

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\
 Data File : VX015758.D
 Acq On : 20 Apr 2020 12:13
 Operator : JC/SP
 Sample : VX0420MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 15:01:02 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	1094670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1676430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1578225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	816783	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	630033	40.81	ug/l	0.00
Spiked Amount			Recovery	=	81.62%	
35) Dibromofluoromethane	5.47	113	511093	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	8.70	98	1967453	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.12	95	804144	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

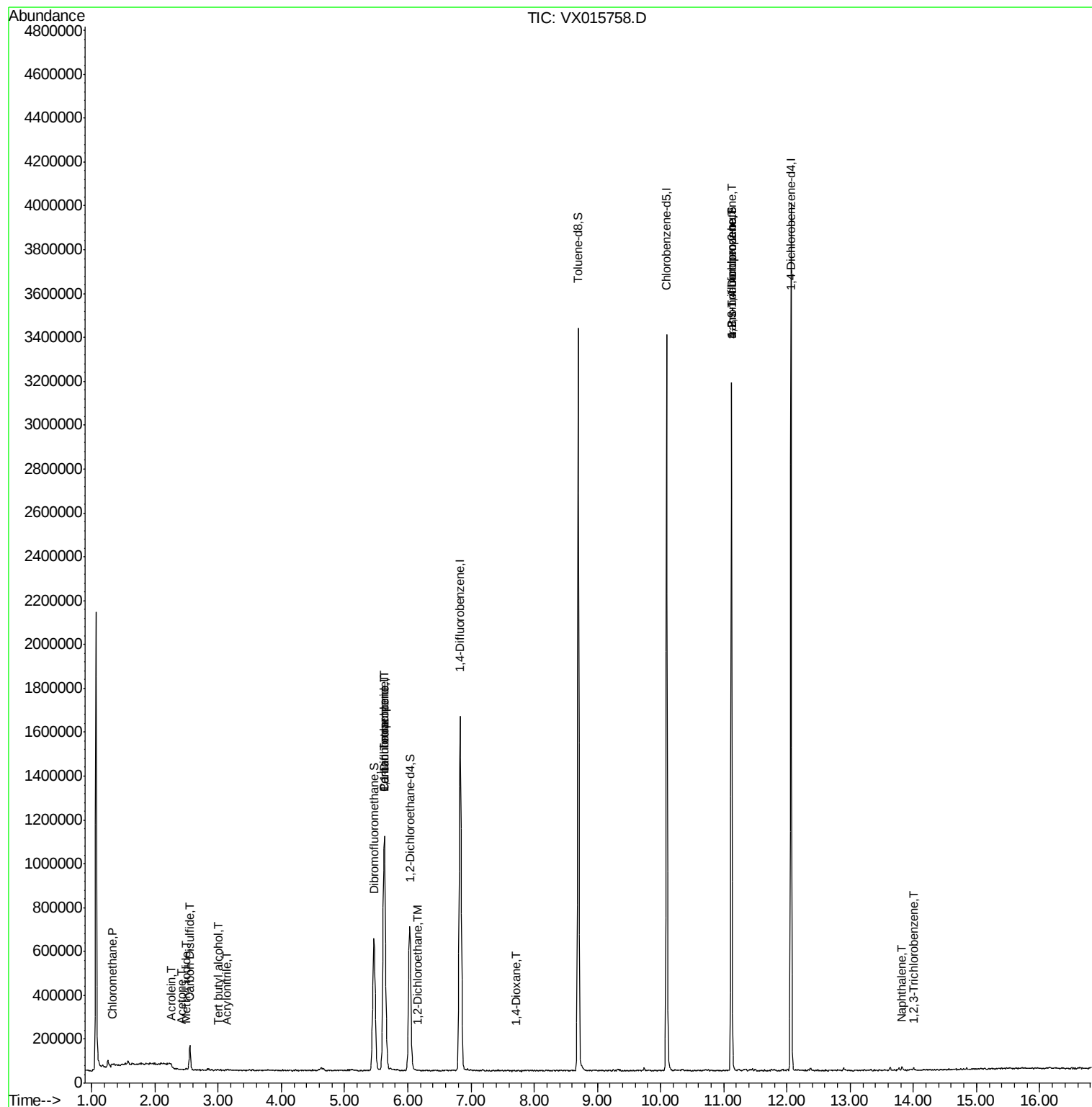
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2565	0.209	ug/l #	78
5) Bromomethane	1.64	94	5631	Below Cal	#	80
10) Methyl Iodide	2.50	142	11529	0.867	ug/l #	84
11) Tert butyl alcohol	3.01	59	907	0.245	ug/l #	1
13) Acrolein	2.27	56	1459	0.693	ug/l #	63
15) Acrylonitrile	3.13	53	3386	0.480	ug/l #	20
16) Acetone	2.42	43	3566	0.538	ug/l	99
17) Carbon Disulfide	2.55	76	133514	4.235	ug/l	99
36) 1,1-Dichloropropene	5.62	75	72110	4.668	ug/l #	53
38) Carbon Tetrachloride	5.62	117	99809	5.966	ug/l #	15
42) 1,2-Dichloroethane	6.16	62	4184	0.230	ug/l	97
49) 1,4-Dioxane	7.72	88	842	2.662	ug/l #	33
76) 1,2,3-Trichloropropane	11.12	75	388781	23.147	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	388781	55.539	ug/l #	10
95) Naphthalene	13.82	128	12984	0.215	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	4021	0.211	ug/l	83

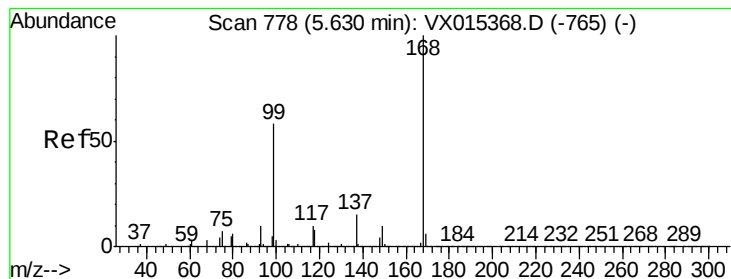
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042020\
Data File : VX015758.D
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Operator : JC/SP
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Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 20 15:01:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

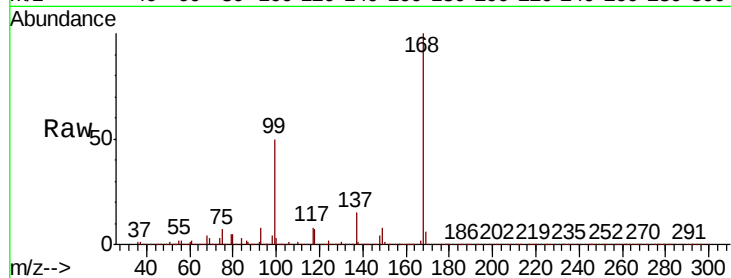
ClientSampled :

Tot Ion:168 Resp: 1094670

Ion Ratio Lower Upper

168 100

99 50.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

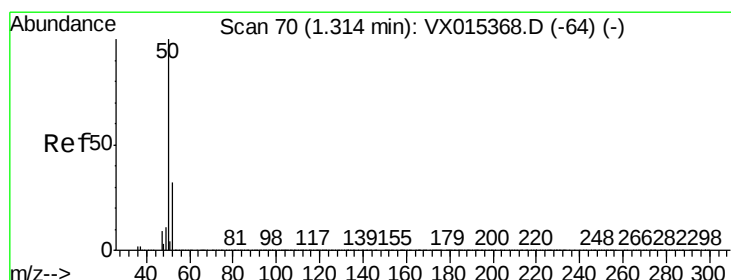
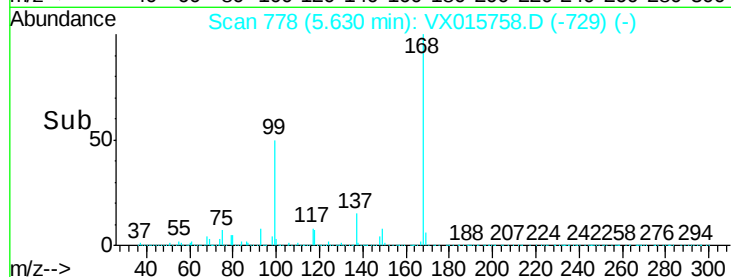
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015758.D

