

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110619\
 Data File : VX013337.D
 Acq On : 06 Nov 2019 12:18
 Operator : JC/SP
 Sample : K5711-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 07 02:14:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	778271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1190017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1063181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	489769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	436833	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.48	113	360245	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	1417016	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	479401	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

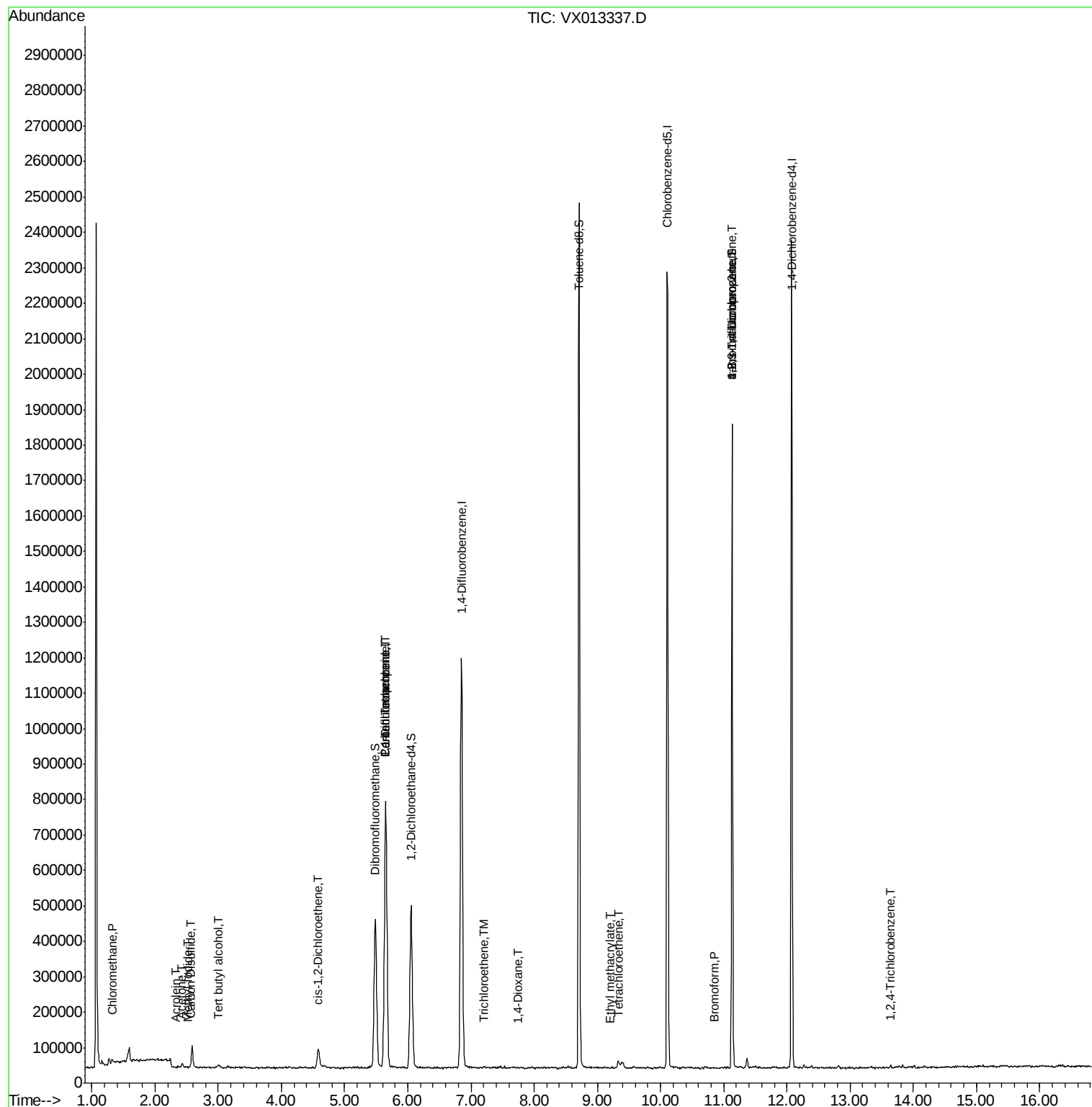
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	7000	0.720	ug/l	91
6) Chloroethane	1.67	64	1595	Below Cal	#	75
10) Methyl Iodide	2.52	142	2664	0.295	ug/l #	51
11) Tert butyl alcohol	3.01	59	7947	3.270	ug/l #	90
13) Acrolein	2.32	56	302	0.229	ug/l #	43
16) Acetone	2.43	43	13093	2.847	ug/l	100
17) Carbon Disulfide	2.56	76	5007	0.262	ug/l #	81
27) cis-1,2-Dichloroethene	4.58	96	33332	3.828	ug/l	93
36) 1,1-Dichloropropene	5.65	75	53439	5.235	ug/l #	51
38) Carbon Tetrachloride	5.65	117	68622	6.874	ug/l #	17
44) Trichloroethene	7.21	130	1974	0.226	ug/l	48
49) 1,4-Dioxane	7.74	88	394	1.755	ug/l #	1
56) Ethyl methacrylate	9.19	69	358	1.588	ug/l #	1
64) Tetrachloroethene	9.34	164	1696	0.223	ug/l #	47
71) Bromoform	10.86	173	451	3.260	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	238519	23.977	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	238519	61.716	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.64	180	2197	0.204	ug/l #	79

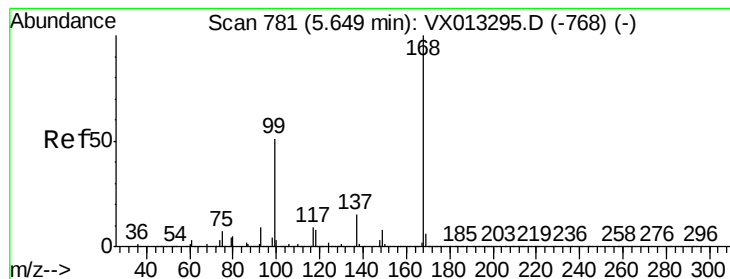
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110619\
Data File : VX013337.D
Acq On : 06 Nov 2019 12:18
Operator : JC/SP
Sample : K5711-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 07 02:14:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

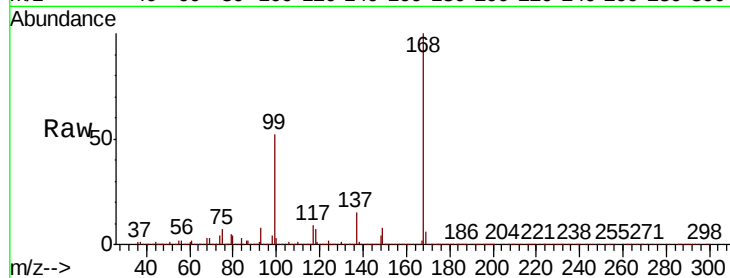
ClientSampleId :

Tot Ion:168 Resp: 778271

Ion Ratio Lower Upper

168 100

99 52.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

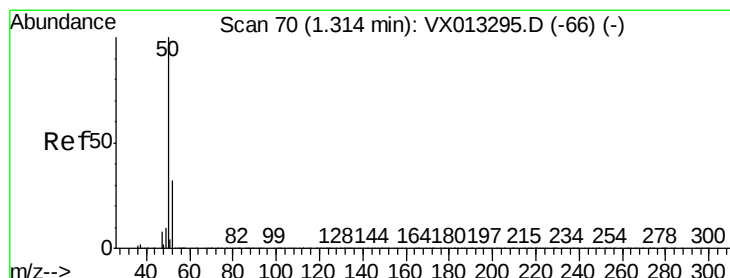
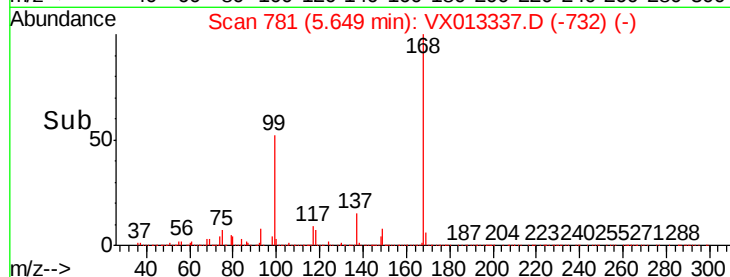
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.720 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013337.D

