

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015467.D
 Acq On : 01 Apr 2020 15:35
 Operator : JC/SP
 Sample : L2097-17
 Misc : 1.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 09:06:52 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	5.62	168	1100802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1779373	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	1665220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	903963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	718125	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	5.47	113	541054	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.70	98	2116129	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	910549	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

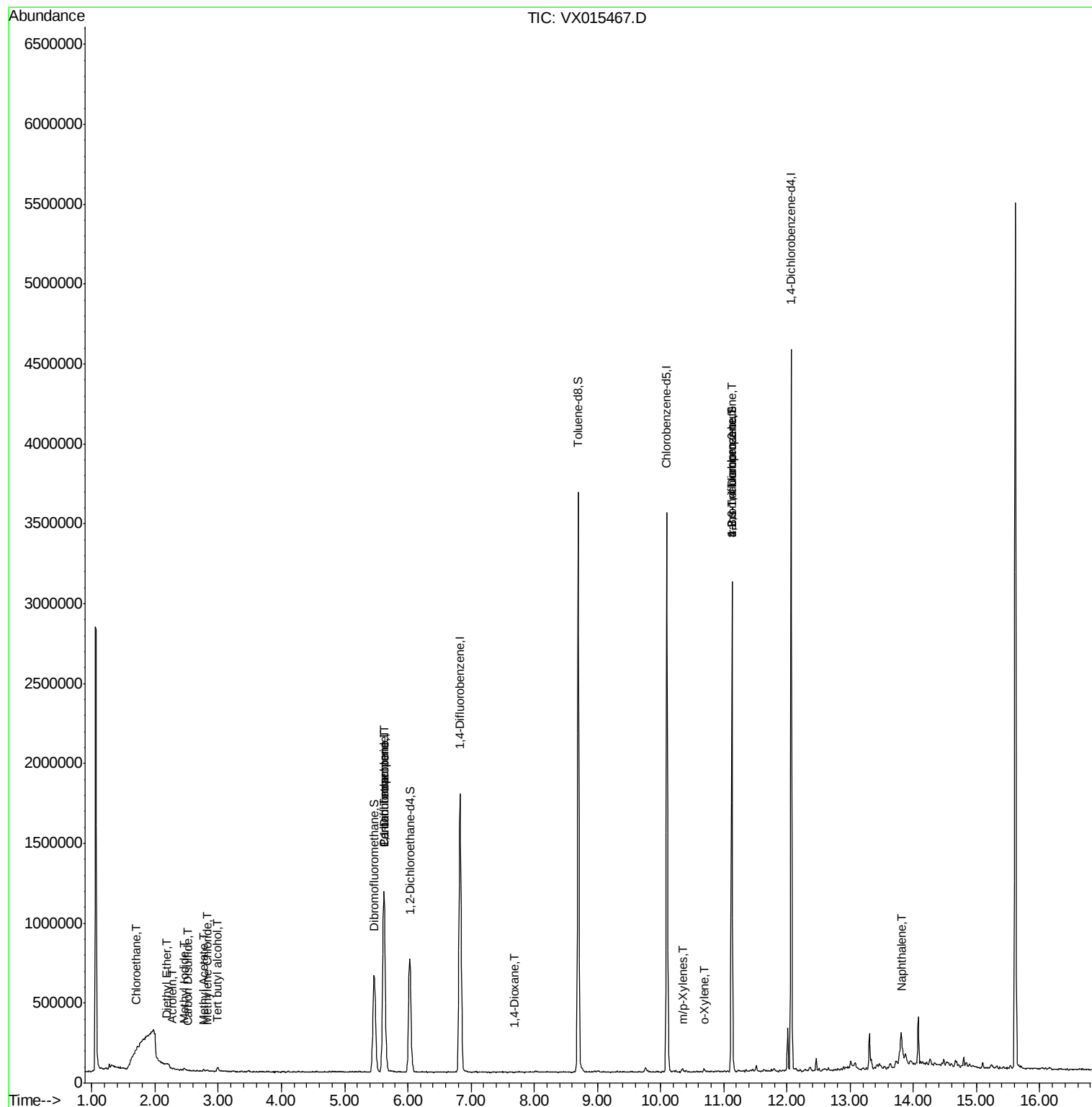
					Qvalue	
5) Bromomethane	1.64	94	4592	Below Cal		88
6) Chloroethane	1.70	64	1841	0.262	ug/l	96
8) Diethyl Ether	2.19	74	1371	0.214	ug/l	53
10) Methyl Iodide	2.47	142	12248	0.916	ug/l #	97
11) Tert butyl alcohol	2.99	59	16066	4.323	ug/l #	83
13) Acrolein	2.27	56	453	0.214	ug/l #	14
17) Carbon Disulfide	2.51	76	6389	0.202	ug/l #	78
18) Methyl Acetate	2.76	43	13066	0.767	ug/l #	79
20) Methylene Chloride	2.82	84	5059	0.406	ug/l #	72
36) 1,1-Dichloropropene	5.62	75	87981	5.366	ug/l #	46
38) Carbon Tetrachloride	5.62	117	105132	5.920	ug/l #	15
49) 1,4-Dioxane	7.67	88	150	0.447	ug/l #	1
68) m/p-Xylenes	10.35	106	6745	0.308	ug/l	90
69) o-Xylene	10.68	106	5192	0.240	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	459072	24.696	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	458844	59.226	ug/l #	10
95) Naphthalene	13.82	128	19535	0.293	ug/l #	88

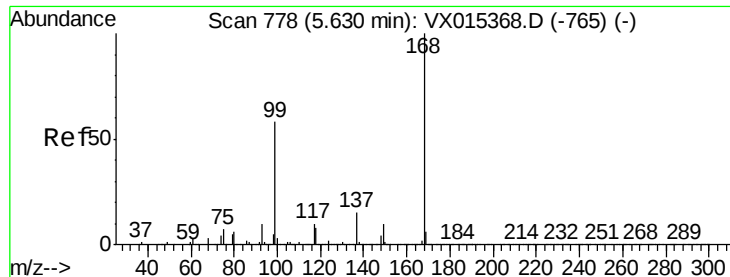
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040120\
Data File : VX015467.D
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Operator : JC/SP
Sample : L2097-17
Misc : 1.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 02 09:06:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
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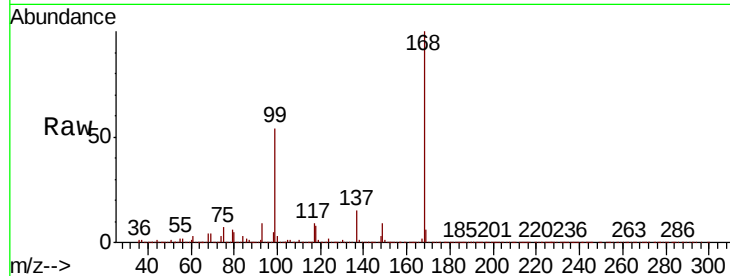


#1

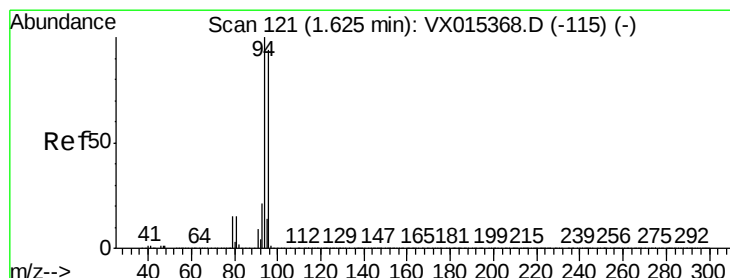
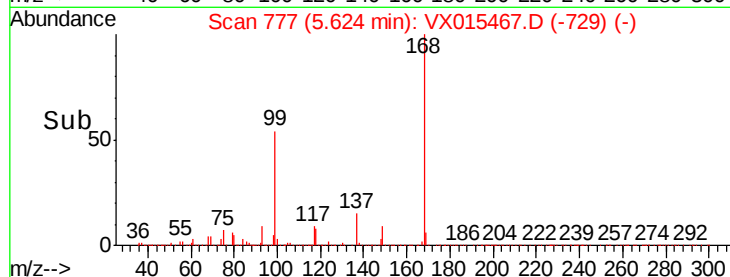
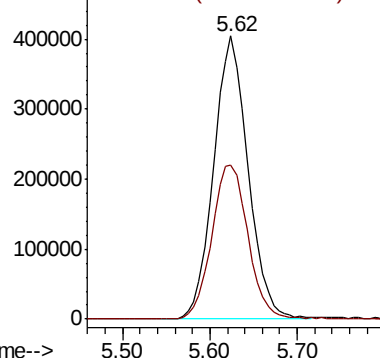
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: VX015467.D
 Acq: 01 Apr 2020 15:35

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:168 Resp: 1100802
 Ion Ratio Lower Upper
 168 100
 99 54.3 46.4 69.6



