

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO042020\
 Data File : VX015767.D
 Acq On : 20 Apr 2020 15:49
 Operator : JC/SP
 Sample : L2312-01DL 5X
 Misc : 1.05µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 07:56:29 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	1013876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1542230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1494110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	878762	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	583176	40.78	ug/l	0.00
Spiked Amount			Recovery	=	81.56%	
35) Dibromofluoromethane	5.47	113	468676	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	8.70	98	1850818	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.12	95	814178	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	

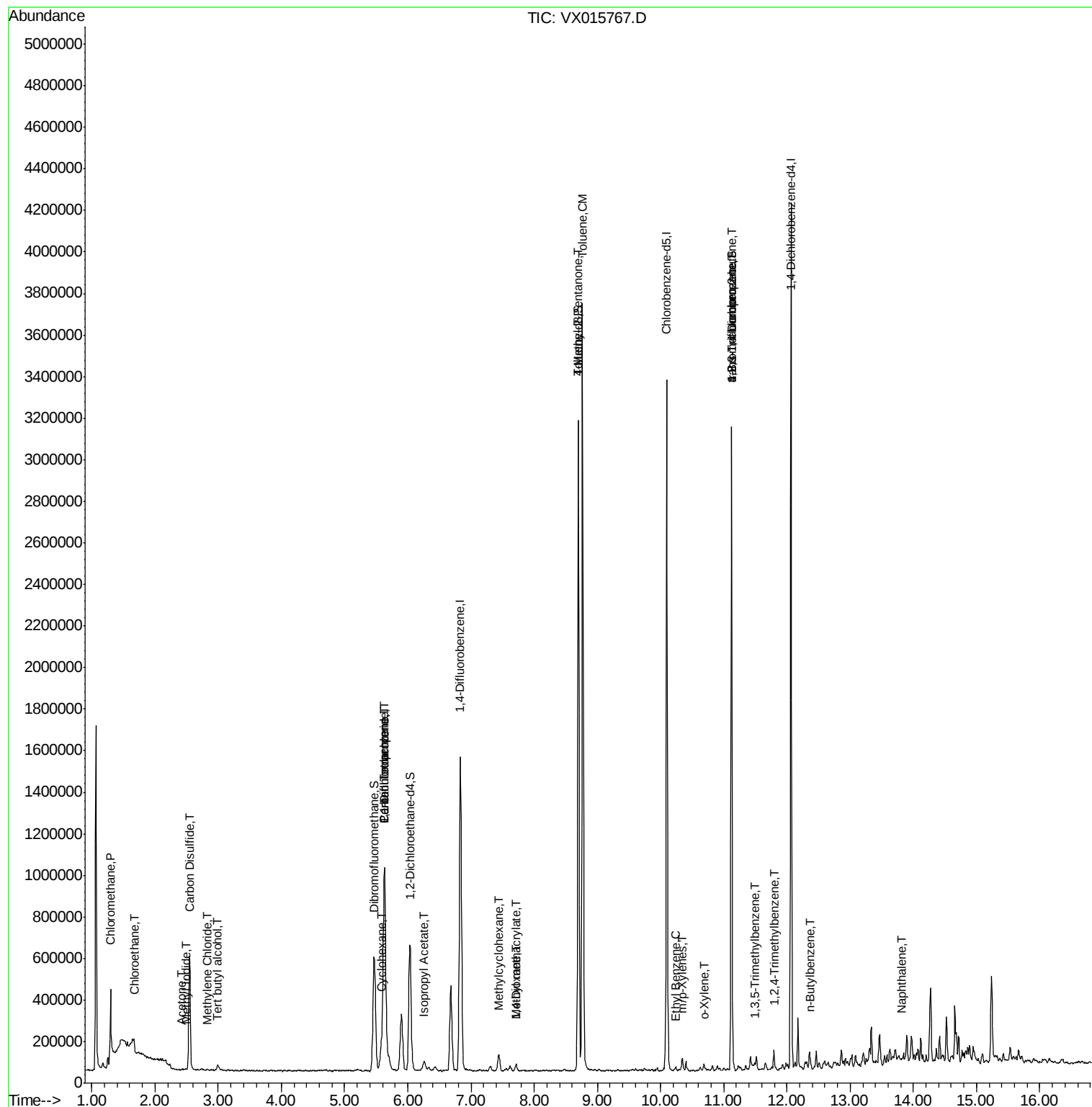
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.30	50	11198	0.984	ug/l #	43
5) Bromomethane	1.62	94	3085	Below Cal		96
6) Chloroethane	1.68	64	36487	5.632	ug/l #	47
10) Methyl Iodide	2.49	142	8407	0.683	ug/l #	90
11) Tert butyl alcohol	2.99	59	17958	5.247	ug/l #	82
16) Acetone	2.42	43	4730	0.770	ug/l	95
17) Carbon Disulfide	2.55	76	674735	23.107	ug/l	98
20) Methylene Chloride	2.83	84	2502	0.218	ug/l #	85
31) Cyclohexane	5.58	56	32819	1.813	ug/l #	44
36) 1,1-Dichloropropene	5.63	75	68272	4.805	ug/l #	53
38) Carbon Tetrachloride	5.63	117	90320	5.868	ug/l #	14
39) Methylcyclohexane	7.43	83	35433	2.163	ug/l	95
43) Isopropyl Acetate	6.26	43	41705	1.335	ug/l #	65
48) Methyl methacrylate	7.71	41	11542	0.740	ug/l #	49
49) 1,4-Dioxane	7.72	88	506	1.739	ug/l #	1
51) 4-Methyl-2-Pentanone	8.70	43	9110	0.515	ug/l #	1
52) Toluene	8.76	92	1417611	55.240	ug/l	100
67) Ethyl Benzene	10.24	91	11872	0.225	ug/l	92
68) m/p-Xylenes	10.34	106	14843	0.754	ug/l	100
69) o-Xylene	10.68	106	8633	0.444	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	397032	21.971	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	10749	0.219	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	397032	52.718	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.79	105	39522	0.789	ug/l	97
89) n-Butylbenzene	12.37	91	11195	0.240	ug/l #	59
95) Naphthalene	13.82	128	20028	0.308	ug/l	96

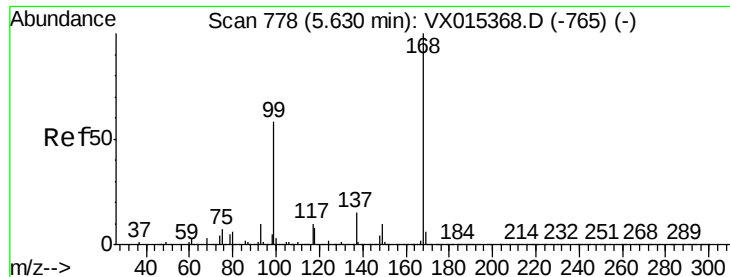
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\
Data File : VX015767.D
Acq On : 20 Apr 2020 15:49
Operator : JC/SP
Sample : L2312-01DL 5X
Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 21 07:56:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

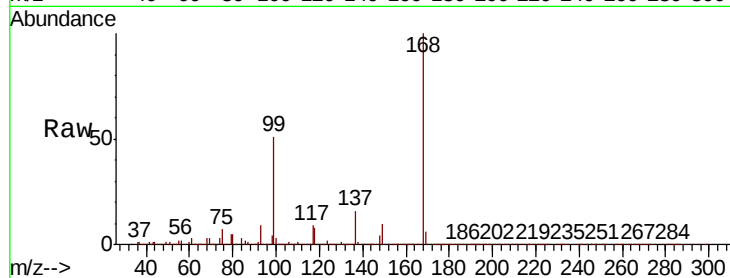
ClientSampleId :

Tot Ion:168 Resp: 1013876

Ion Ratio Lower Upper

168 100

99 50.8 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

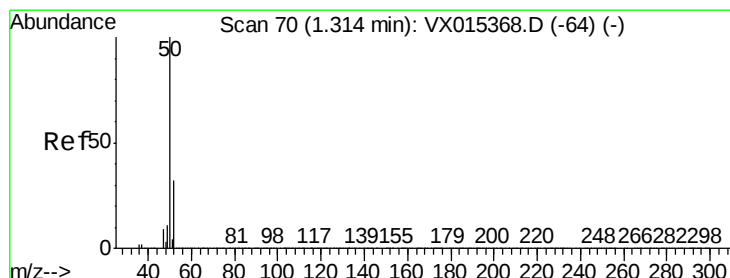
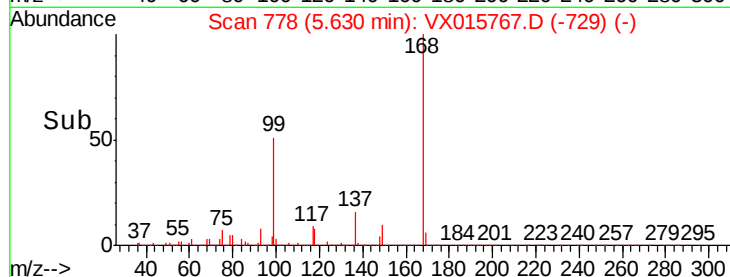
300000