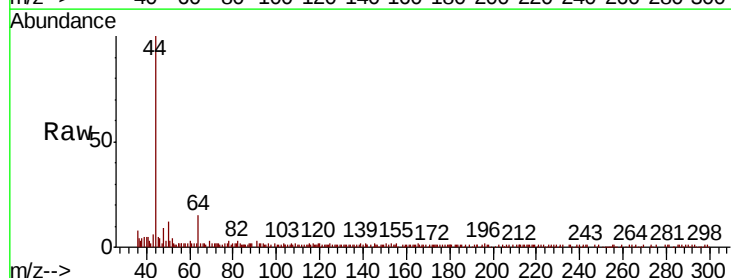
Acq: 20 Apr 2020 12:13

Tgt Ion: 50 Resp: 2565

Ion Ratio Lower Upper

50 100

52 19.7 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

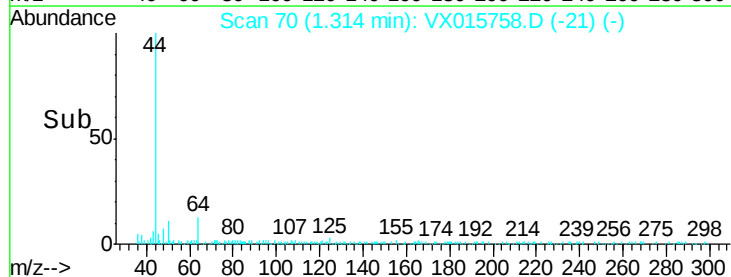
1500

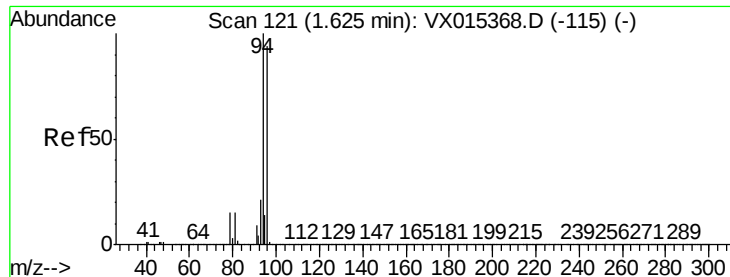
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

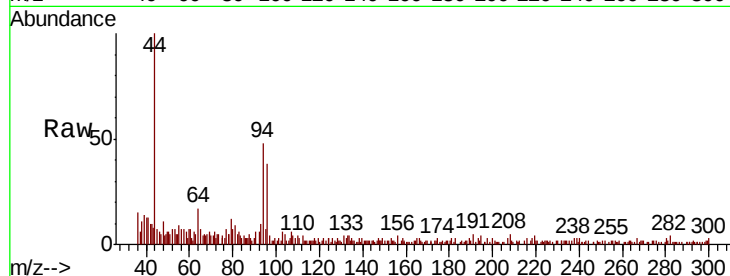
ClientSampleId :

Tot Ion: 94 Resp: 5631

Ion Ratio Lower Upper

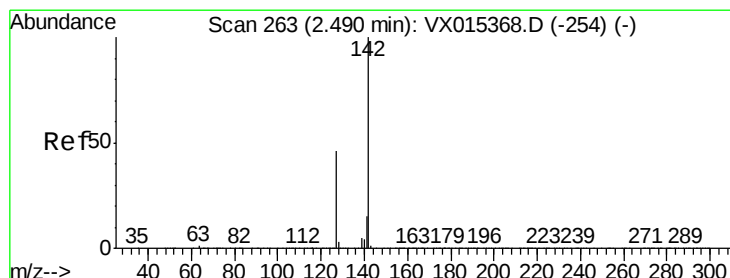
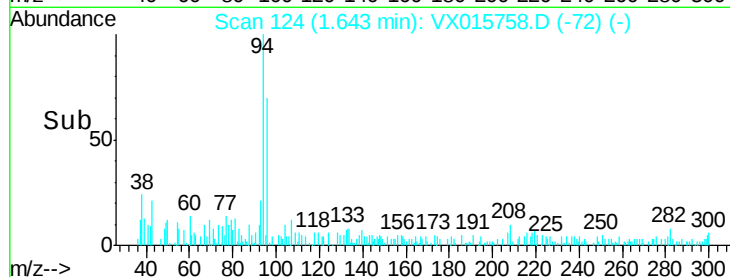
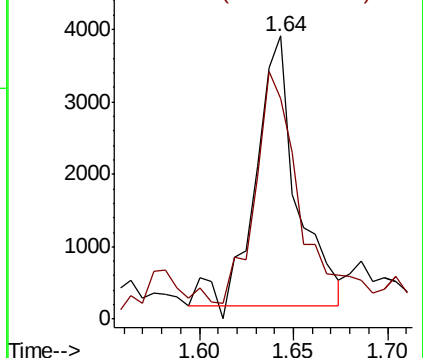
94 100

96 73.9 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: 0.867 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

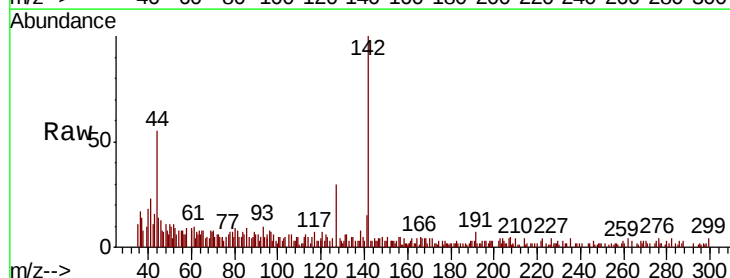
Tgt Ion:142 Resp: 11529

Ion Ratio Lower Upper

142 100

127 34.4 35.9 53.9#

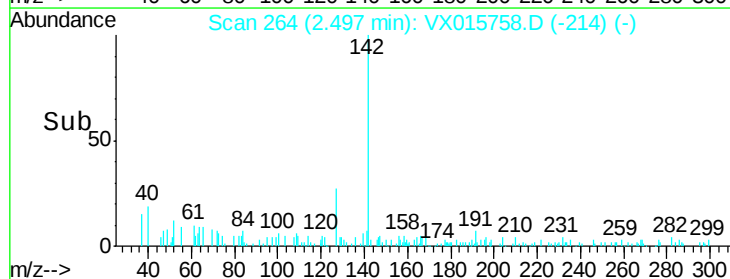
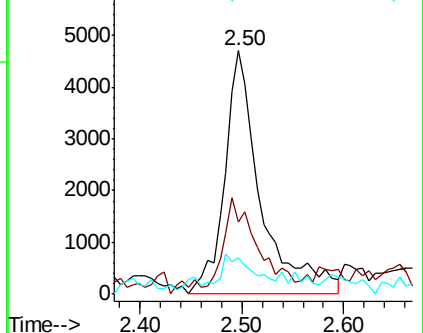
141 8.5 11.6 17.4#