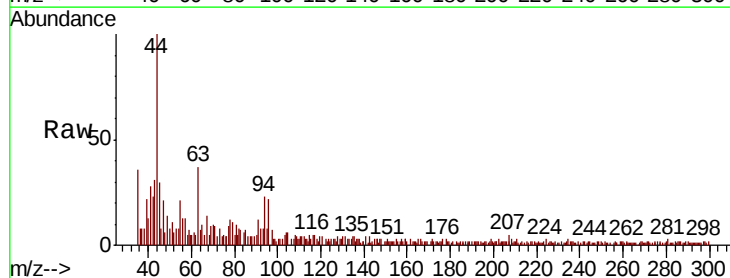
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



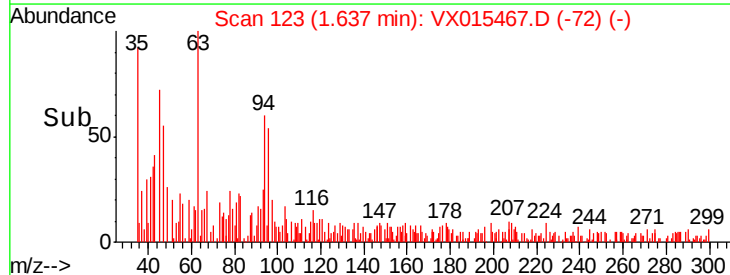
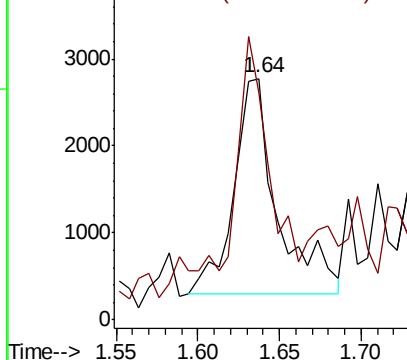
#5

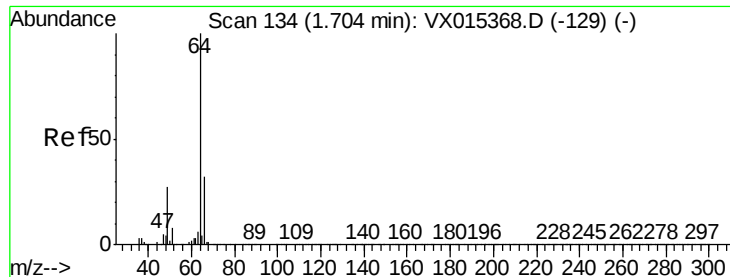
Bromomethane
 Concen: Below Cal
 RT: 1.64 min Scan# 123
 Delta R.T. 0.01 min
 Lab File: VX015467.D
 Acq: 01 Apr 2020 15:35

Tgt Ion: 94 Resp: 4592
 Ion Ratio Lower Upper
 94 100
 96 82.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0
 Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

Instrument :

MSVOA_X

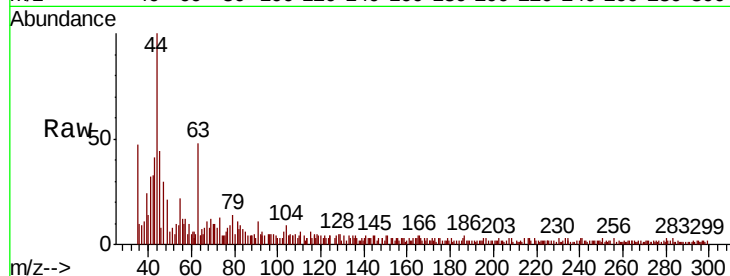
ClientSampled :

Tot Ion: 64 Resp: 1841

Ion Ratio Lower Upper

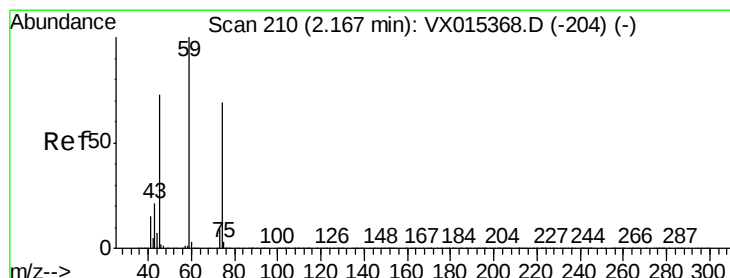
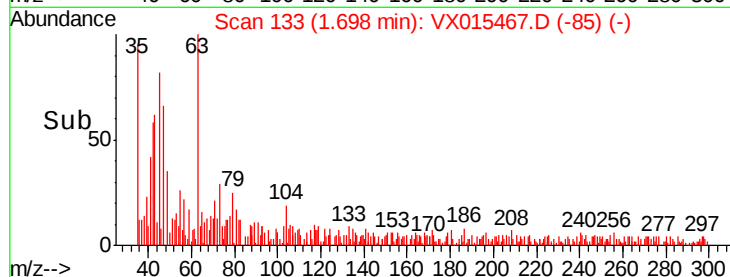
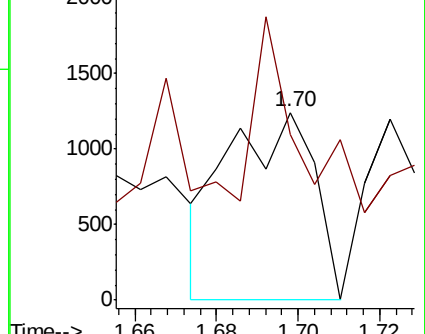
64 100

66 29.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.214 ug/l

RT: 2.19 min Scan# 214

Delta R.T. 0.02 min

Lab File: VX015467.D

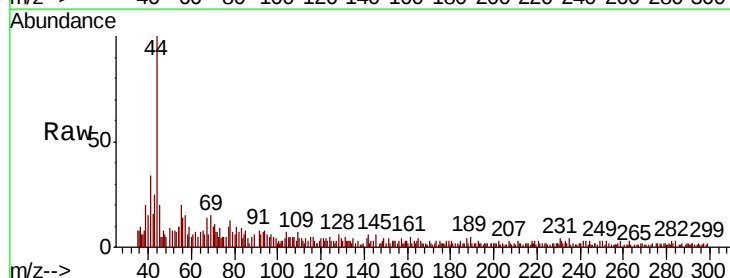
Acq: 01 Apr 2020 15:35

Tgt Ion: 74 Resp: 1371

Ion Ratio Lower Upper

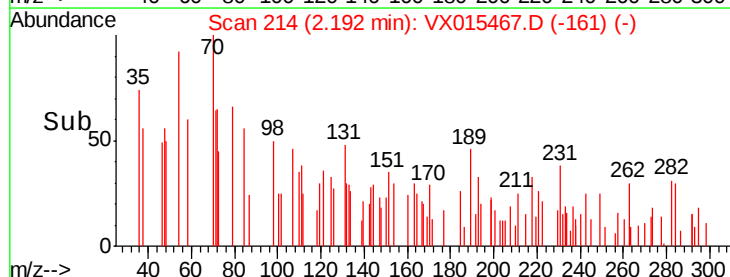
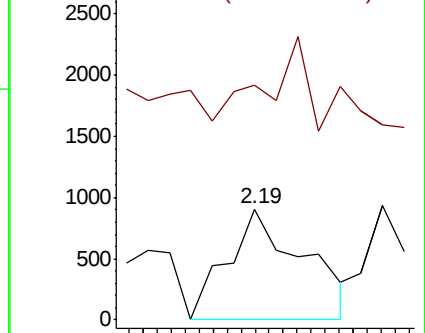
74 100

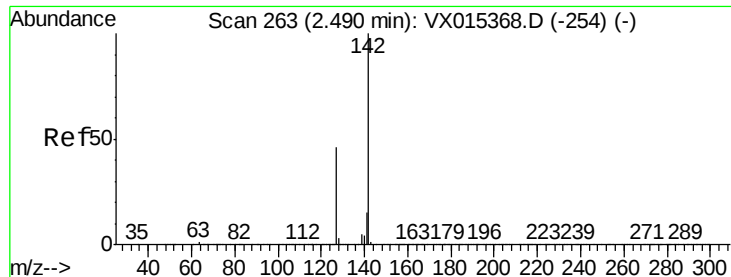
45 58.9 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

