

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013588.D
 Acq On : 25 Nov 2019 17:57
 Operator : JC/SP
 Sample : K5968--07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 26 03:16:24 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	678943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1103055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	986774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	457707	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	397571	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	5.49	113	324790	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	8.71	98	1311345	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	449742	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

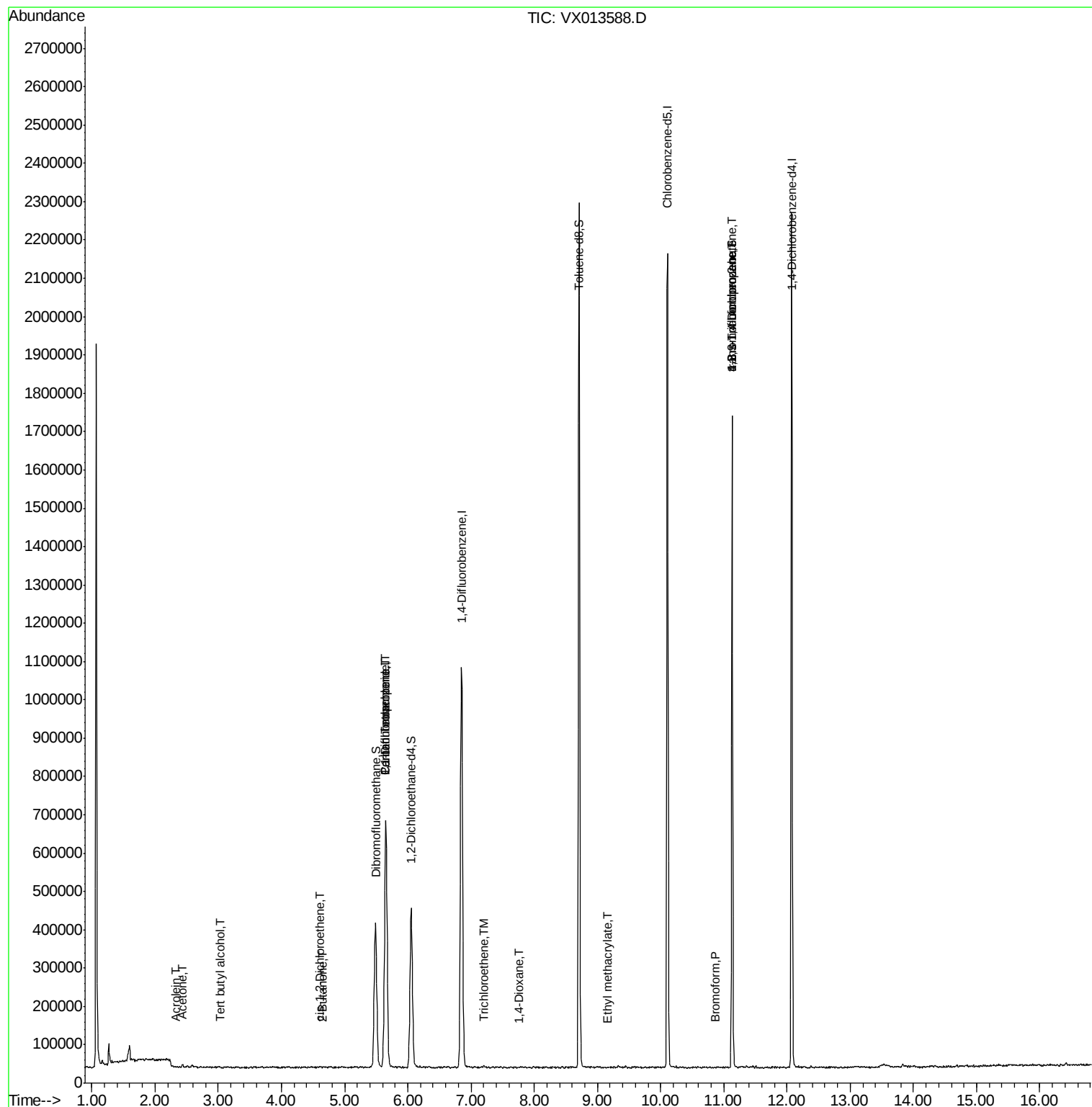
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.66	64	757	Below Cal	#	74
11) Tert butyl alcohol	3.03	59	1781	0.840	ug/l #	78
13) Acrolein	2.33	56	576	0.501	ug/l #	82
16) Acetone	2.43	43	8538	2.128	ug/l	93
25) 2-Butanone	4.65	43	1268	0.215	ug/l #	53
27) cis-1,2-Dichloroethene	4.59	96	2345	0.309	ug/l	66
36) 1,1-Dichloropropene	5.65	75	45401	4.798	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56810	6.139	ug/l #	15
44) Trichloroethene	7.21	130	1749	0.216	ug/l	51
49) 1,4-Dioxane	7.76	88	68	0.327	ug/l #	1
56) Ethyl methacrylate	9.16	69	409	1.594	ug/l #	1
71) Bromoform	10.87	173	120	3.219	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	222412	23.924	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	222412	61.580	ug/l #	9

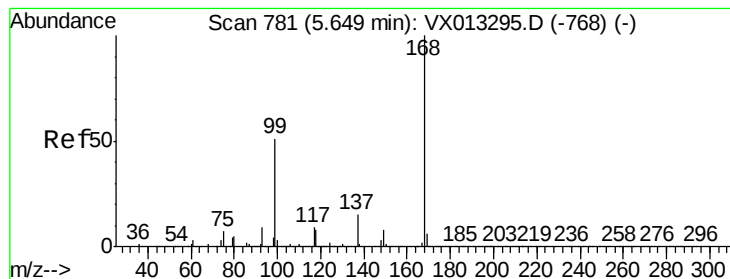
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

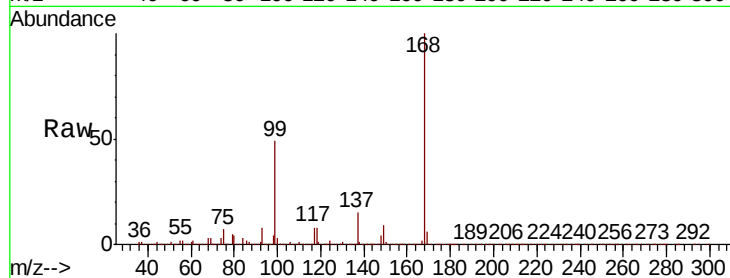
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 678943

Ion Ratio Lower Upper

168 100

99 48.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

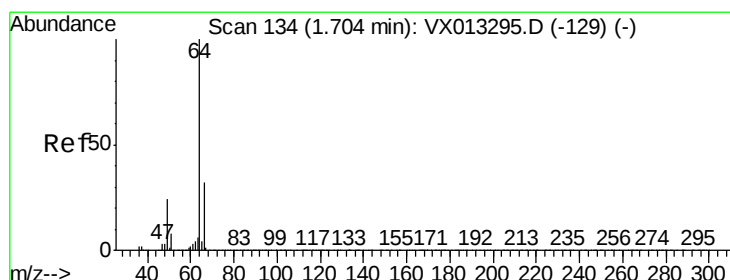
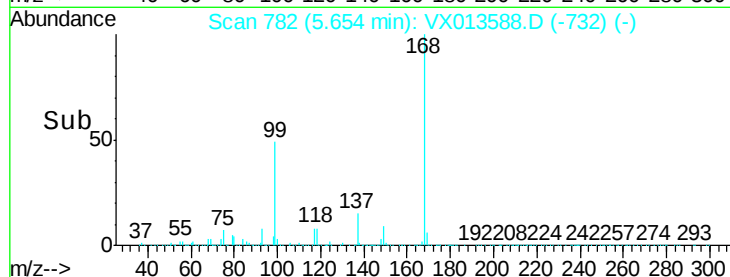
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX013588.D