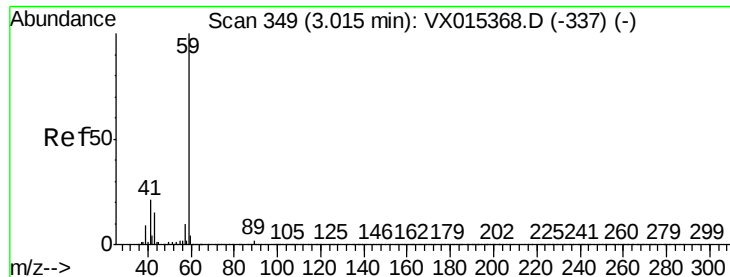


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



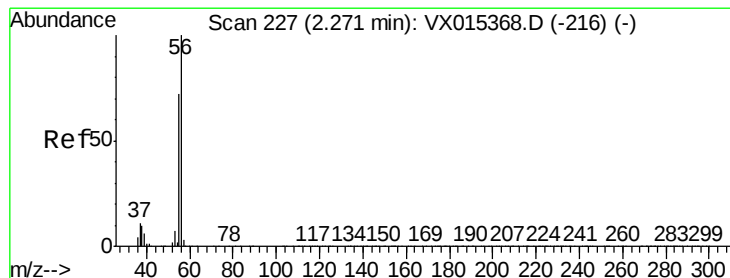
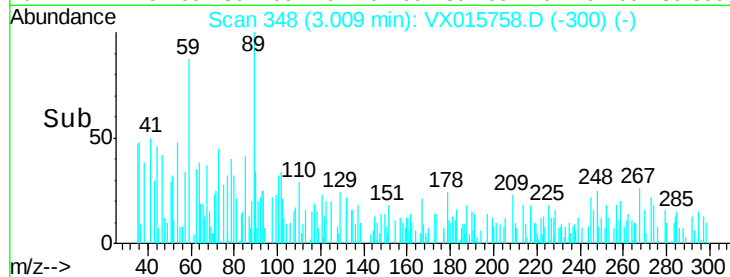
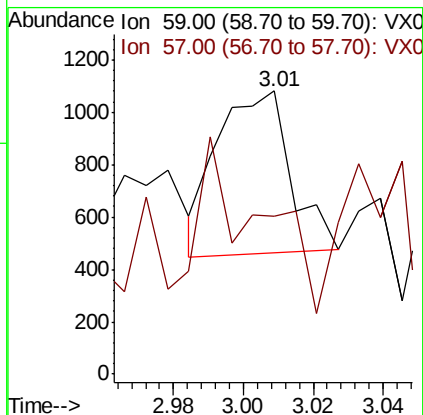
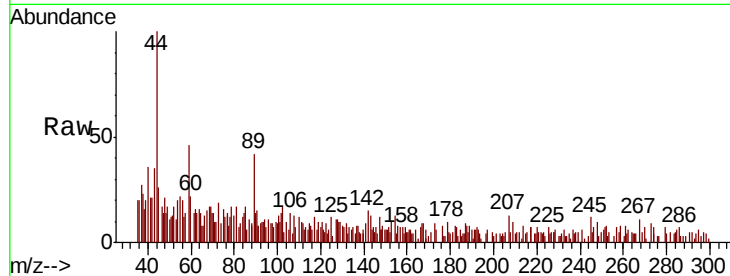


#11

Tert butyl alcohol
Concen: 0.245 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Instrument :
MSVOA_X
ClientSampled :

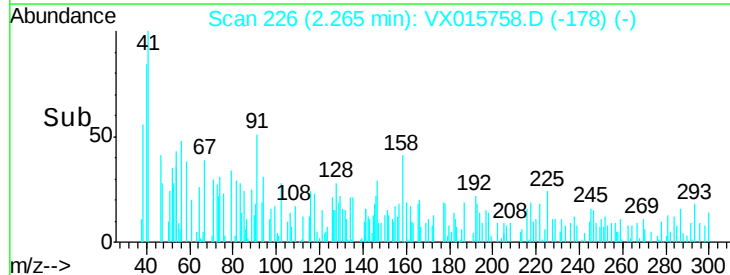
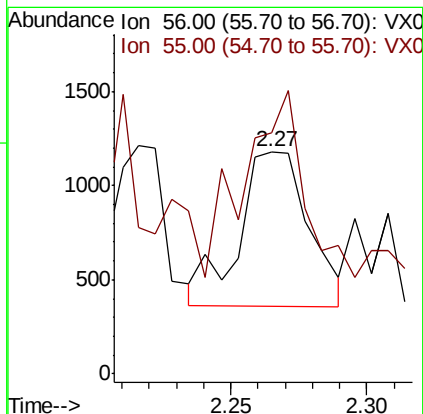
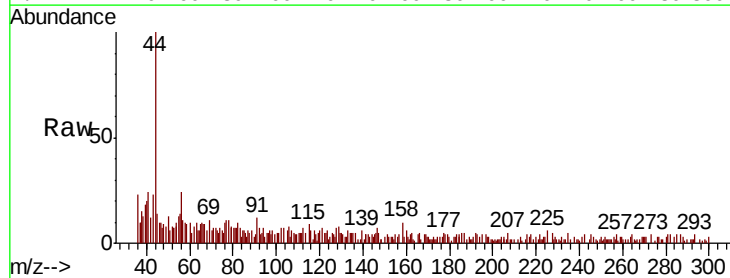
Tot Ion: 59 Resp: 907
Ion Ratio Lower Upper
59 100
57 122.5 8.1 12.1#

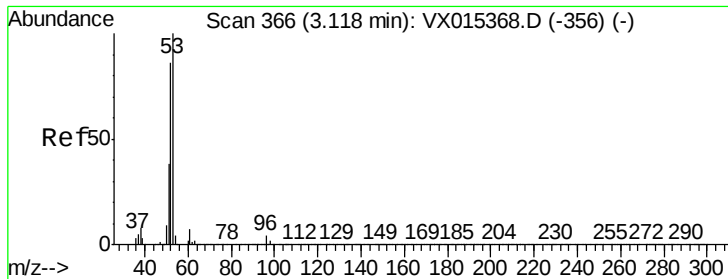


#13

Acrolein
Concen: 0.693 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Tgt Ion: 56 Resp: 1459
Ion Ratio Lower Upper
56 100
55 101.8 57.0 85.4#





#15

Acrylonitrile

Concen: 0.480 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

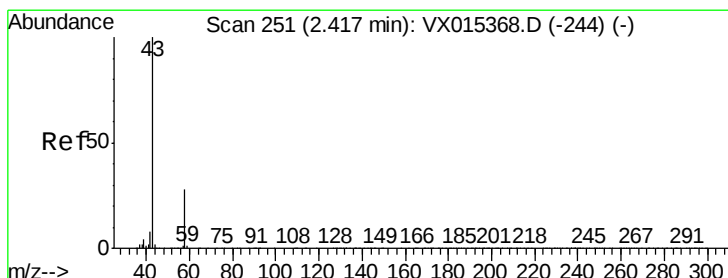
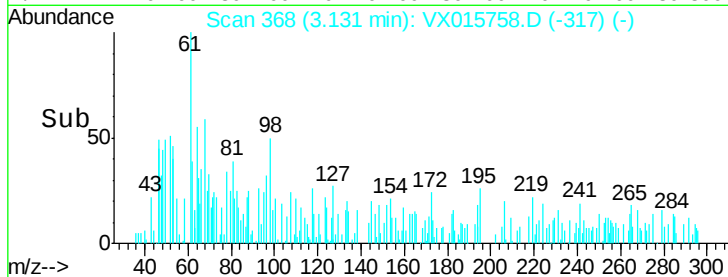
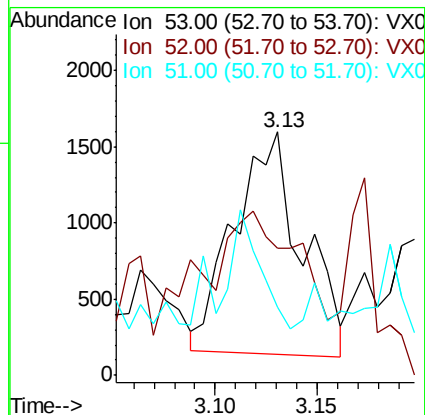
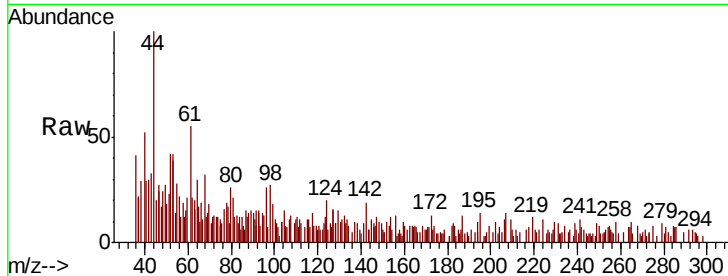
Tot Ion: 53 Resp: 3386

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 6.9 29.5 44.3#



#16

Acetone

Concen: 0.538 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015758.D

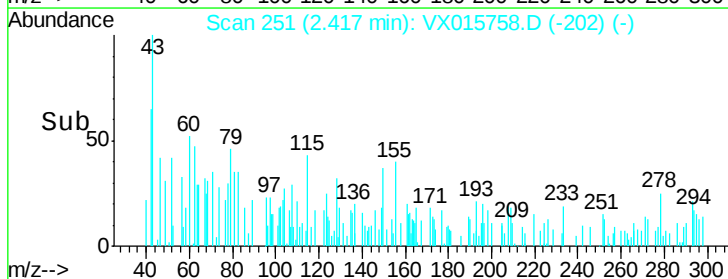
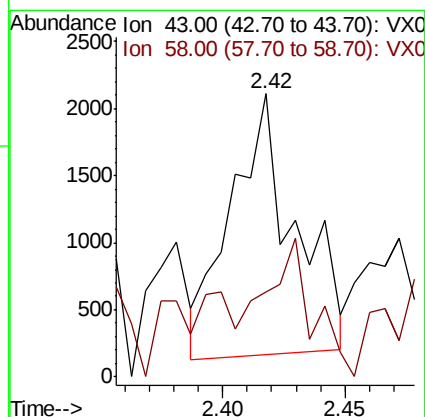
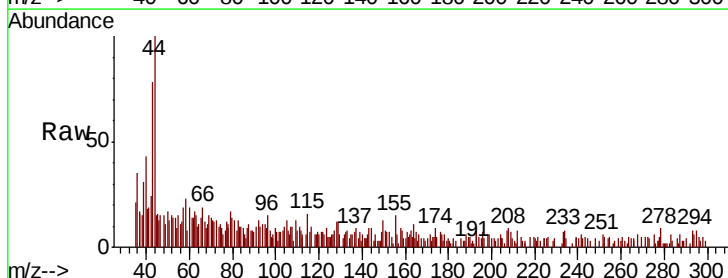
Acq: 20 Apr 2020 12:13