200000

100000

0

Time--> 5.40 5.60 5.80



#3

Chloromethane

Concen: 0.984 ug/l

RT: 1.30 min Scan# 67

Delta R.T. -0.02 min

Lab File: VX015767.D

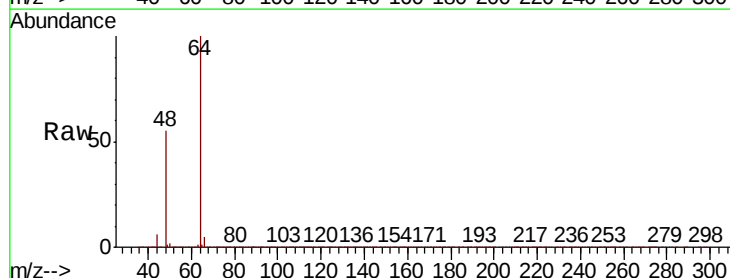
Acq: 20 Apr 2020 15:49

Tgt Ion: 50 Resp: 11198

Ion Ratio Lower Upper

50 100

52 0.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.30

6000

5000

4000

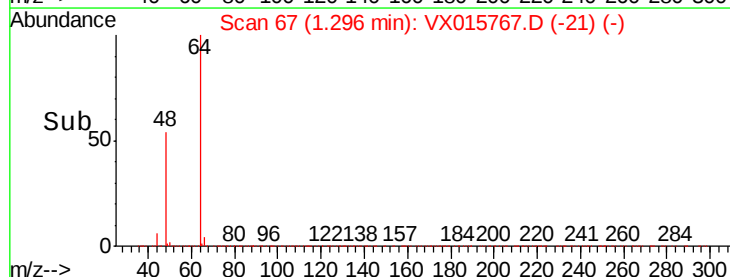
3000

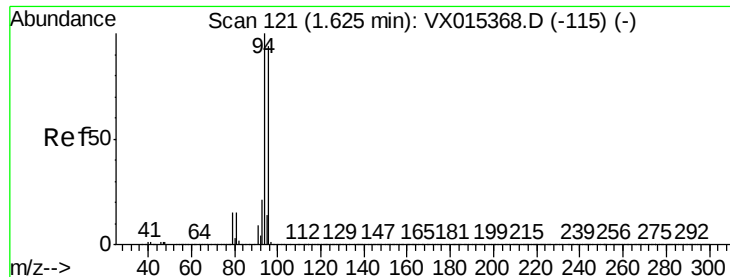
2000

1000

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

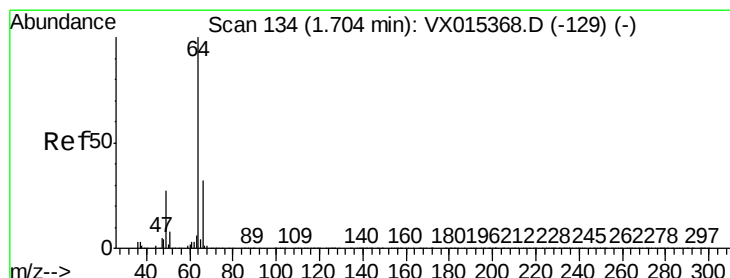
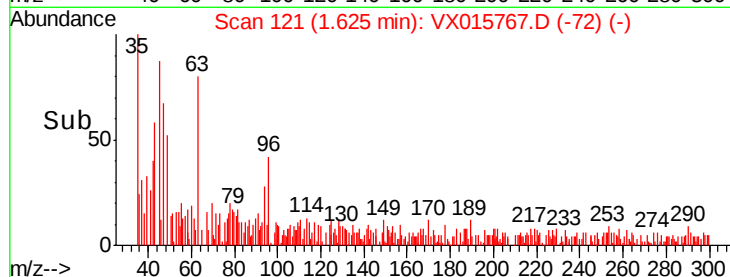
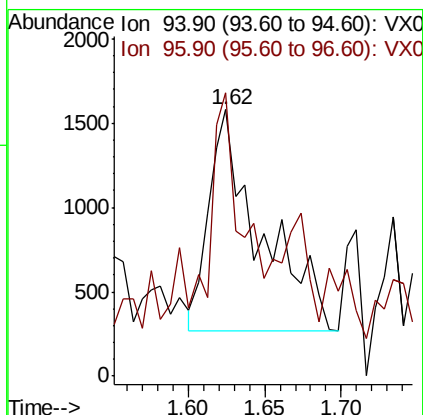
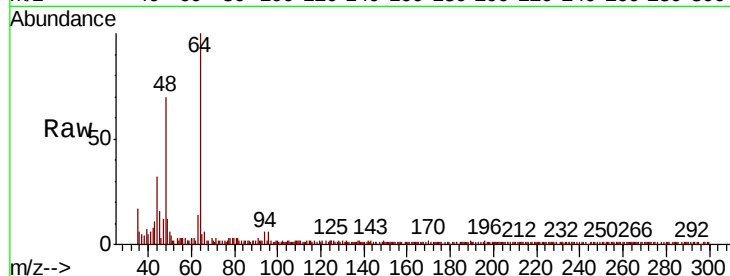
ClientSampleId :

Tot Ion: 94 Resp: 3085

Ion Ratio Lower Upper

94 100

96 97.0 74.8 112.2



#6

Chloroethane

Concen: 5.632 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.02 min

Lab File: VX015767.D

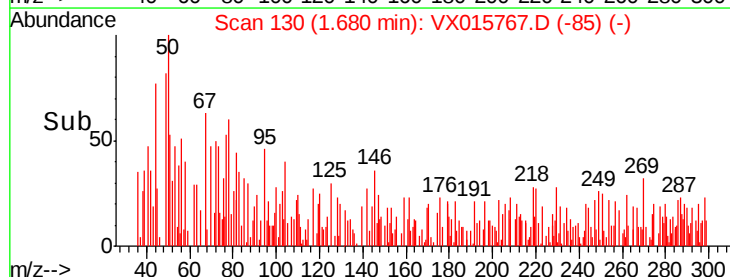
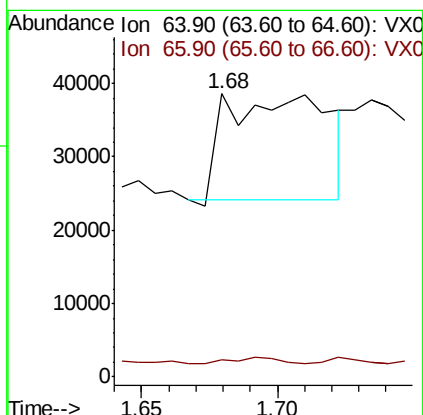
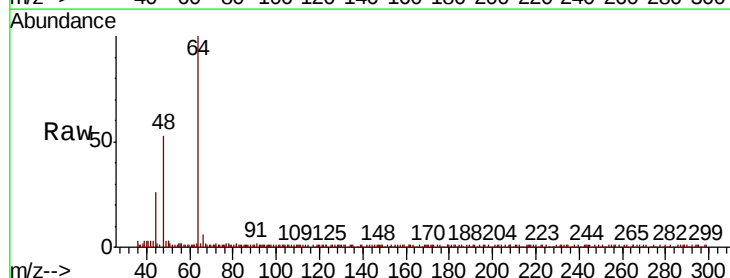
Acq: 20 Apr 2020 15:49

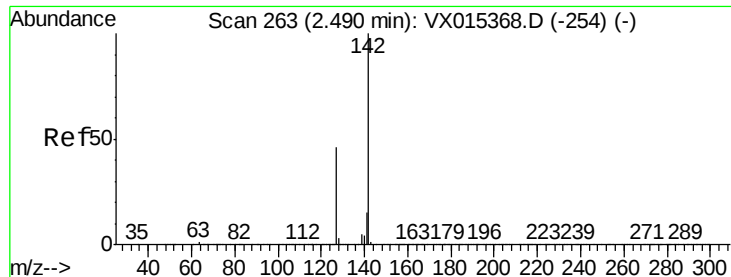
Tgt Ion: 64 Resp: 36487

Ion Ratio Lower Upper

64 100

66 2.5 25.4 38.2#

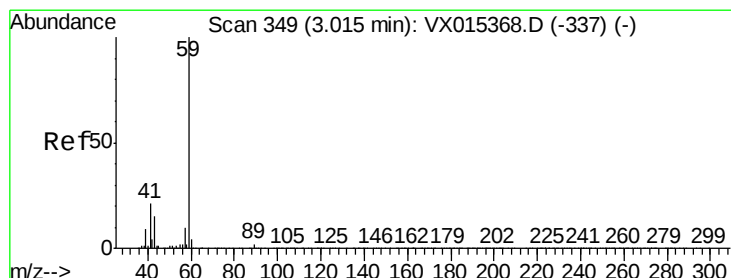
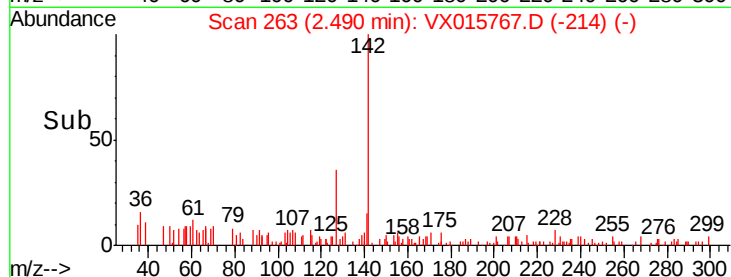
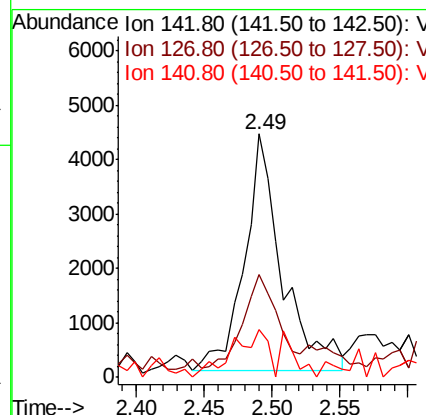
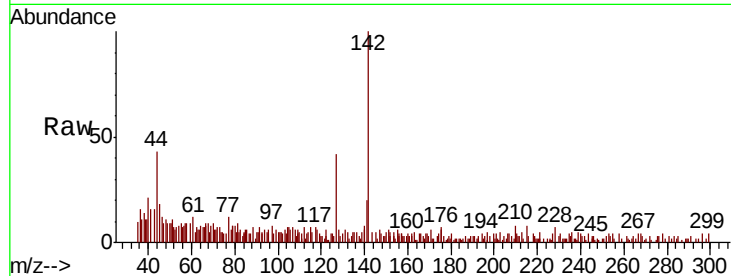




#10
Methvl Iodide
Concen: 0.683 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

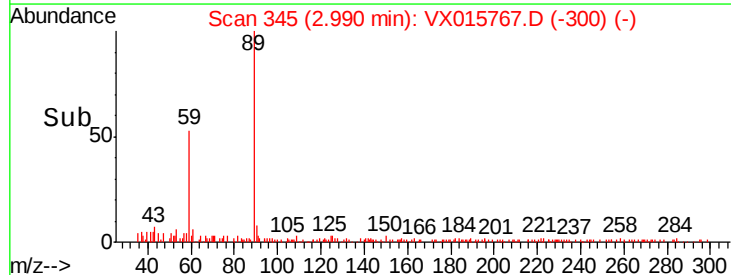
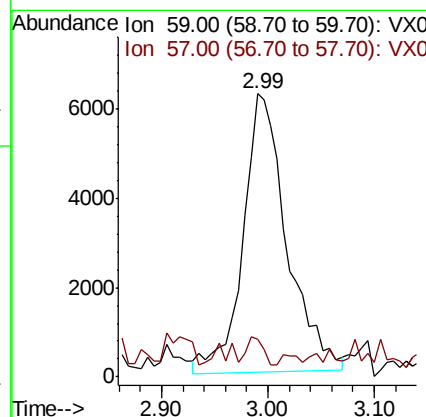
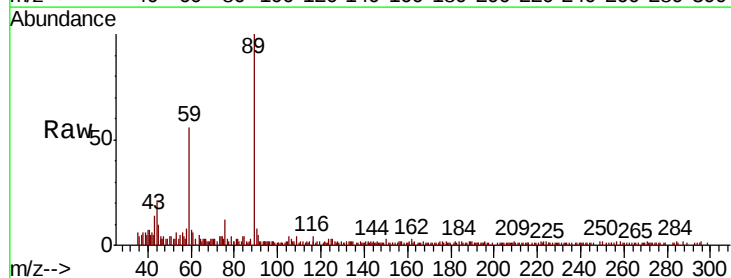
Instrument :
MSVOA_X
ClientSampleId :

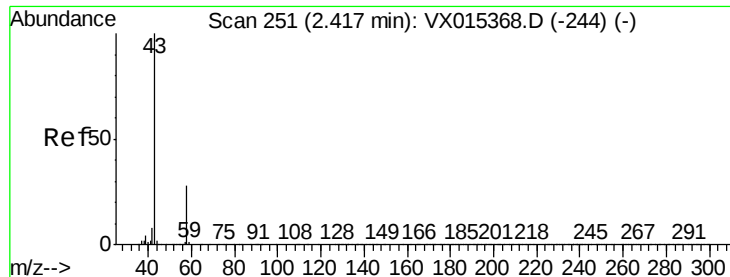
Tot Ion	Ratio	Lower	Upper
142	100		
127	38.1	35.9	53.9
141	18.7	11.6	17.4#



#11
Tert butyl alcohol
Concen: 5.247 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.5	8.1	12.1#

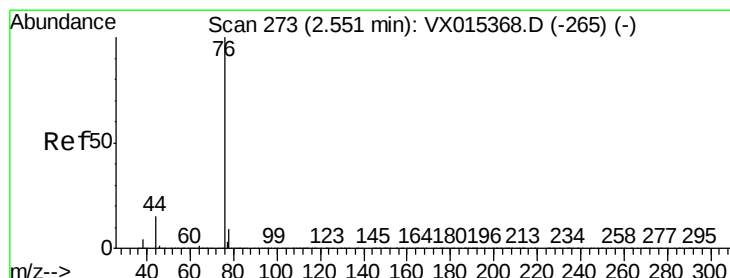
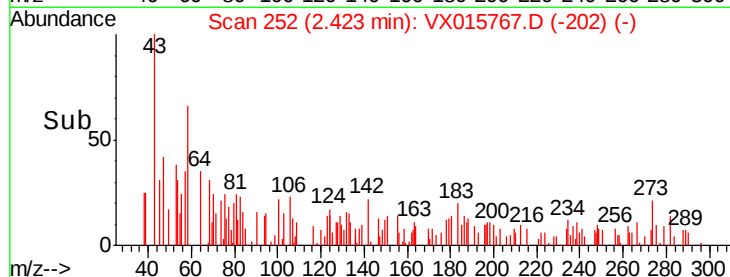
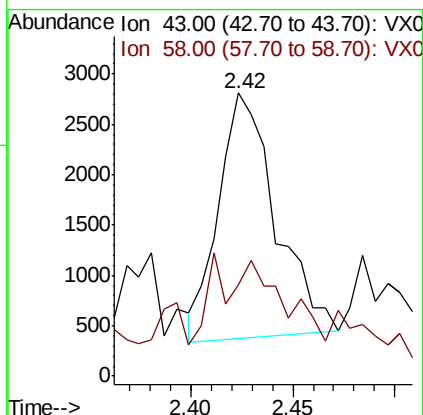
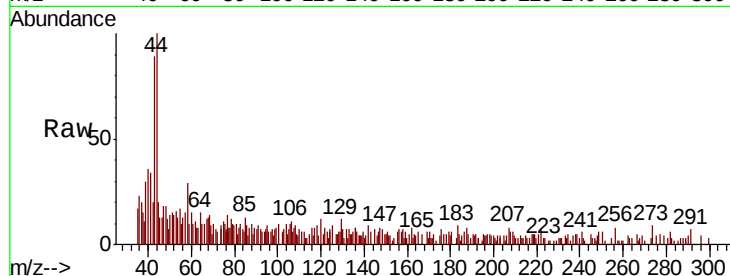