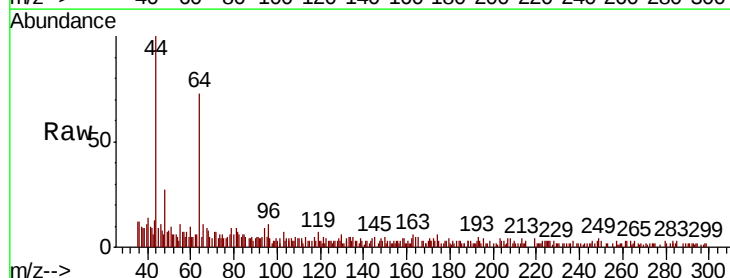
Acq: 25 Nov 2019 17:57

Tgt Ion: 64 Resp: 757

Ion Ratio Lower Upper

64 100

66 46.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

4000

3000

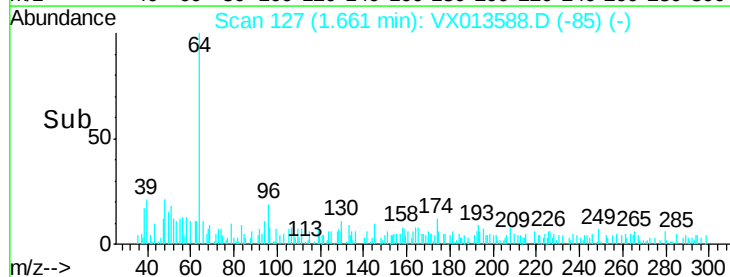
2000

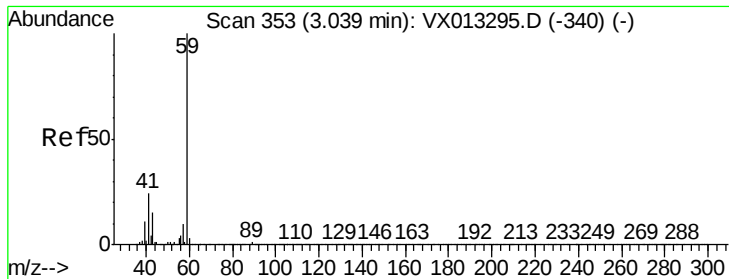
1000

0

1.64 1.65 1.66 1.67 1.68

Time-->



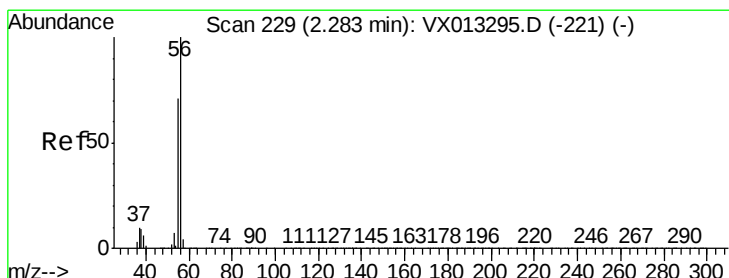
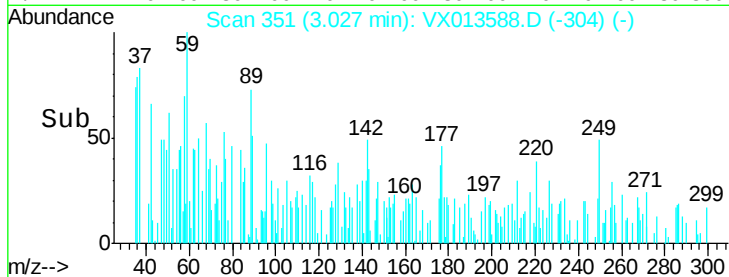
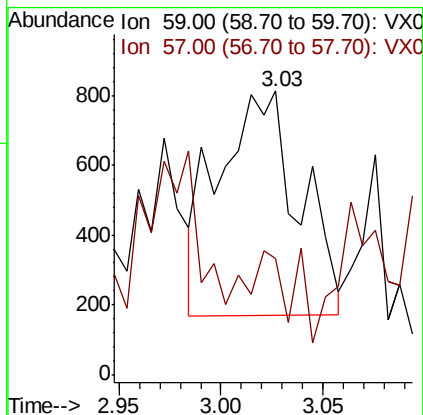
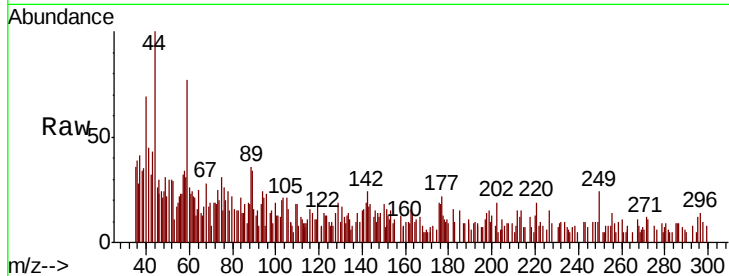


#11

Tert butyl alcohol
 Concen: 0.840 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

Instrument :
 MSVOA_X
 ClientSampled :

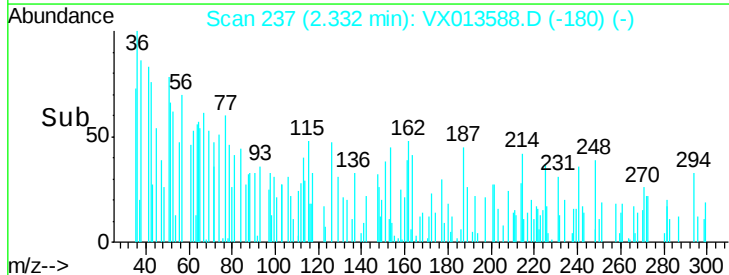
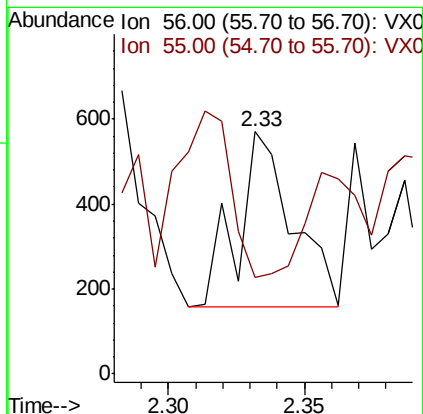
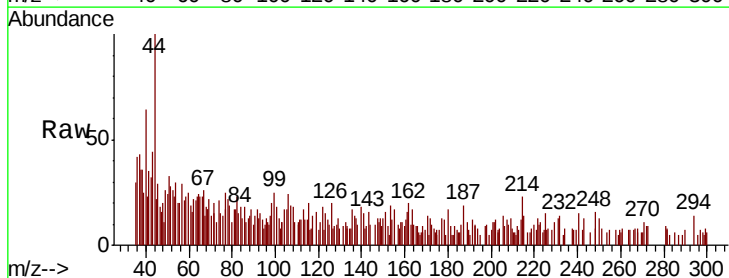
Tot Ion: 59 Resp: 1781
 Ion Ratio Lower Upper
 59 100
 57 18.1 8.0 12.0#