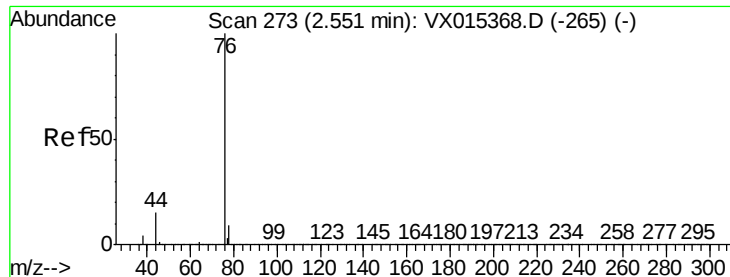
Tgt Ion: 43 Resp: 3566

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1

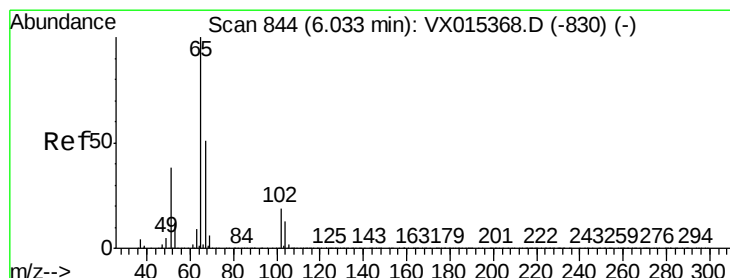
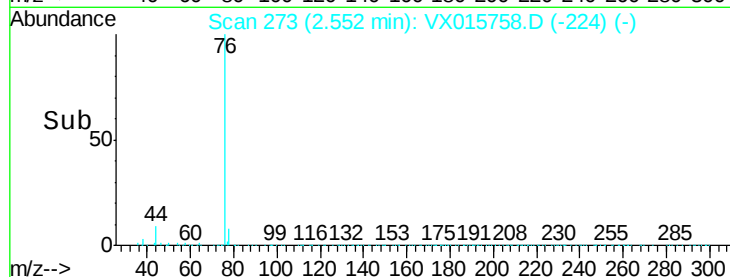
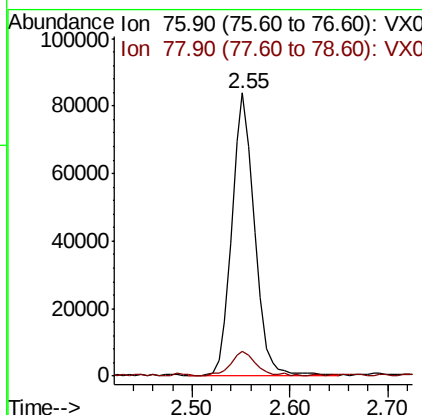
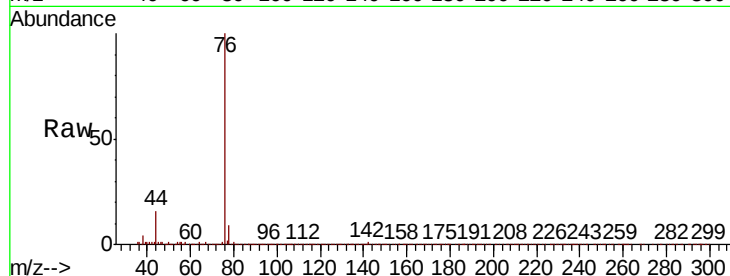




#17
Carbon Disulfide
Concen: 4.235 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

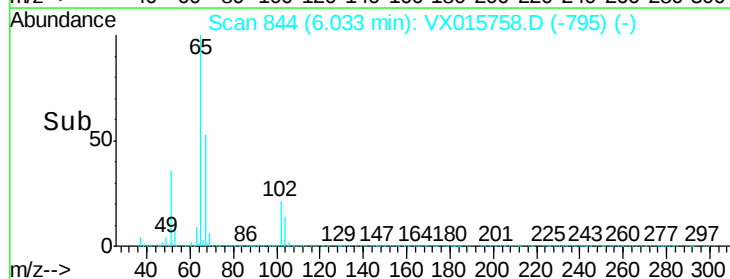
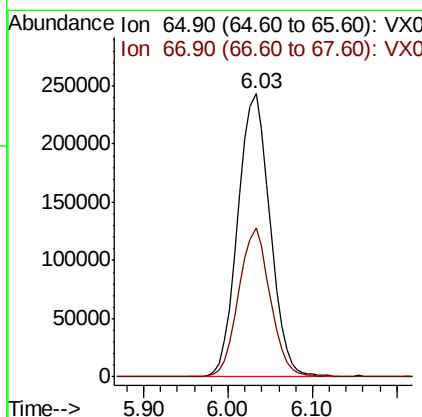
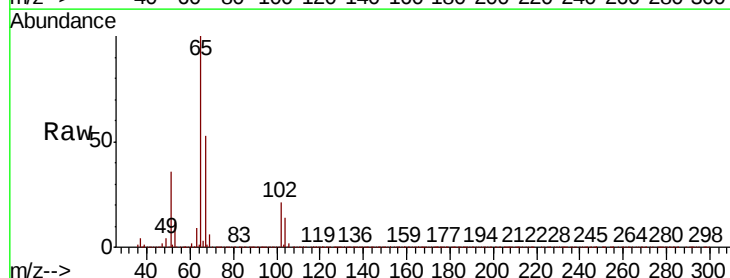
Instrument :
MSVOA_X
ClientSampleId :

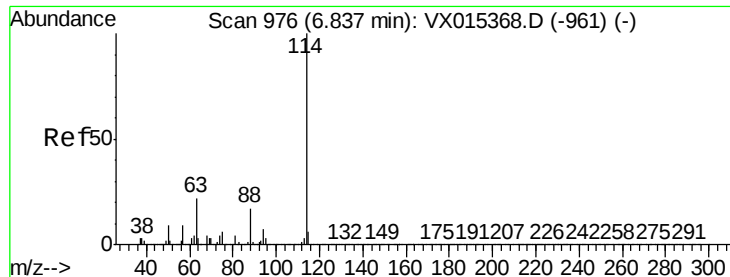
Tot Ion: 76 Resp: 133514
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#33
1,2-Dichloroethane-d4
Concen: 40.808 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Tgt Ion: 65 Resp: 630033
Ion Ratio Lower Upper
65 100
67 51.1 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: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

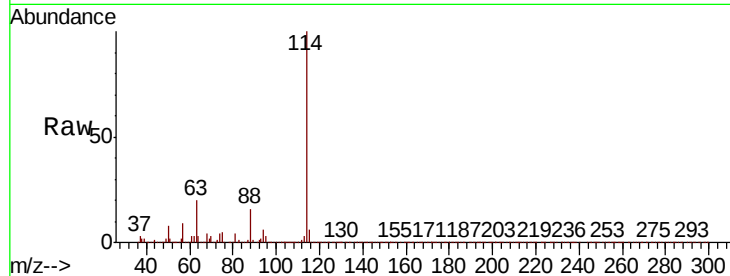
Tot Ion:114 Resp: 1676430

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.2

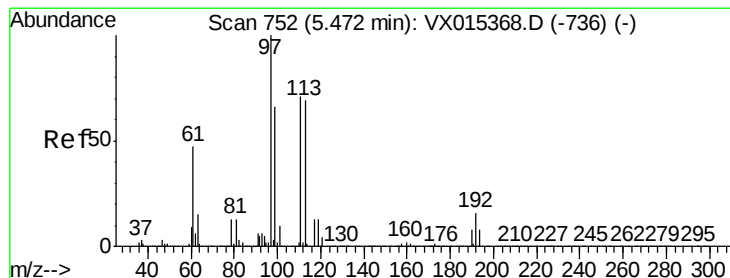
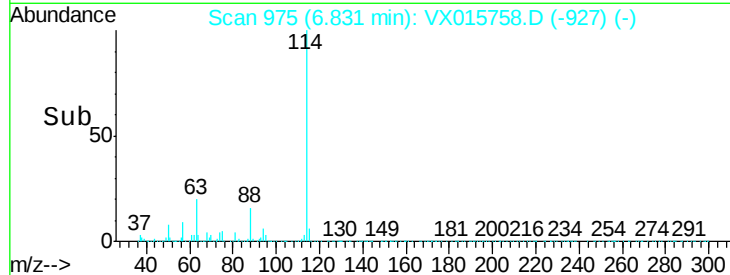
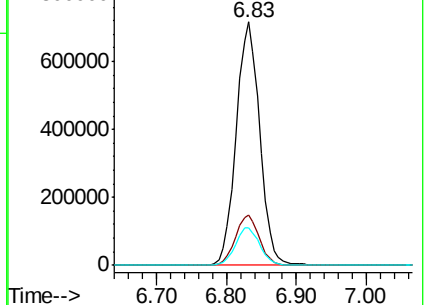
88 15.5 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 47.693 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