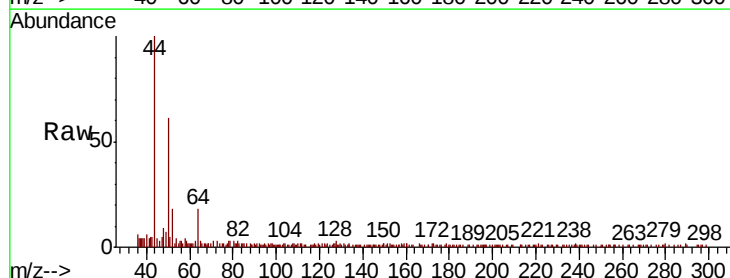
Acq: 06 Nov 2019 12:18

Tgt Ion: 50 Resp: 7000

Ion Ratio Lower Upper

50 100

52 26.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

8000

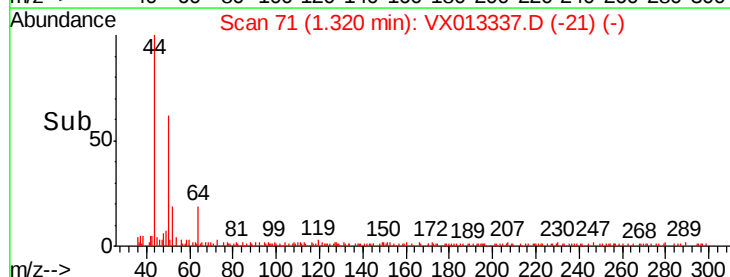
6000

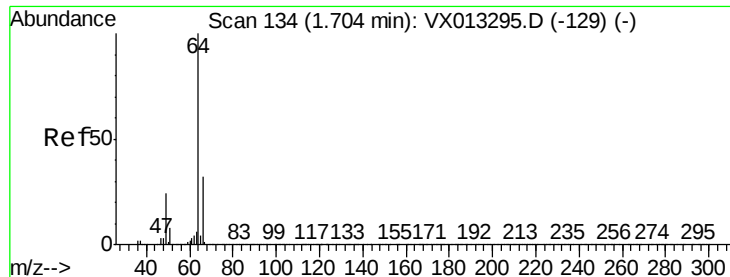
4000

2000

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

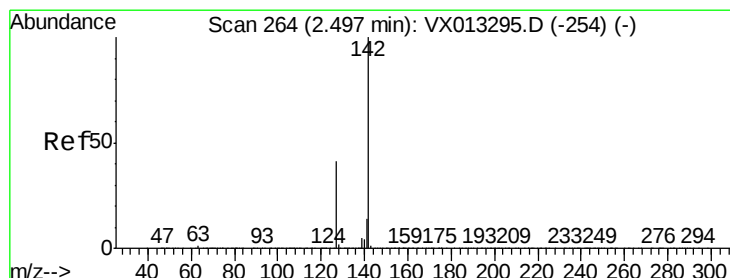
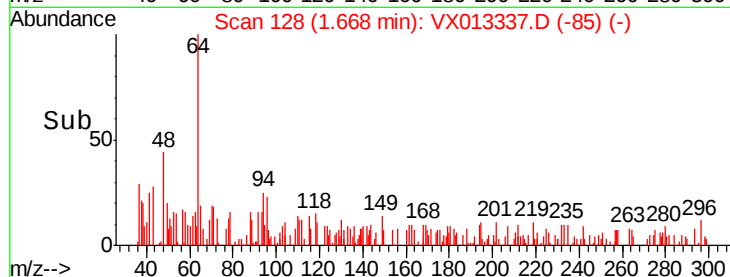
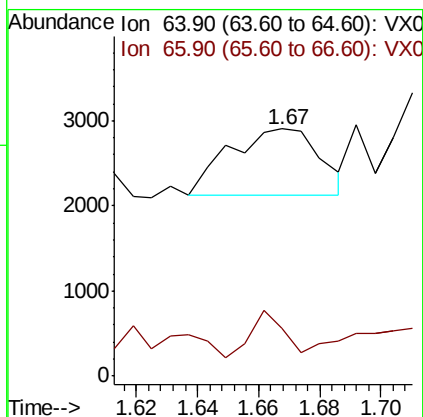
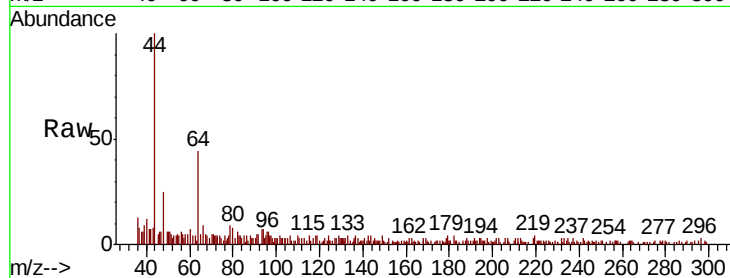
ClientSampleId :

Tot Ion: 64 Resp: 1595

Ion Ratio Lower Upper

64 100

66 18.1 25.6 38.4#



#10

Methyl Iodide

Concen: 0.295 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

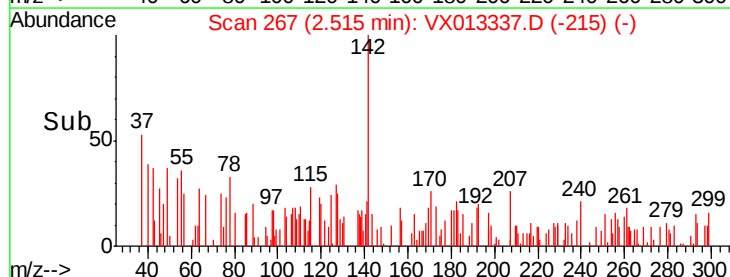
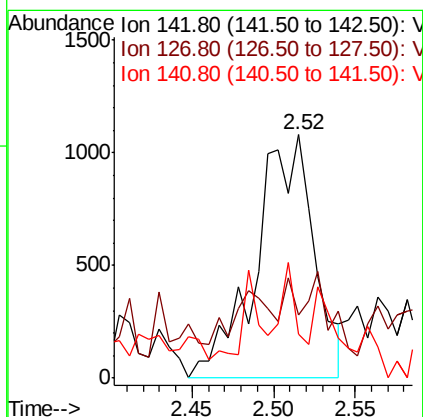
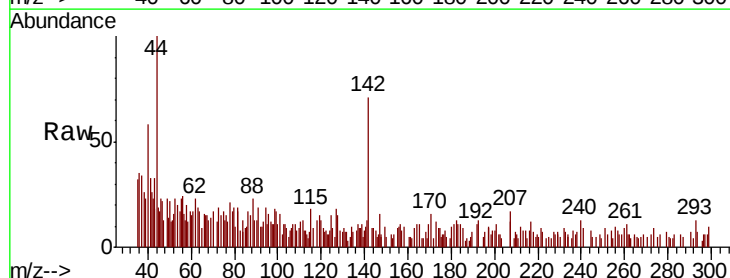
Tgt Ion: 142 Resp: 2664

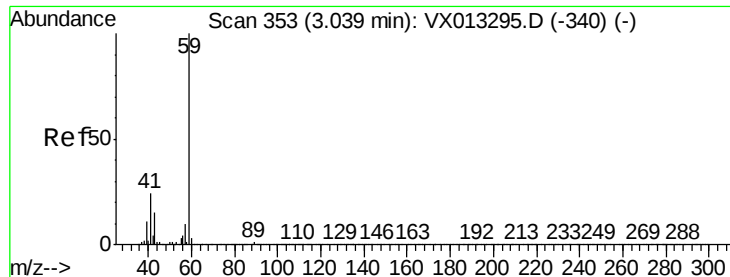
Ion Ratio Lower Upper

142 100

127 2.9 32.6 49.0#

141 8.4 11.6 17.4#

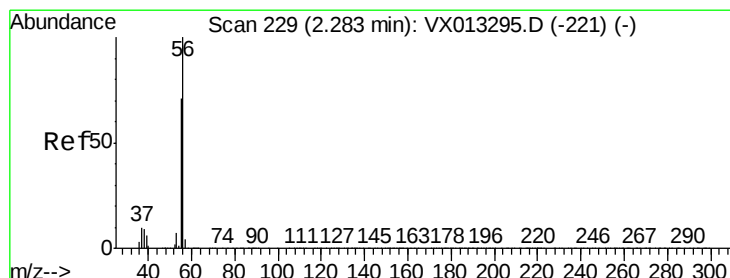
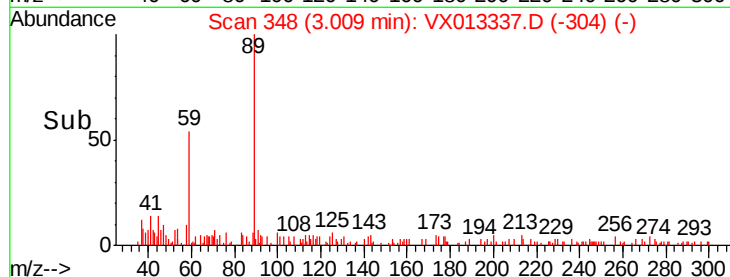
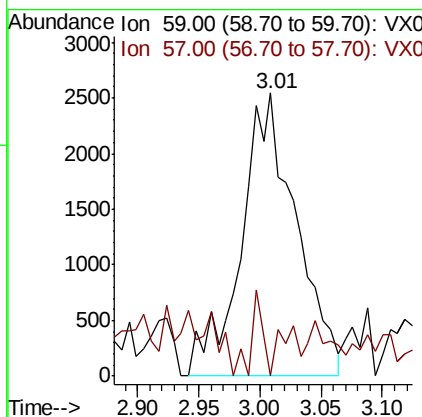
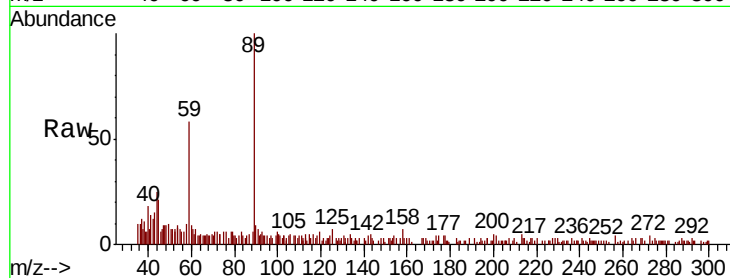