#16
Acetone
Concen: 0.770 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

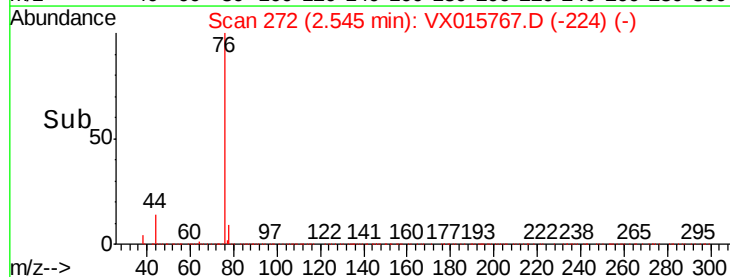
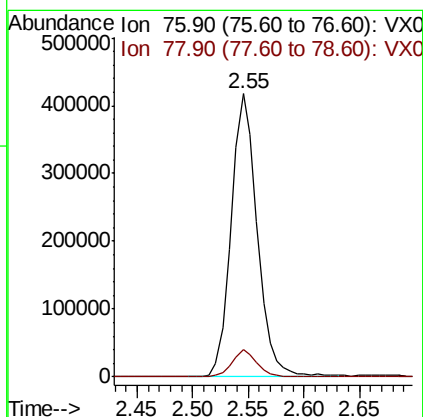
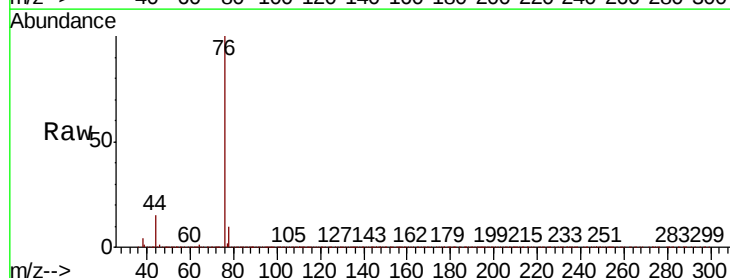
Instrument :
MSVOA_X
ClientSampleId :

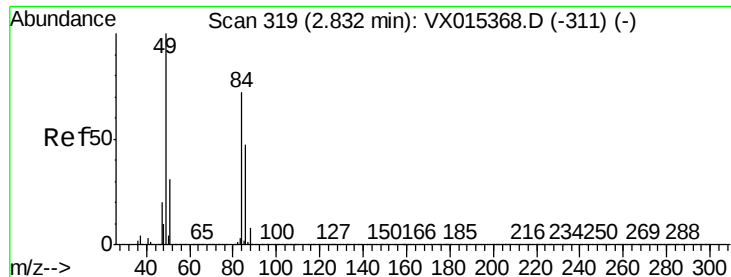
Tot Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
58 25.2 22.1 33.1



#17
Carbon Disulfide
Concen: 23.107 ug/l
RT: 2.55 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion: 76 Resp: 674735
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

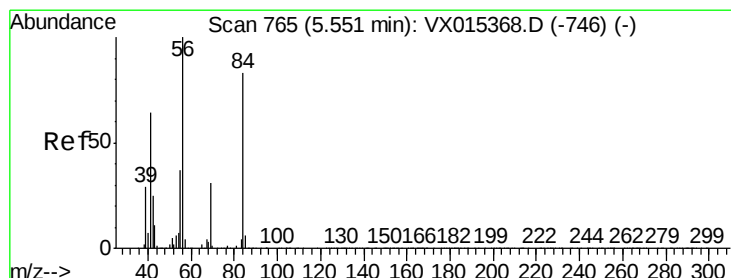
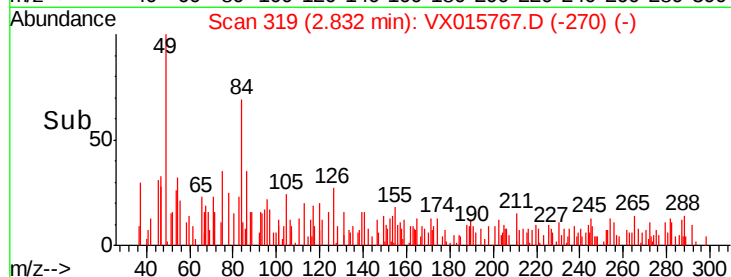
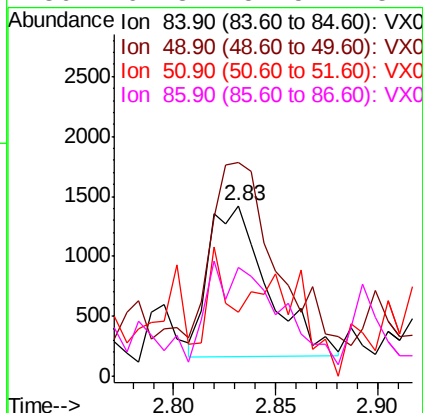
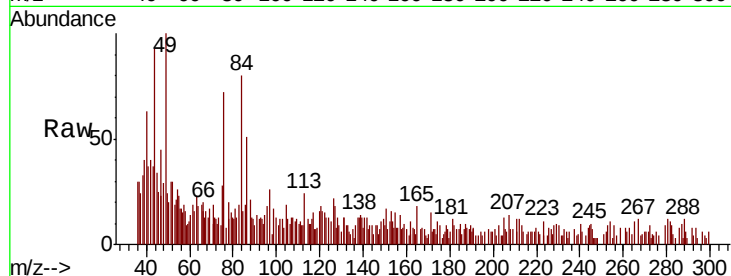




#20
Methvlene Chloride
Concen: 0.218 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

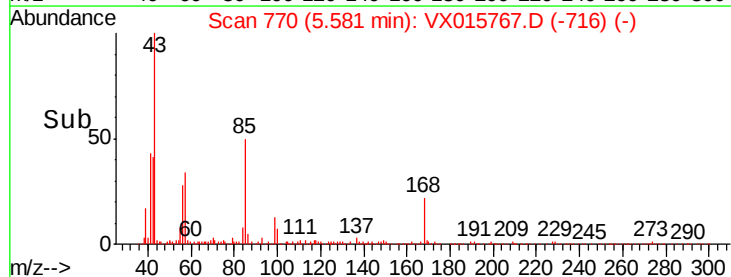
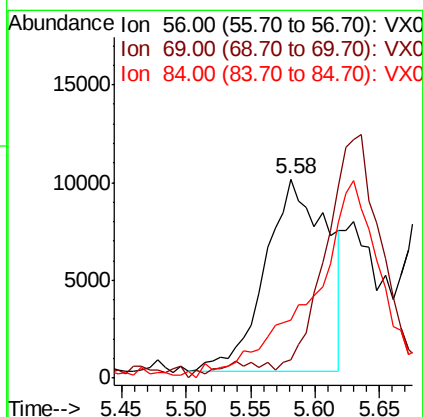
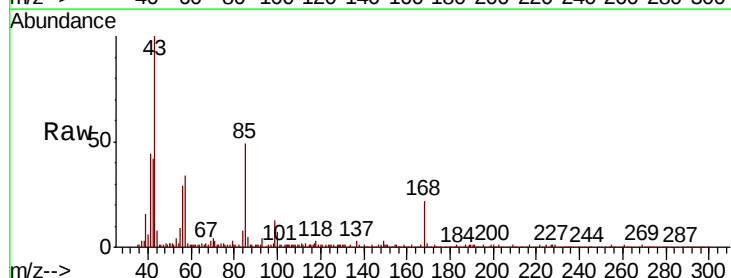
Instrument :
MSVOA_X
ClientSampleId :

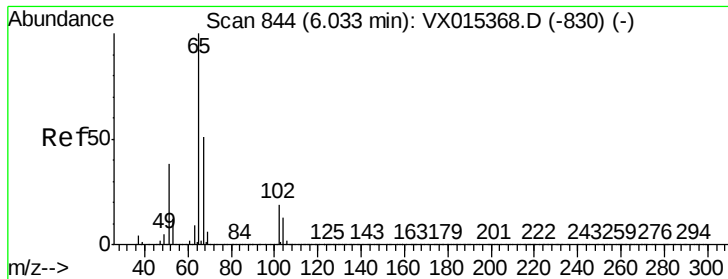
Tot Ion:	84	Resp:	2502
Ion	Ratio	Lower	Upper
84	100		
49	119.5	111.3	166.9
51	21.8	34.0	51.0#
86	64.3	52.5	78.7



#31
Cyclohexane
Concen: 1.813 ug/l
RT: 5.58 min Scan# 770
Delta R.T. 0.03 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion:	56	Resp:	32819
Ion	Ratio	Lower	Upper
56	100		
69	9.7	24.6	36.8#
84	26.3	66.1	99.1#

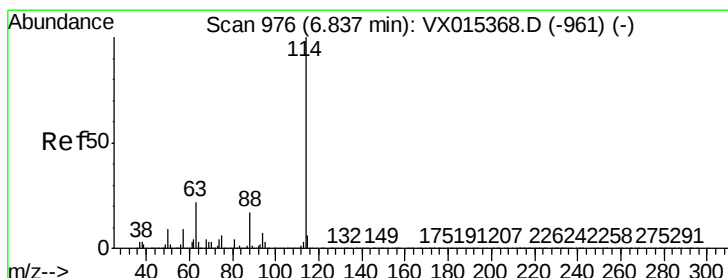
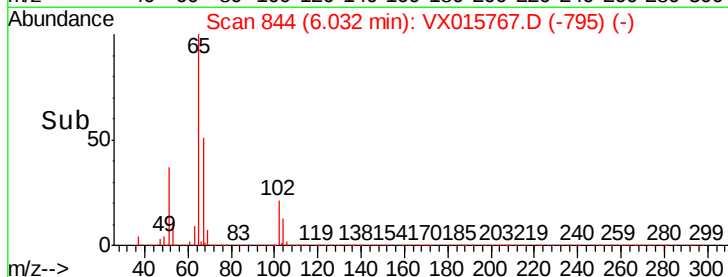
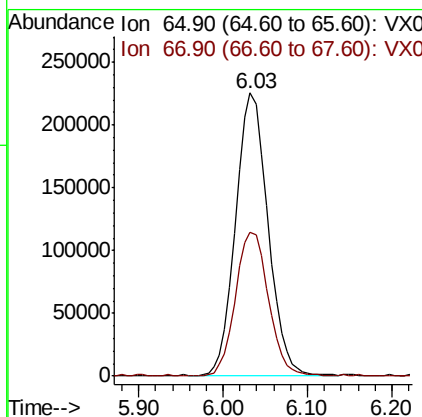
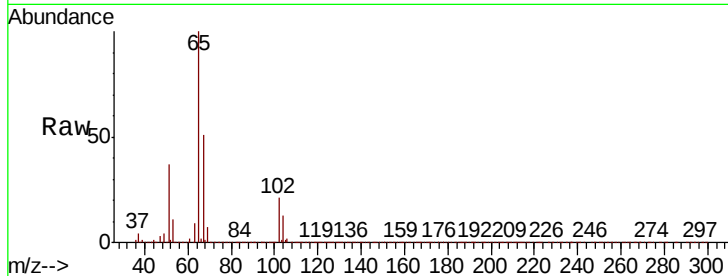