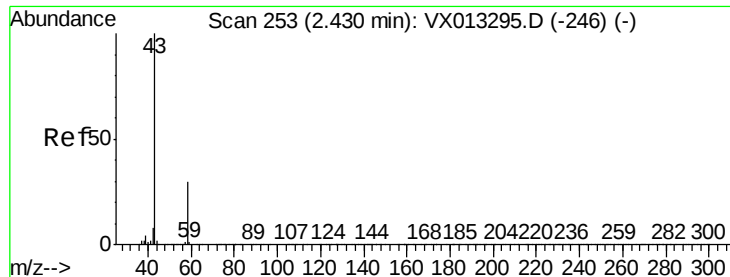


#13

Acrolein
 Concen: 0.501 ug/l
 RT: 2.33 min Scan# 237
 Delta R.T. 0.05 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

Tgt Ion: 56 Resp: 576
 Ion Ratio Lower Upper
 56 100
 55 86.6 57.4 86.0#

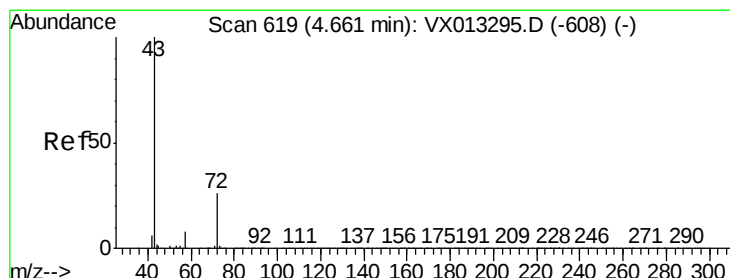
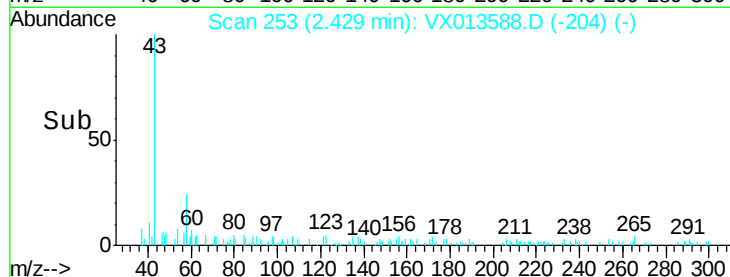
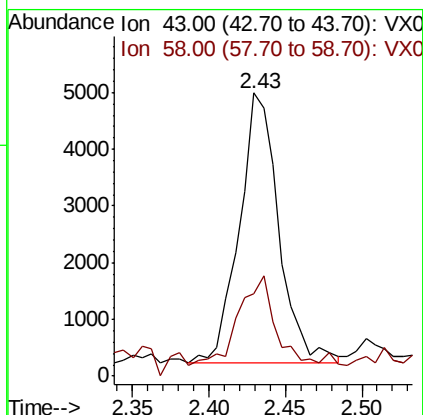
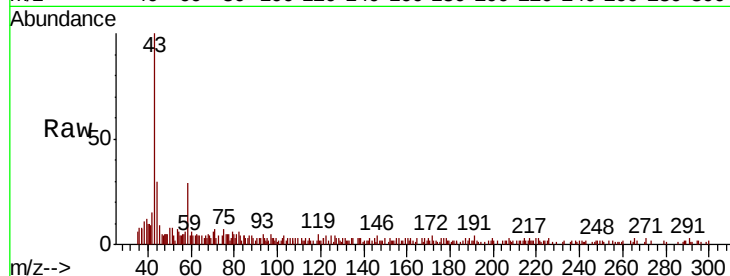




#16
Acetone
Concen: 2.128 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

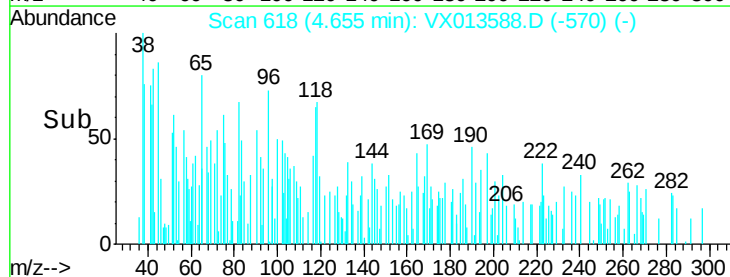
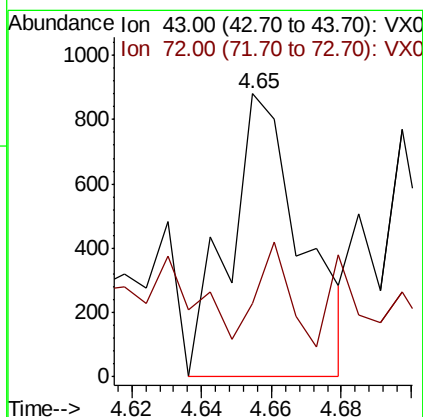
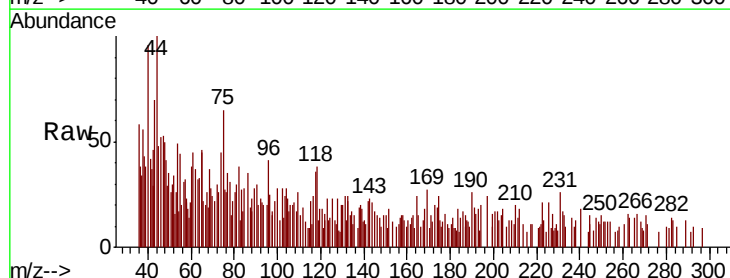
Instrument :
MSVOA_X
ClientSampled :

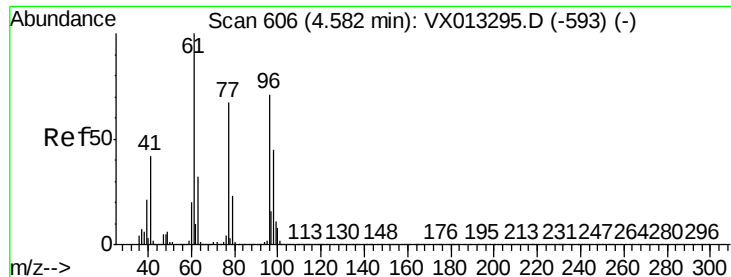
Tot Ion: 43 Resp: 8538
Ion Ratio Lower Upper
43 100
58 26.7 24.3 36.5



#25
2-Butanone
Concen: 0.215 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
72 2.2 21.0 31.6#



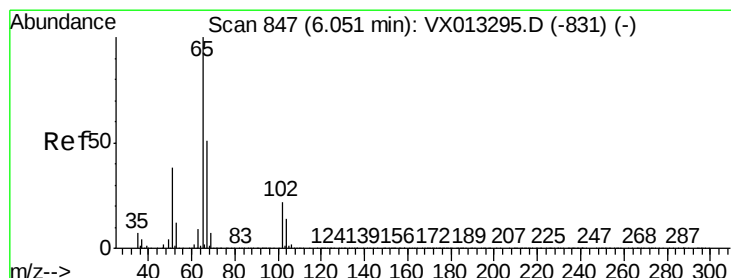
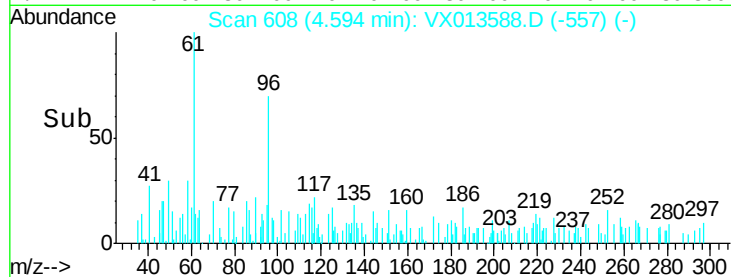
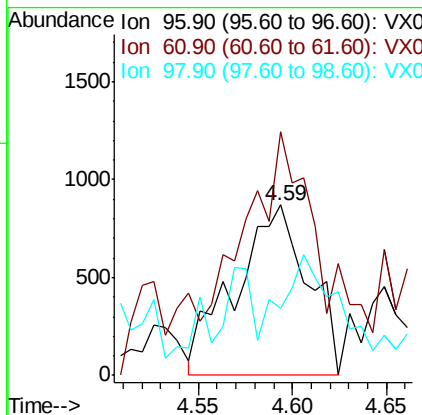
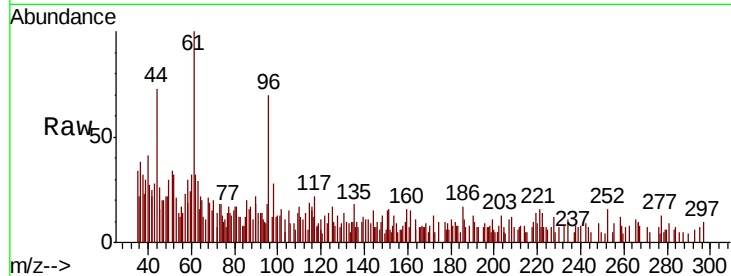