#11
Tert butvl alcohol
Concen: 3.270 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

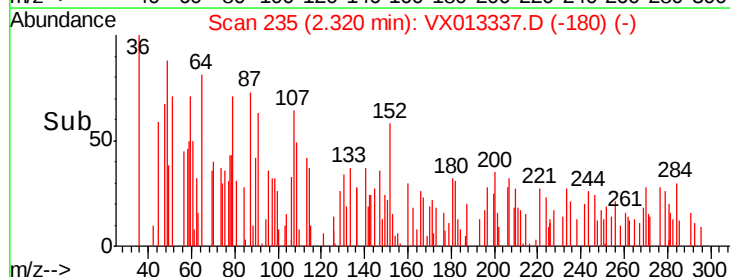
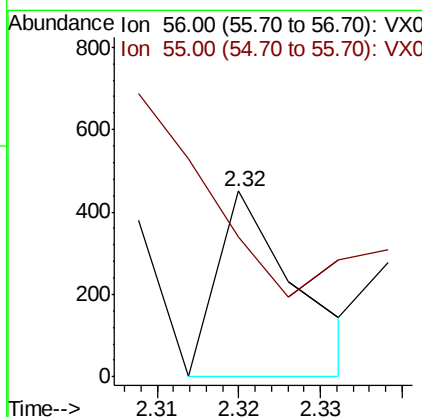
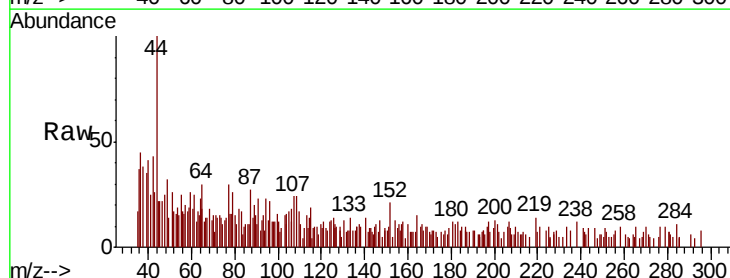
Instrument :
MSVOA_X
ClientSampled :

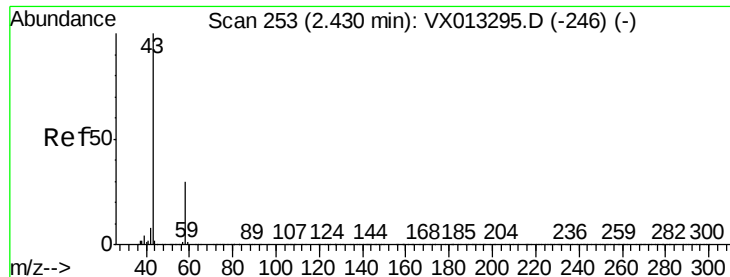
Tot Ion: 59 Resp: 7947
Ion Ratio Lower Upper
59 100
57 6.3 8.0 12.0#



#13
Acrolein
Concen: 0.229 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.04 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 118.9 57.4 86.0#

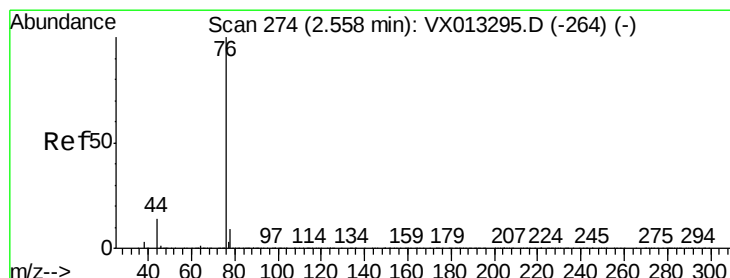
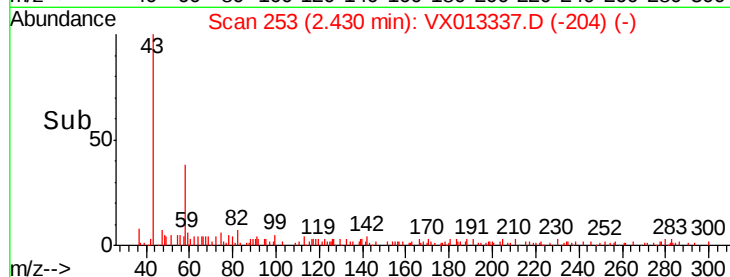
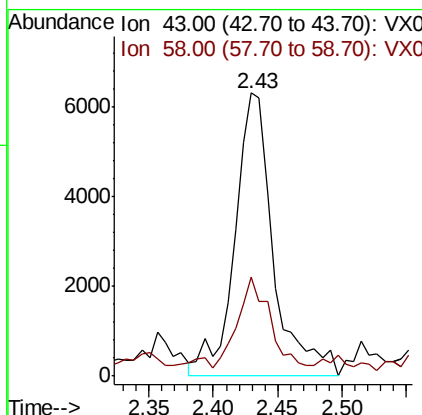
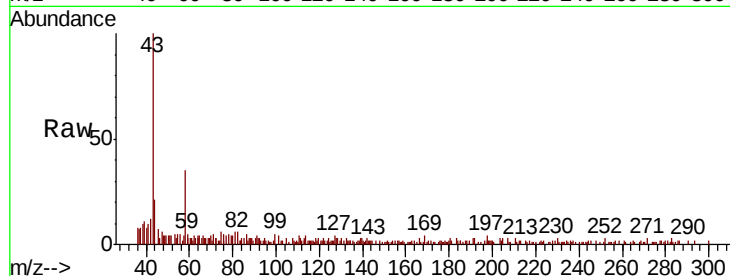




#16
Acetone
Concen: 2.847 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

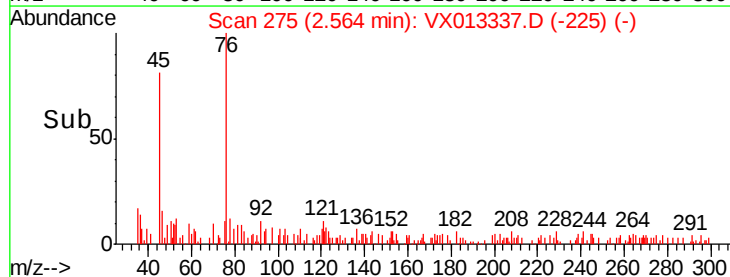
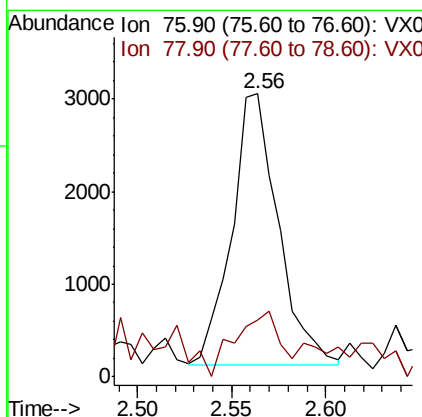
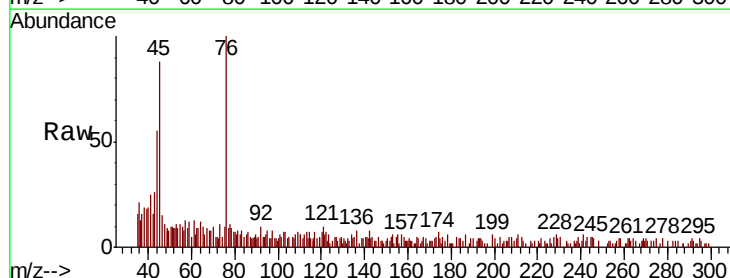
Instrument :
MSVOA_X
ClientSampleId :

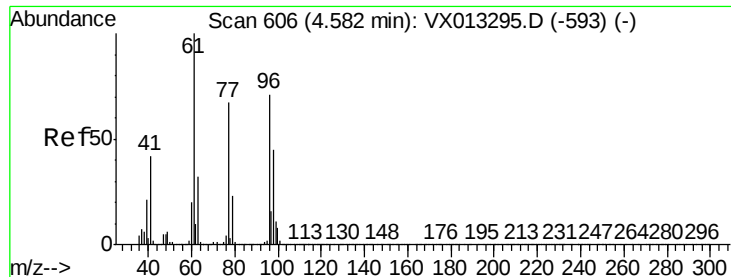
Tot Ion: 43 Resp: 13093
Ion Ratio Lower Upper
43 100
58 30.4 24.3 36.5