#33
 1,2-Dichloroethane-d4
 Concen: 40.783 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015767.D
 Acq: 20 Apr 2020 15:49

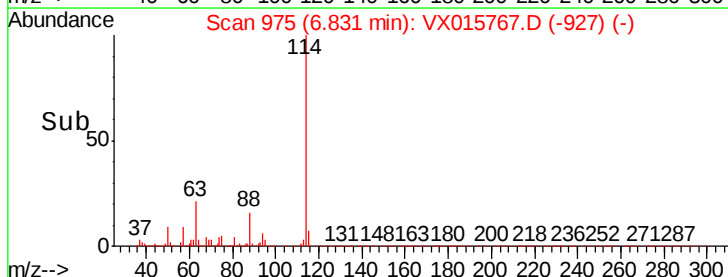
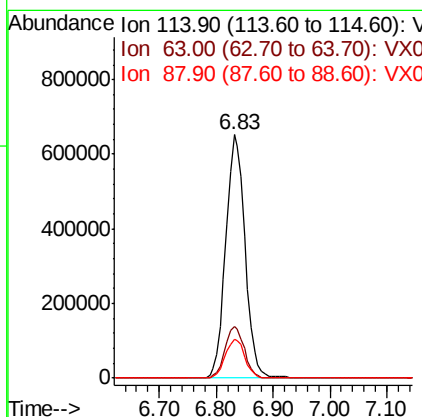
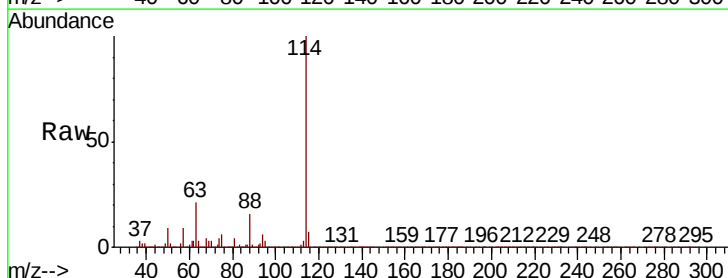
Instrument :
 MSVOA_X
 ClientSampled :

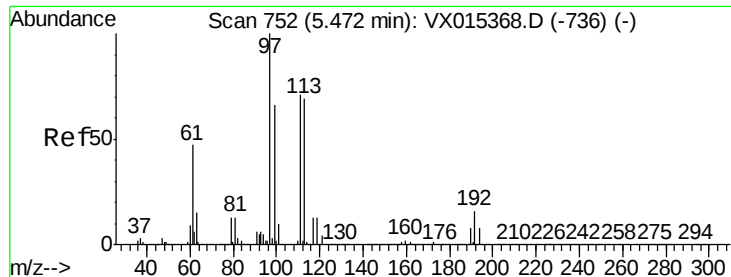
Tot Ion: 65 Resp: 583176
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015767.D
 Acq: 20 Apr 2020 15:49

Tgt Ion: 114 Resp: 1542230
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.2
 88 16.1 0.0 33.8

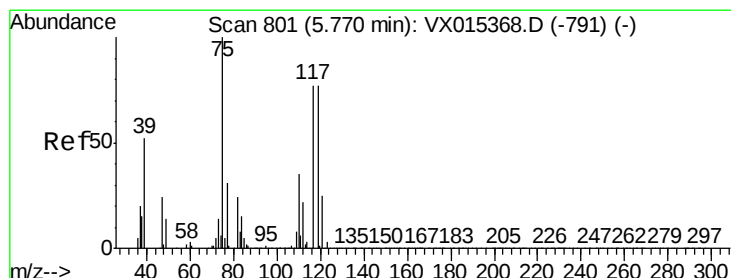
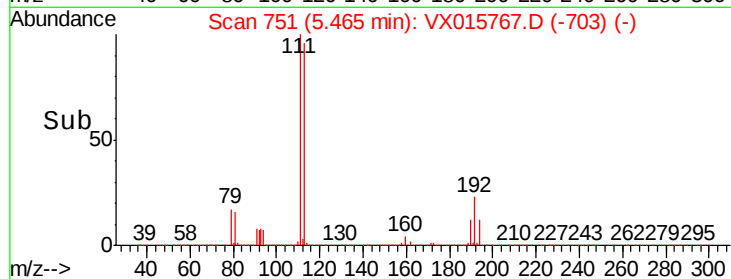
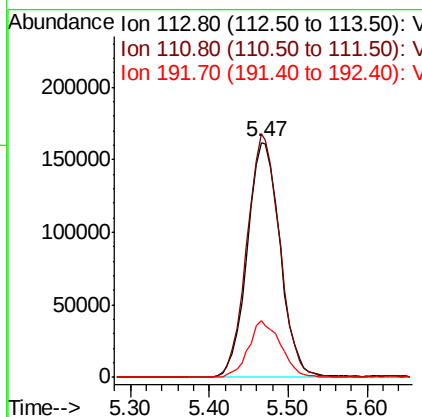
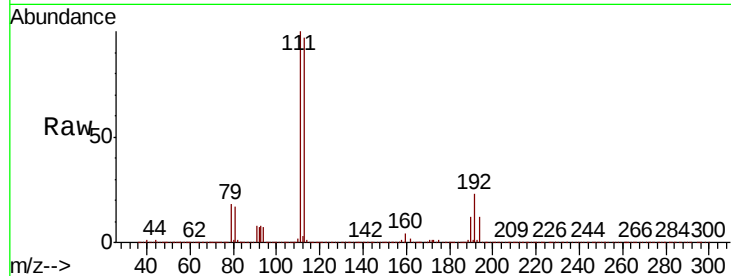




#35
 Dibromofluoromethane
 Concen: 47.541 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015767.D
 Acq: 20 Apr 2020 15:49

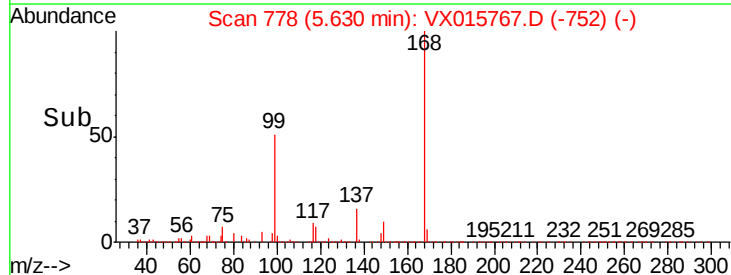
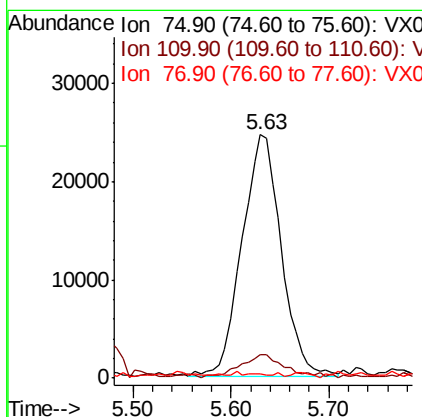
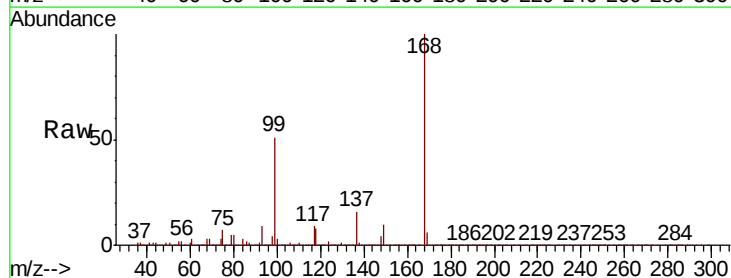
Instrument :
 MSVOA_X
 ClientSampleId :

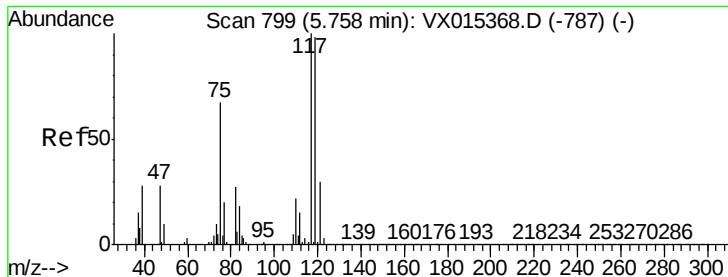
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	23.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015767.D
 Acq: 20 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

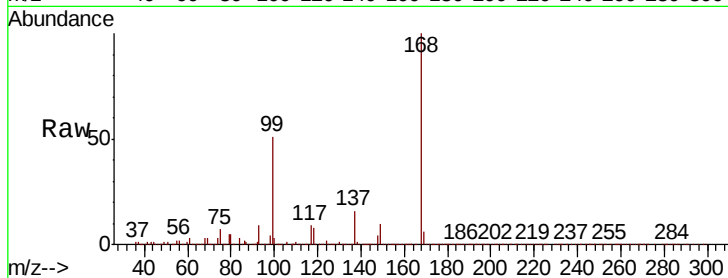
Tot Ion:117 Resp: 90320

Ion Ratio Lower Upper

117 100

119 3.5 78.0 117.0#

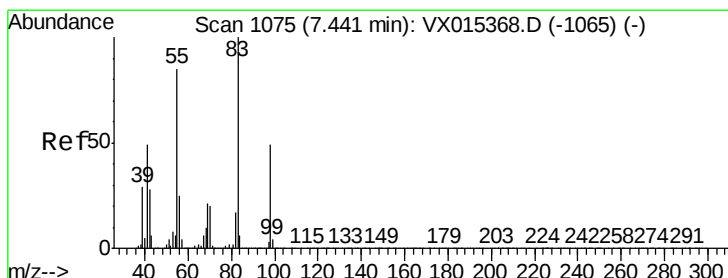
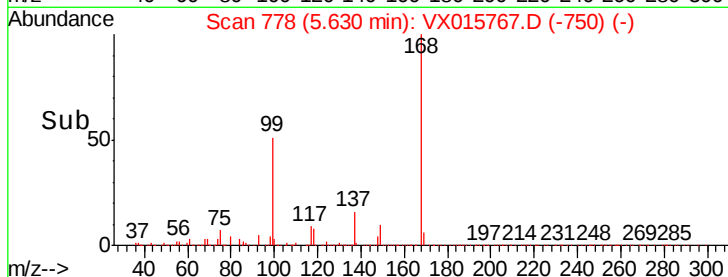
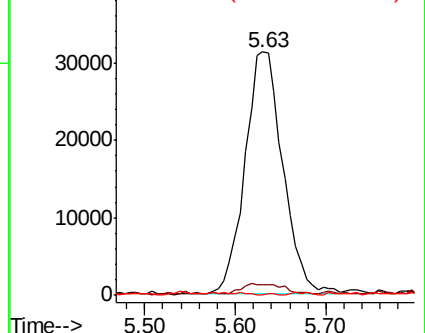
121 0.0 23.8 35.8#



