

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\
 Data File : VX015759.D
 Acq On : 20 Apr 2020 12:36
 Operator : JC/SP
 Sample : VX0420WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 15:01:16 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	1076801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1642204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1549434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	837340	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	624314	41.11	ug/l	0.00
Spiked Amount						
			Recovery	=	82.22%	
35) Dibromofluoromethane	5.47	113	500019	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
50) Toluene-d8	8.70	98	1929881	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.12	95	812802	51.75	ug/l	0.00
Spiked Amount						
			Recovery	=	103.50%	

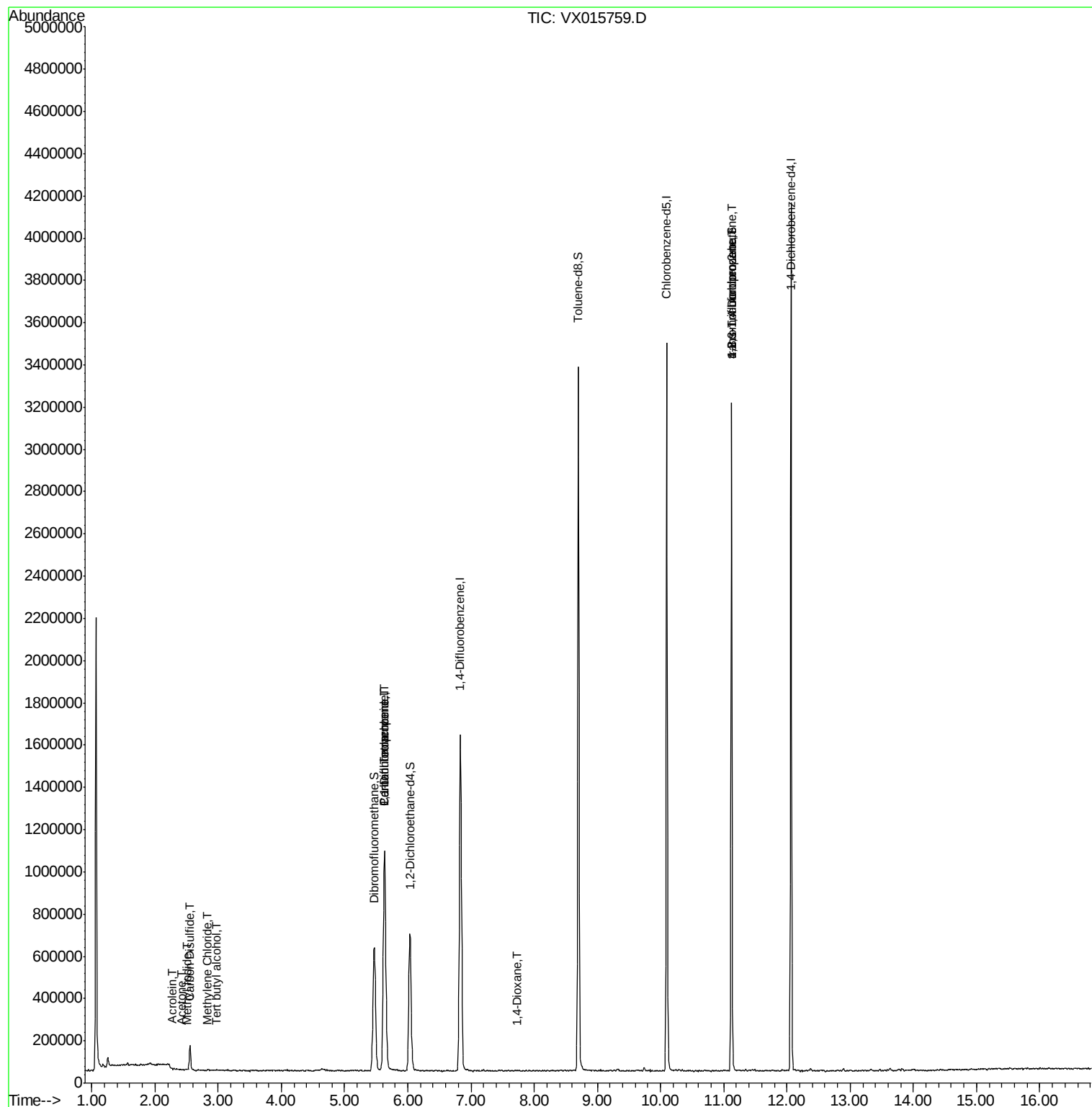
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	3308	Below Cal		92
10) Methyl Iodide	2.50	142	3587	0.274	ug/l #	86
11) Tert butyl alcohol	2.98	59	3183	0.876	ug/l	96
13) Acrolein	2.28	56	972	0.469	ug/l #	80
16) Acetone	2.42	43	3535	0.542	ug/l #	66
17) Carbon Disulfide	2.55	76	143571	4.629	ug/l	98
20) Methylene Chloride	2.84	84	2716	0.223	ug/l #	65
36) 1,1-Dichloropropene	5.64	75	71405	4.719	ug/l #	53
38) Carbon Tetrachloride	5.63	117	96525	5.890	ug/l #	14
49) 1,4-Dioxane	7.73	88	400	1.291	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	398721	23.156	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	398721	55.561	ug/l #	10

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

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MSVOA_X
ClientSampleId :

Quant Time: Apr 20 15:01:16 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: VX015759.D

Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

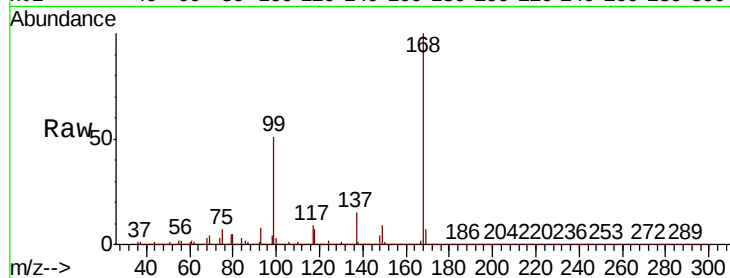
ClientSampleId :

Tot Ion:168 Resp: 1076801

Ion Ratio Lower Upper

168 100

99 50.7 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

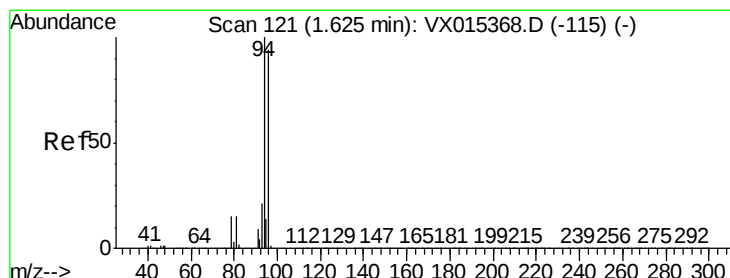
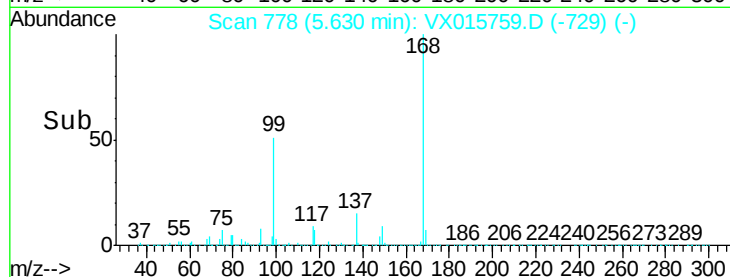
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015759.D