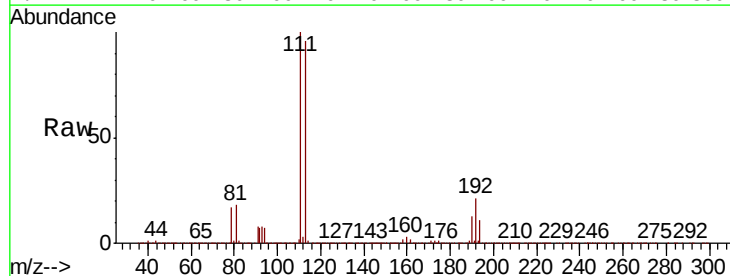
Tgt Ion:113 Resp: 511093

Ion Ratio Lower Upper

113 100

111 100.1 81.5 122.3

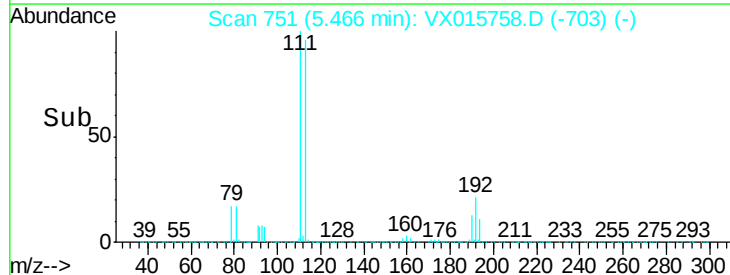
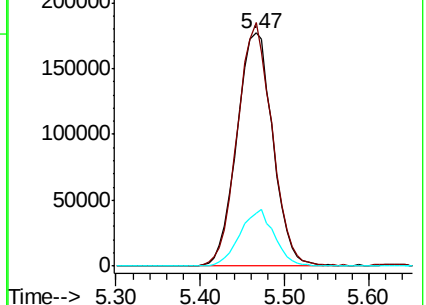
192 23.2 17.8 26.6

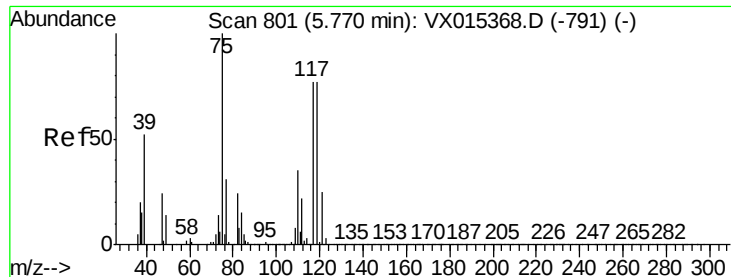


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

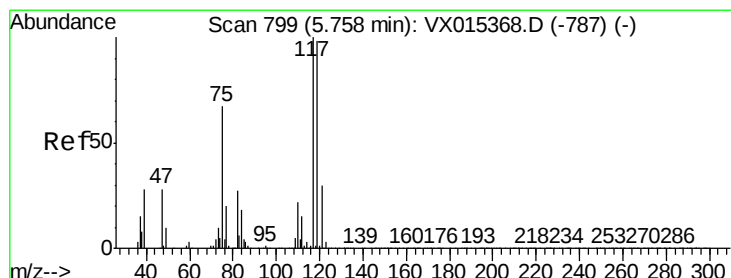
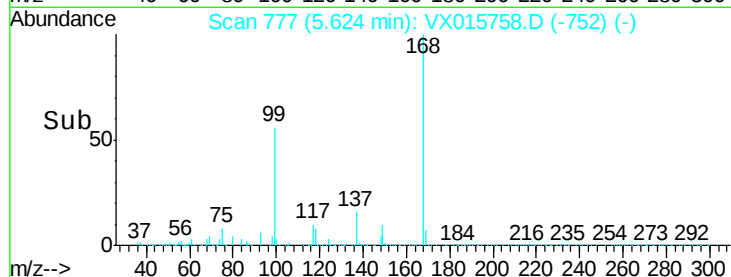
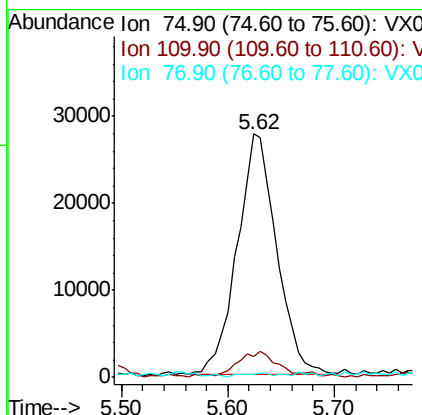
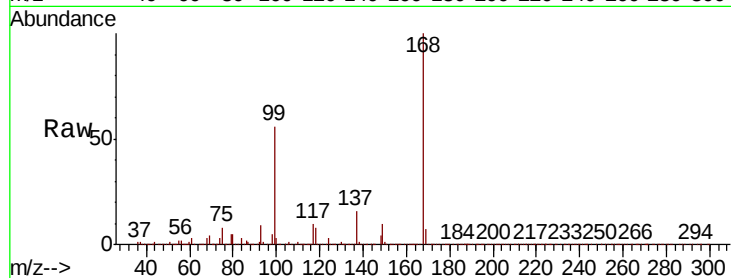




#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.15 min
 Lab File: VX015758.D
 Acq: 20 Apr 2020 12:13

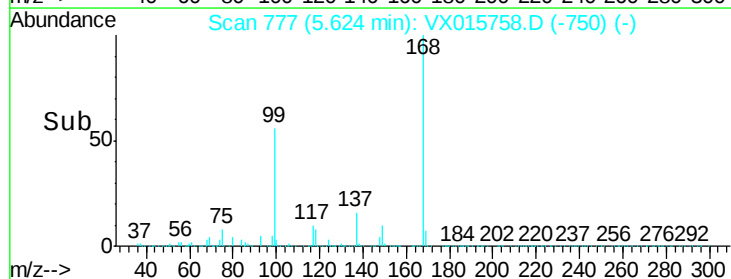
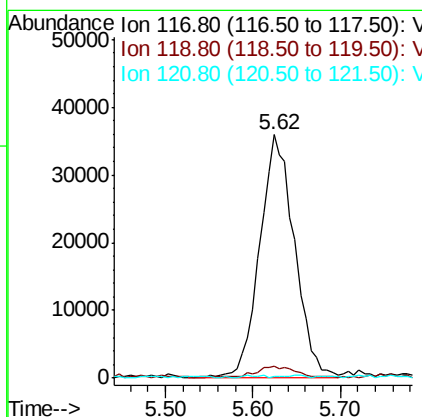
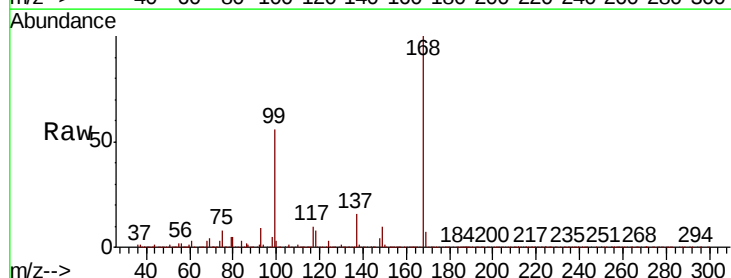
Instrument :
 MSVOA_X
 ClientSampleId :