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



#39

Methylcyclohexane

Concen: 2.163 ug/l

RT: 7.43 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

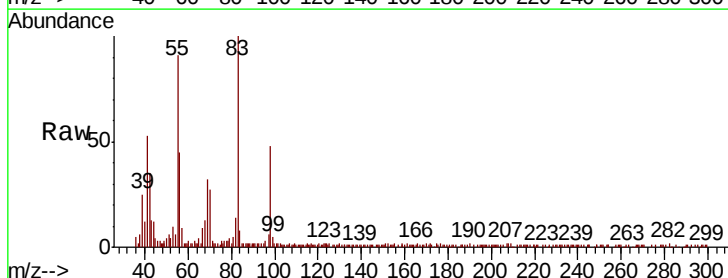
Tgt Ion: 83 Resp: 35433

Ion Ratio Lower Upper

83 100

55 91.5 67.8 101.6

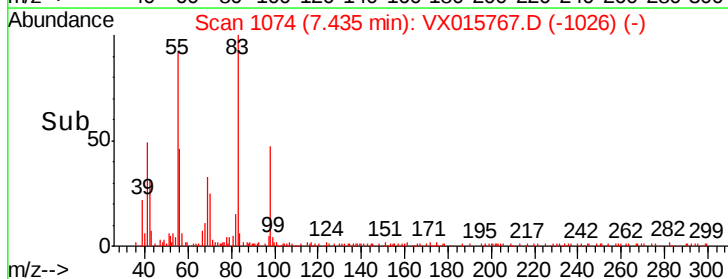
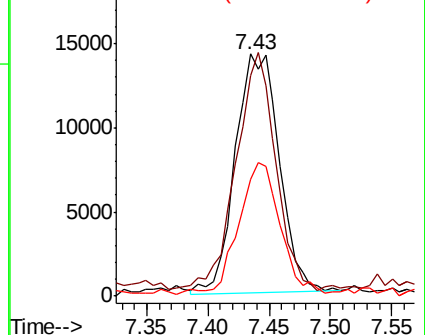
98 47.8 39.3 58.9

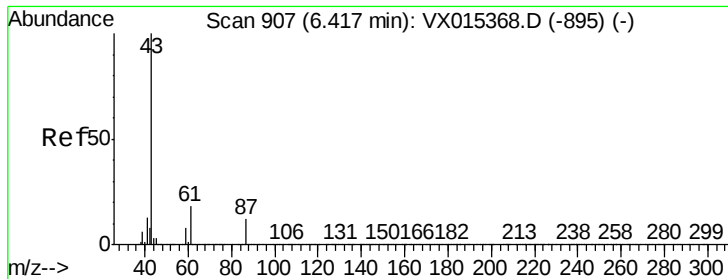


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 1.335 ug/l

RT: 6.26 min Scan# 881

Delta R.T. -0.16 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

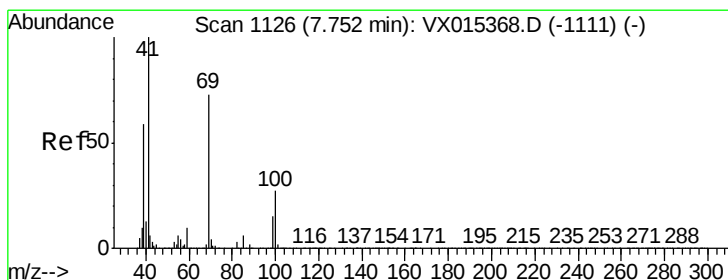
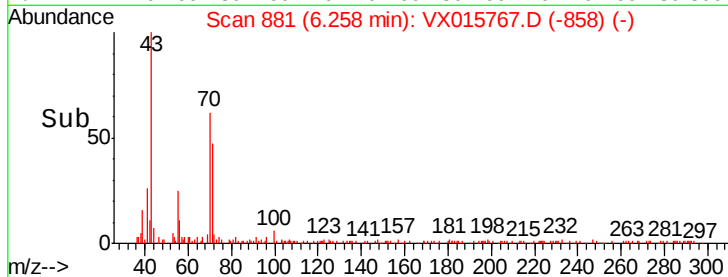
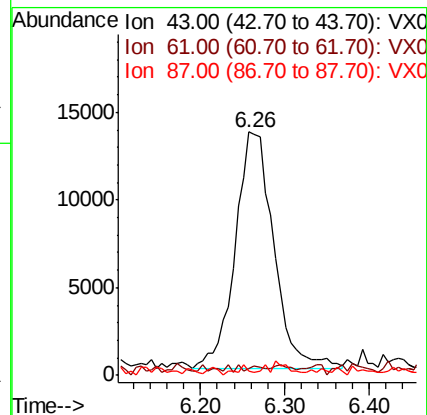
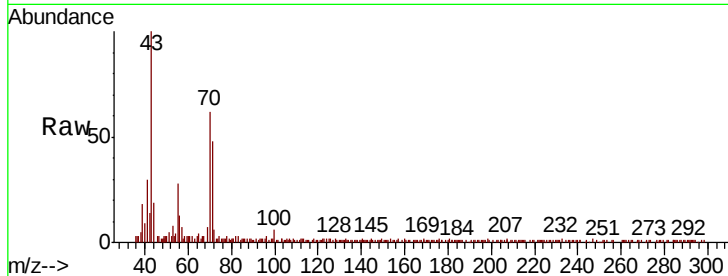
Tot Ion: 43 Resp: 41705

Ion Ratio Lower Upper

43 100

61 0.4 14.8 22.2#

87 1.4 9.4 14.0#



#48

Methyl methacrylate

Concen: 0.740 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.04 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

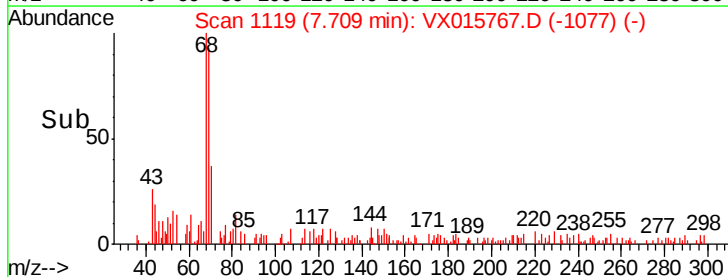
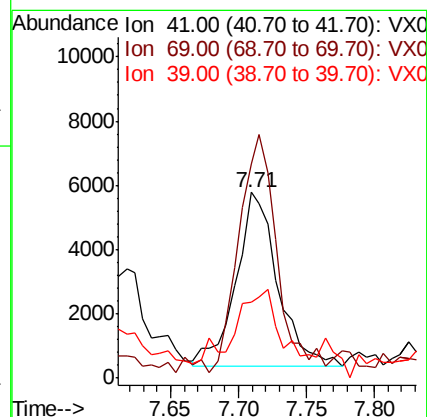
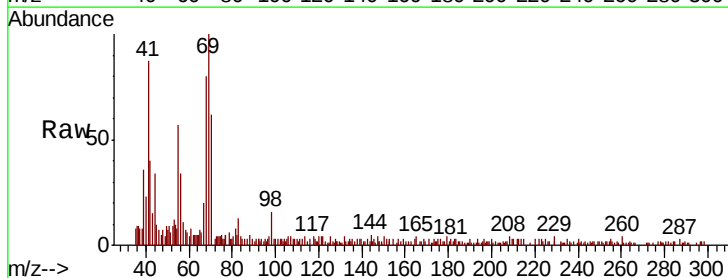
Tgt Ion: 41 Resp: 11542

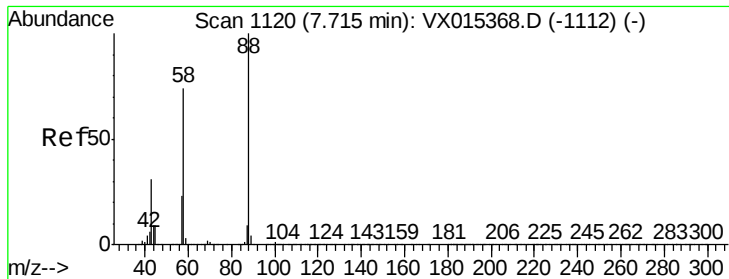
Ion Ratio Lower Upper

41 100

69 125.3 56.7 85.1#

39 33.7 46.5 69.7#





#49

1,4-Dioxane

Concen: 1.739 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

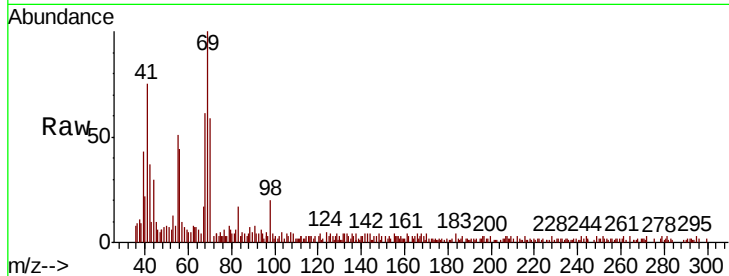
Tot Ion: 88 Resp: 506

Ion Ratio Lower Upper

88 100

43 219.4 30.1 45.1#

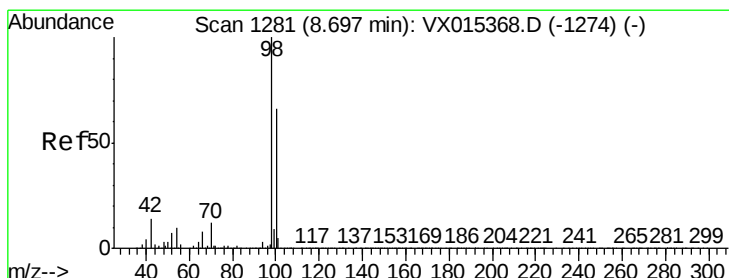
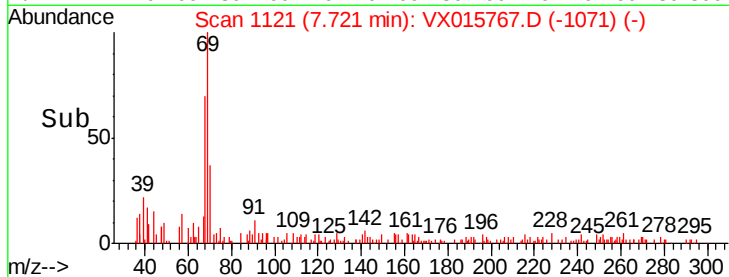
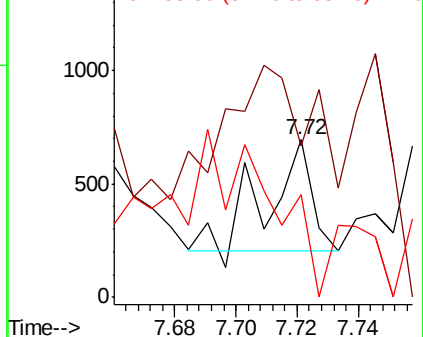
58 0.0 60.6 90.8#



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: 50.993 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015767.D

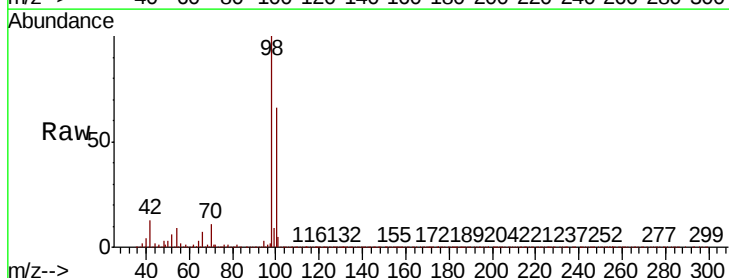
Acq: 20 Apr 2020 15:49

Tgt Ion: 98 Resp: 1850818

Ion Ratio Lower Upper

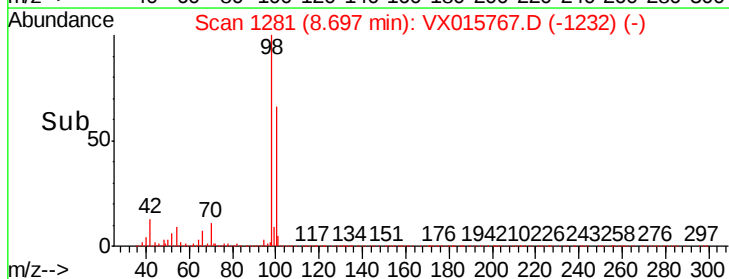
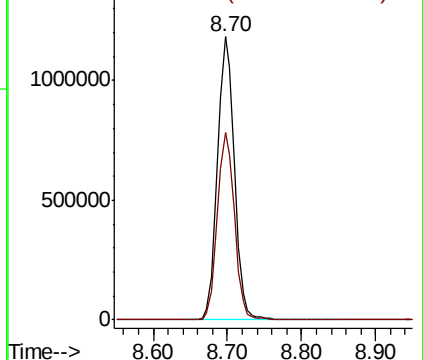
98 100