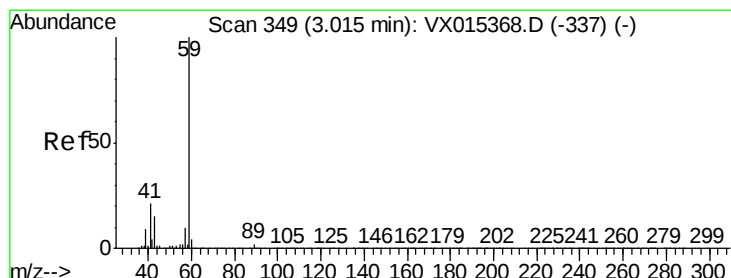
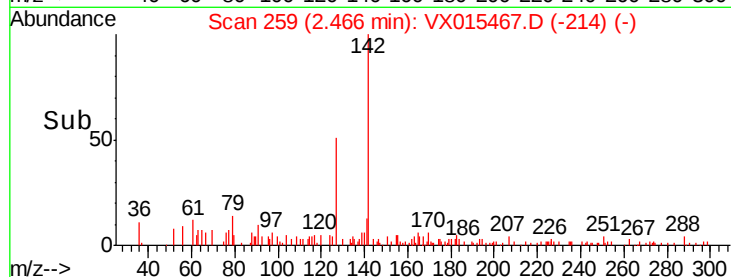
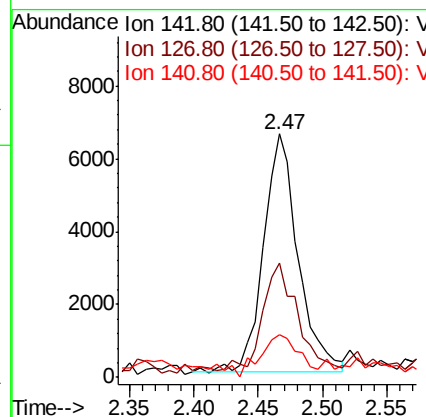
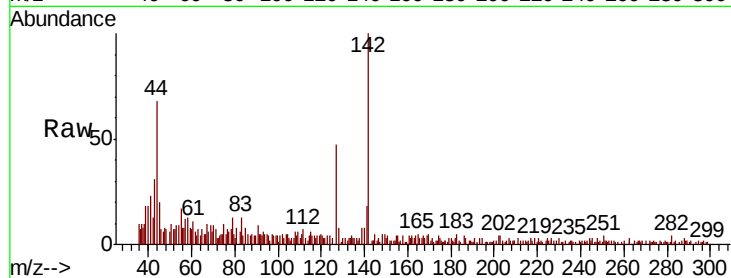




#10
Methvl Iodide
Concen: 0.916 ug/l
RT: 2.47 min Scan# 259
Delta R.T. -0.02 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

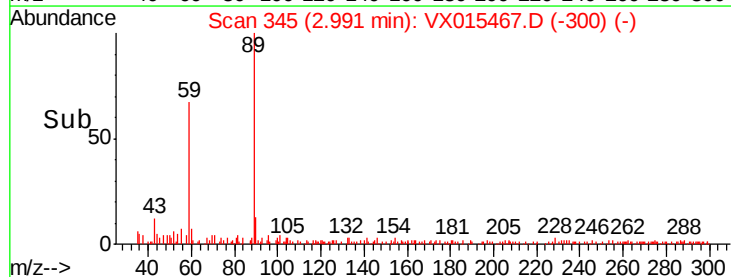
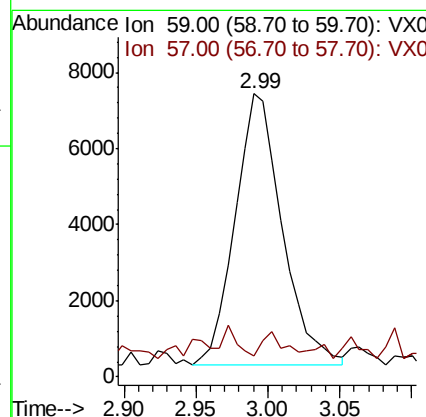
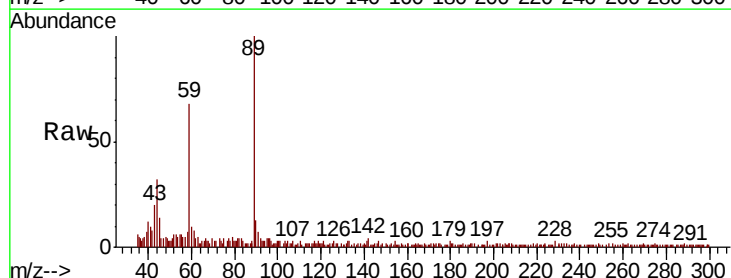
Instrument :
MSVOA_X
ClientSampleId :

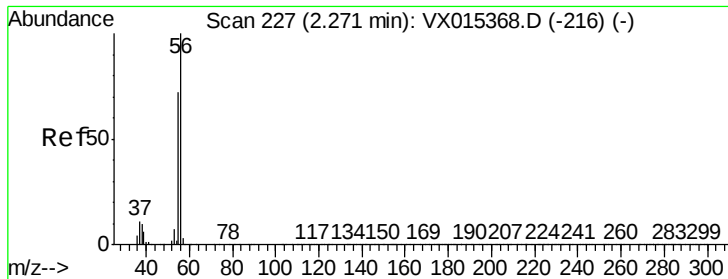
Tot Ion:142 Resp: 12248
Ion Ratio Lower Upper
142 100
127 44.9 35.9 53.9
141 20.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 4.323 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion: 59 Resp: 16066
Ion Ratio Lower Upper
59 100
57 3.8 8.1 12.1#

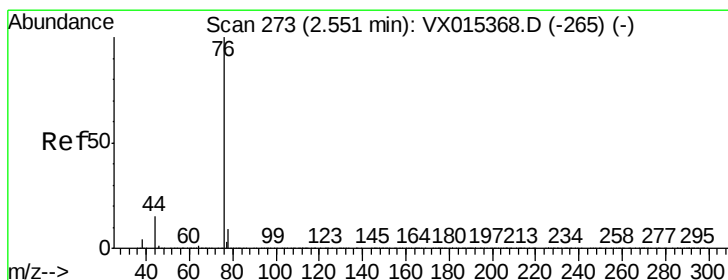
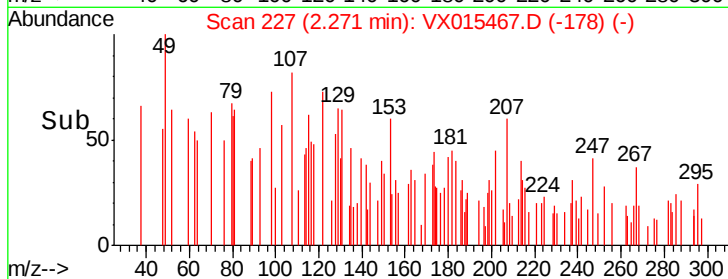
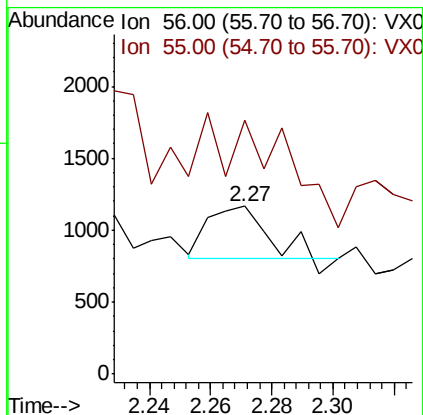
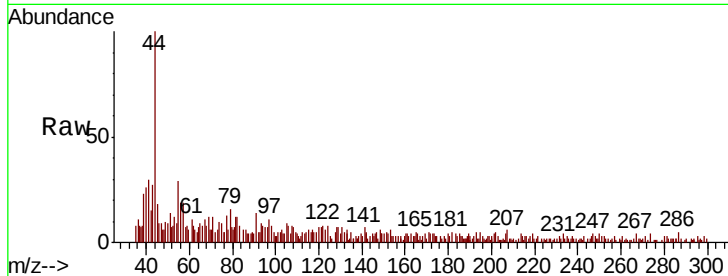




#13
Acrolein
Concen: 0.214 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

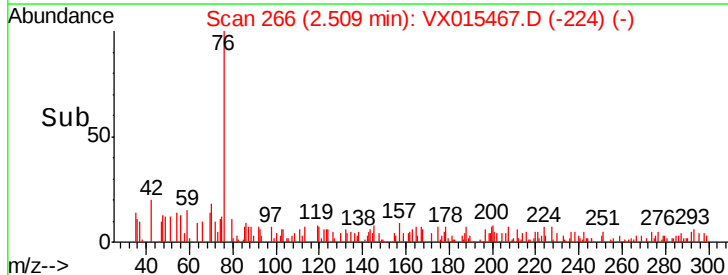
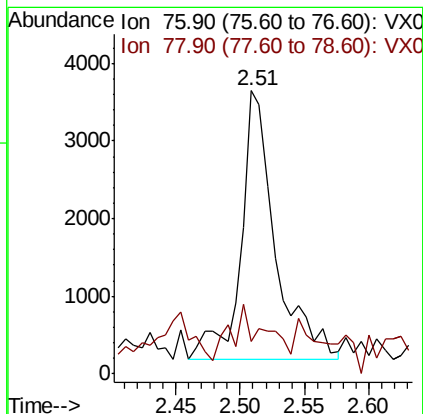
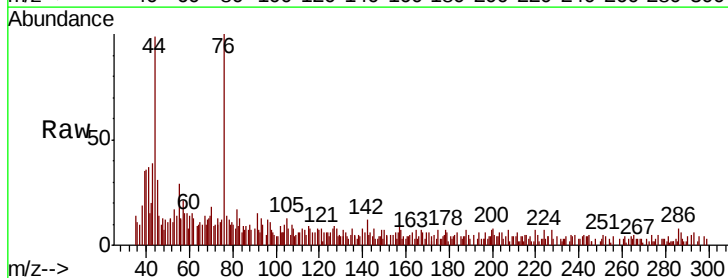
Instrument :
MSVOA_X
ClientSampled :