#27

cis-1,2-Dichloroethene
 Concen: 0.309 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :

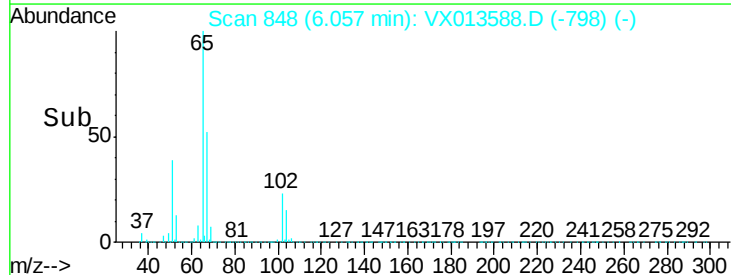
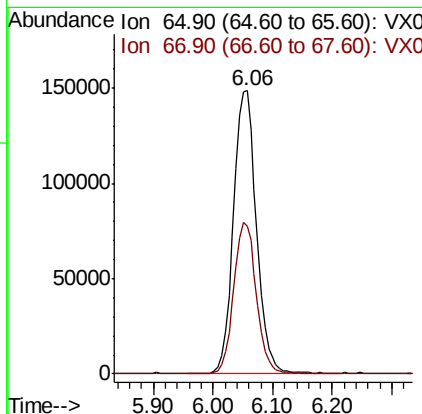
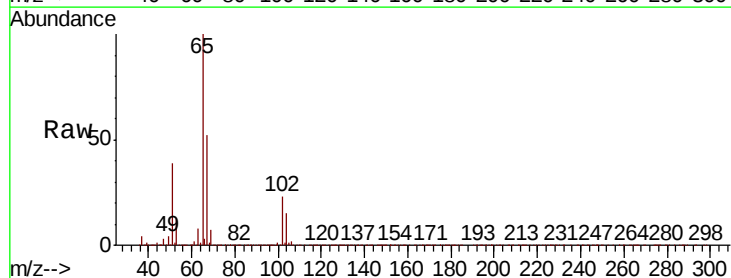
Tot Ion	Ratio	Lower	Upper
96	100		
61	103.4	0.0	288.0
98	36.9	0.0	129.6

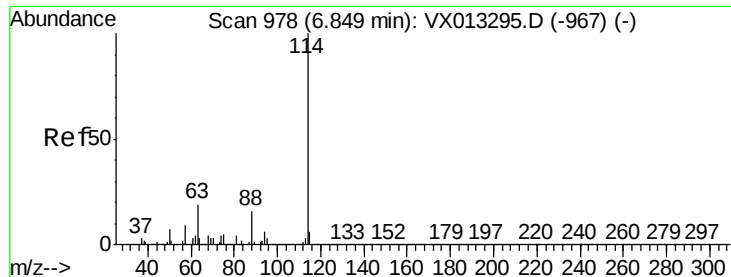


#33

1,2-Dichloroethane-d4
 Concen: 49.428 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.2	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: VX013588.D

Acq: 25 Nov 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

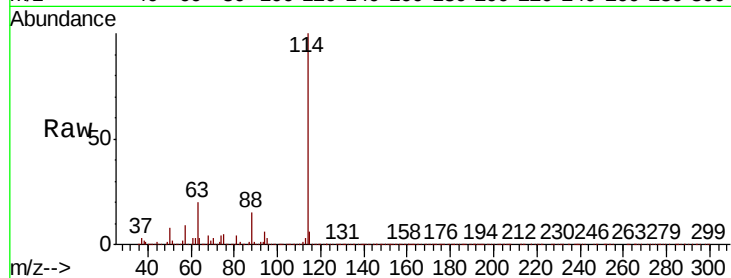
Tot Ion:114 Resp: 1103055

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

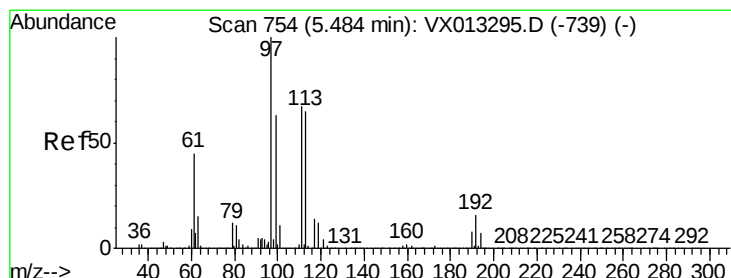
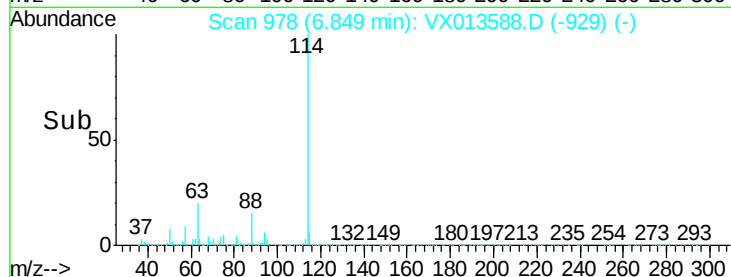
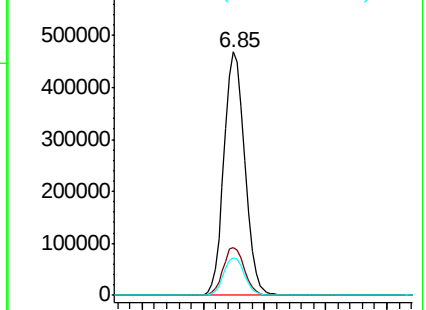
88 15.3 0.0 32.2



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: 46.945 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

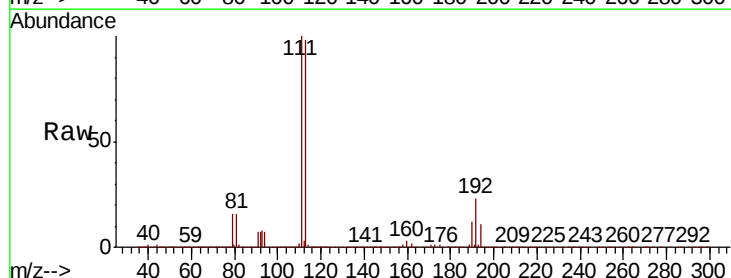
Tgt Ion:113 Resp: 324790

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

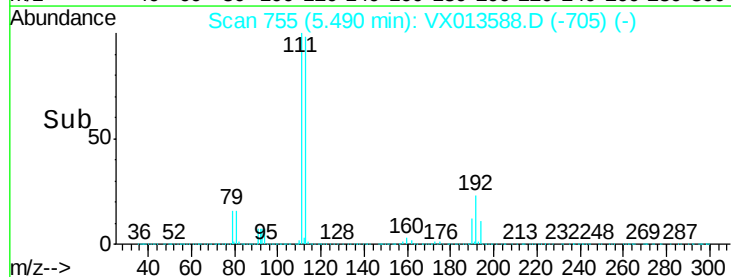
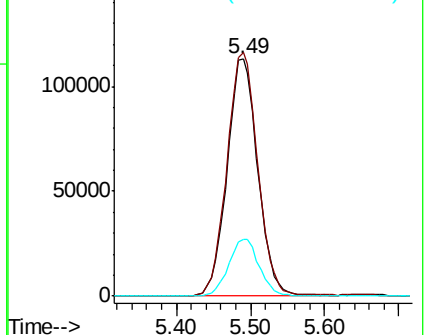
192 24.1 19.1 28.7