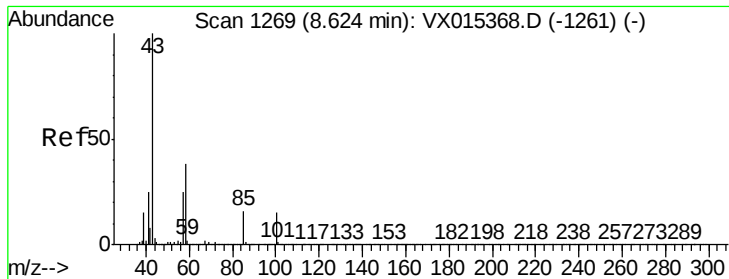
100 66.8 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

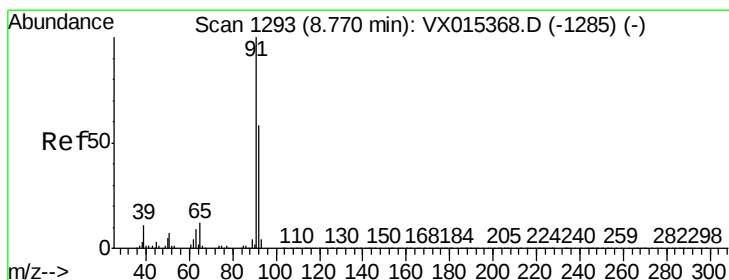
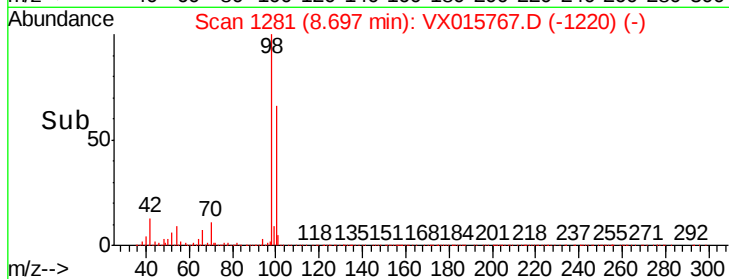
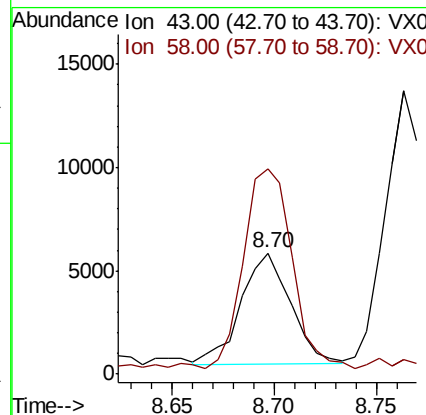
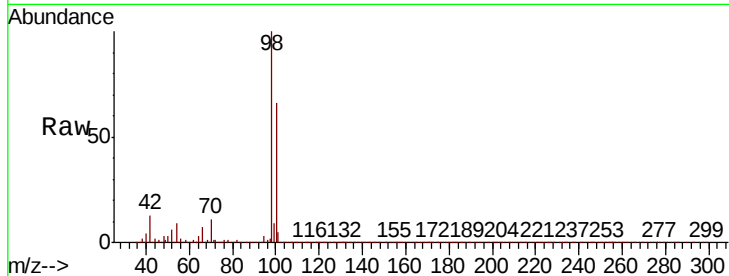




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.07 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

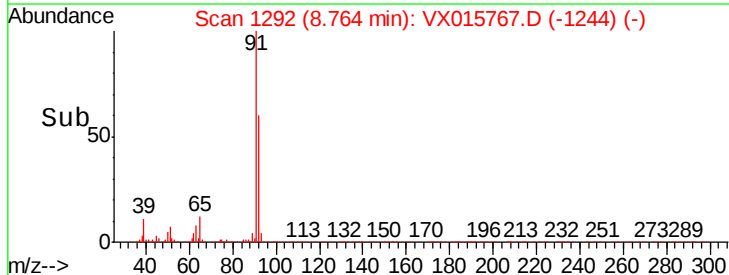
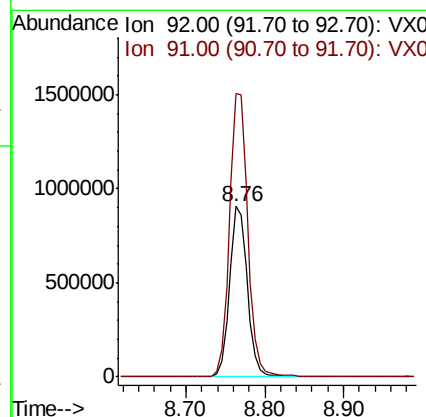
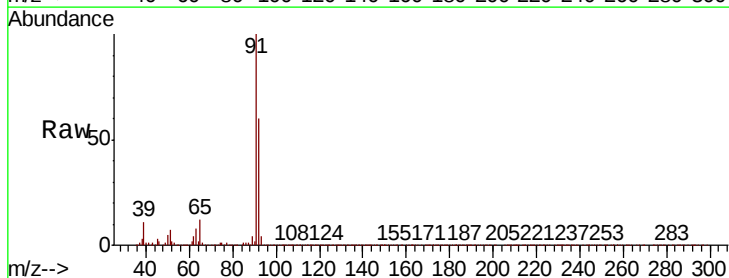
Instrument :
MSVOA_X
ClientSampleId :

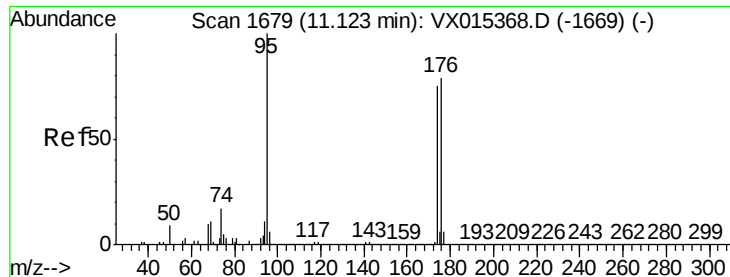
Tot Ion: 43 Resp: 9110
Ion Ratio Lower Upper
43 100
58 176.5 29.7 44.5#



#52
Toluene
Concen: 55.240 ug/l
RT: 8.76 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion: 92 Resp: 1417611
Ion Ratio Lower Upper
92 100
91 170.7 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 55.196 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

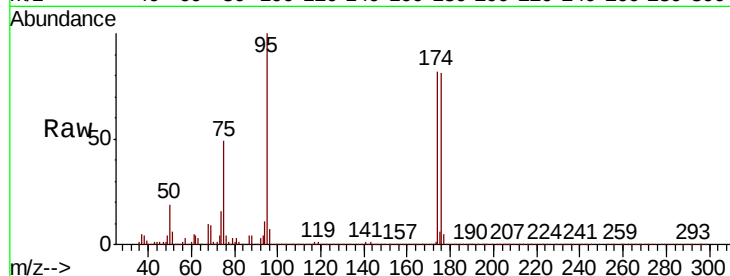
Tot Ion: 95 Resp: 814178

Ion Ratio Lower Upper

95 100

174 84.7 0.0 158.6

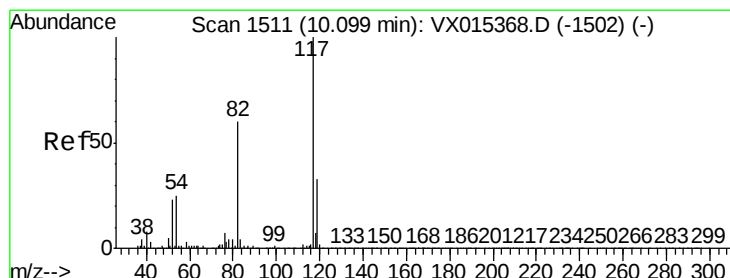
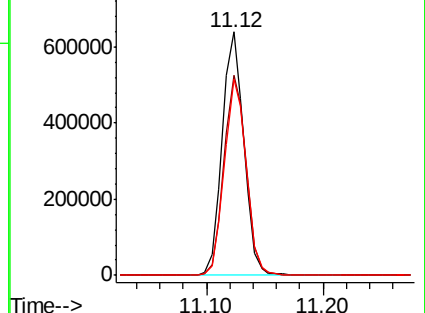
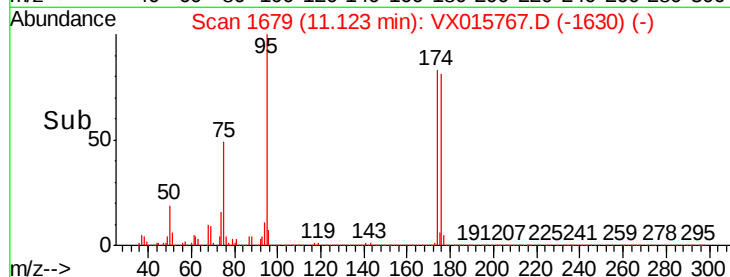
176 81.8 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015767.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015767.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015767.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

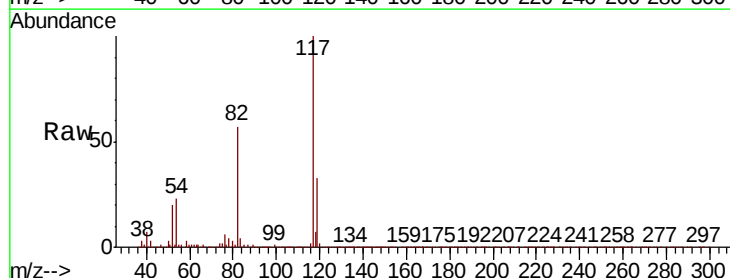
Tgt Ion: 117 Resp: 1494110

Ion Ratio Lower Upper

117 100

82 57.2 47.8 71.8

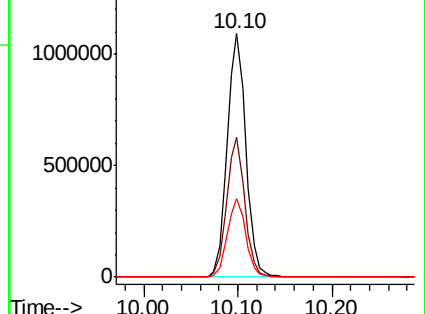
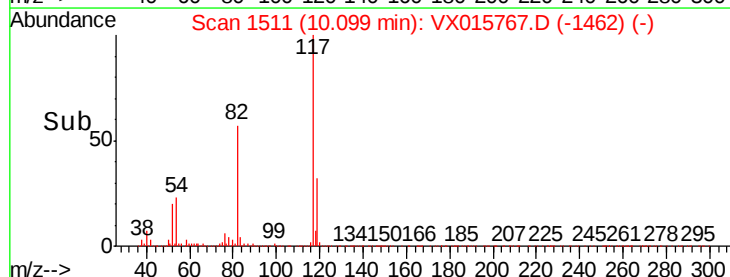
119 32.5 26.8 40.2

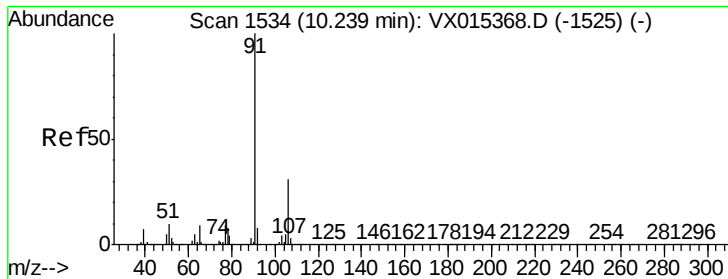


Abundance Ion 116.90 (116.60 to 117.60): VX015767.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015767.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015767.D (-1462) (-)