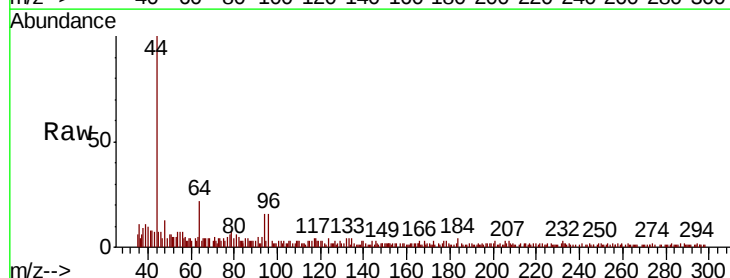
Acq: 20 Apr 2020 12:36

Tgt Ion: 94 Resp: 3308

Ion Ratio Lower Upper

94 100

96 86.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2000

1500

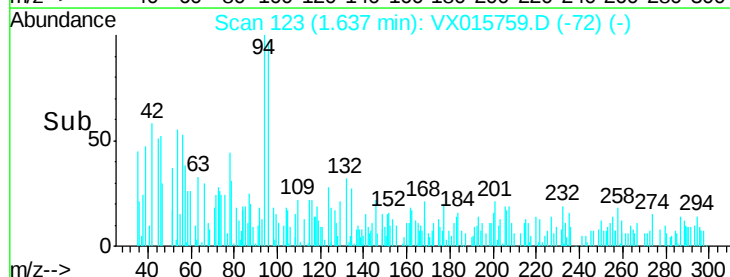
1000

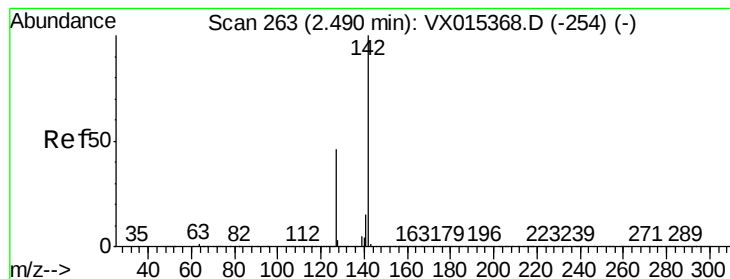
500

0

1.60 1.65 1.70

Time-->





#10

Methyl Iodide

Concen: 0.274 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

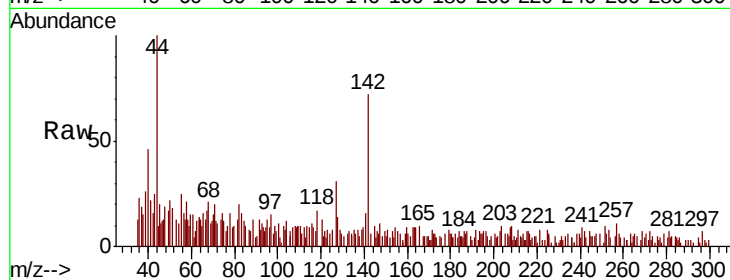
Tot Ion:142 Resp: 3587

Ion Ratio Lower Upper

142 100

127 48.6 35.9 53.9

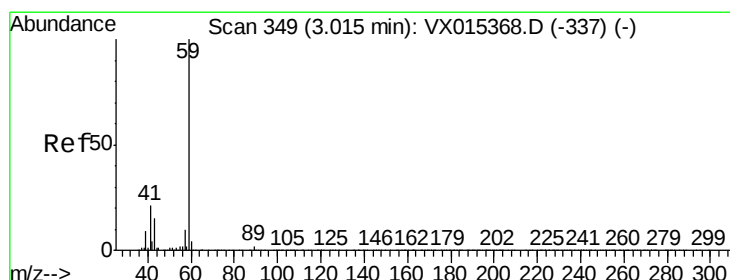
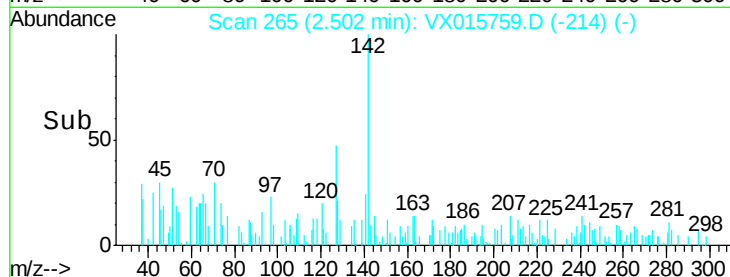
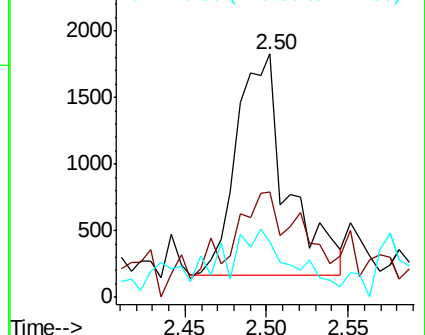
141 30.2 11.6 17.4#



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: 0.876 ug/l

RT: 2.98 min Scan# 344

Delta R.T. -0.03 min

Lab File: VX015759.D

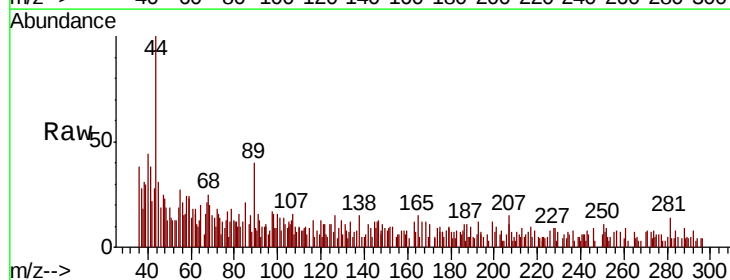
Acq: 20 Apr 2020 12:36

Tgt Ion: 59 Resp: 3183

Ion Ratio Lower Upper

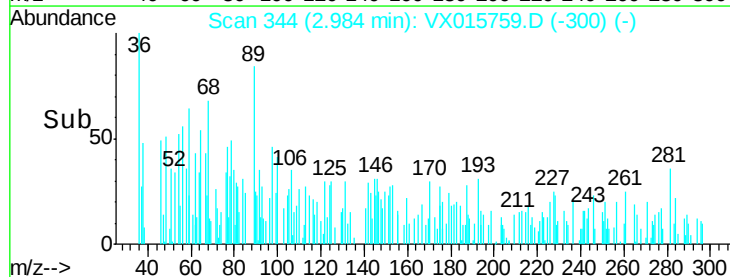
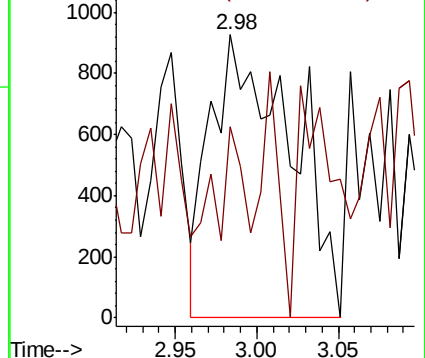
59 100