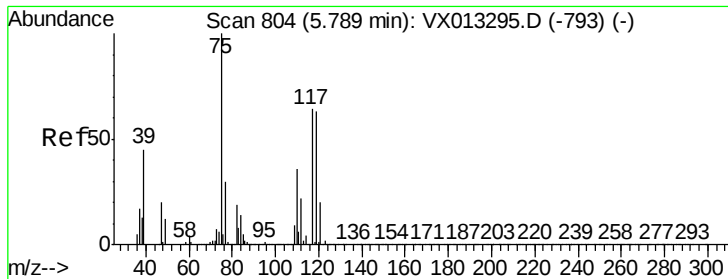


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

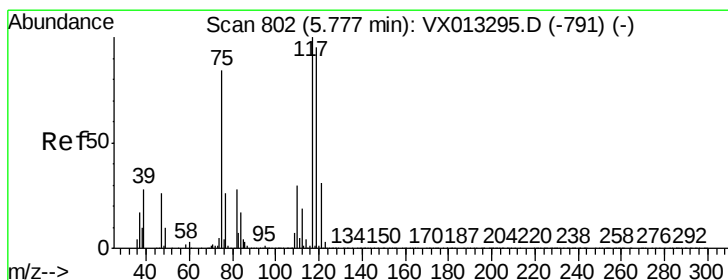
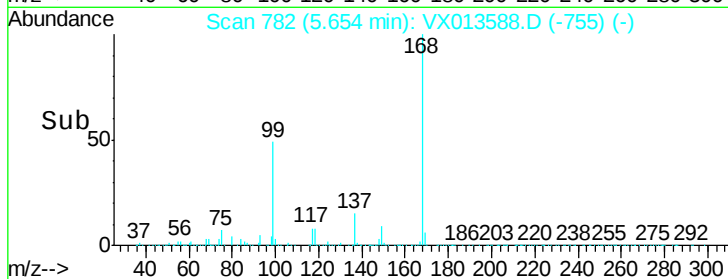
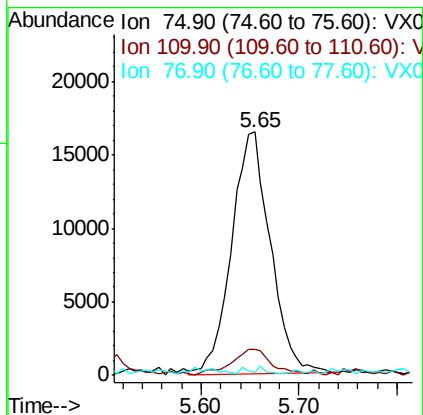
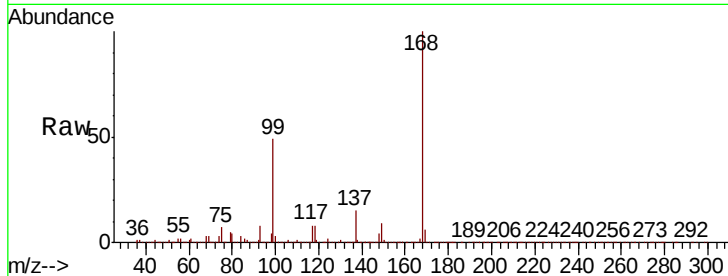




#36
 1,1-Dichloropropene
 Concen: 4.798 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

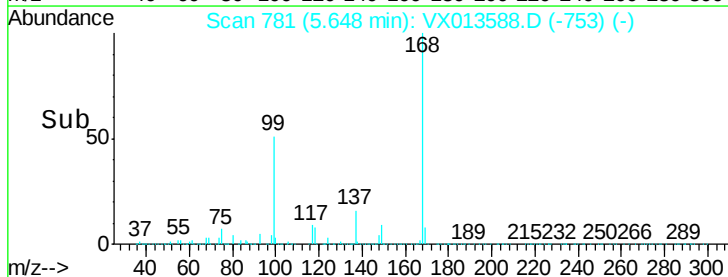
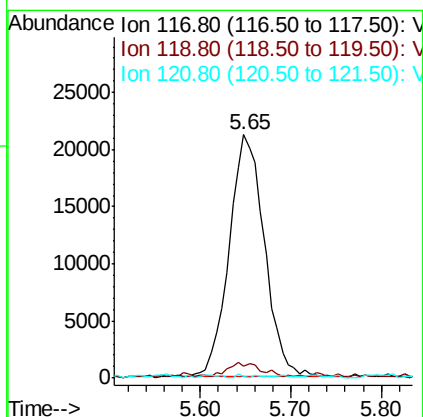
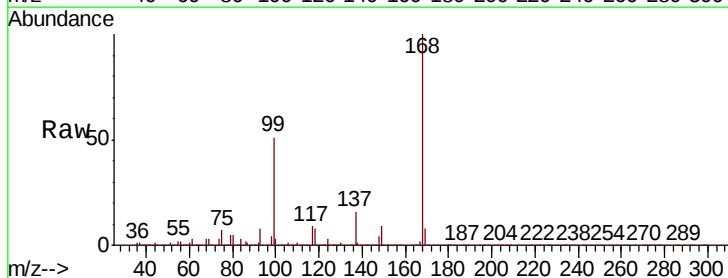
Instrument :
 MSVOA_X
 ClientSampleId :

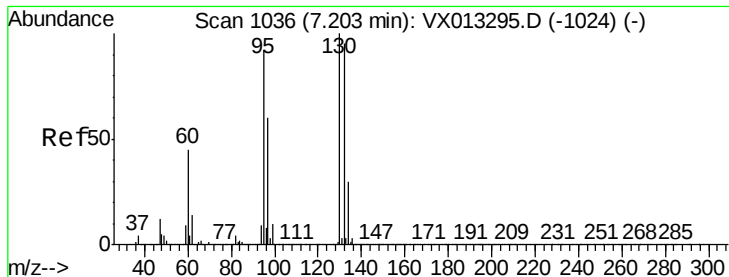
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.1	54.1#
77	0.5	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.139 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013588.D
 Acq: 25 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.1	114.1#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 0.216 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

Instrument :

MSVOA_X

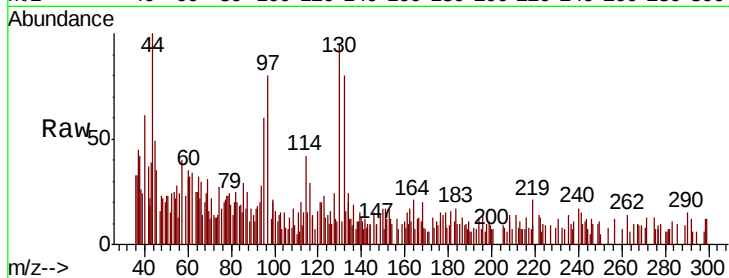
ClientSampled :