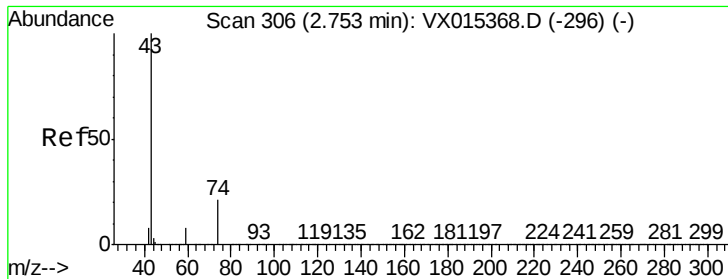
Tot Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.51 min Scan# 266
Delta R.T. -0.04 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion: 76 Resp: 6389
Ion Ratio Lower Upper
76 100
78 1.1 7.1 10.7#

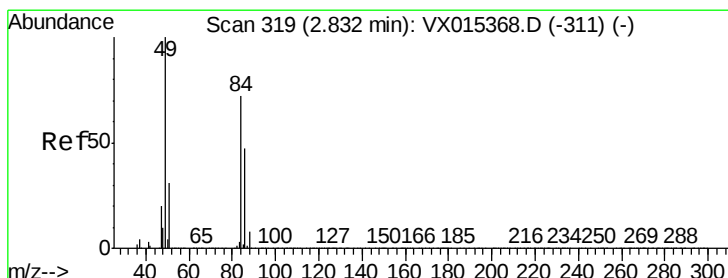
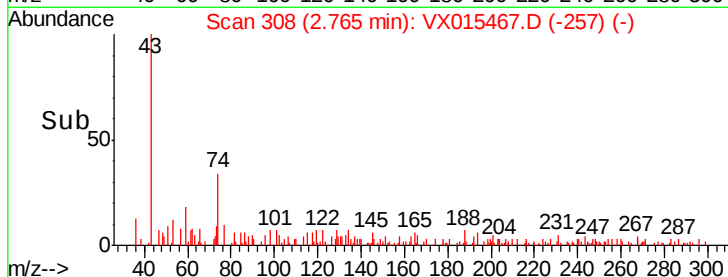
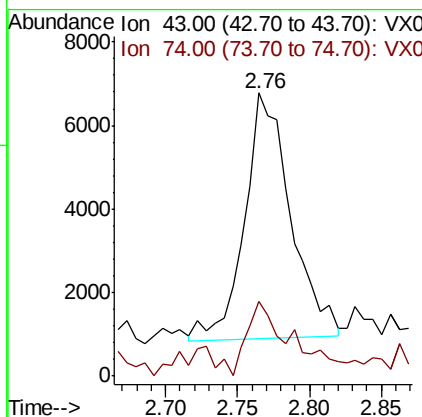
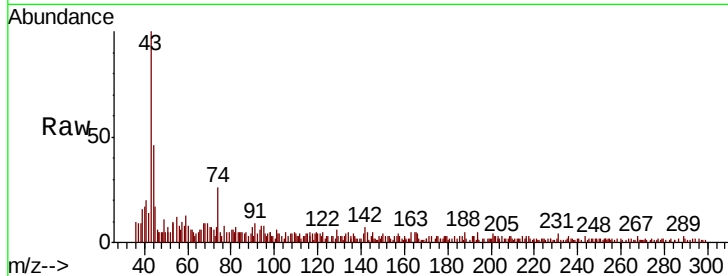




#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

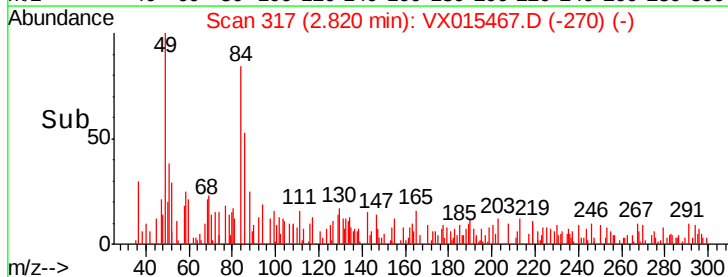
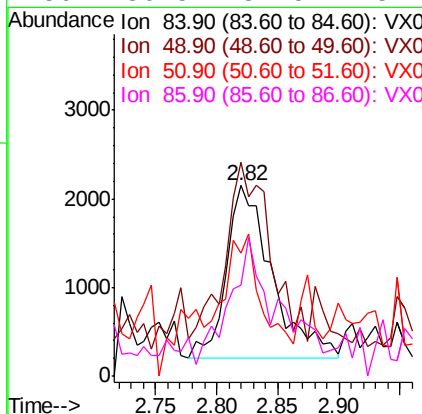
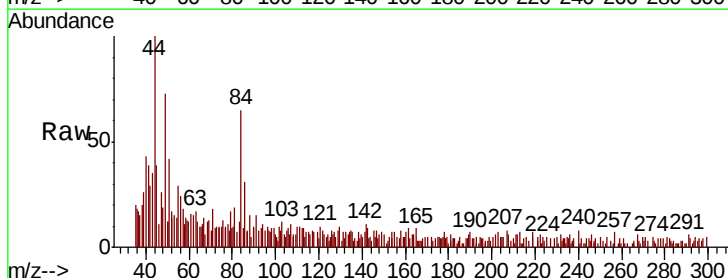
Instrument :
MSVOA_X
ClientSampleId :

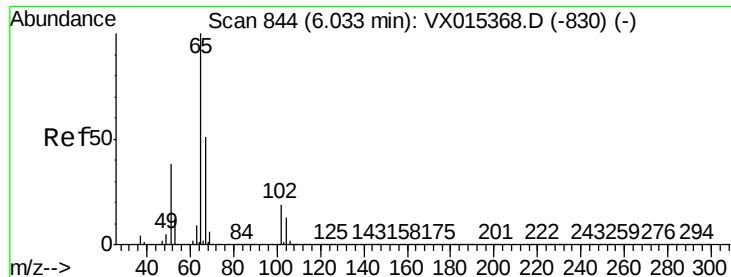
Tot Ion: 43 Resp: 13066
Ion Ratio Lower Upper
43 100
74 30.3 16.5 24.7#



#20
Methylene Chloride
Concen: 0.406 ug/l
RT: 2.82 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion: 84 Resp: 5059
Ion Ratio Lower Upper
84 100
49 102.3 111.3 166.9#
51 37.5 34.0 51.0
86 36.5 52.5 78.7#





#33

1,2-Dichloroethane-d4

Concen: 46.254 ug/l

RT: 6.03 min Scan# 843

Delta R.T. -0.01 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

Instrument :

MSVOA_X

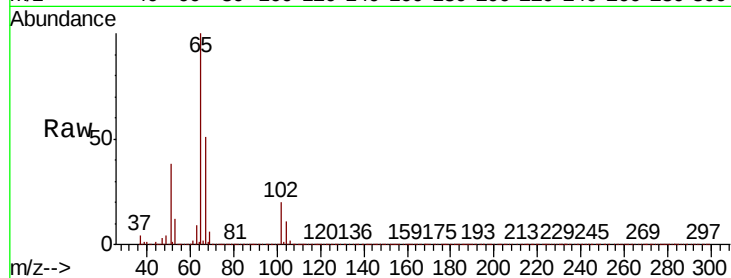
ClientSampleId :

Tot Ion: 65 Resp: 718125

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

250000

200000

150000

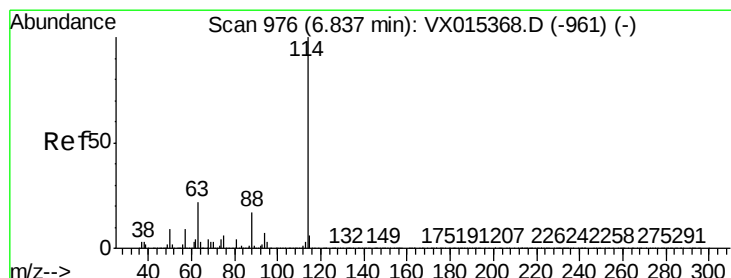
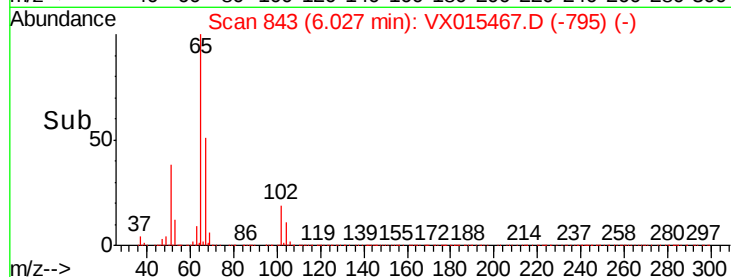
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 974