#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Tgt Ion: 76 Resp: 5007
Ion Ratio Lower Upper
76 100
78 15.7 7.0 10.6#



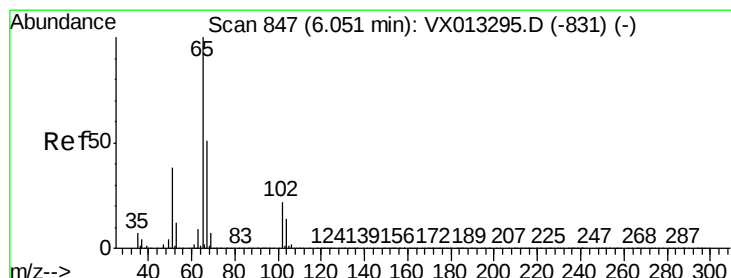
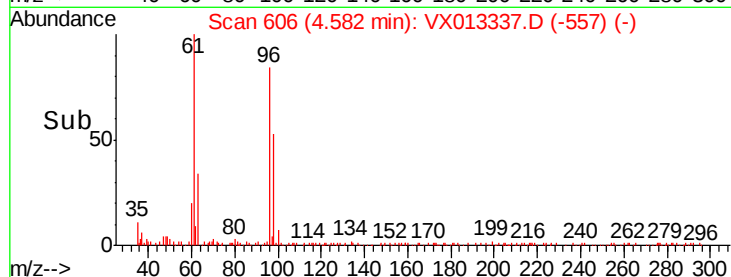
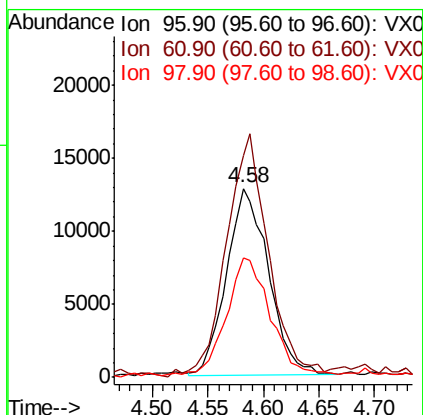
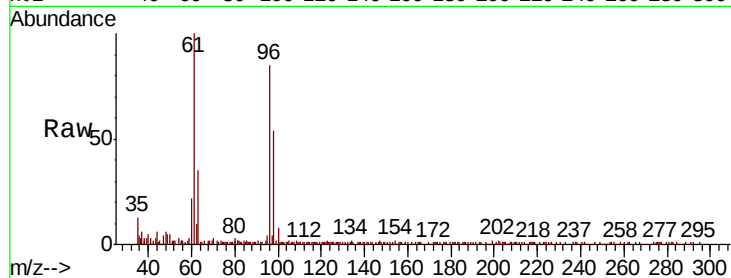


#27

cis-1,2-Dichloroethene
Concen: 3.828 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :

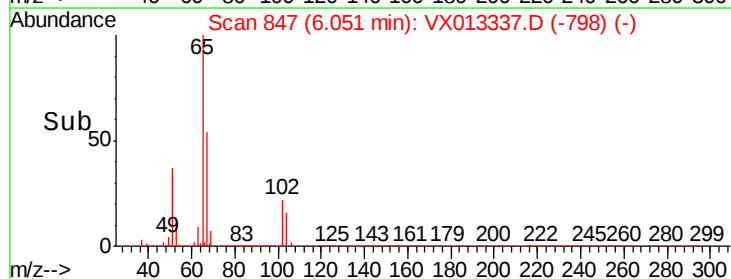
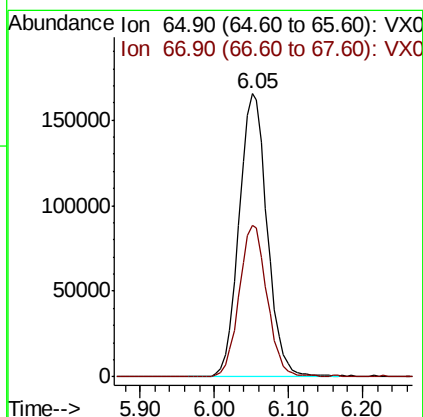
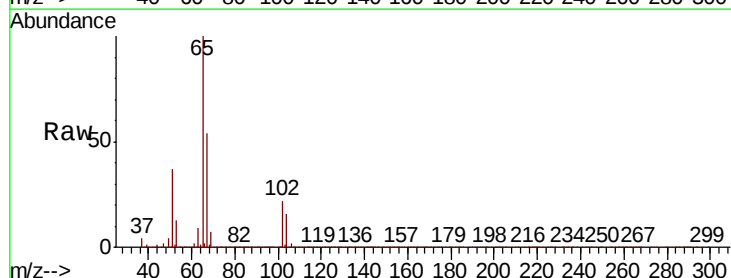
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	288.0
98	65.9	0.0	129.6

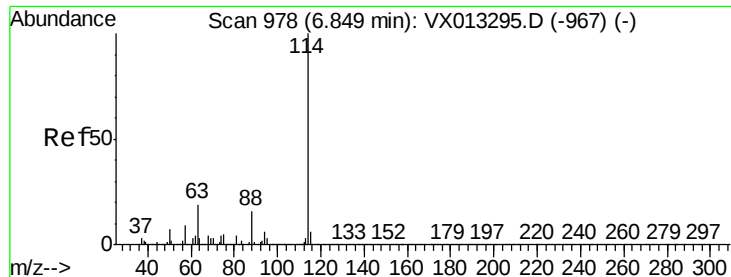


#33

1,2-Dichloroethane-d4
Concen: 47.378 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

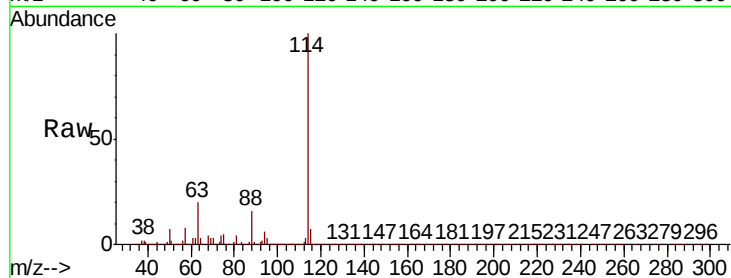
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:114 Resp: 1190017

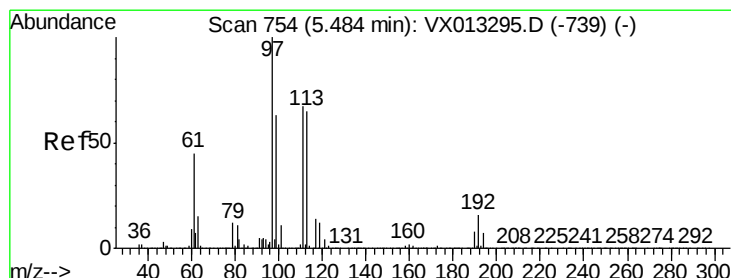
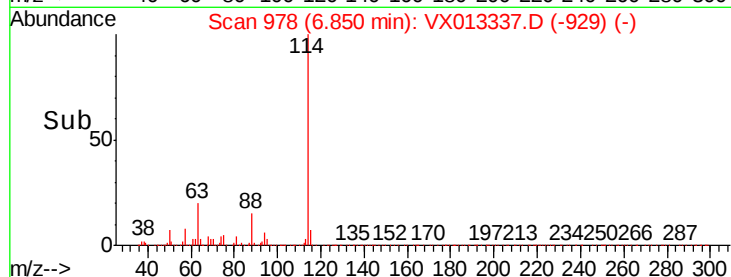
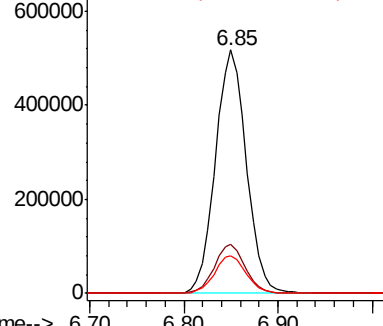
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.4
88	15.5	0.0	32.2



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: 48.265 ug/l

RT: 5.48 min Scan# 754

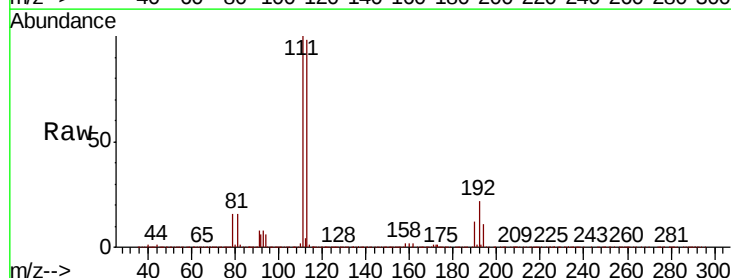
Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Tgt Ion:113 Resp: 360245