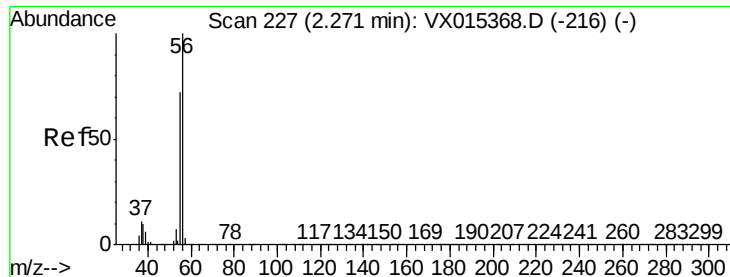
57 8.6 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.469 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

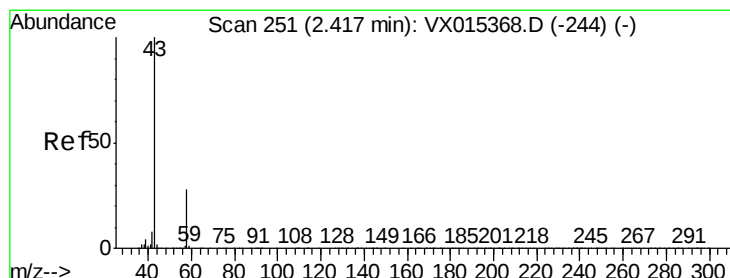
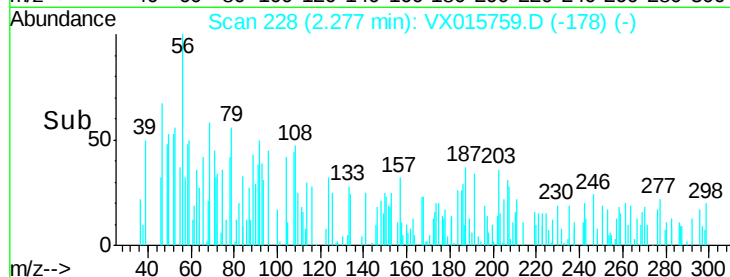
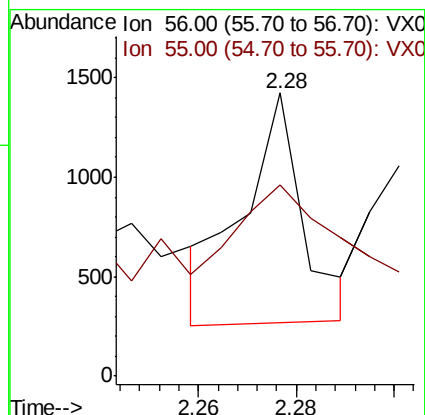
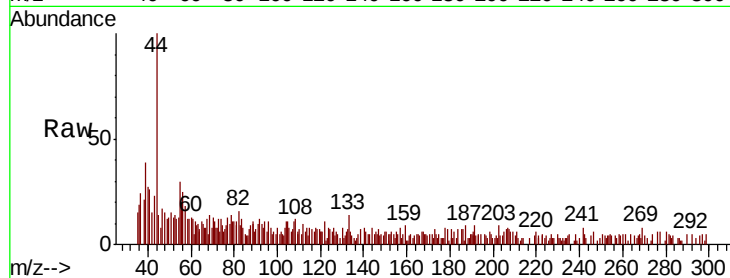
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 972

Ion Ratio Lower Upper

56 100

55 54.8 57.0 85.4#



#16

Acetone

Concen: 0.542 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015759.D

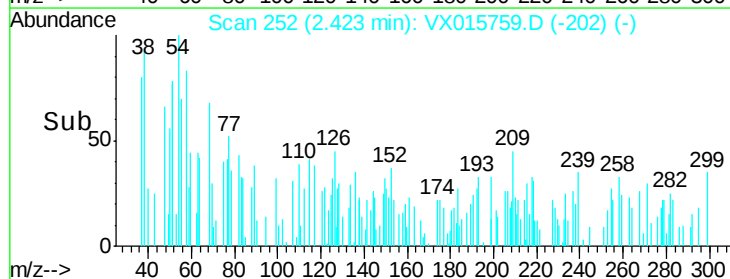
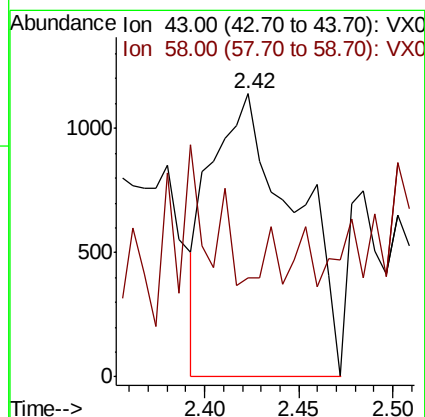
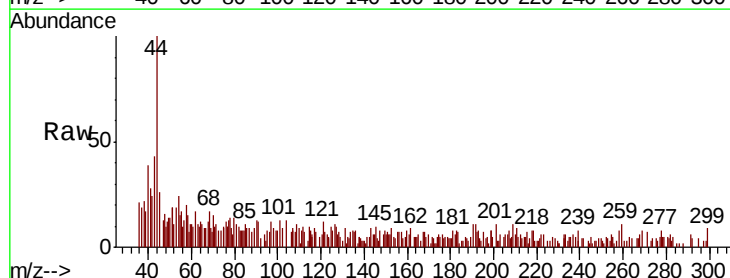
Acq: 20 Apr 2020 12:36

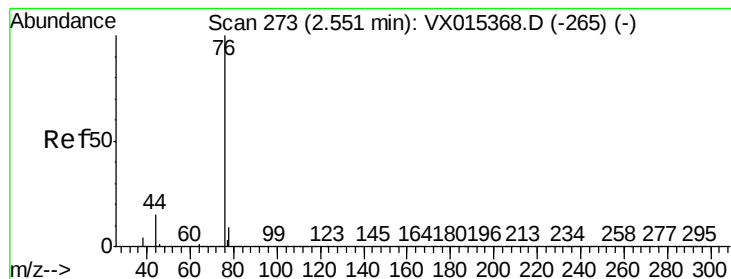
Tgt Ion: 43 Resp: 3535

Ion Ratio Lower Upper

43 100

58 9.8 22.1 33.1#





#17

Carbon Disulfide

Concen: 4.629 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

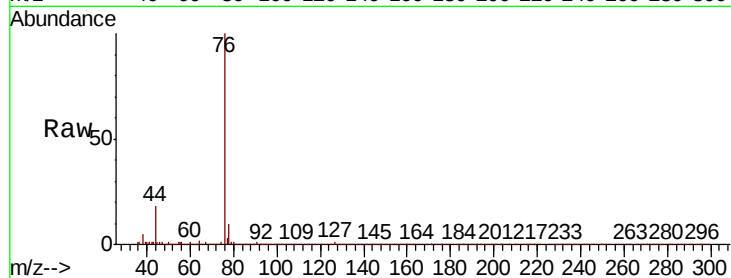
ClientSampleId :