Delta R.T. -0.01 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

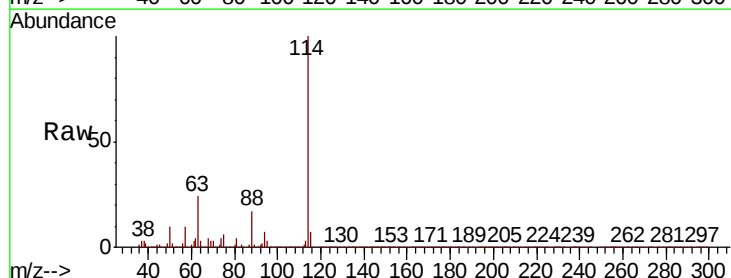
Tgt Ion: 114 Resp: 1779373

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.2

88 16.9 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

1000000

800000

600000

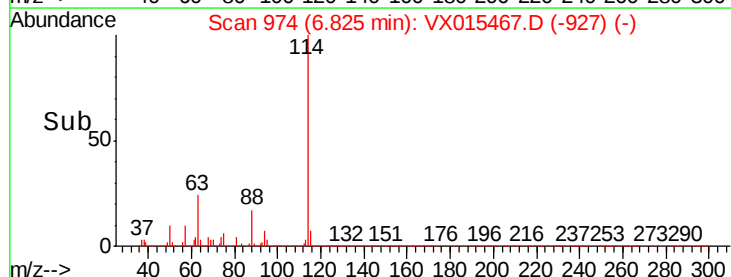
400000

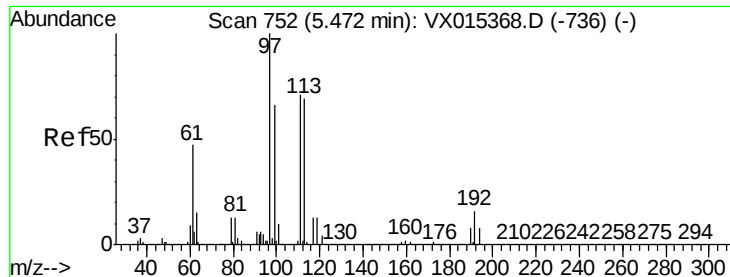
200000

0

Time-->

6.70 6.80 6.90 7.00

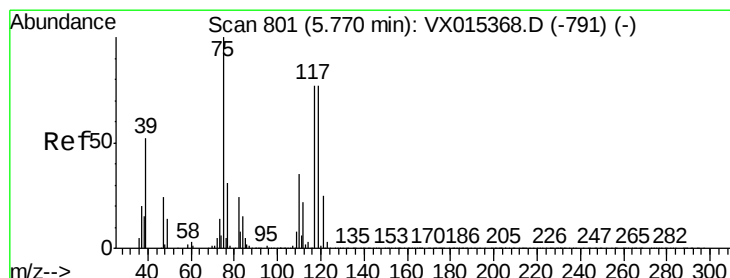
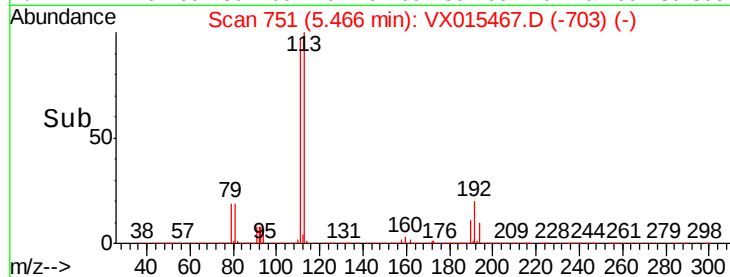
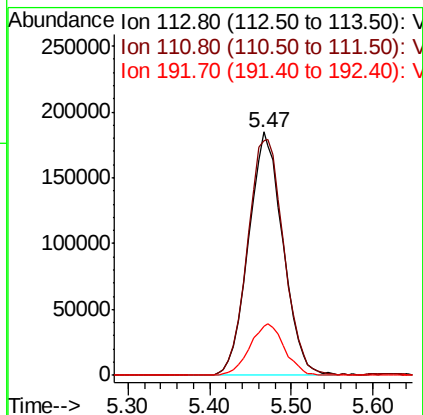
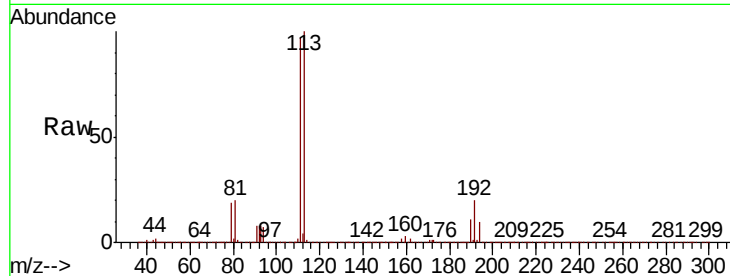




#35
 Dibromofluoromethane
 Concen: 47.568 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015467.D
 Acq: 01 Apr 2020 15:35

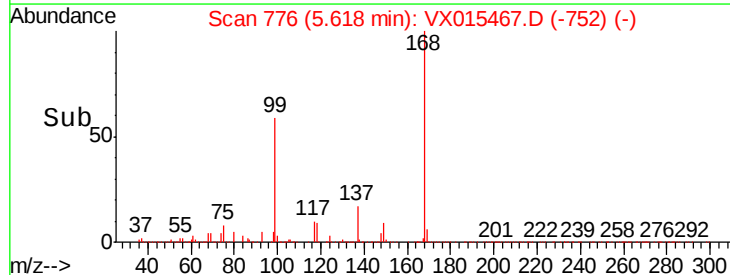
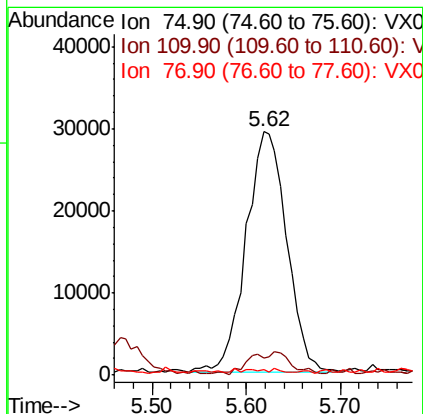
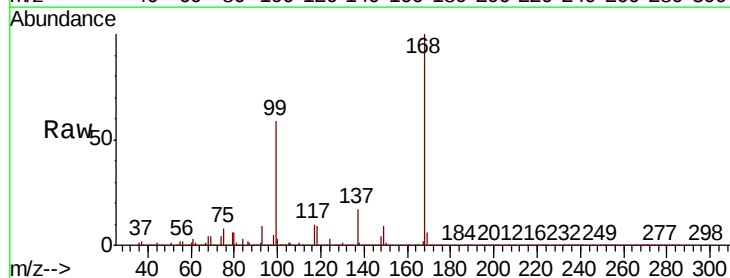
Instrument :
 MSVOA_X
 ClientSampleId :

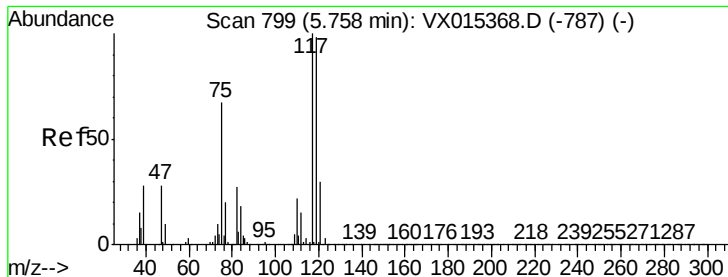
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	21.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.366 ug/l
 RT: 5.62 min Scan# 776
 Delta R.T. -0.15 min
 Lab File: VX015467.D
 Acq: 01 Apr 2020 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 5.62 min Scan# 777