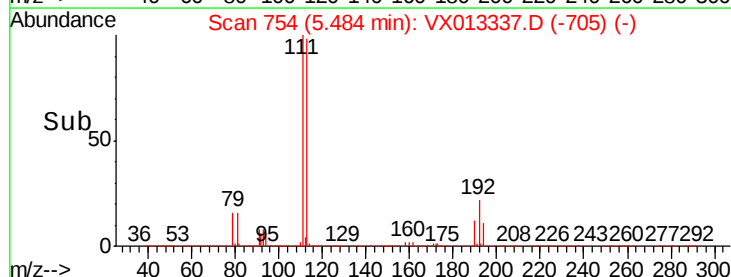
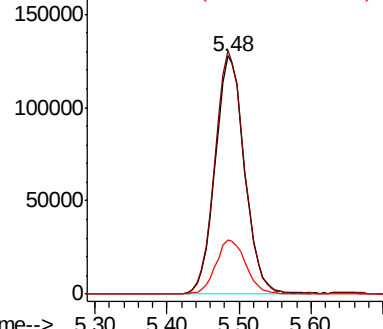
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.5	19.1	28.7

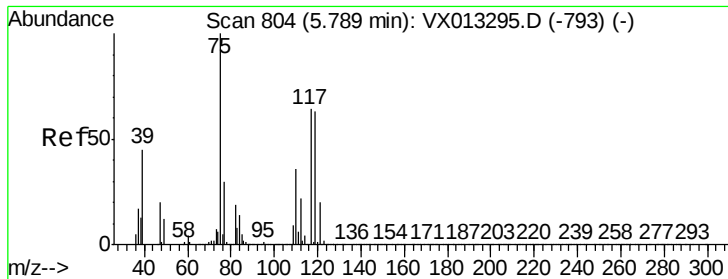


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

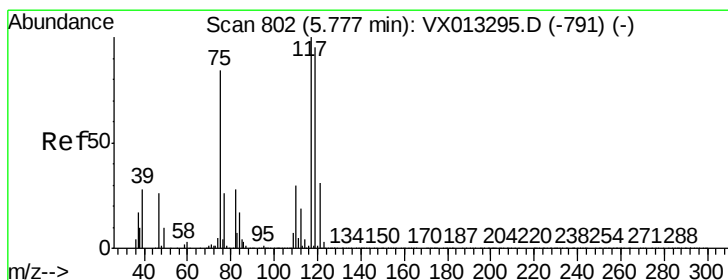
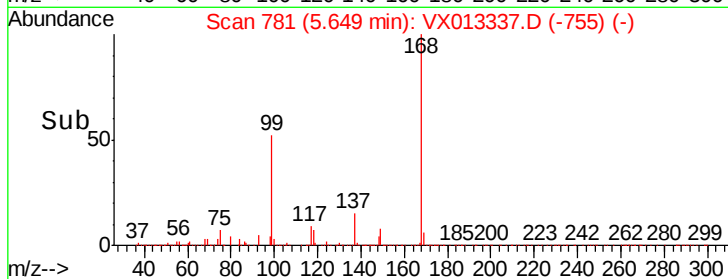
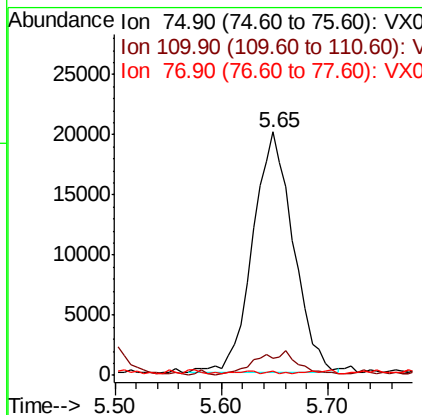
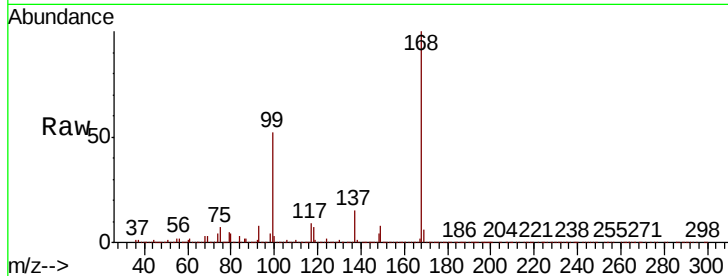




#36
 1,1-Dichloropropene
 Concen: 5.235 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013337.D
 Acq: 06 Nov 2019 12:18

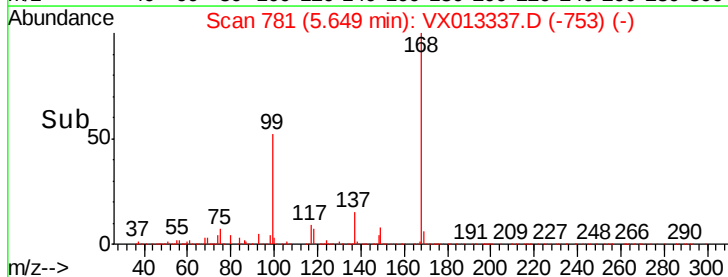
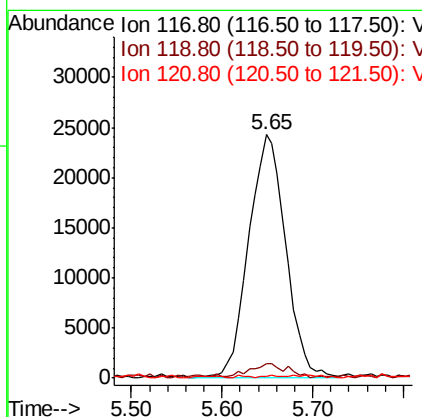
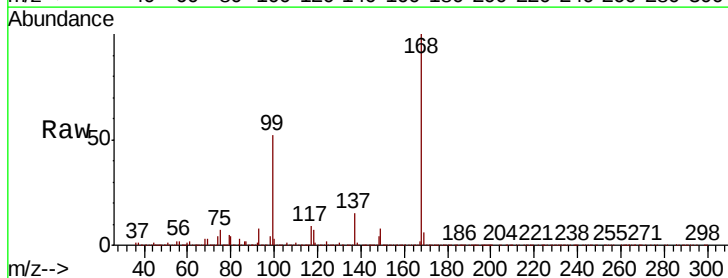
Instrument :
 MSVOA_X
 ClientSampled :

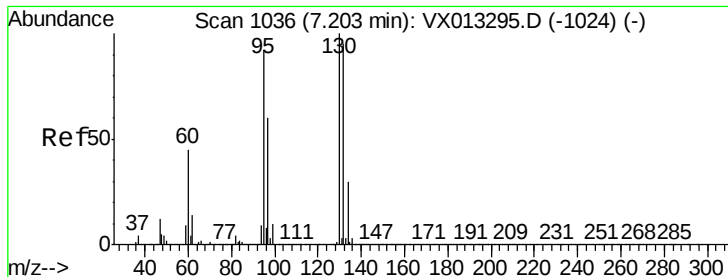
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.874 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013337.D
 Acq: 06 Nov 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.7	24.6	37.0#





#44

Trichloroethene

Concen: 0.226 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

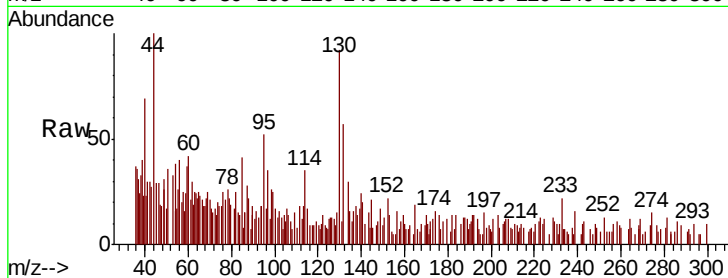
ClientSampled :

Tot Ion:130 Resp: 1974

Ion Ratio Lower Upper

130 100

95 42.5 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1000

800

600

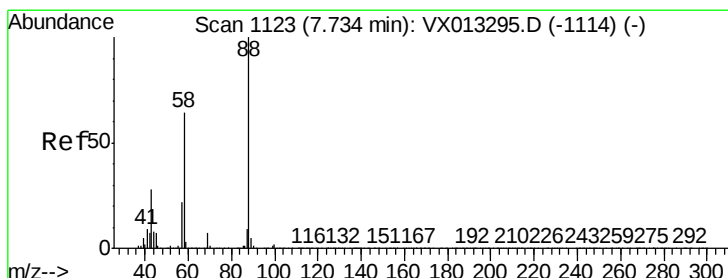
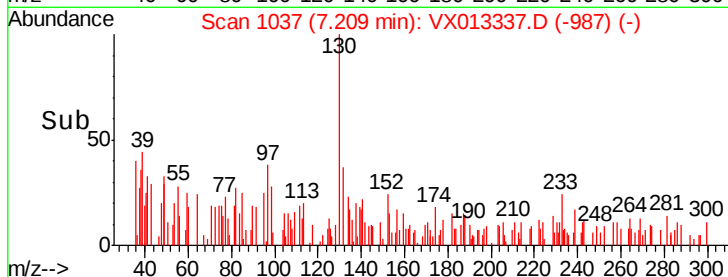
400