Tot Ion:130 Resp: 1749

Ion Ratio Lower Upper

130 100

95 45.7 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

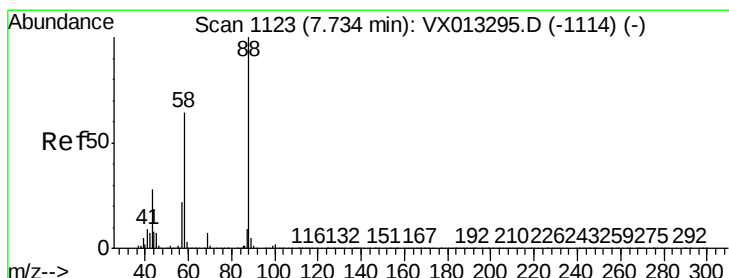
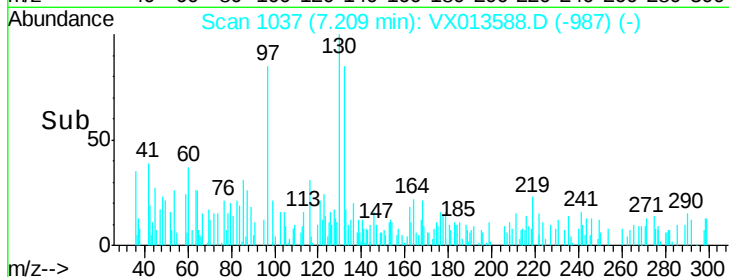
400

200

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 0.327 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

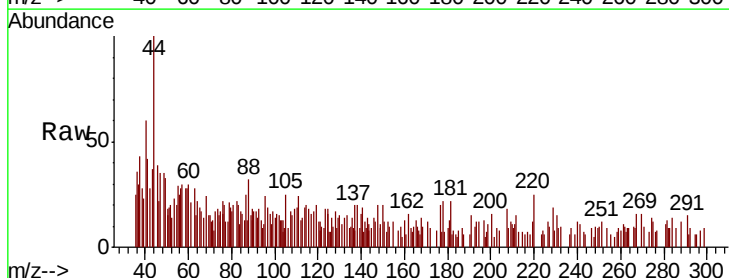
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 895.6 26.6 39.8#

58 0.0 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

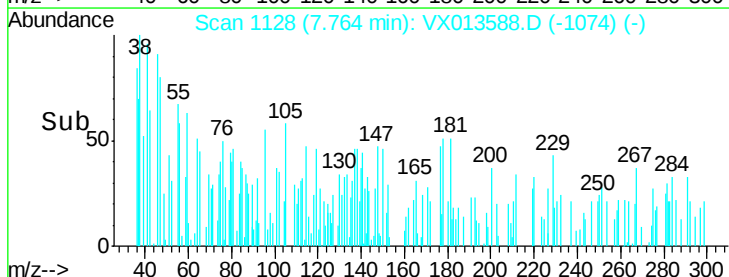
400

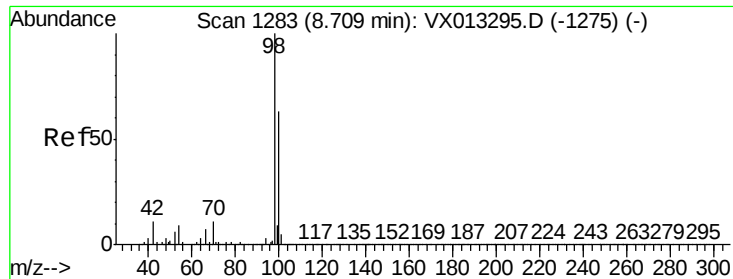
200

0

7.75 7.76 7.77 7.78

Time-->

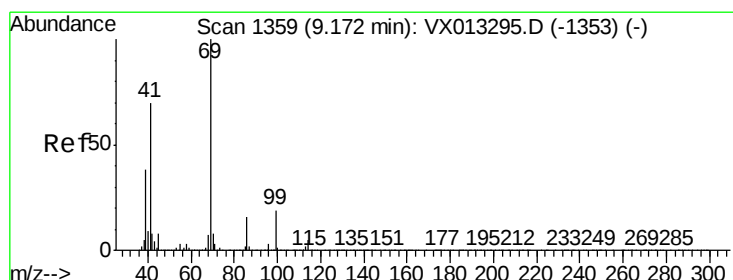
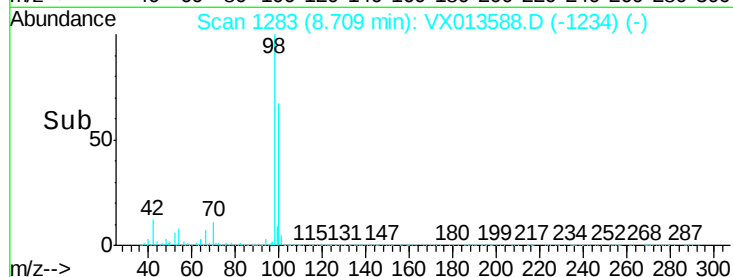
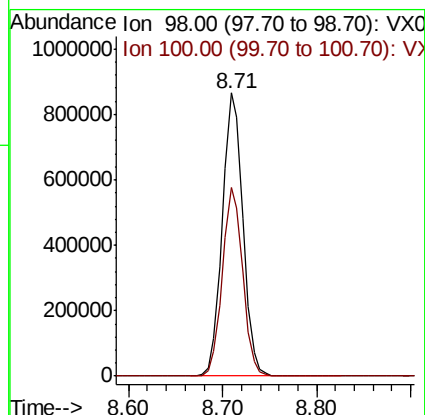
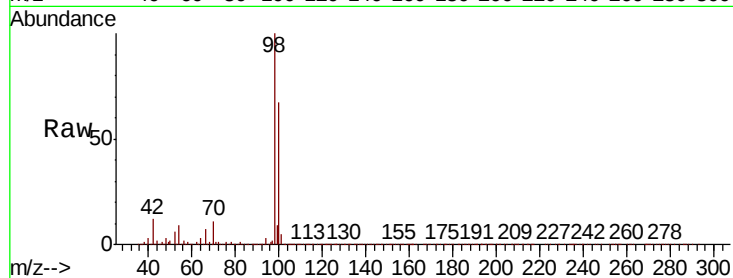




#50
Toluene-d8
Concen: 50.278 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

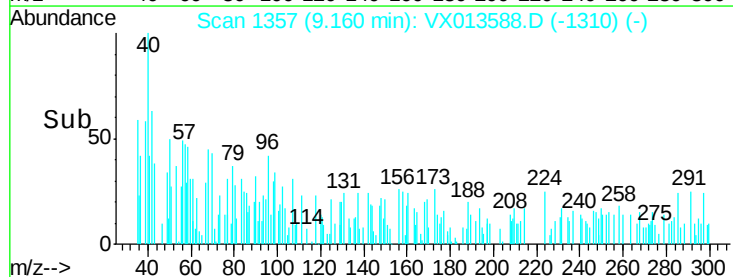
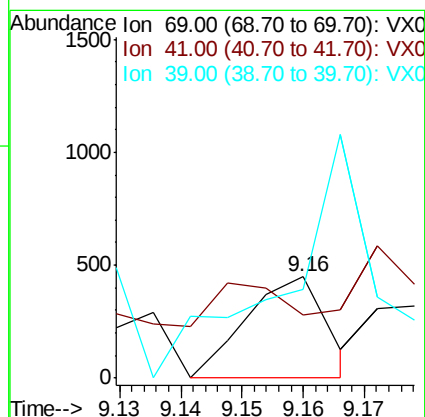
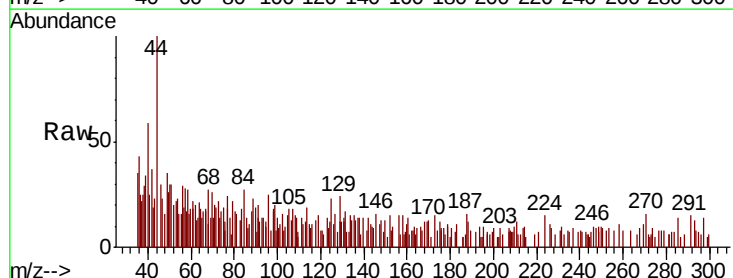
Instrument :
MSVOA_X
ClientSampleId :