Tot Ion: 76 Resp: 143571

Ion Ratio Lower Upper

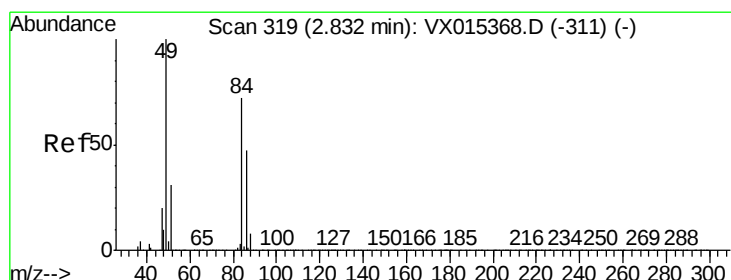
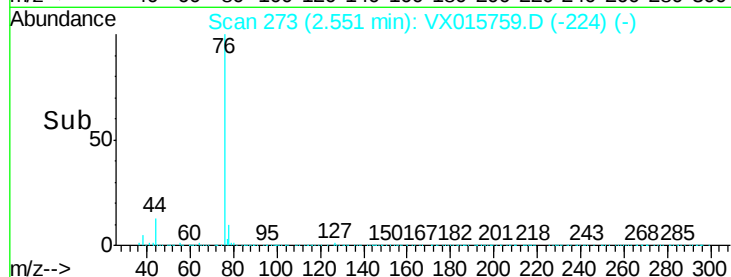
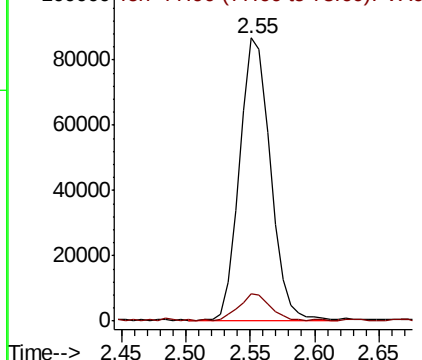
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Tgt Ion: 84 Resp: 2716

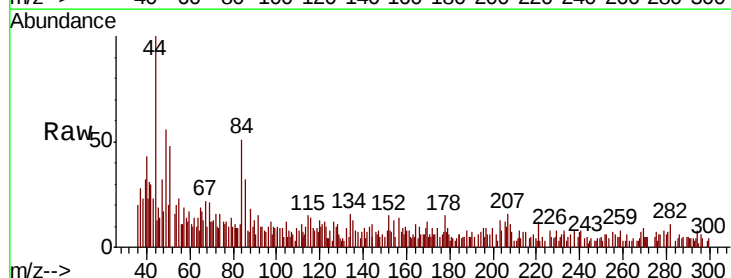
Ion Ratio Lower Upper

84 100

49 79.8 111.3 166.9#

51 36.3 34.0 51.0

86 48.2 52.5 78.7#

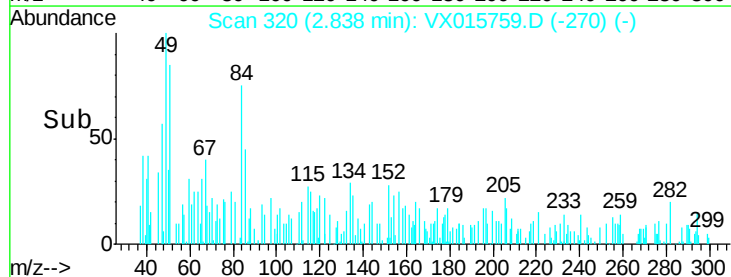
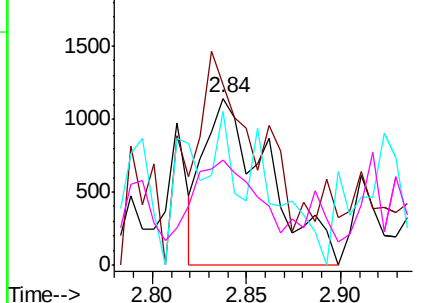


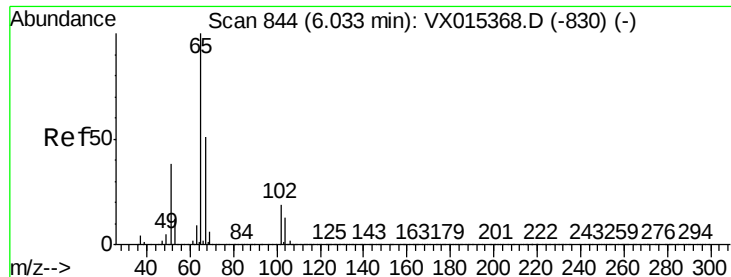
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 41.108 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

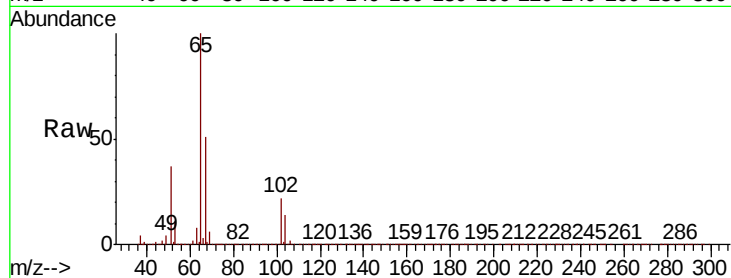
ClientSampled :

Tot Ion: 65 Resp: 624314

Ion Ratio Lower Upper

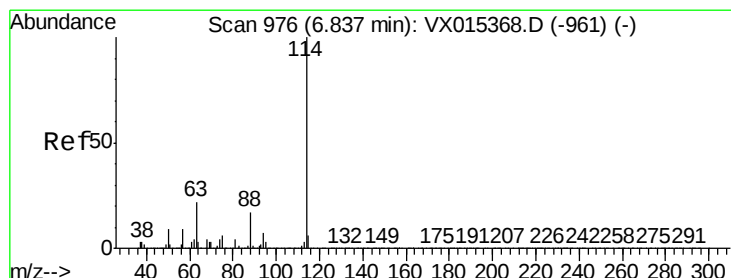
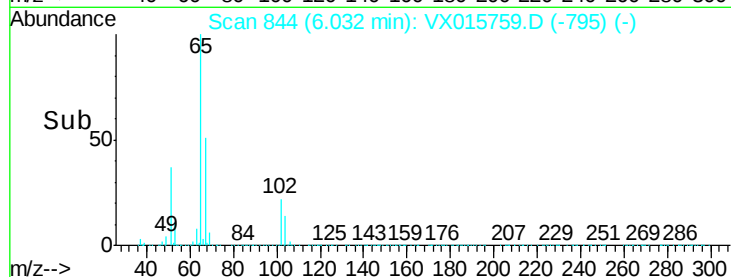
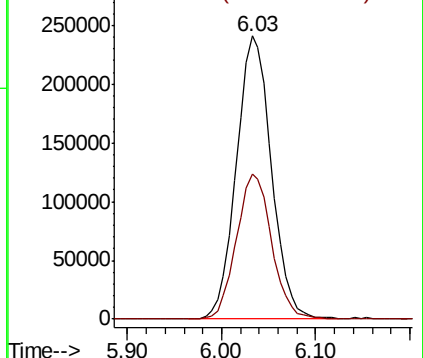
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