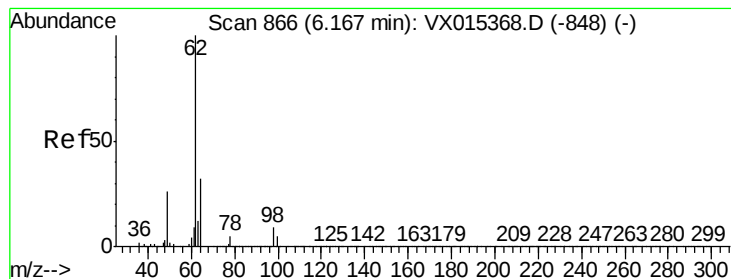
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.3#
77	1.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.966 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.13 min
 Lab File: VX015758.D
 Acq: 20 Apr 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.0	117.0#
121	0.0	23.8	35.8#





#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 6.16 min Scan# 865

Delta R.T. -0.01 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

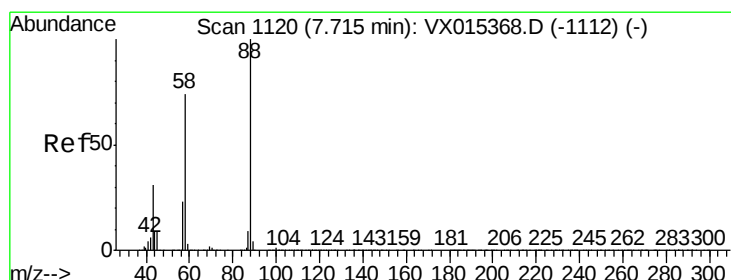
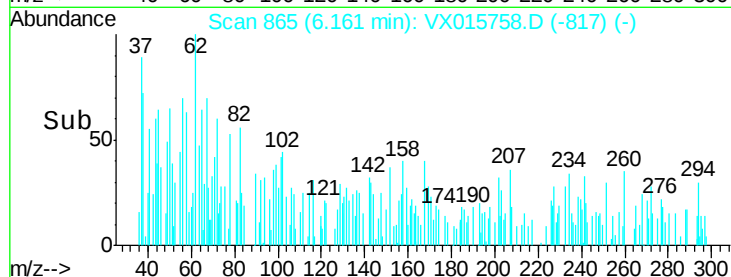
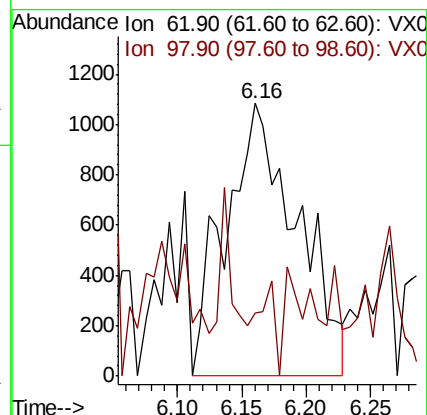
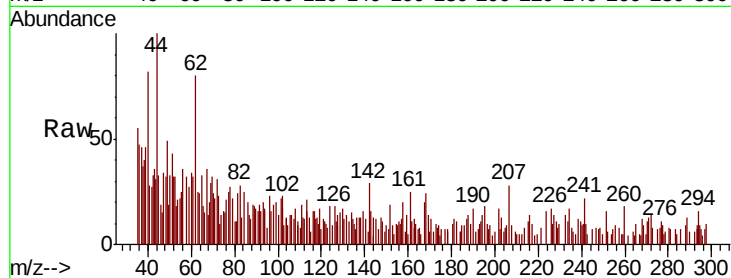
ClientSampled :

Tot Ion: 62 Resp: 4184

Ion Ratio Lower Upper

62 100

98 7.7 0.0 17.6



#49

1,4-Dioxane

Concen: 2.662 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

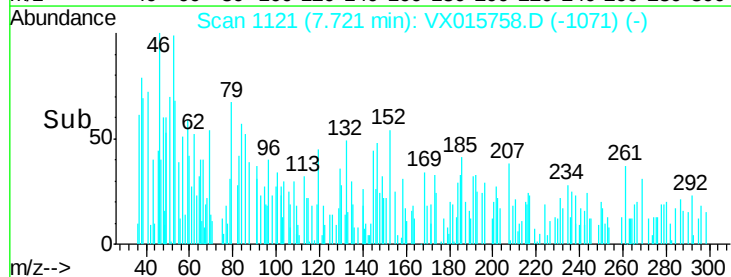
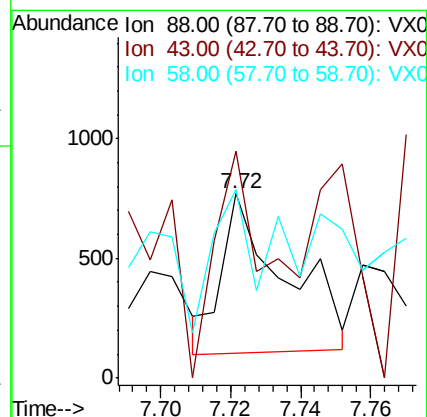
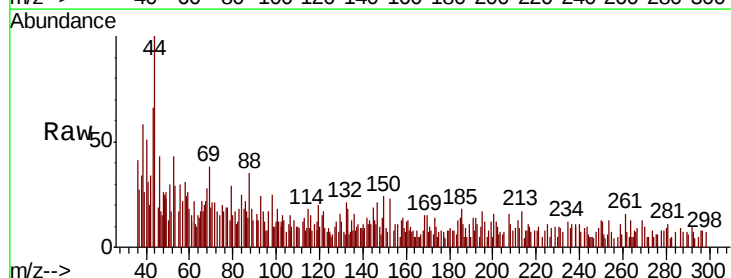
Tgt Ion: 88 Resp: 842

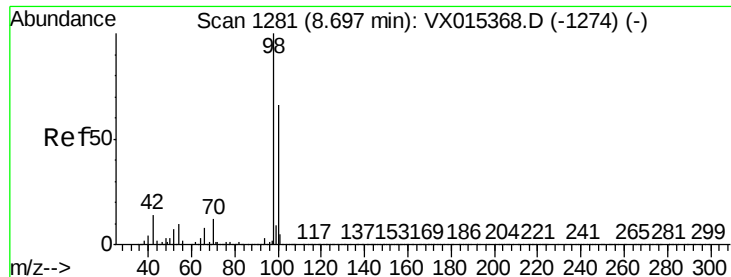
Ion Ratio Lower Upper

88 100

43 125.1 30.1 45.1#

58 51.8 60.6 90.8#

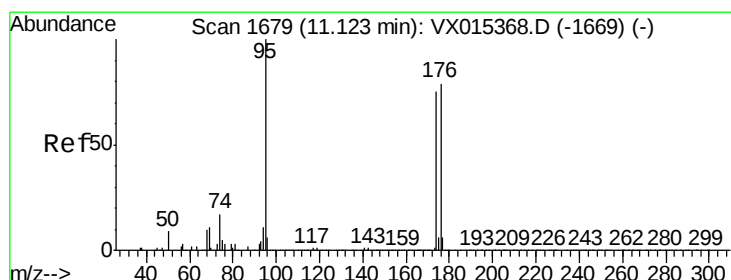
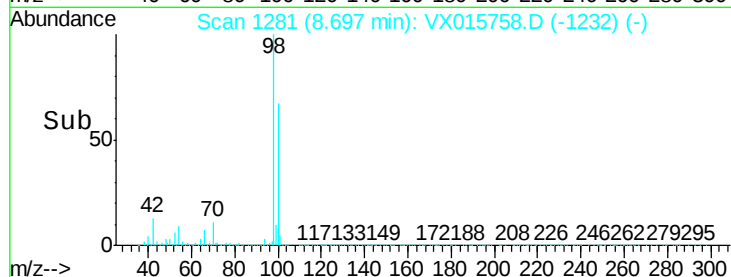
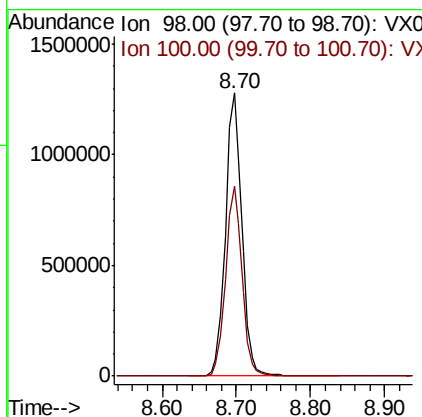
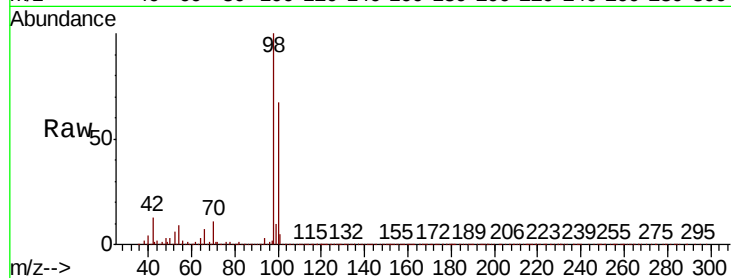