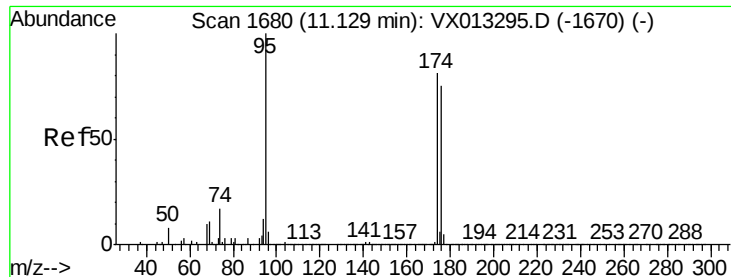
Tot Ion: 98 Resp: 1311345
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.594 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

Tgt Ion: 69 Resp: 409
Ion Ratio Lower Upper
69 100
41 127.6 56.2 84.2#
39 266.3 31.1 46.7#

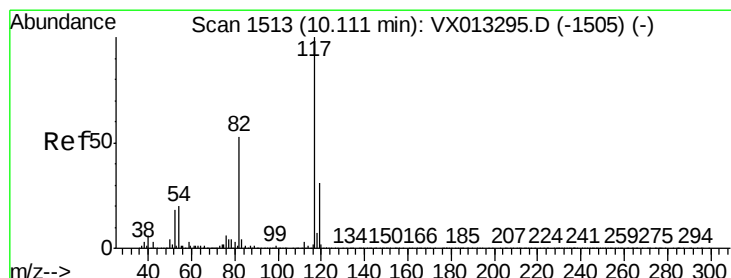
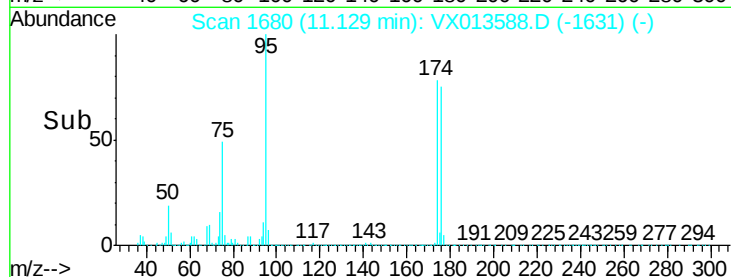
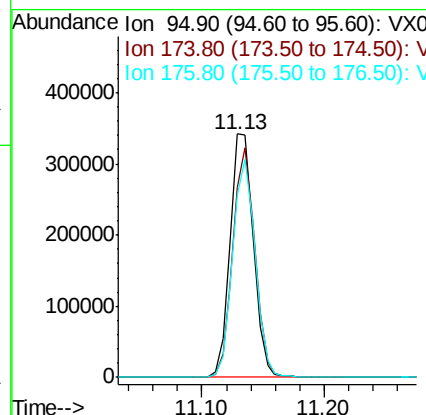
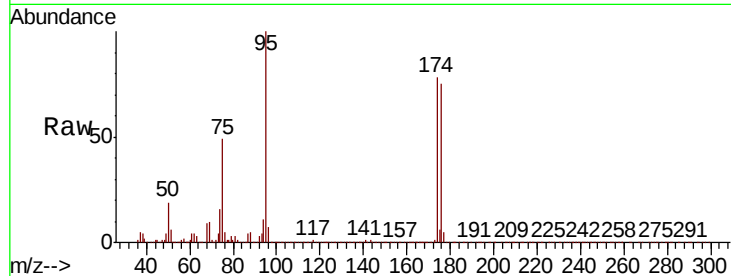




#62
4-Bromofluorobenzene
Concen: 47.778 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

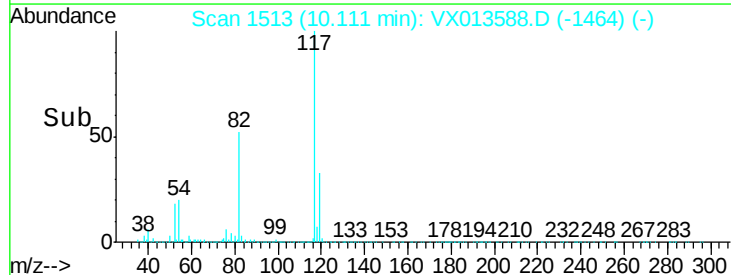
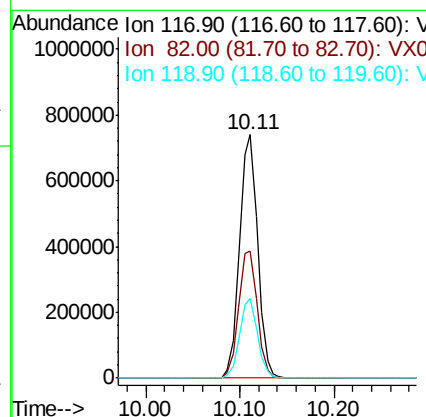
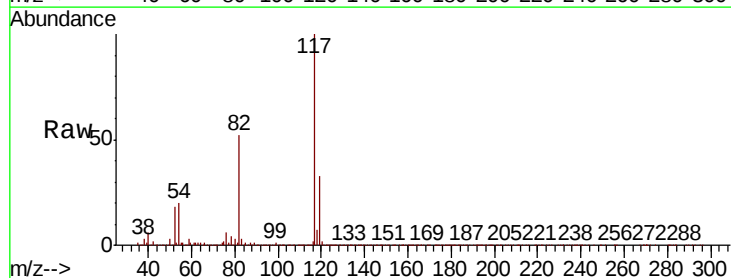
Instrument :
MSVOA_X
ClientSampleId :

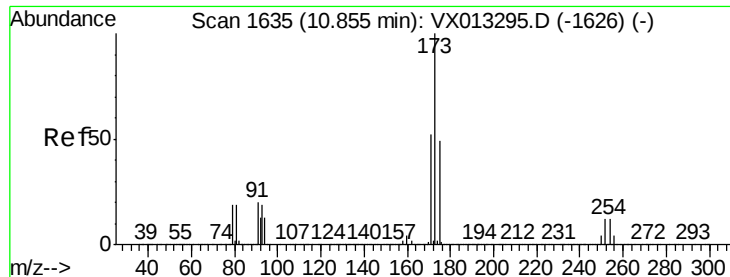
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	179.8
176	86.3	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013588.D
Acq: 25 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.6	64.0
119	32.8	24.8	37.2





#71

Bromoform

Concen: 3.219 ug/l

RT: 10.87 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

Instrument :

MSVOA_X

ClientSampled :