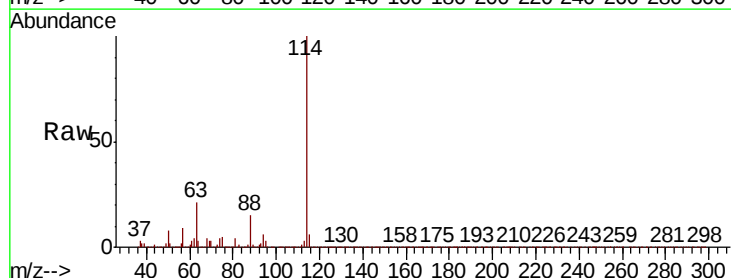
Tgt Ion: 114 Resp: 1642204

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

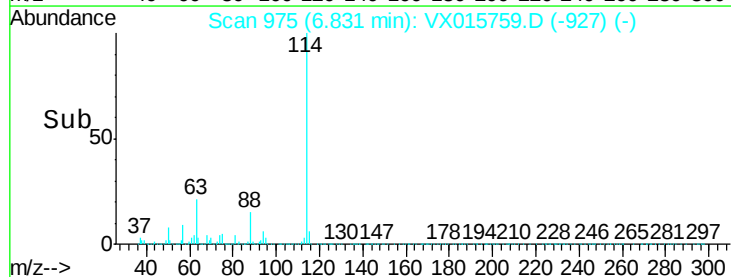
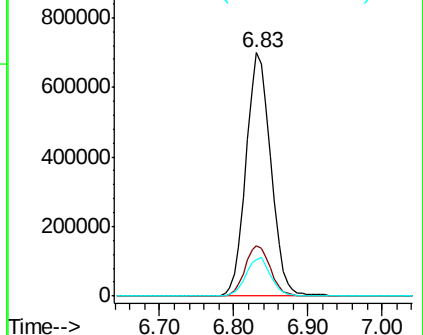
88 15.0 0.0 33.8

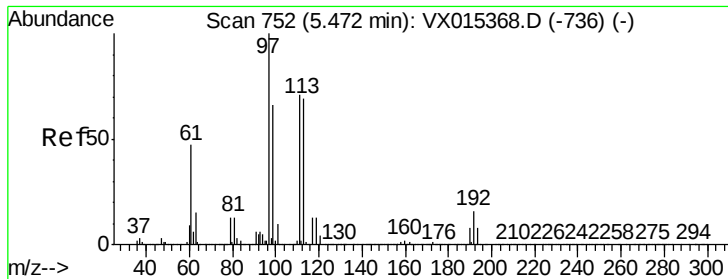


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

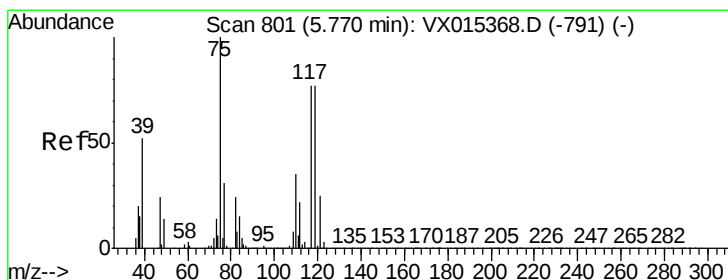
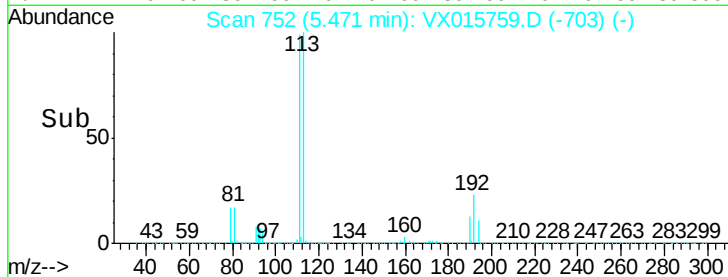
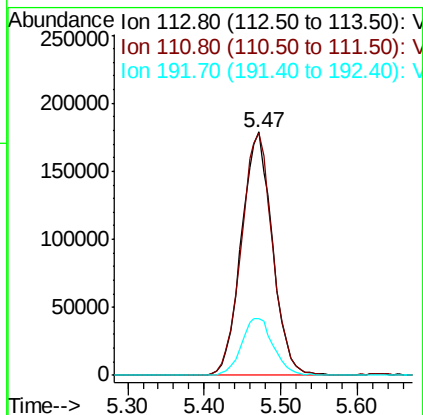
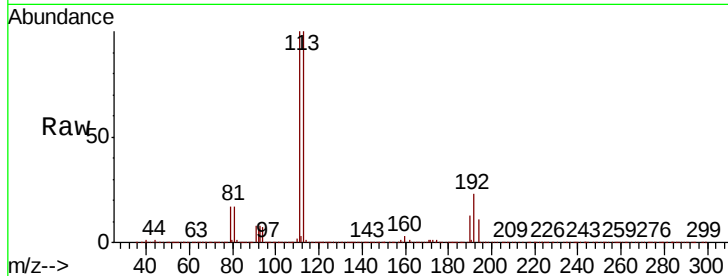




#35
Dibromofluoromethane
Concen: 47.633 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

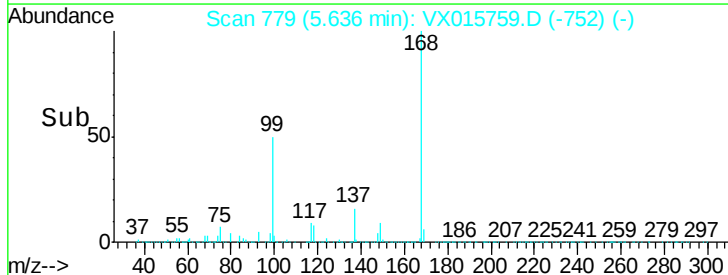
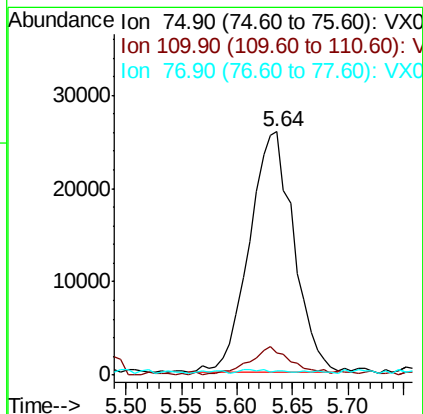
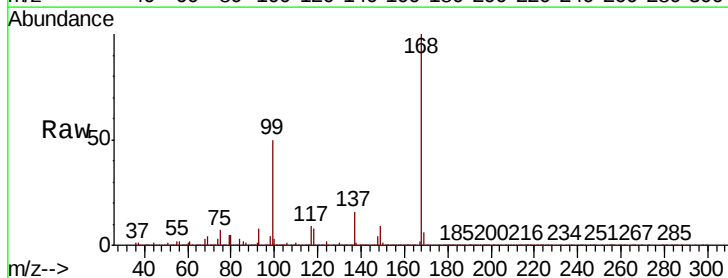
Instrument :
MSVOA_X
ClientSampleId :