Delta R.T. -0.13 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

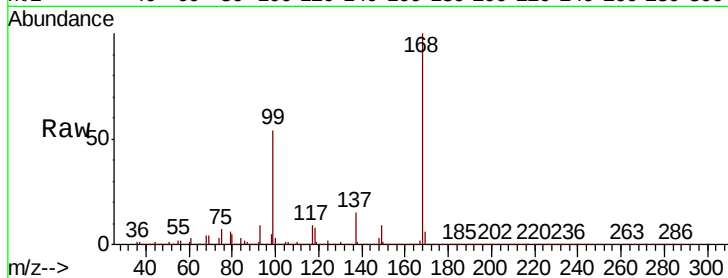
Tot Ion:117 Resp: 105132

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

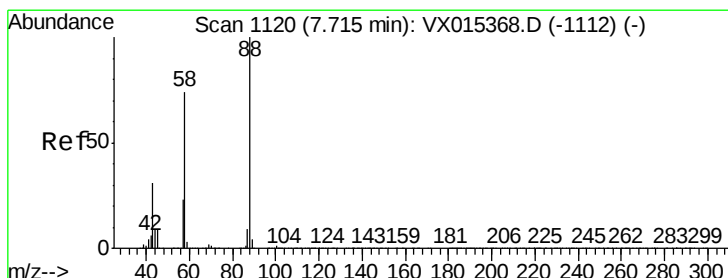
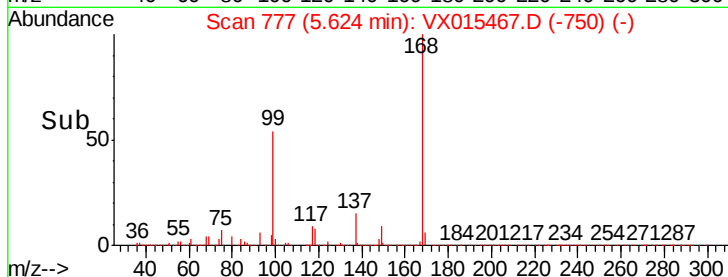
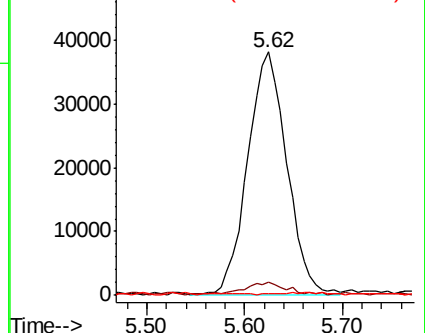
121 0.0 23.8 35.8#



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: 0.447 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.04 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

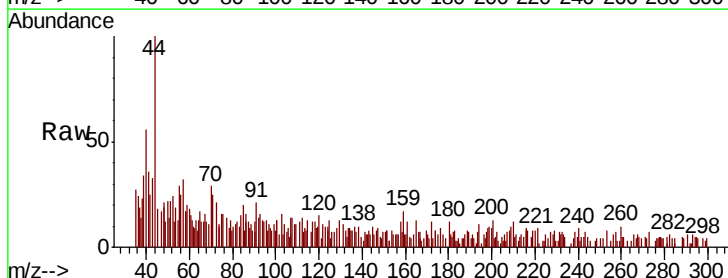
Tgt Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

43 256.7 30.1 45.1#

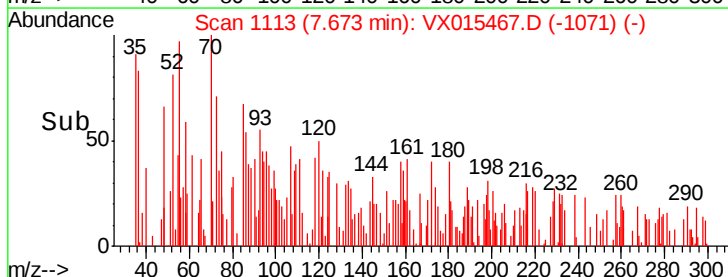
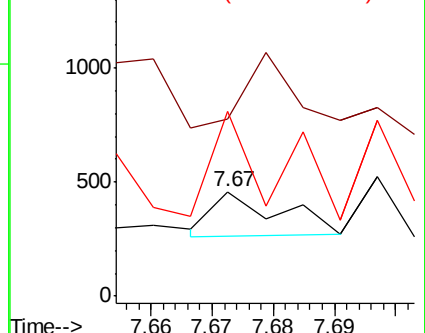
58 123.3 60.6 90.8#

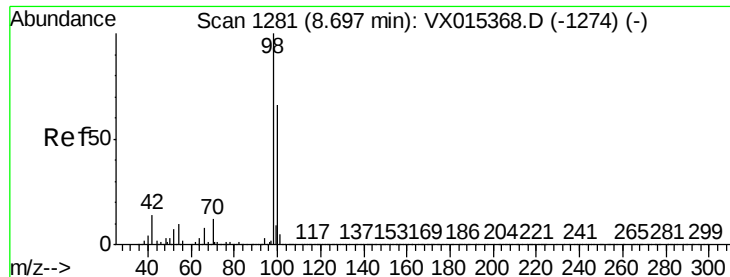


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

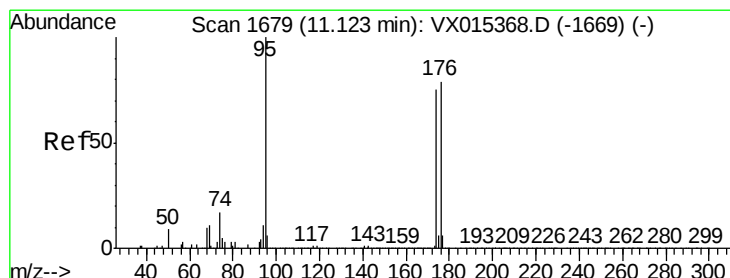
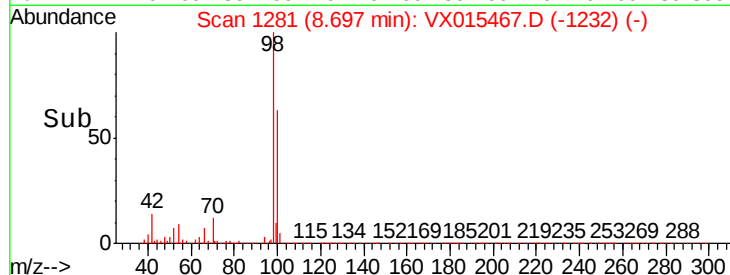
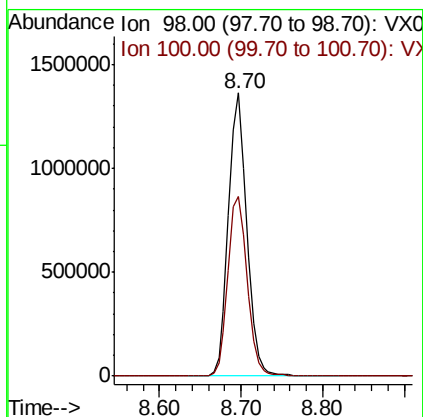
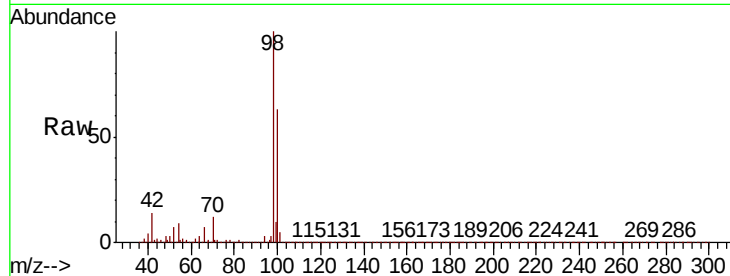




#50
Toluene-d8
Concen: 50.532 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

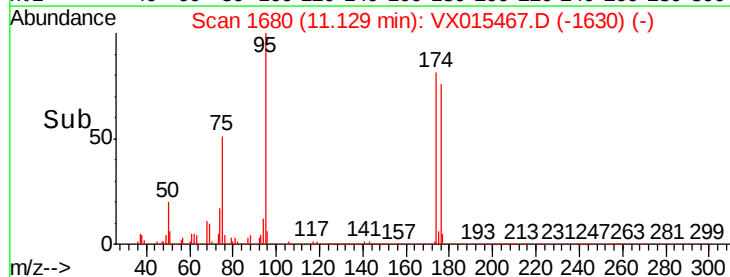
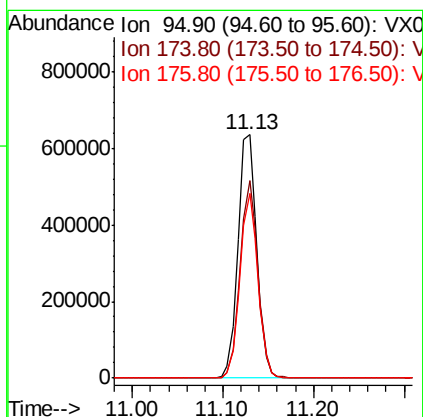
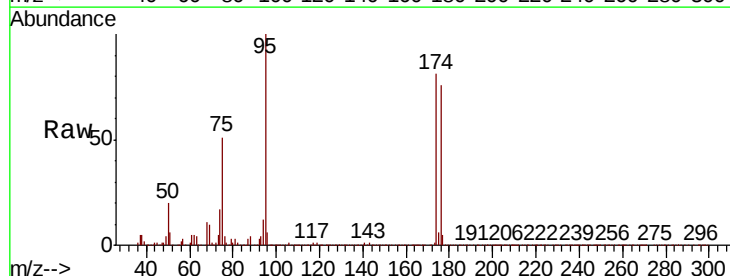
Instrument :
MSVOA_X
ClientSampleId :