200

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.755 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

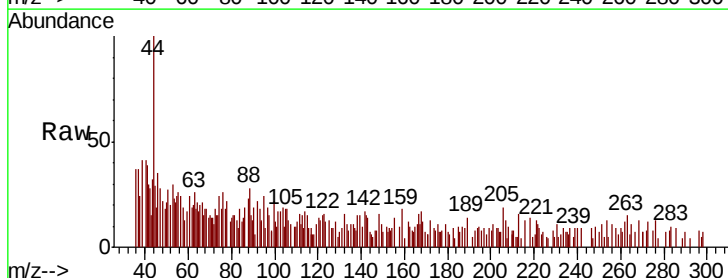
Tgt Ion: 88 Resp: 394

Ion Ratio Lower Upper

88 100

43 228.9 26.6 39.8#

58 47.7 55.0 82.6#



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

800

600

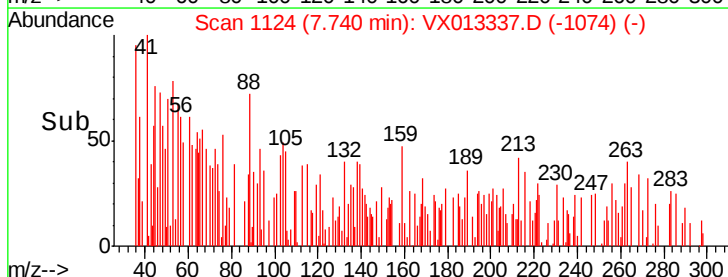
400

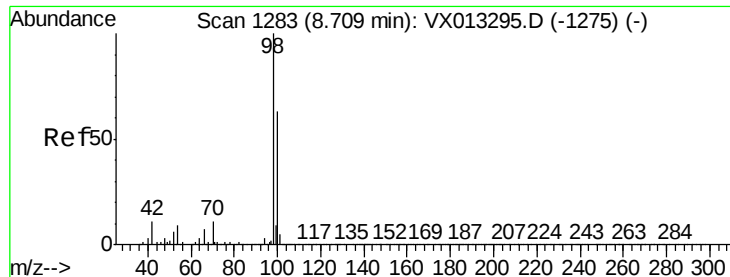
200

0

7.70 7.72 7.74 7.76

Time-->





#50

Toluene-d8

Concen: 50.359 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

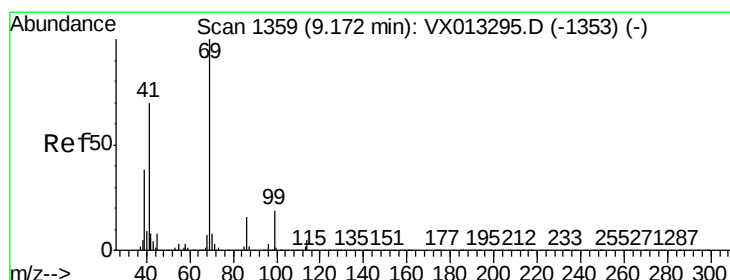
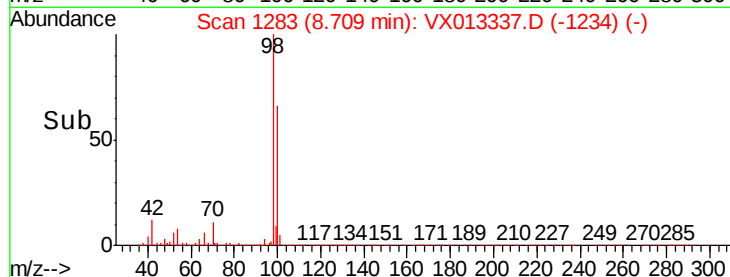
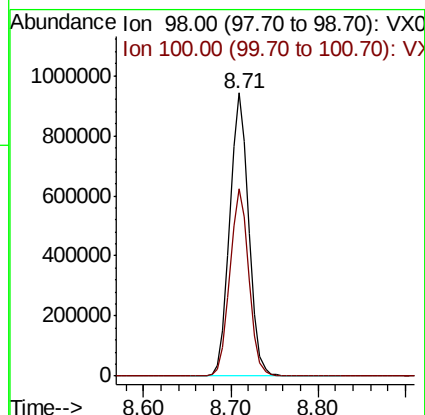
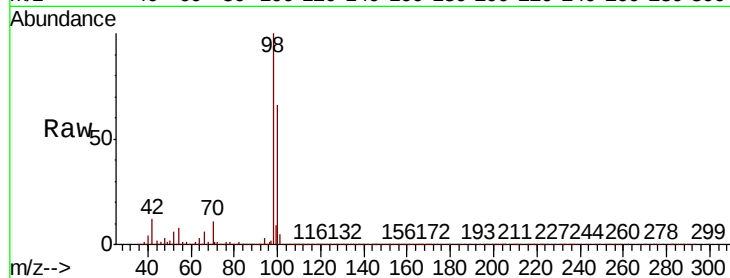
ClientSampleId :

Tot Ion: 98 Resp: 1417016

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.588 ug/l

RT: 9.19 min Scan# 1362

Delta R.T. 0.02 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

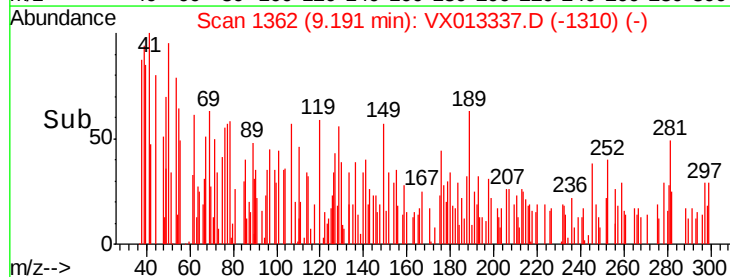
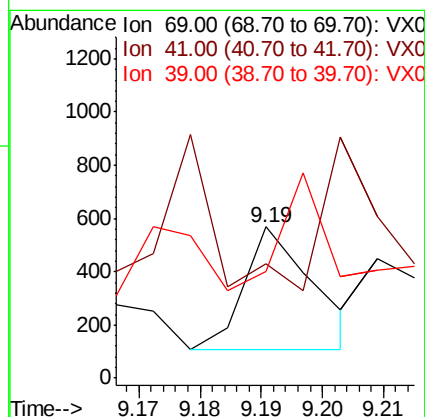
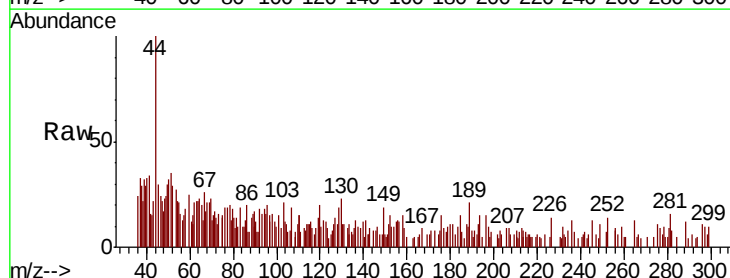
Tgt Ion: 69 Resp: 358

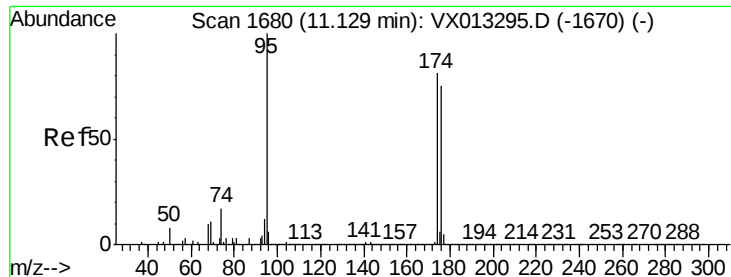
Ion Ratio Lower Upper

69 100

41 187.2 56.2 84.2#

39 122.6 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.207 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