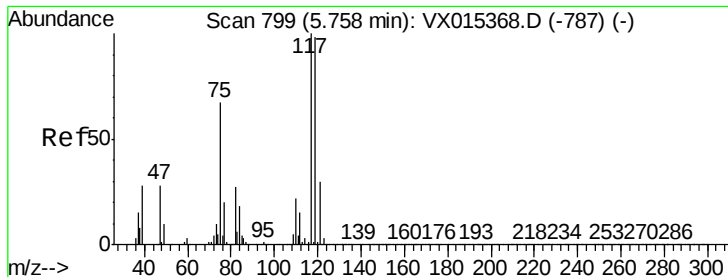
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.5	122.3
192	24.4	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015759.D

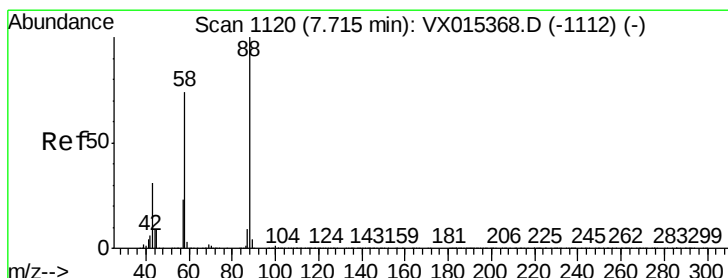
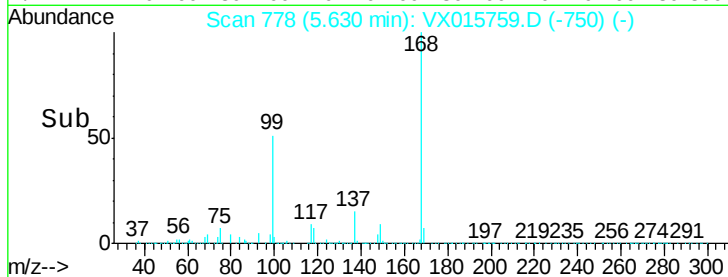
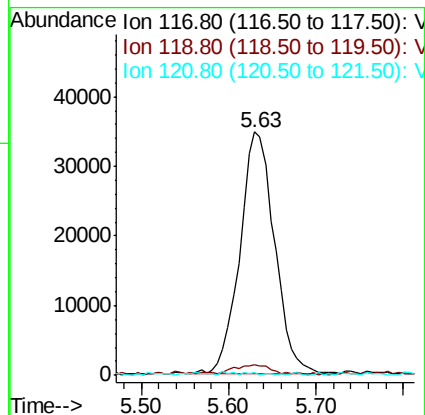
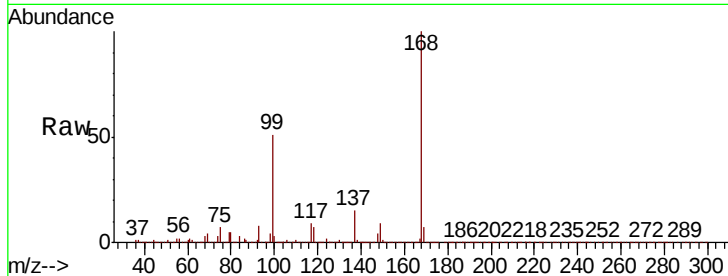
Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
119	3.4	78.0	117.0#
121	0.3	23.8	35.8#



#49

1,4-Dioxane

Concen: 1.291 ug/l

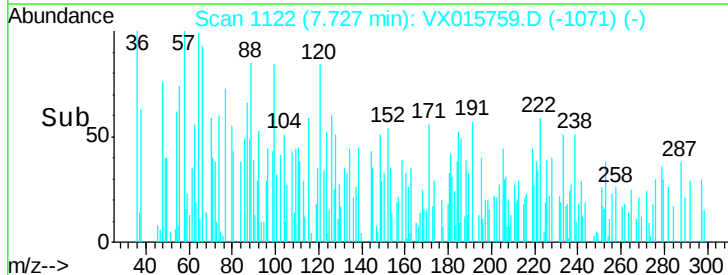
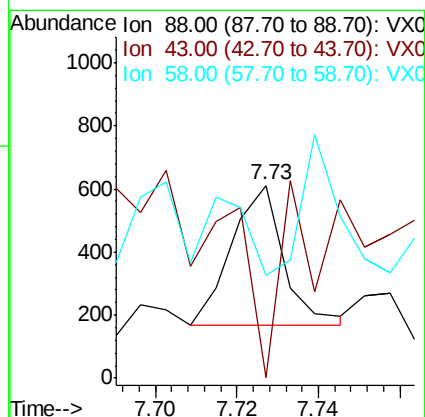
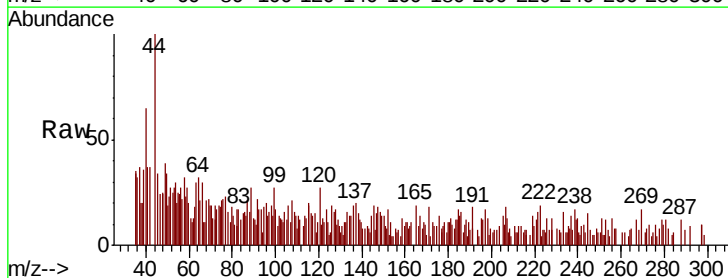
RT: 7.73 min Scan# 1122

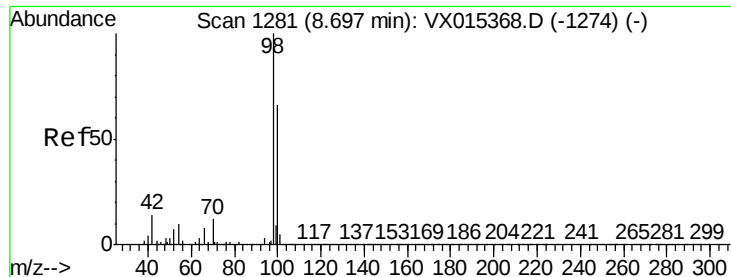
Delta R.T. 0.01 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	292.3	60.6	90.8#