#50
Toluene-d8
Concen: 49.867 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

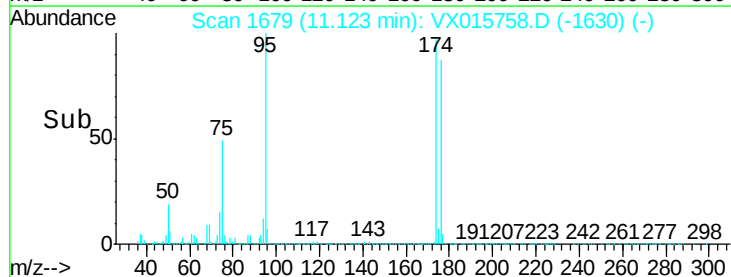
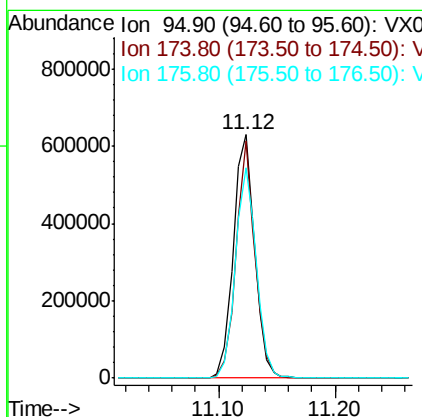
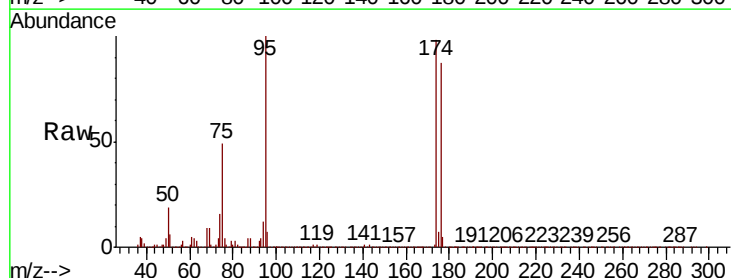
Instrument :
MSVOA_X
ClientSampled :

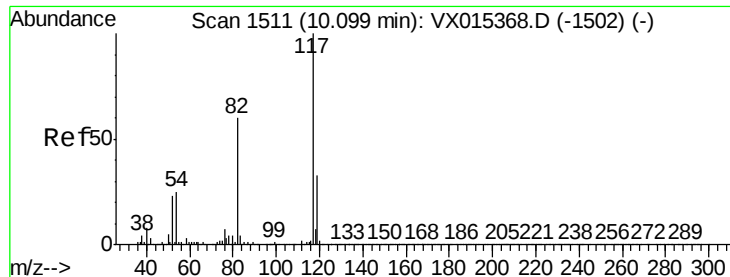
Tot Ion: 98 Resp: 1967453
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.152 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Tgt Ion: 95 Resp: 804144
Ion Ratio Lower Upper
95 100
174 86.5 0.0 158.6
176 85.0 0.0 159.0

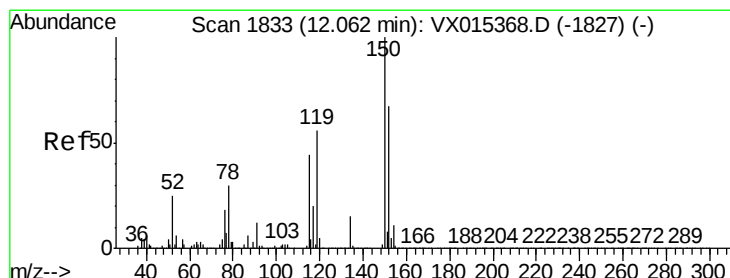
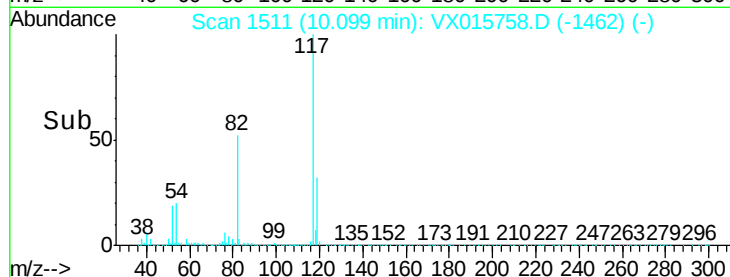
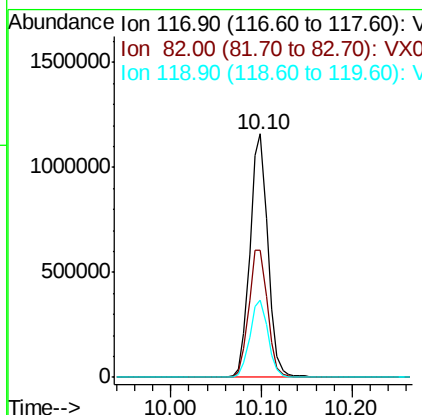
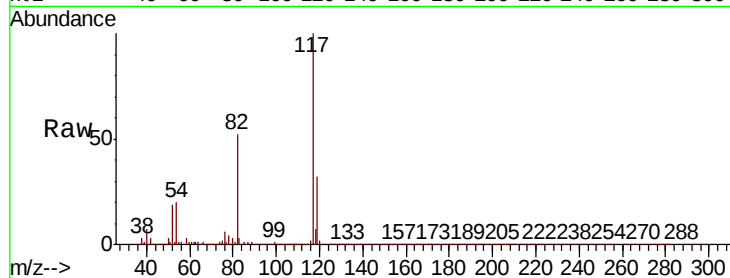




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

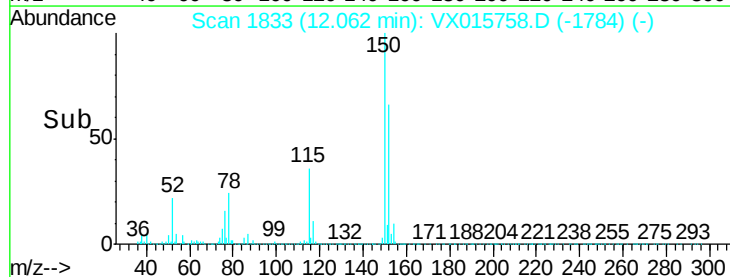
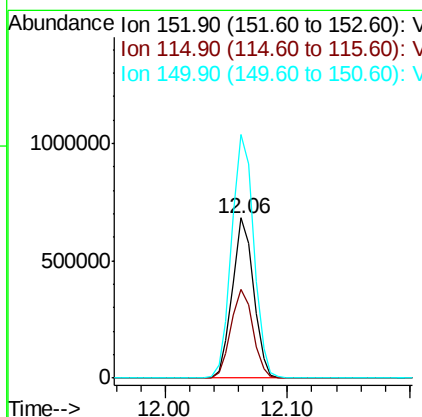
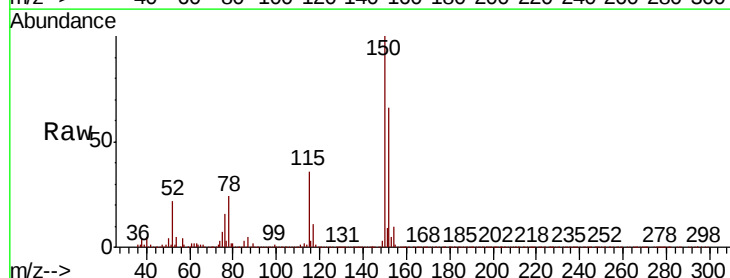
Instrument :
MSVOA_X
ClientSampleId :

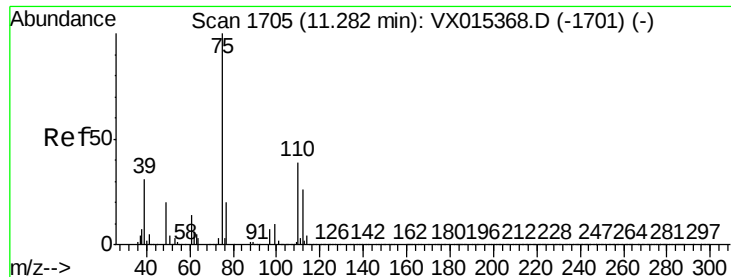
Tot Ion:117 Resp: 1578225
Ion Ratio Lower Upper
117 100
82 52.2 47.8 71.8
119 31.8 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Tgt Ion:152 Resp: 816783
Ion Ratio Lower Upper
152 100
115 56.8 39.0 116.9
150 158.0 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 23.147 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