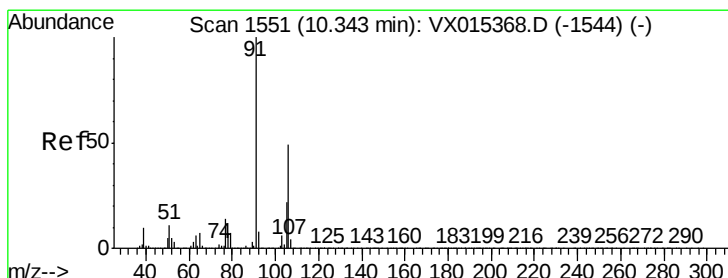
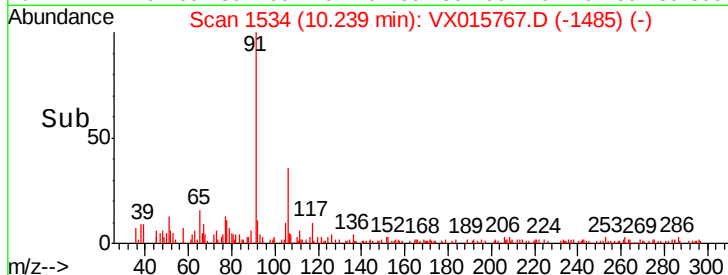
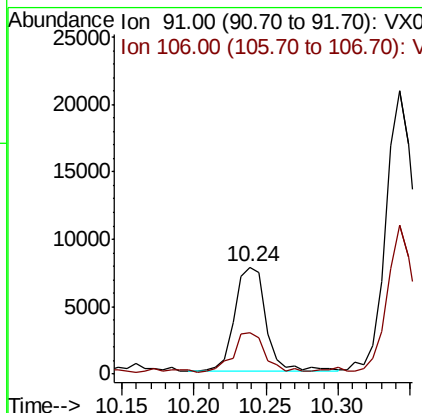
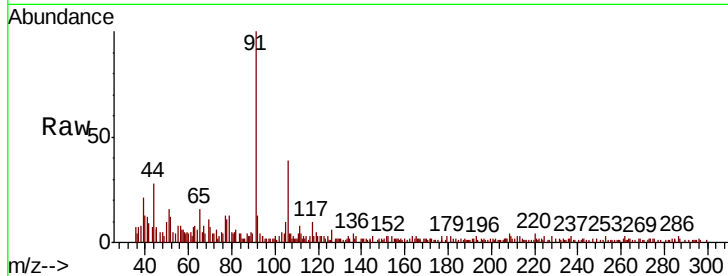




#67
Ethyl Benzene
Concen: 0.225 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

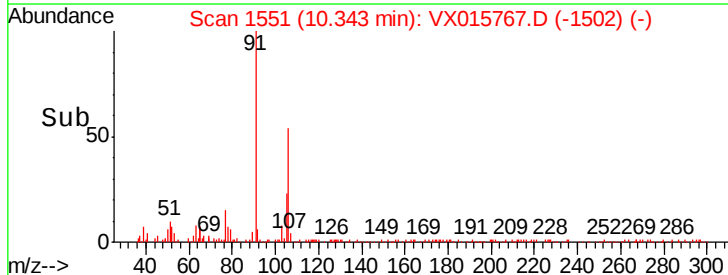
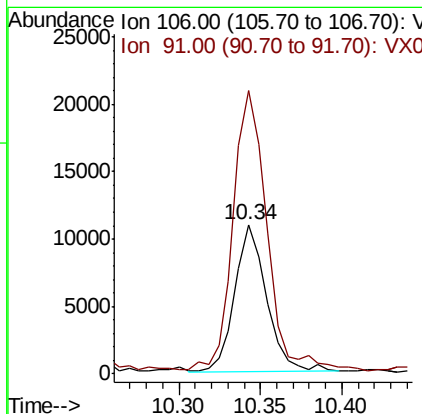
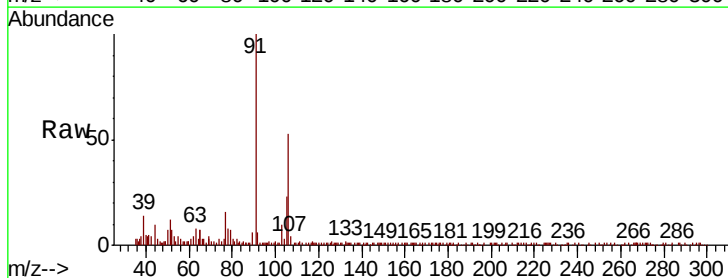
Instrument :
MSVOA_X
ClientSampled :

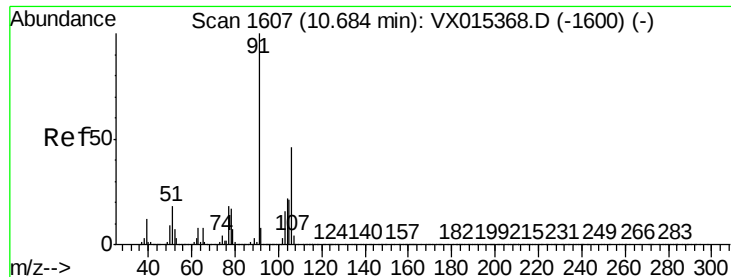
Tot Ion: 91 Resp: 11872
Ion Ratio Lower Upper
91 100
106 35.5 24.8 37.2



#68
m/p-Xylenes
Concen: 0.754 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion: 106 Resp: 14843
Ion Ratio Lower Upper
106 100
91 204.6 163.4 245.0





#69

o-Xylene

Concen: 0.444 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. -0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

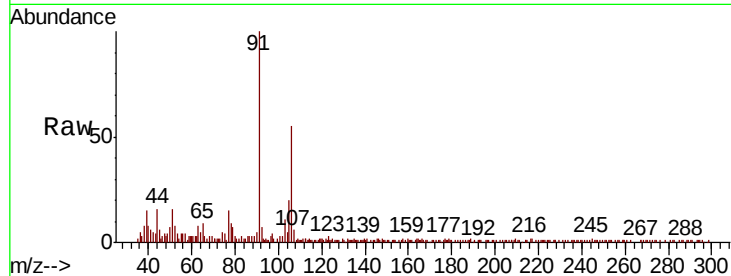
ClientSampled :

Tot Ion:106 Resp: 8633

Ion Ratio Lower Upper

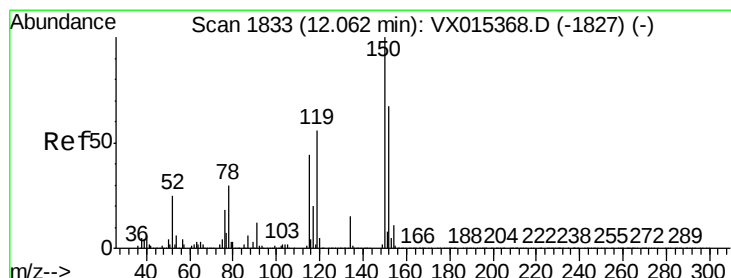
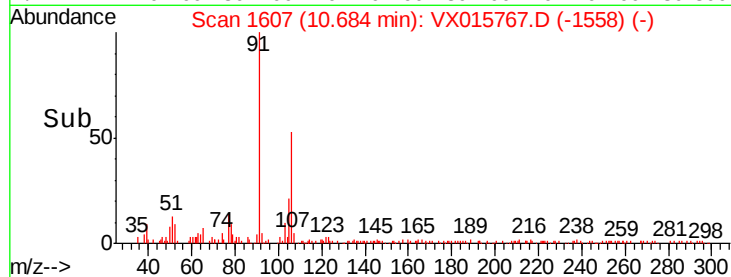
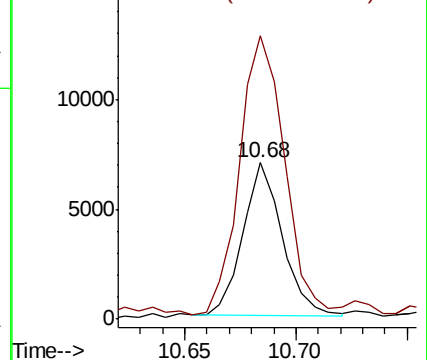
106 100

91 205.8 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

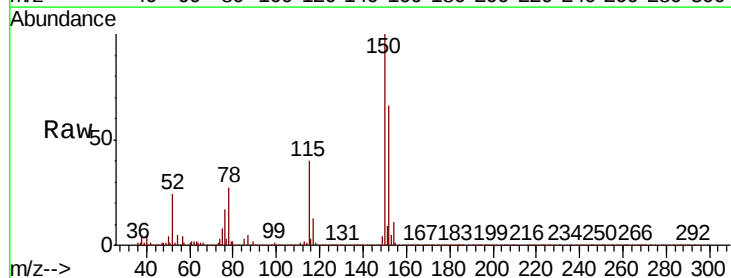
Tgt Ion:152 Resp: 878762

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

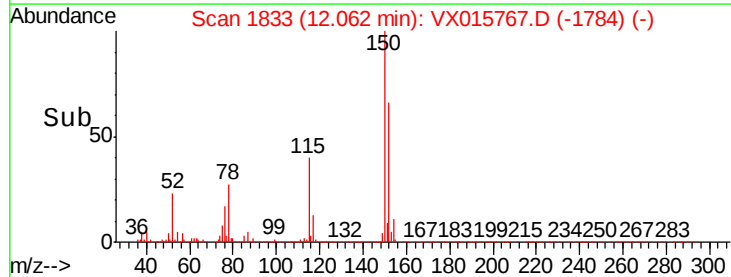
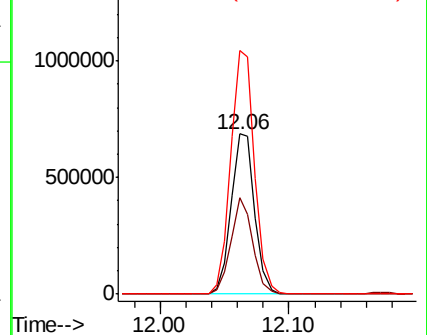
150 154.1 0.0 340.8

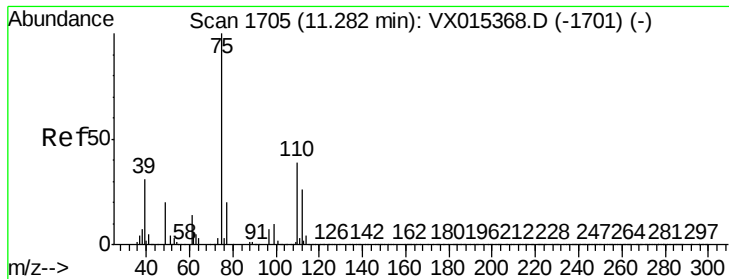


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.971 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

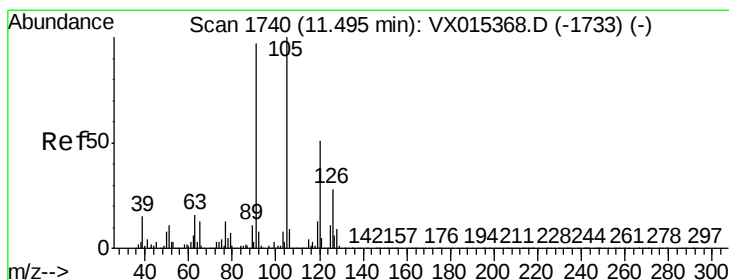
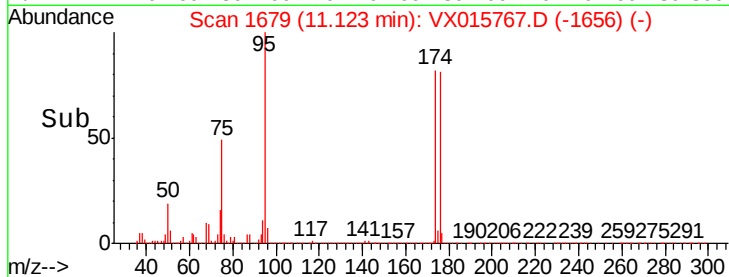
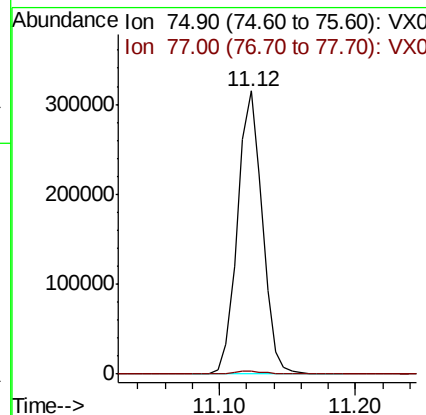
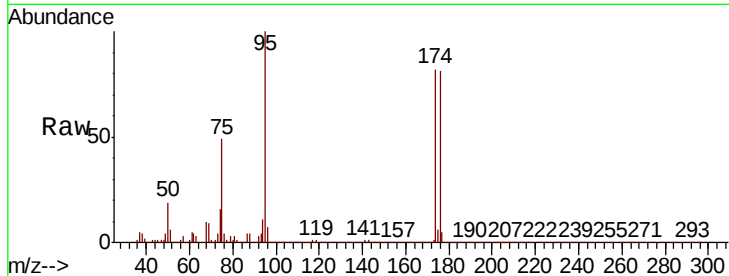
ClientSampleId :