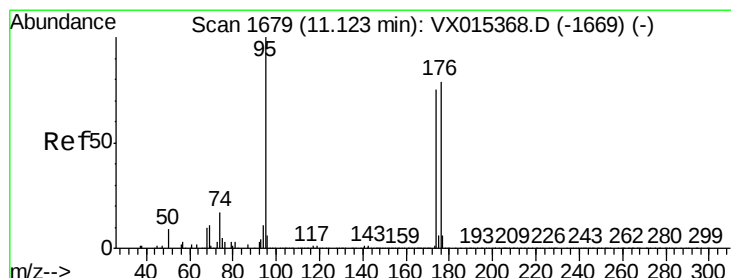
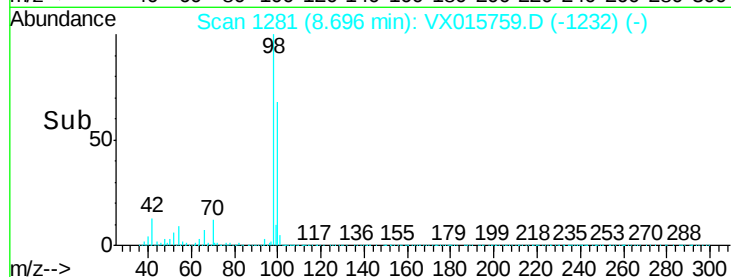
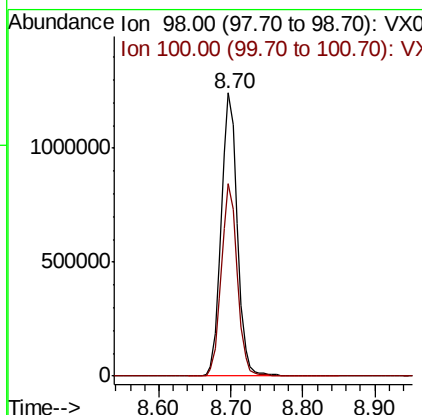
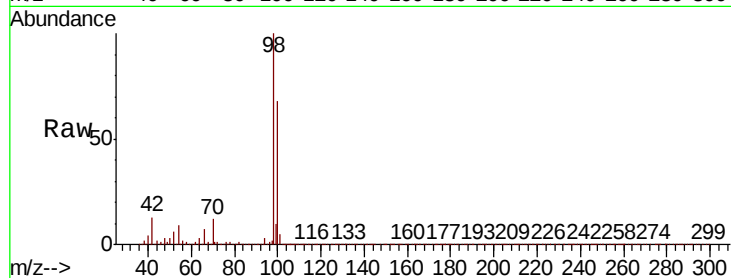




#50
Toluene-d8
Concen: 49.934 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

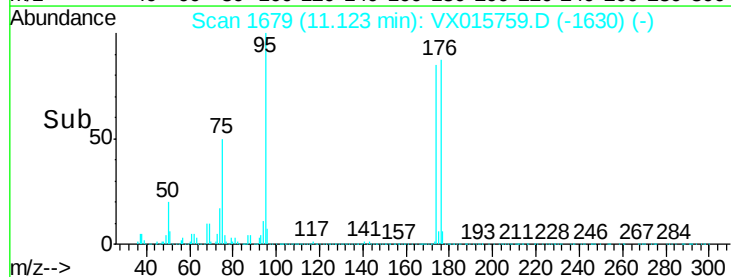
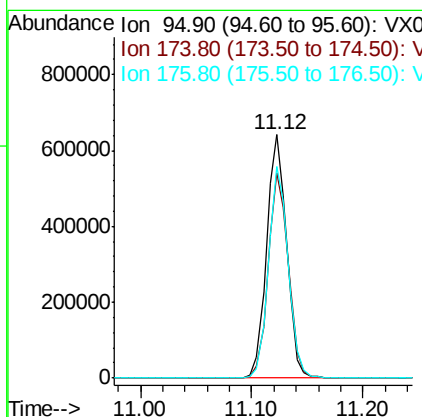
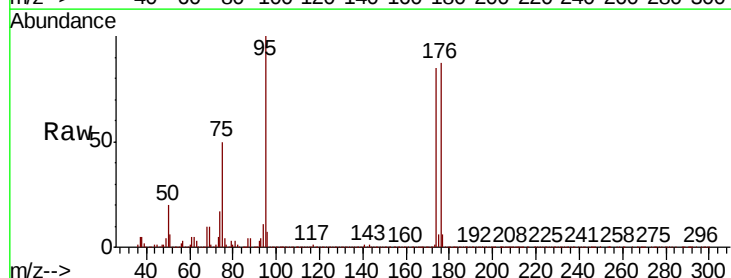
Instrument :
MSVOA_X
ClientSampleId :

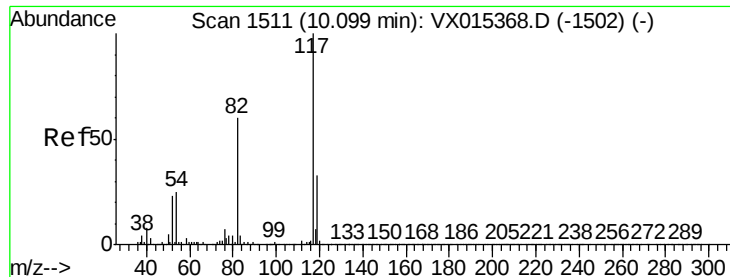
Tot Ion: 98 Resp: 1929881
Ion Ratio Lower Upper
98 100
100 67.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 51.748 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

Tgt Ion: 95 Resp: 812802
Ion Ratio Lower Upper
95 100
174 84.3 0.0 158.6
176 85.1 0.0 159.0

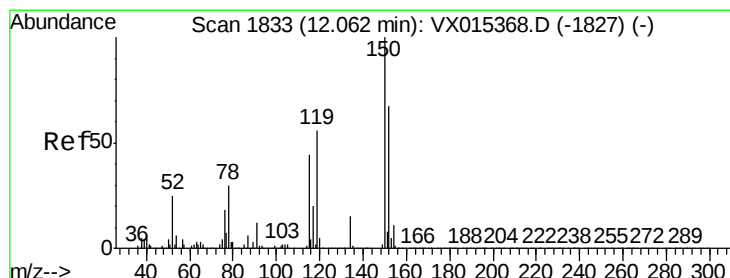
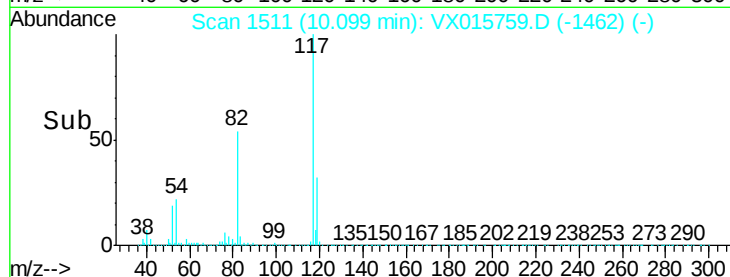
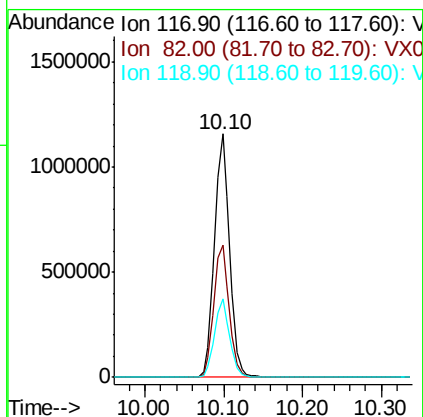
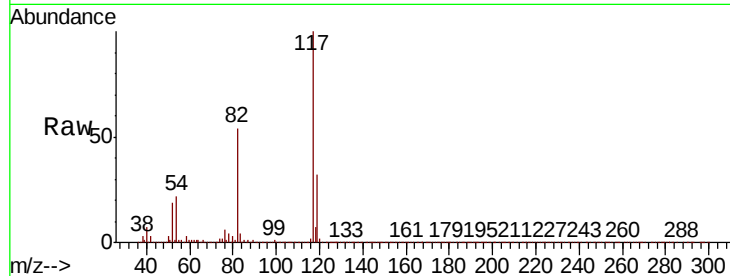