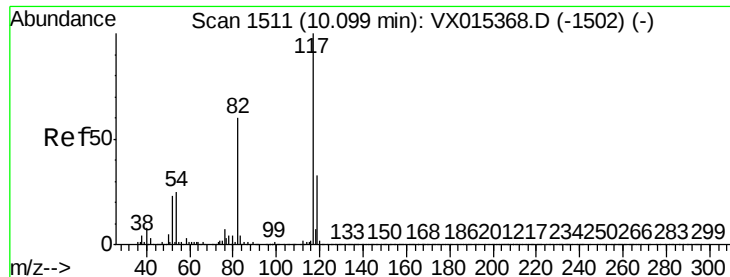
Tot Ion: 98 Resp: 2116129
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 53.502 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion: 95 Resp: 910549
Ion Ratio Lower Upper
95 100
174 77.5 0.0 158.6
176 72.7 0.0 159.0

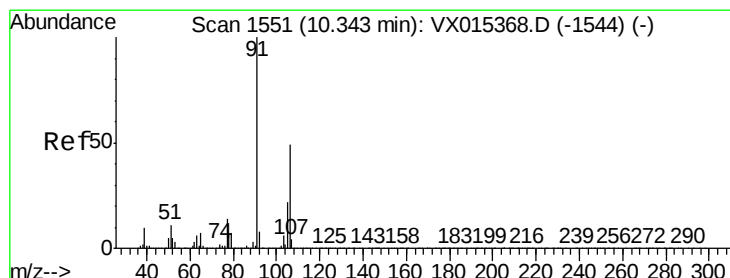
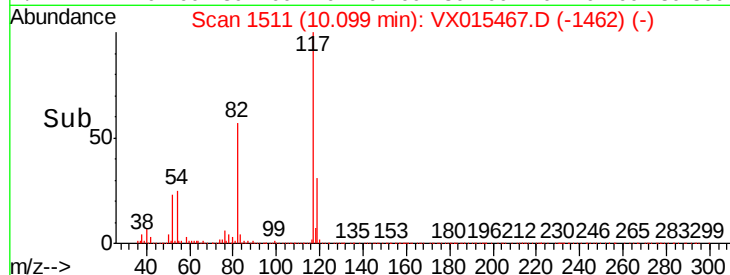
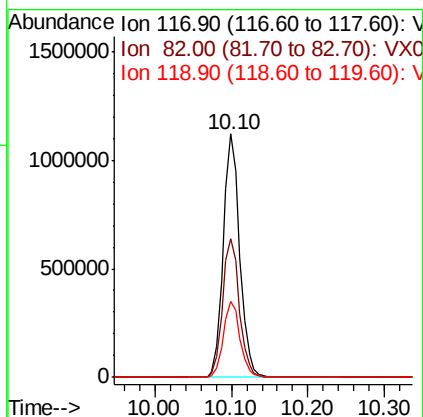
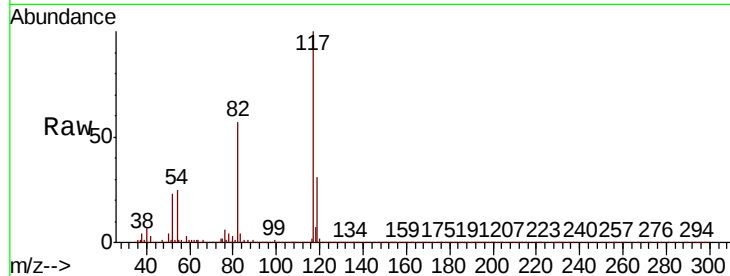




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

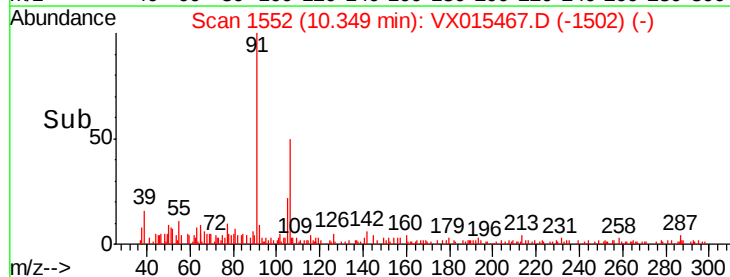
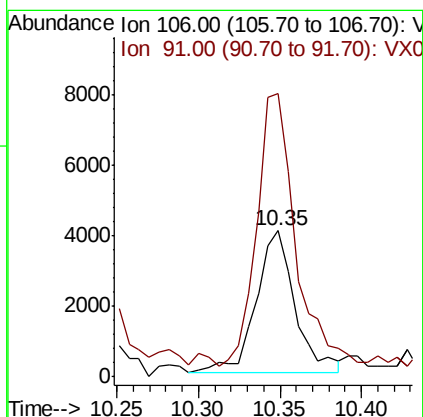
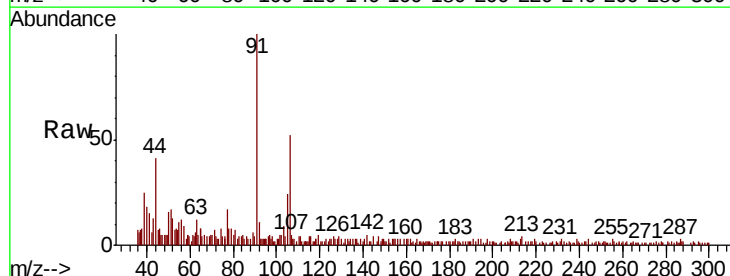
Instrument :
MSVOA_X
ClientSampleId :

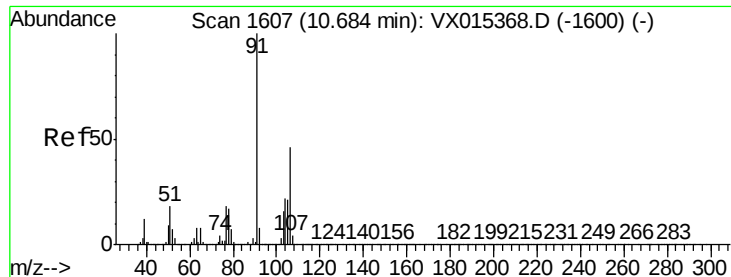
Tot Ion:117 Resp: 1665220
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.8
119 31.1 26.8 40.2



#68
m/p-Xylenes
Concen: 0.308 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion:106 Resp: 6745
Ion Ratio Lower Upper
106 100
91 188.4 163.4 245.0

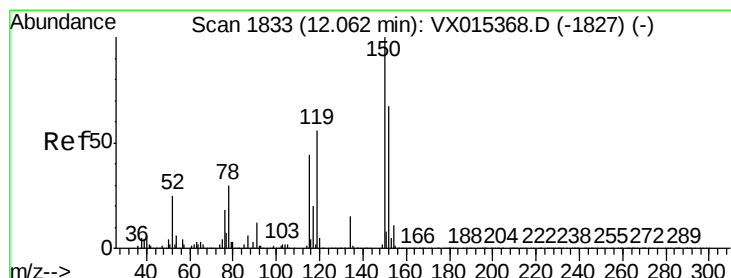
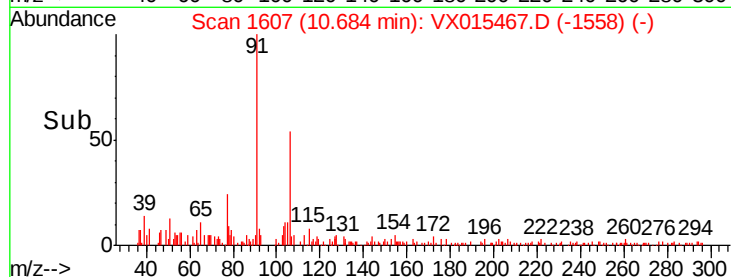
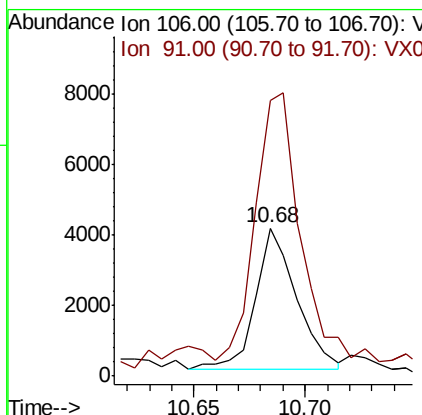
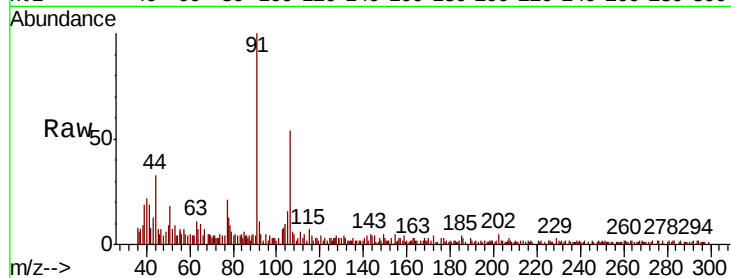