Tot Ion: 75 Resp: 397032

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015767.D

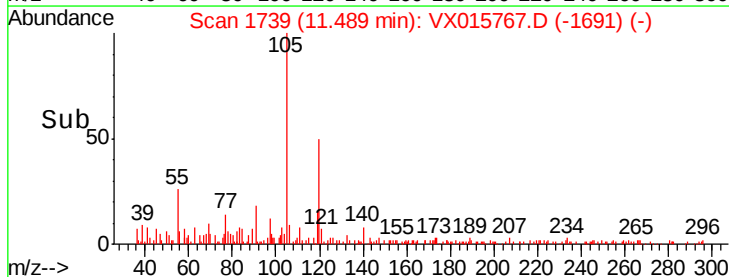
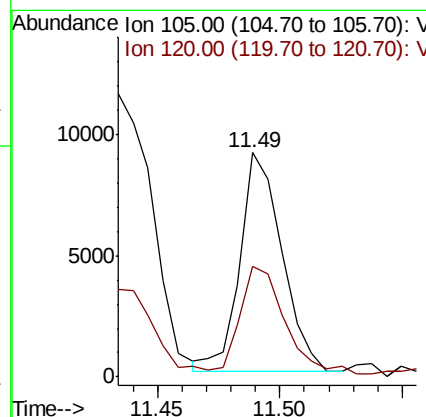
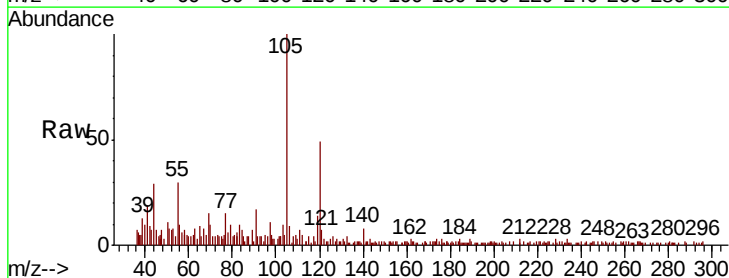
Acq: 20 Apr 2020 15:49

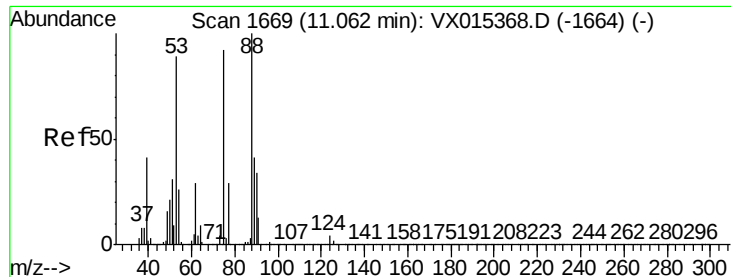
Tgt Ion:105 Resp: 10749

Ion Ratio Lower Upper

105 100

120 52.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.718 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015767.D

Acq: 20 Apr 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

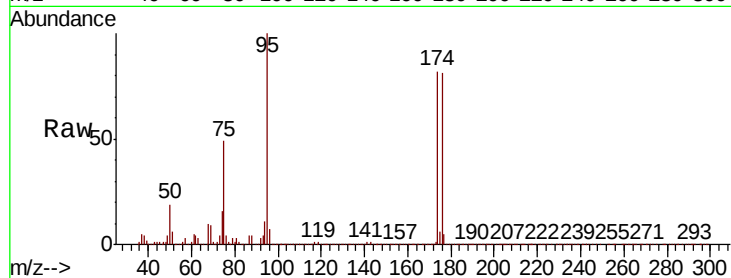
Tot Ion: 75 Resp: 397032

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

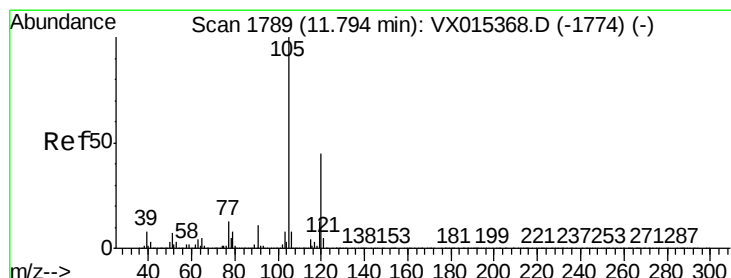
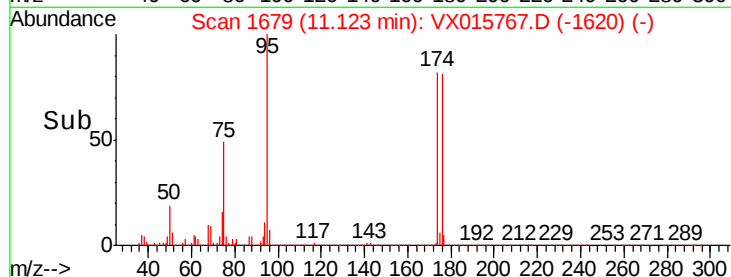
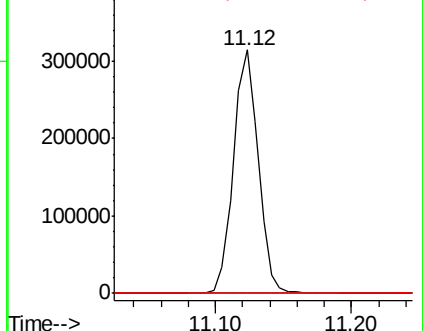
89 0.1 36.1 54.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.789 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX015767.D

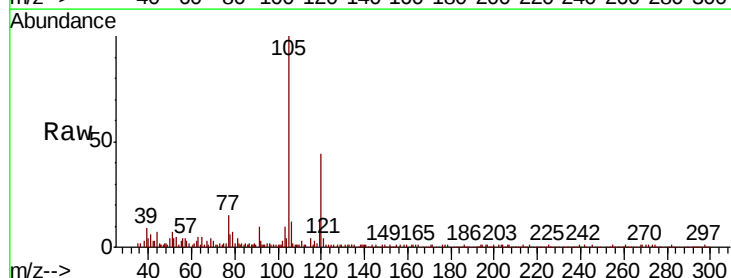
Acq: 20 Apr 2020 15:49

Tgt Ion:105 Resp: 39522

Ion Ratio Lower Upper

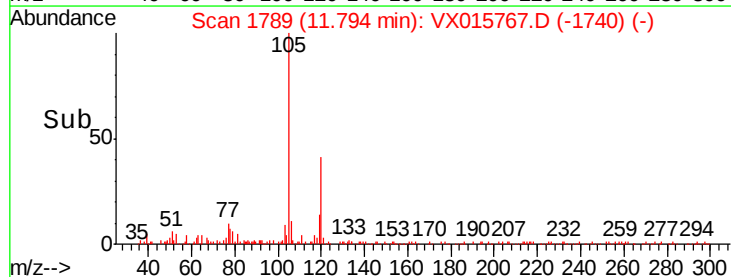
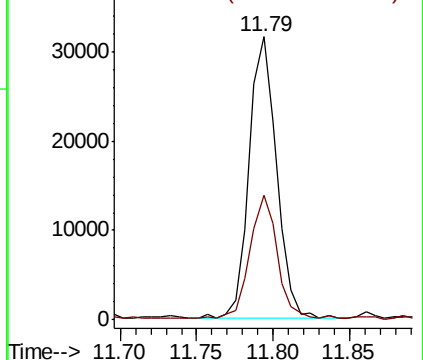
105 100

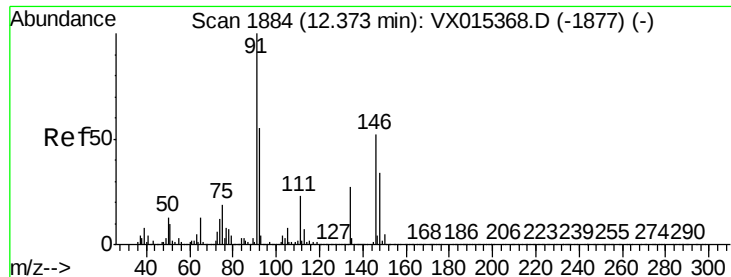
120 43.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

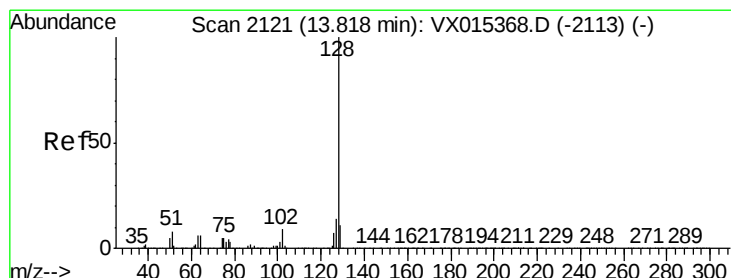
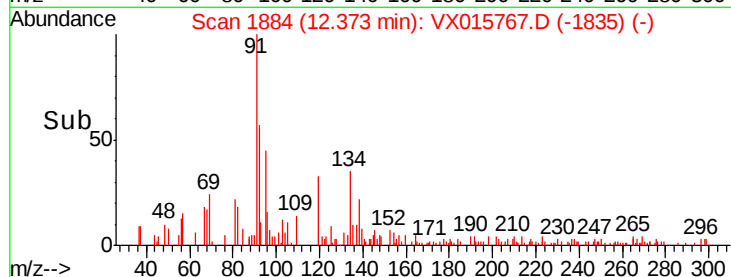
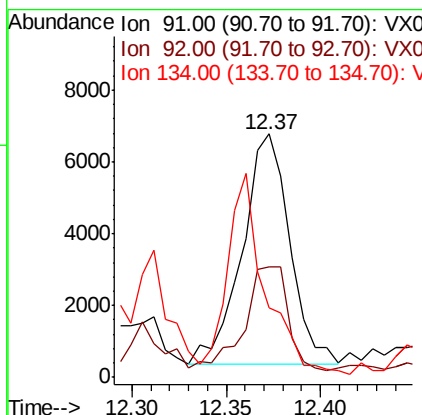
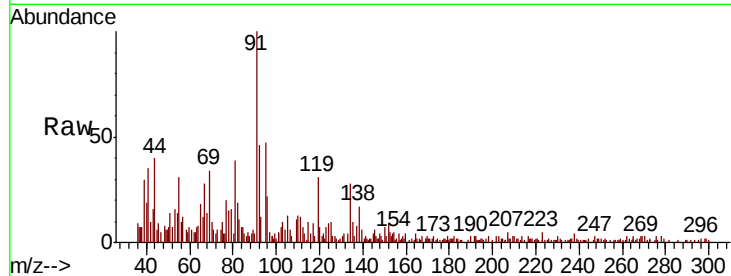




#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 11195
Ion Ratio Lower Upper
91 100
92 39.8 27.2 81.5
134 69.2 13.4 40.2#



#95
Naphthalene
Concen: 0.308 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015767.D
Acq: 20 Apr 2020 15:49

Tgt Ion: 128 Resp: 20028
Ion Ratio Lower Upper
128 100
127 15.5 10.6 15.8
129 12.0 8.8 13.2