Instrument :

MSVOA_X

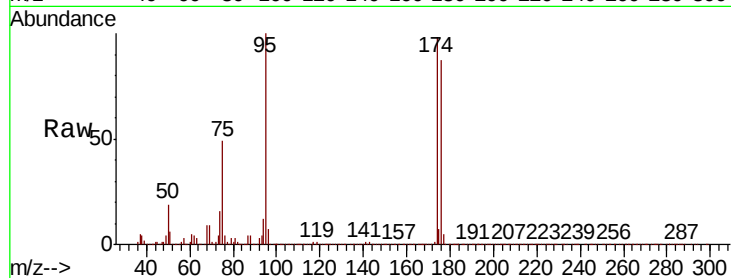
ClientSampleId :

Tot Ion: 75 Resp: 388781

Ion Ratio Lower Upper

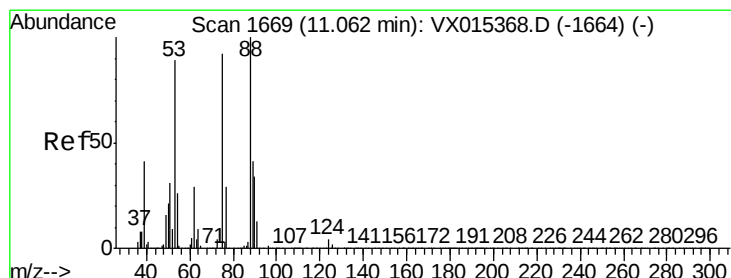
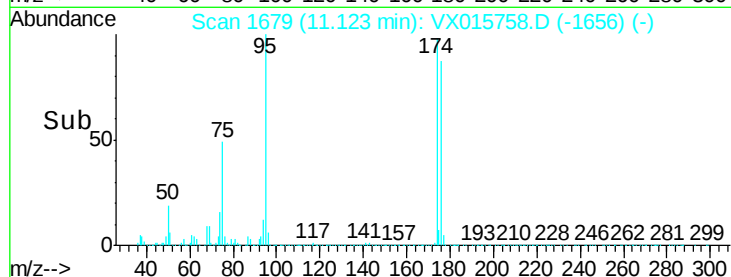
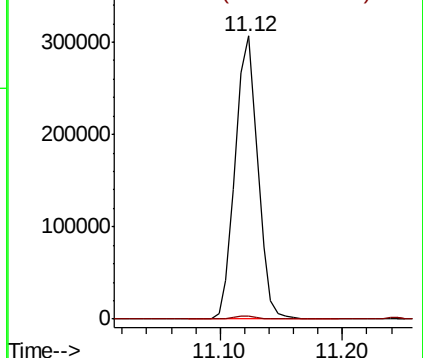
75 100

77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 55.539 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015758.D

Acq: 20 Apr 2020 12:13

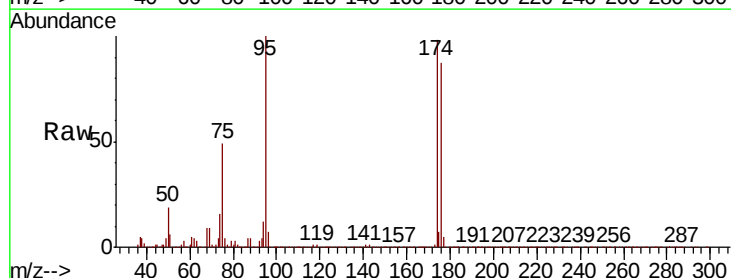
Tgt Ion: 75 Resp: 388781

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

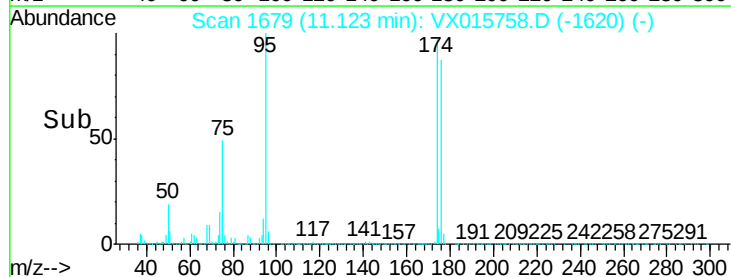
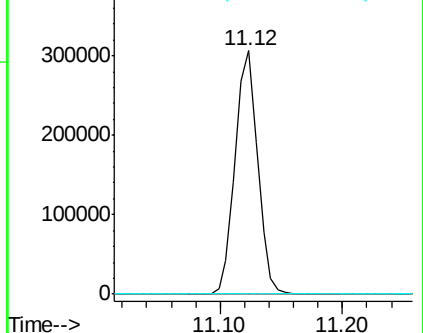
89 0.0 36.1 54.1#

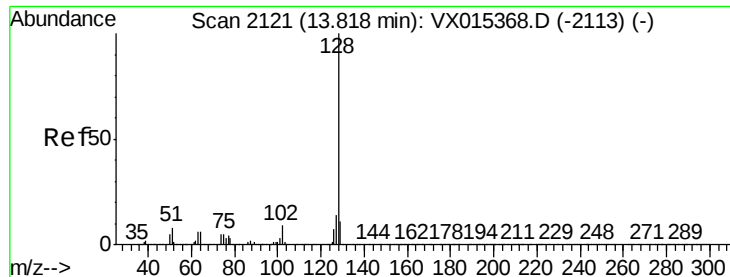


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

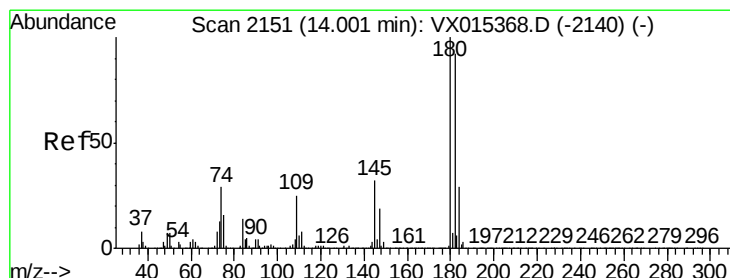
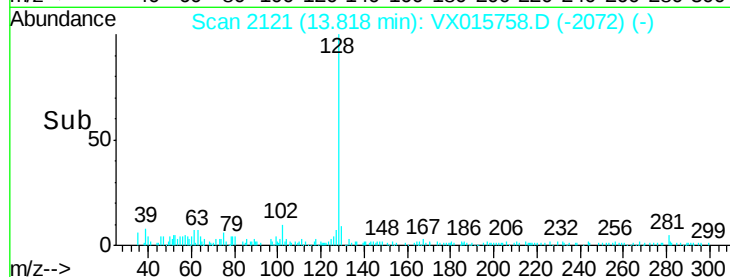
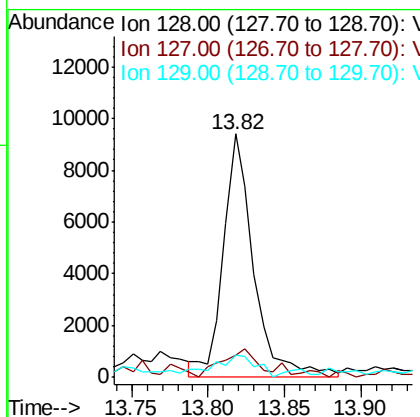
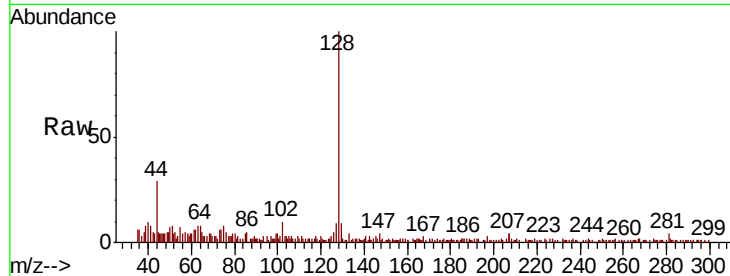




#95
Naphthalene
Concen: 0.215 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 12984
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 12.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.211 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.01 min
Lab File: VX015758.D
Acq: 20 Apr 2020 12:13

Tgt Ion:180 Resp: 4021
Ion Ratio Lower Upper
180 100
182 78.7 46.7 140.0
145 43.8 15.8 47.3