#69
o-Xylene
Concen: 0.240 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

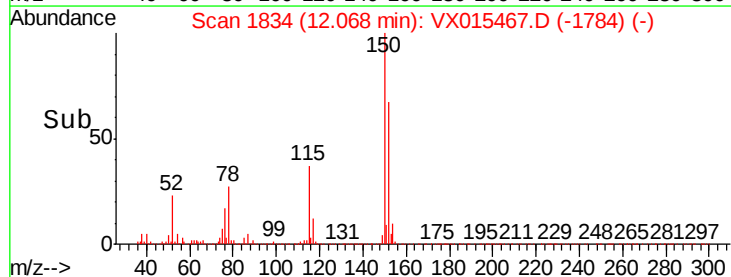
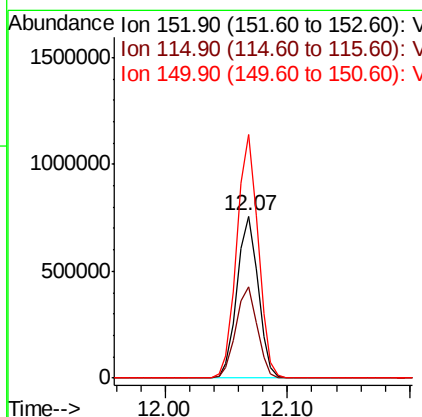
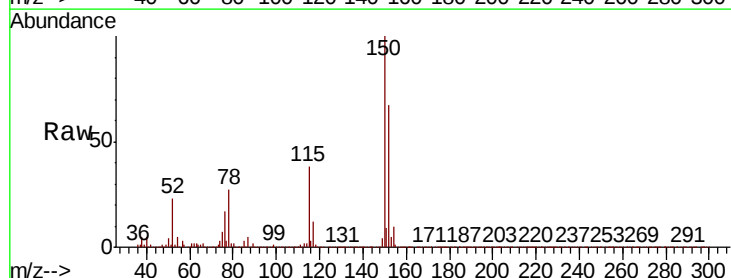
Instrument :
MSVOA_X
ClientSampleId :

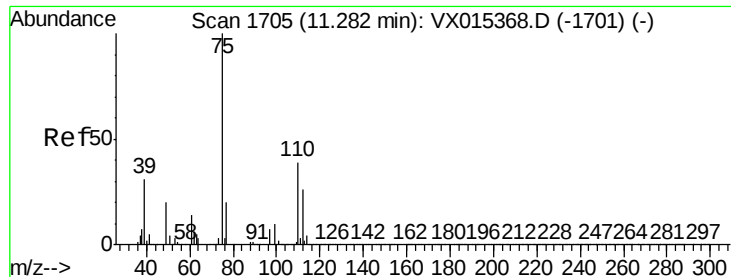
Tot Ion:106 Resp: 5192
Ion Ratio Lower Upper
106 100
91 214.7 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Tgt Ion:152 Resp: 903963
Ion Ratio Lower Upper
152 100
115 57.0 39.0 116.9
150 151.0 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.696 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.15 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

Instrument :

MSVOA_X

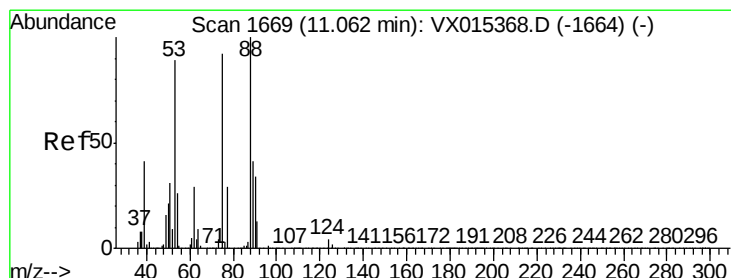
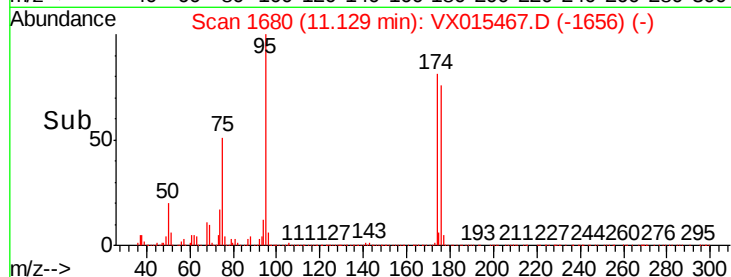
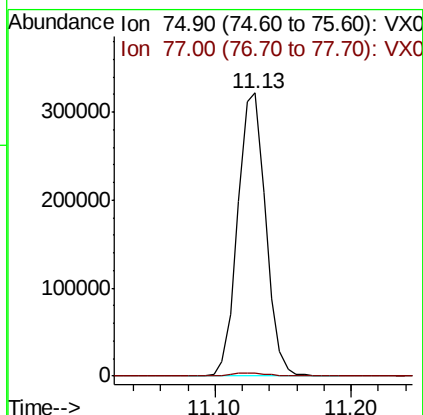
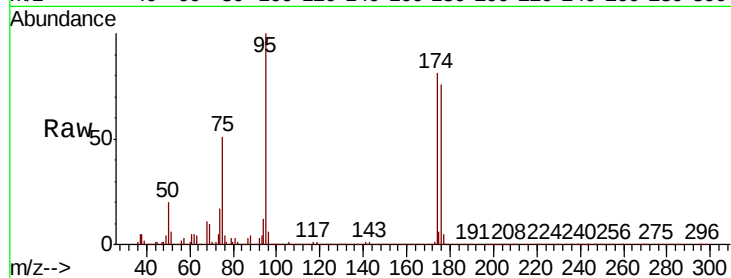
ClientSampleId :

Tot Ion: 75 Resp: 459072

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.226 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.07 min

Lab File: VX015467.D

Acq: 01 Apr 2020 15:35

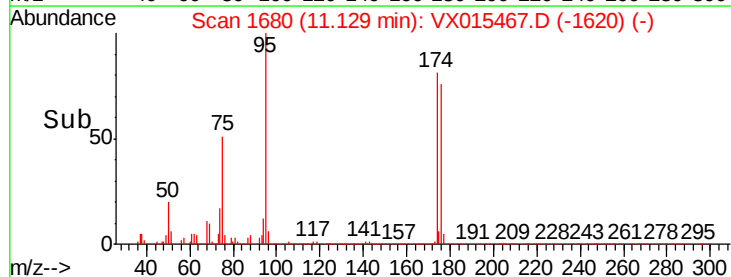
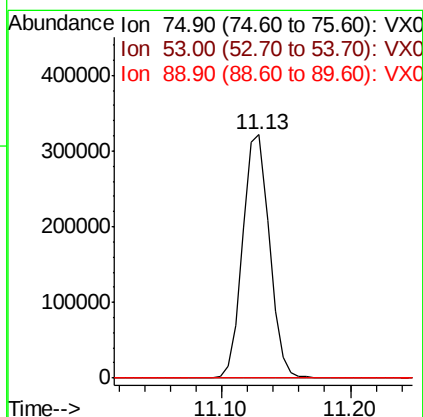
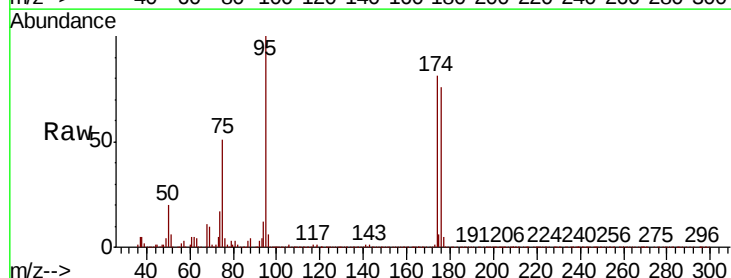
Tgt Ion: 75 Resp: 458844

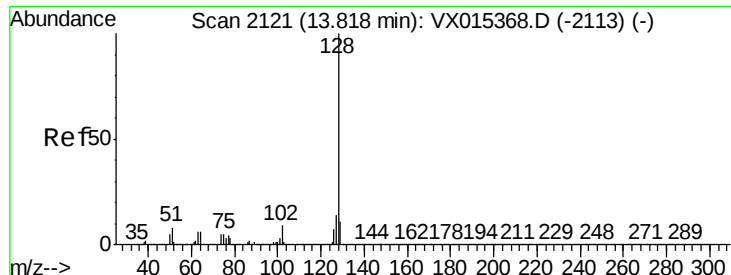
Ion Ratio Lower Upper

75 100

53 0.5 80.1 120.1#

89 0.2 36.1 54.1#





#95
Naphthalene
Concen: 0.293 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015467.D
Acq: 01 Apr 2020 15:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.9	10.6	15.8#
129	14.1	8.8	13.2#