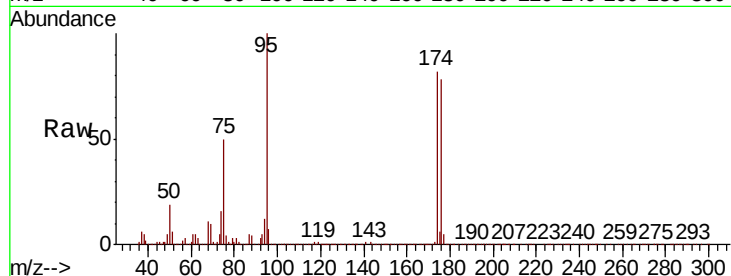
Tot Ion: 95 Resp: 479401

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

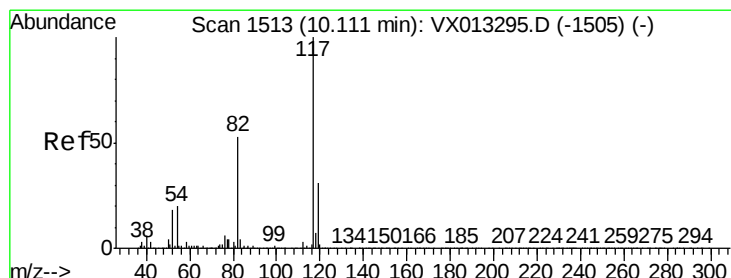
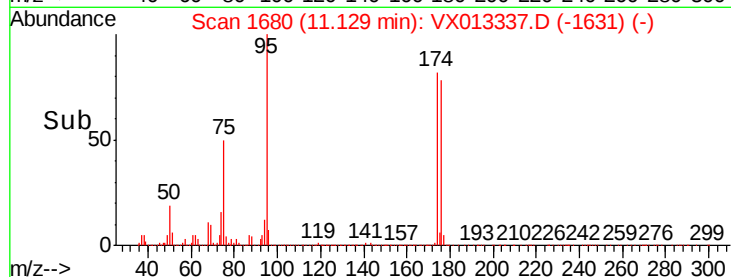
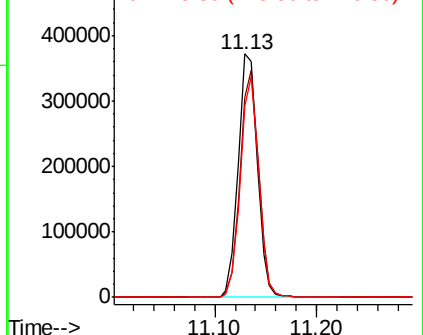
176 86.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013337.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013337.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013337.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

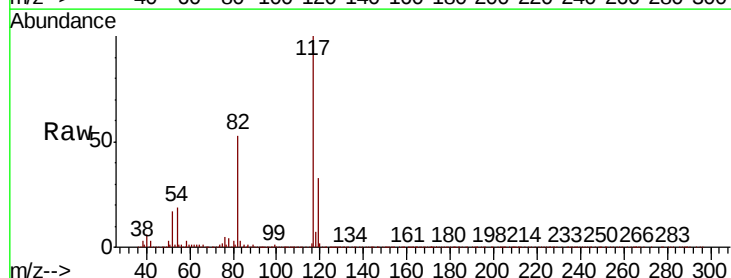
Tgt Ion: 117 Resp: 1063181

Ion Ratio Lower Upper

117 100

82 53.2 42.6 64.0

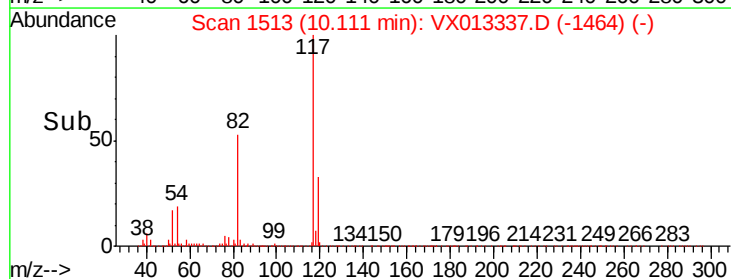
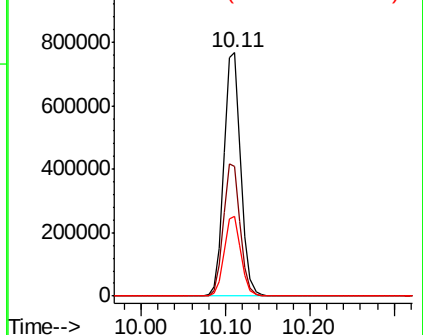
119 32.6 24.8 37.2

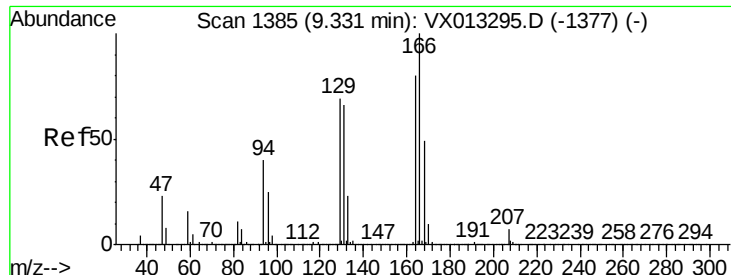


Abundance Ion 116.90 (116.60 to 117.60): VX013337.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013337.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013337.D (-1464) (-)





#64

Tetrachloroethene

Concen: 0.223 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1696

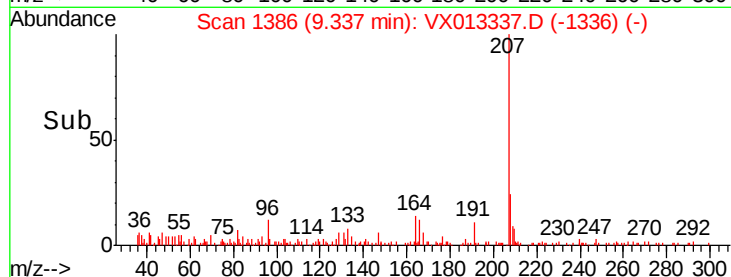
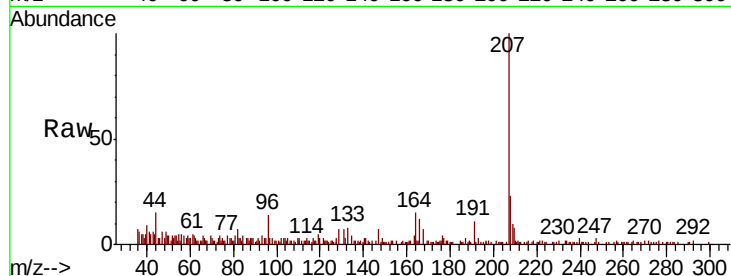
Ion Ratio Lower Upper

164 100

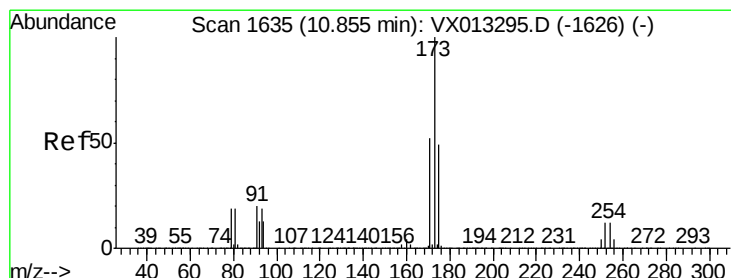
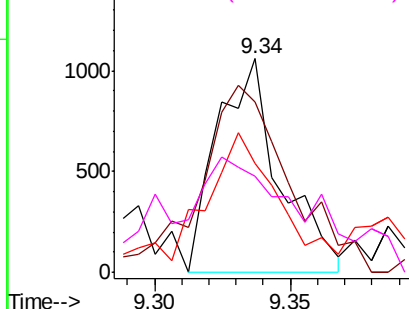
166 67.2 100.4 150.6#

129 42.5 69.4 104.2#

131 26.8 66.6 100.0#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 3.260 ug/l

RT: 10.86 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

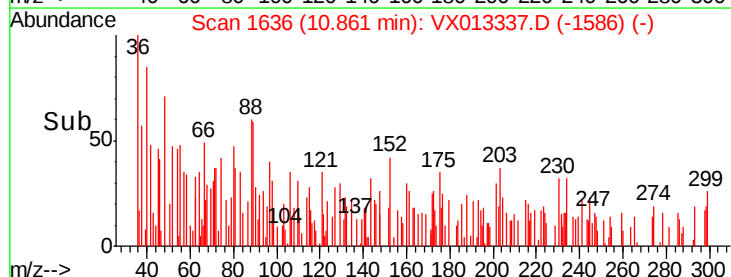
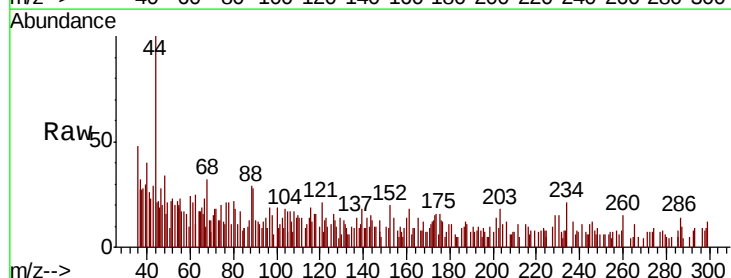
Tgt Ion:173 Resp: 451

Ion Ratio Lower Upper

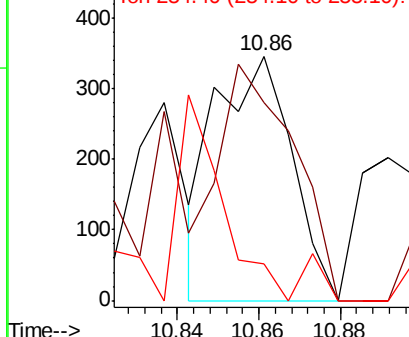
173 100

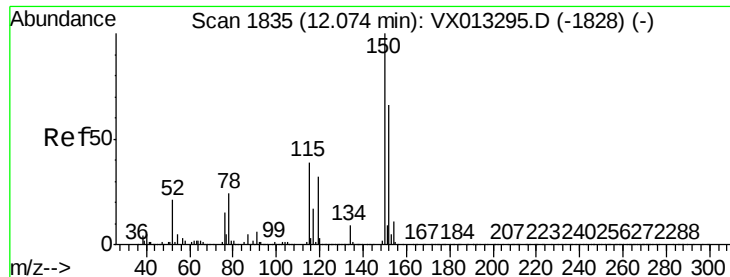
175 0.0 24.8 74.4#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013337.D

