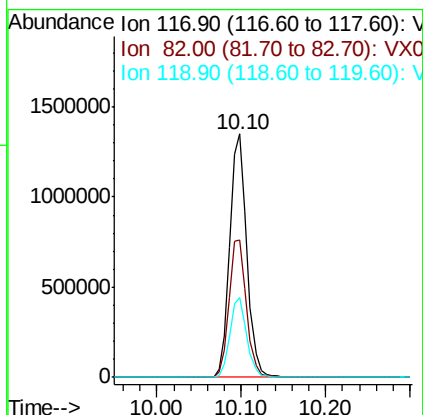
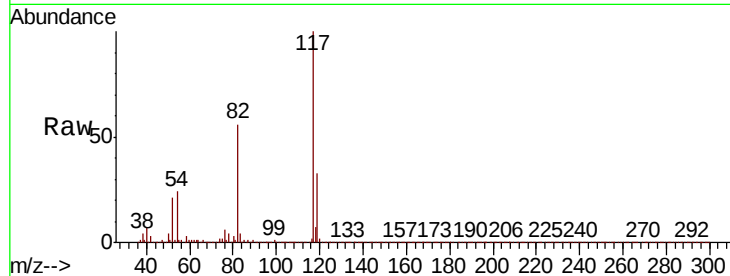




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

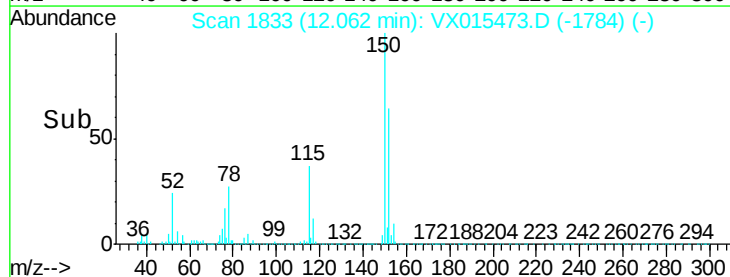
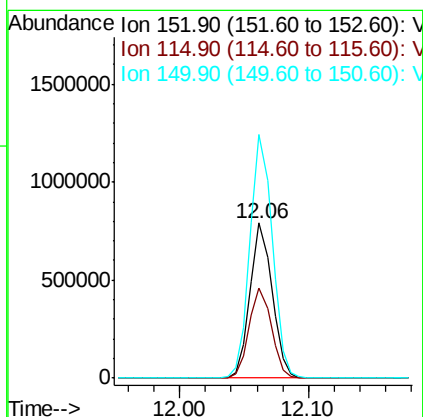
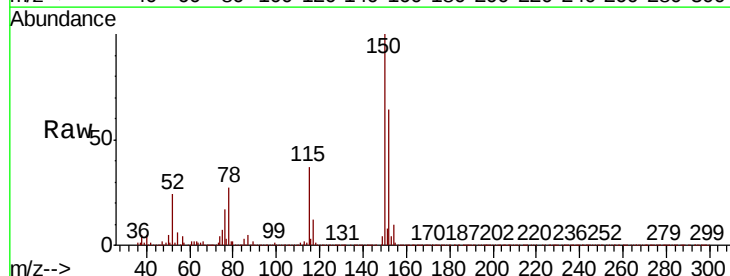
Instrument :
MSVOA_X
ClientSampleId :

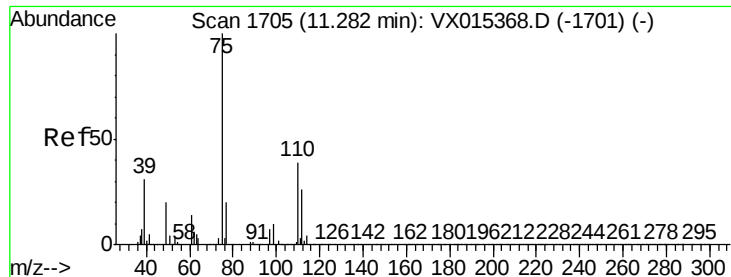
Tot Ion:117 Resp: 1872084
Ion Ratio Lower Upper
117 100
82 56.2 47.8 71.8
119 32.6 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015473.D
Acq: 02 Apr 2020 11:41

Tgt Ion:152 Resp: 929030
Ion Ratio Lower Upper
152 100
115 59.2 39.0 116.9
150 159.0 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 26.900 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Instrument :

MSVOA_X

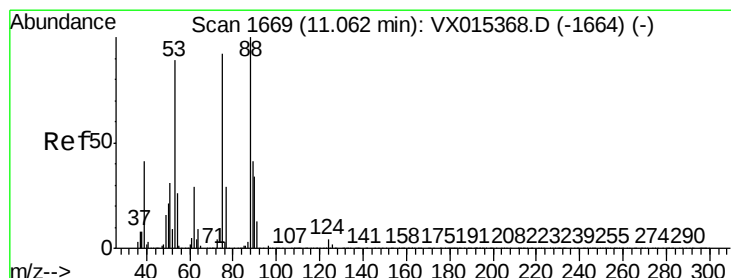
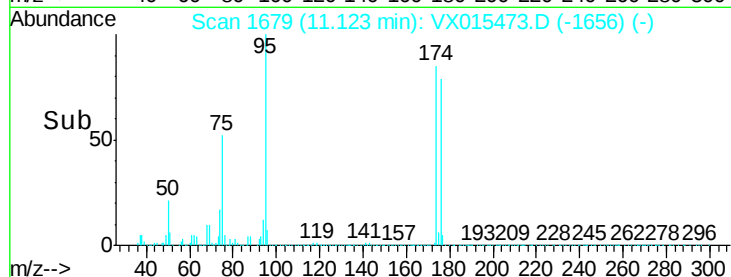
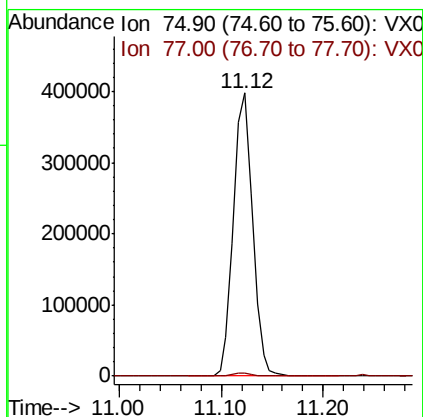
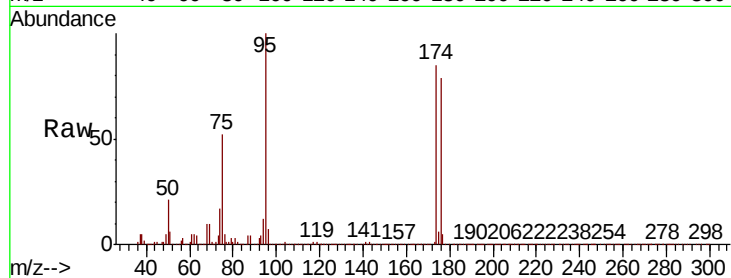
ClientSampleId :

Tot Ion: 75 Resp: 513911

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.544 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015473.D

Acq: 02 Apr 2020 11:41

Tgt Ion: 75 Resp: 513911

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#