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

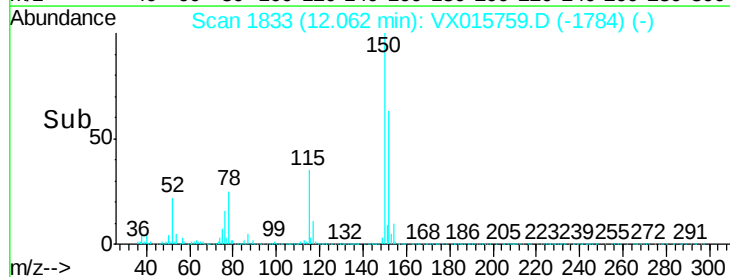
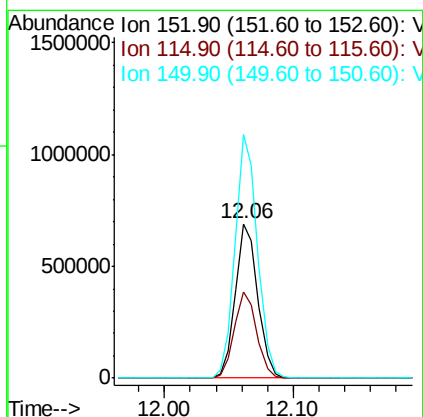
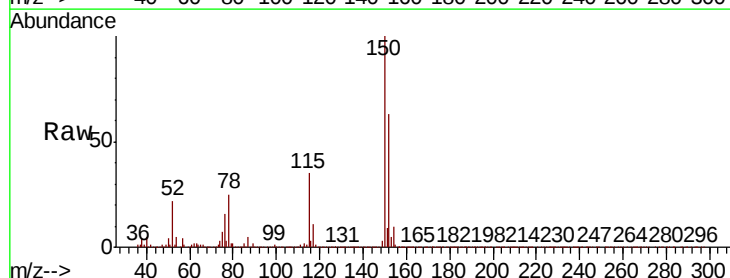
Instrument :
MSVOA_X
ClientSampleId :

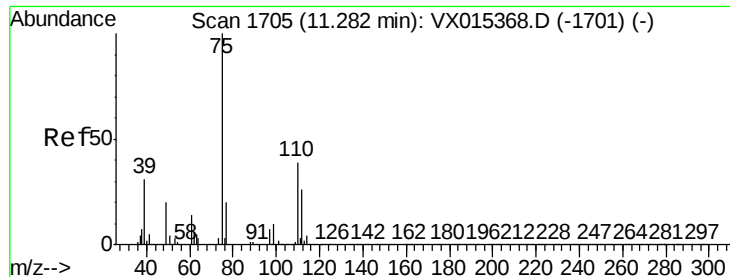
Tot Ion:117 Resp: 1549434
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.8
119 32.5 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015759.D
Acq: 20 Apr 2020 12:36

Tgt Ion:152 Resp: 837340
Ion Ratio Lower Upper
152 100
115 56.0 39.0 116.9
150 157.6 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 23.156 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Instrument :

MSVOA_X

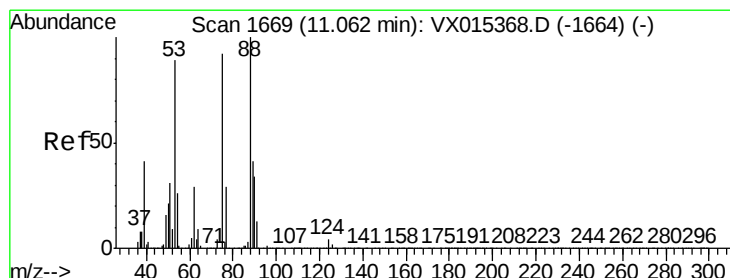
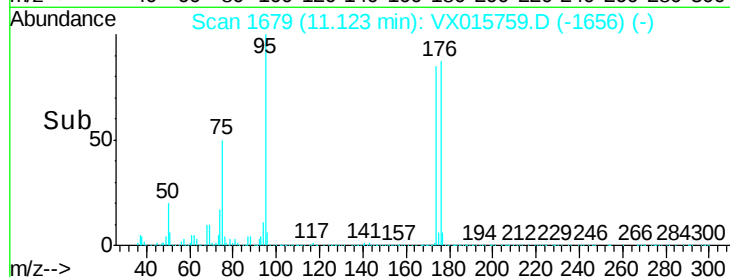
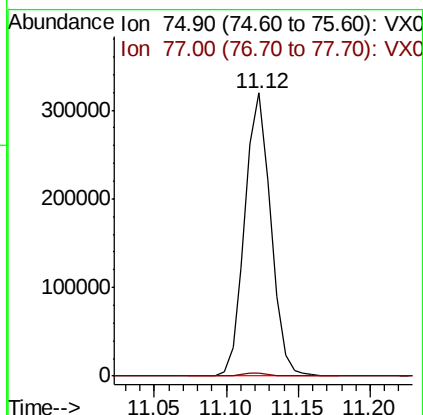
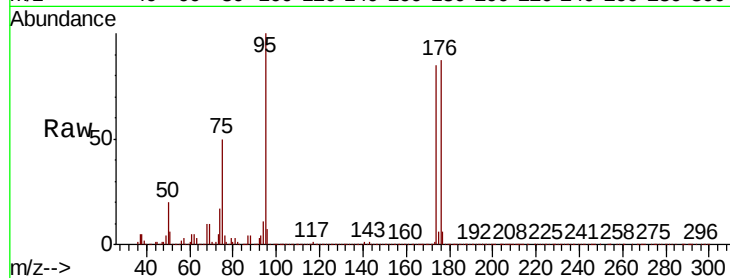
ClientSampleId :

Tot Ion: 75 Resp: 398721

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.561 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015759.D

Acq: 20 Apr 2020 12:36

Tgt Ion: 75 Resp: 398721

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.2 36.1 54.1#