Acq: 06 Nov 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

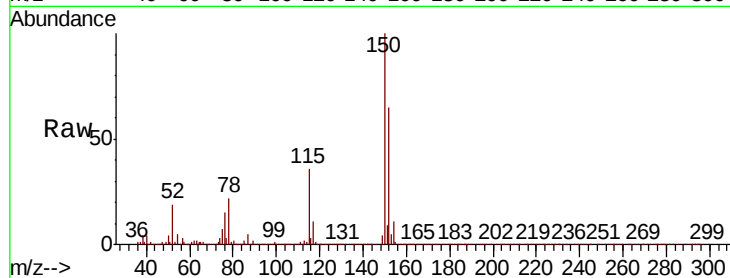
Tot Ion:152 Resp: 489769

Ion Ratio Lower Upper

152 100

115 55.5 39.5 118.3

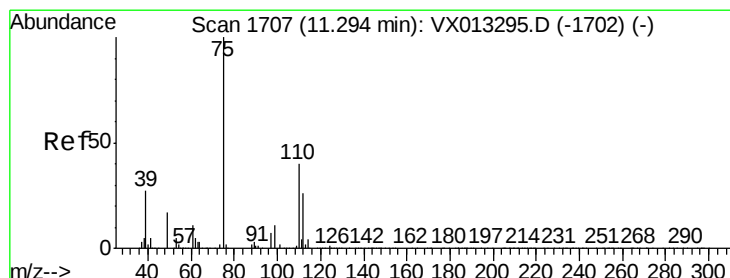
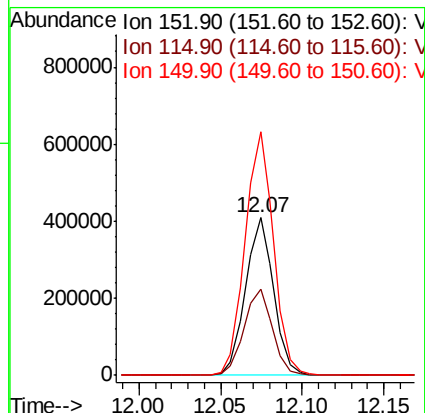
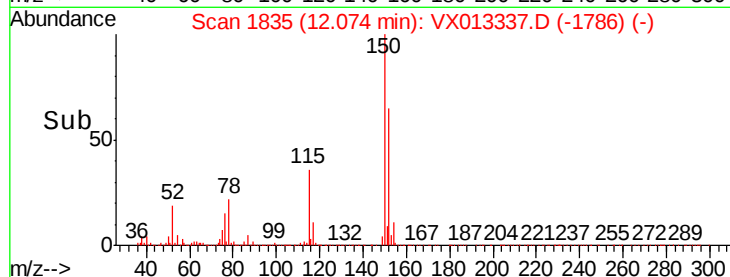
150 156.8 0.0 344.4



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: 23.977 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013337.D

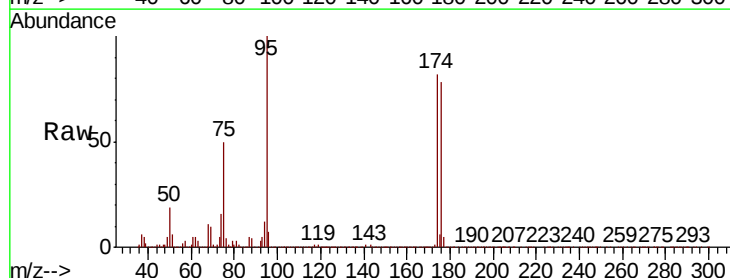
Acq: 06 Nov 2019 12:18

Tgt Ion: 75 Resp: 238519

Ion Ratio Lower Upper

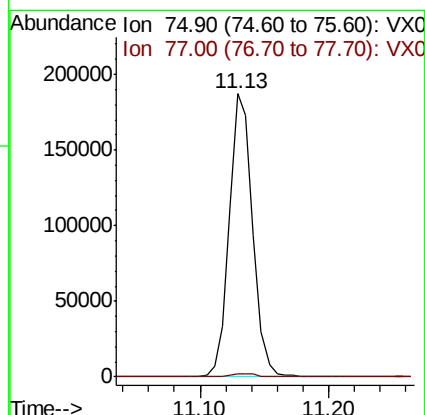
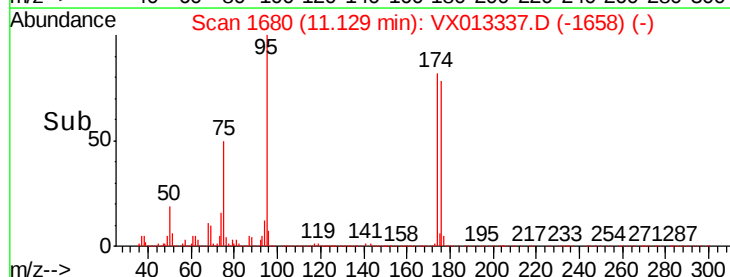
75 100

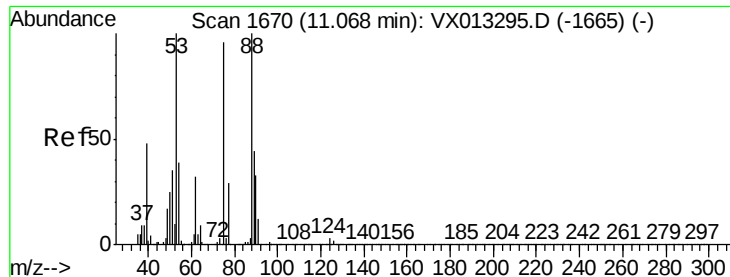
77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

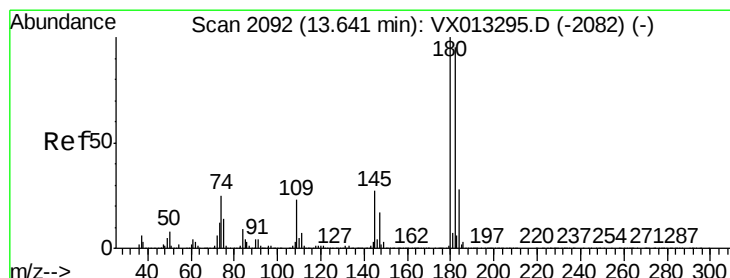
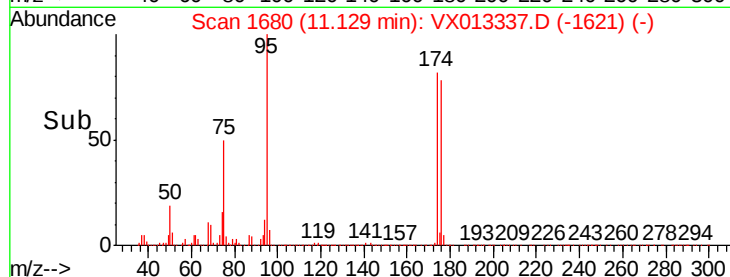
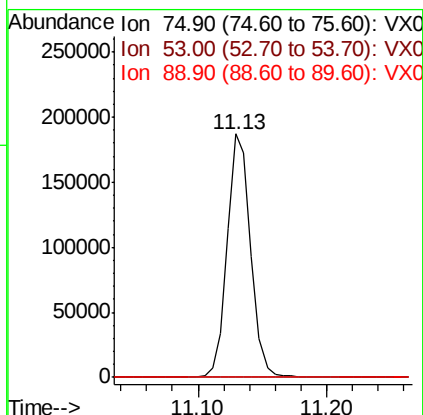
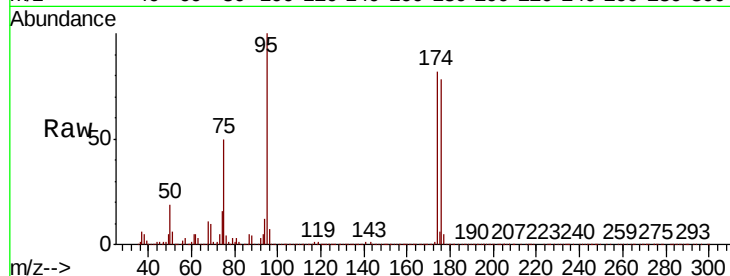




#81
trans-1,4-Dichloro-2-butene
Concen: 61.716 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 238519
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.2 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.204 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013337.D
Acq: 06 Nov 2019 12:18

Tgt Ion:180 Resp: 2197
Ion Ratio Lower Upper
180 100
182 82.3 48.4 145.0
145 50.0 14.1 42.4#