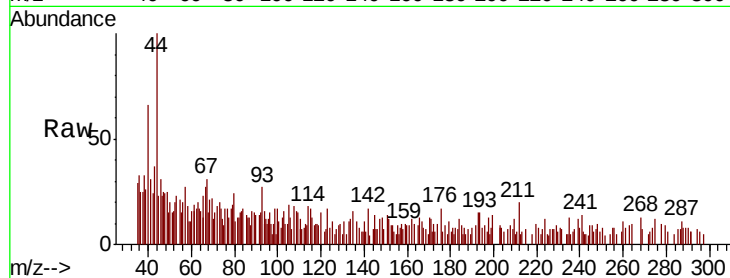
Tot Ion:173 Resp: 120

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

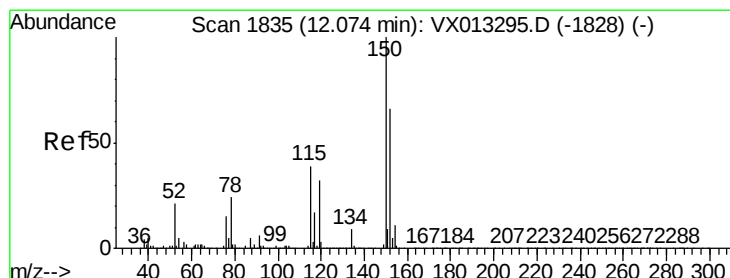
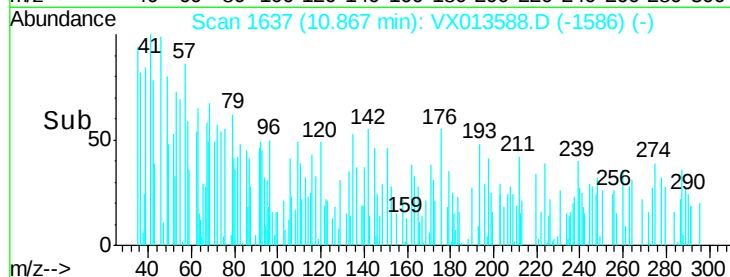
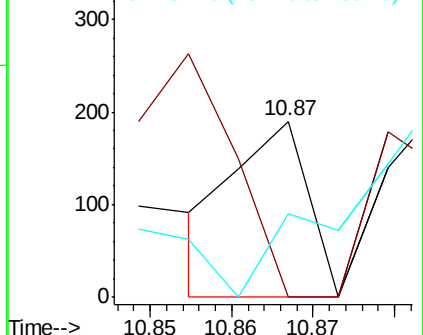
254 41.7 0.2 0.2#



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: VX013588.D

Acq: 25 Nov 2019 17:57

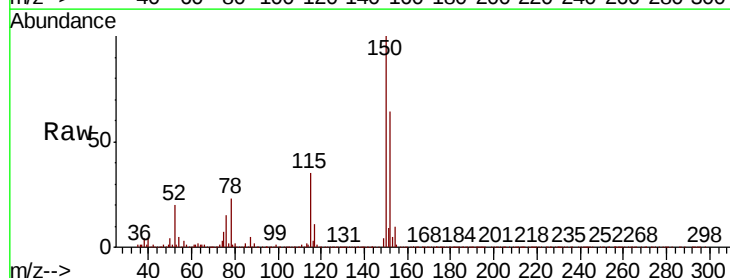
Tgt Ion:152 Resp: 457707

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

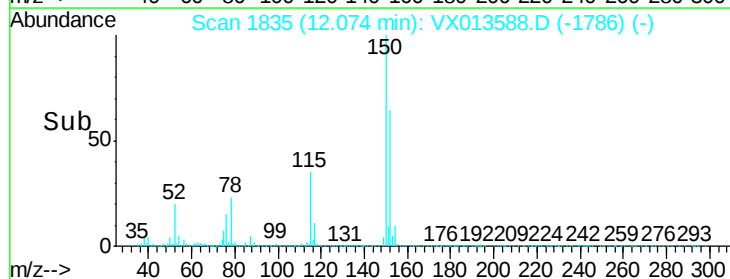
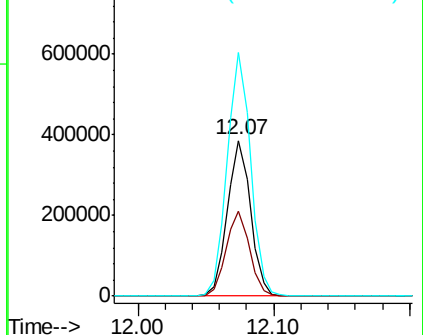
150 158.5 0.0 344.4

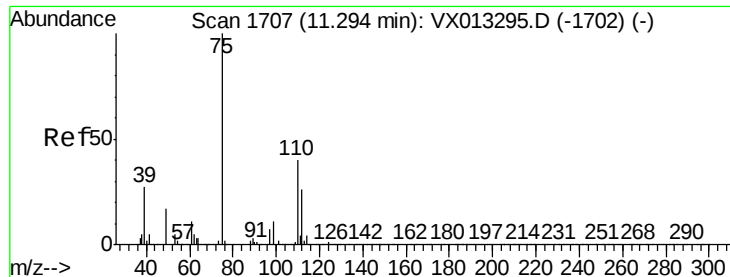


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.924 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

Instrument :

MSVOA_X

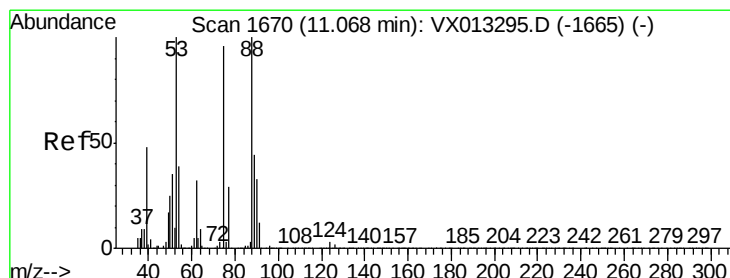
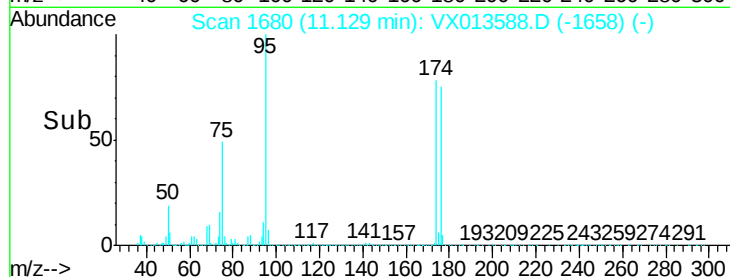
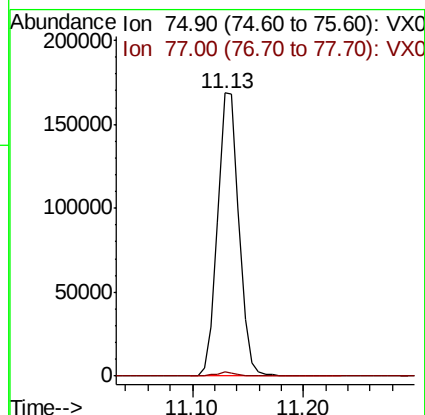
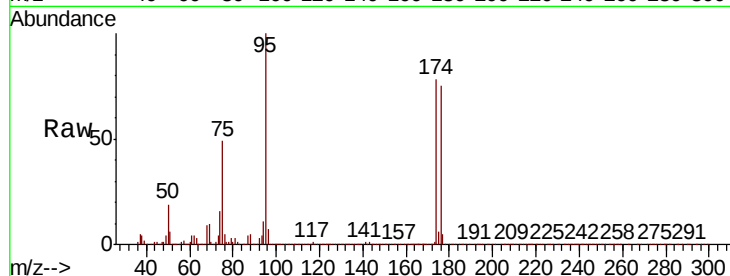
ClientSampleId :

Tot Ion: 75 Resp: 222412

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.580 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013588.D

Acq: 25 Nov 2019 17:57

Tgt Ion: 75 Resp: 222412

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 36.0 54.0#

