

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013302.D
 Acq On : 01 Nov 2019 11:37
 Operator : JC/SP
 Sample : K5626-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:26:30 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	762421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1162135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1029993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	484556	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	441955	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.48	113	351594	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1392357	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.13	95	465695	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

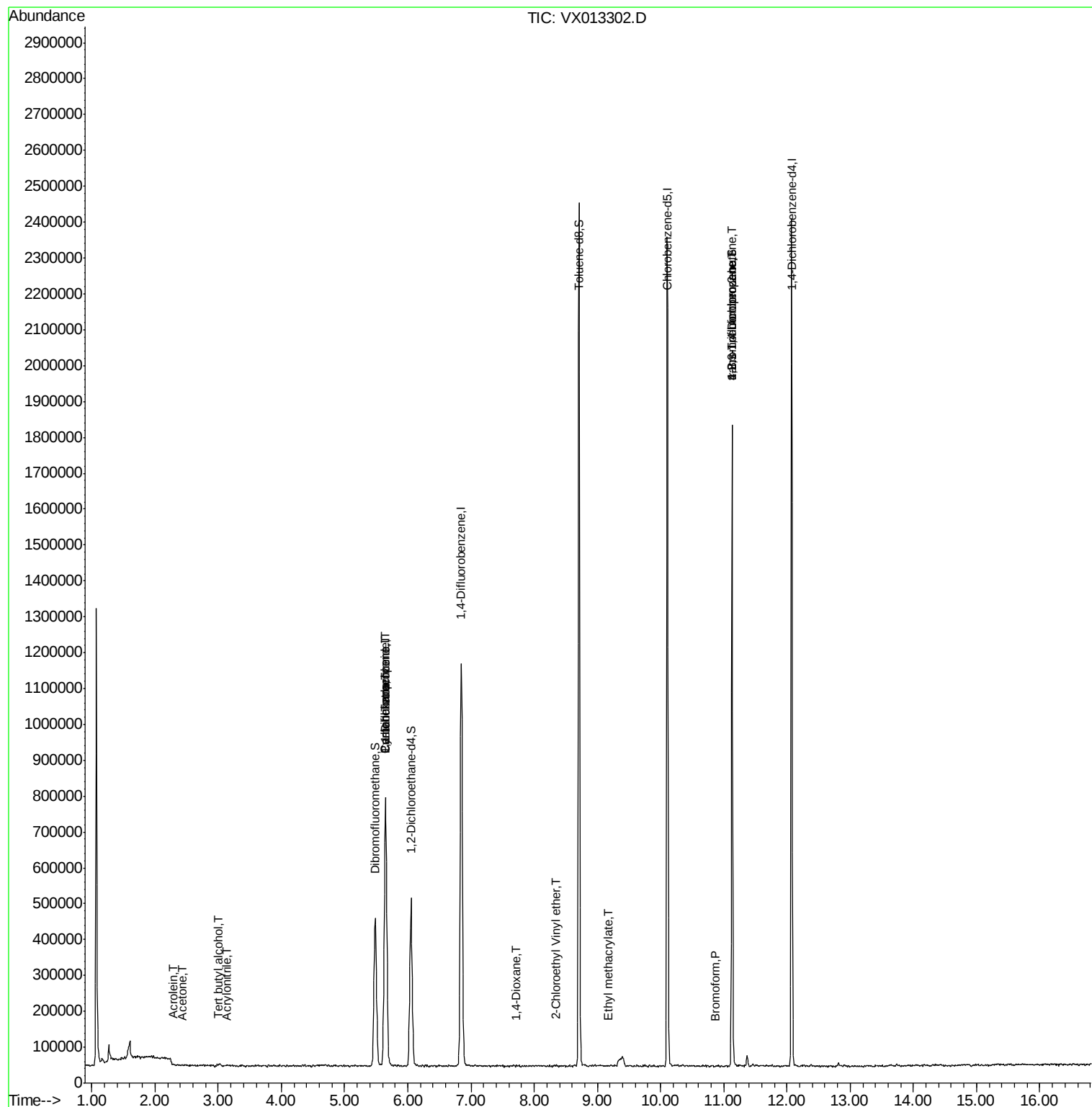
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1482	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	4735	1.989	ug/l #	86
13) Acrolein	2.28	56	1208	0.936	ug/l #	79
15) Acrylonitrile	3.13	53	907	0.204	ug/l #	71
16) Acetone	2.44	43	1914	0.425	ug/l	97
31) Cyclohexane	5.64	56	14150	1.146	ug/l #	16
36) 1,1-Dichloropropene	5.65	75	51574	5.173	ug/l #	51
38) Carbon Tetrachloride	5.65	117	67835	6.958	ug/l #	17
49) 1,4-Dioxane	7.71	88	327	1.491	ug/l #	1
56) Ethyl methacrylate	9.18	69	237	1.580	ug/l #	22
58) 2-Chloroethyl Vinyl ether	8.34	63	1537	0.282	ug/l	90
71) Bromoform	10.86	173	539	3.274	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	236470	24.027	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	236470	61.844	ug/l #	9

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

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MSVOA_X
ClientSampled :

Quant Time: Nov 04 00:26:30 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: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :

MSVOA_X

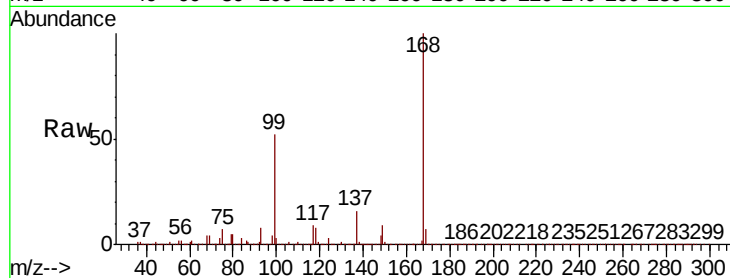
ClientSampleId :

Tot Ion:168 Resp: 762421

Ion Ratio Lower Upper

168 100

99 51.7 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

250000

200000

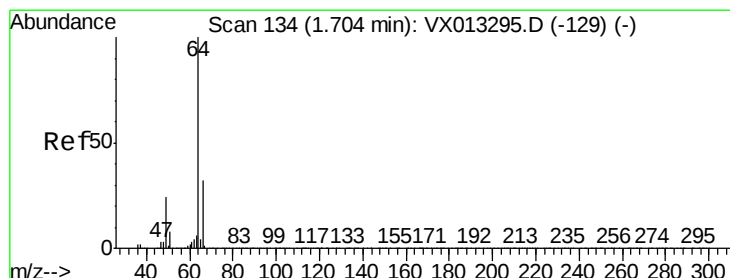
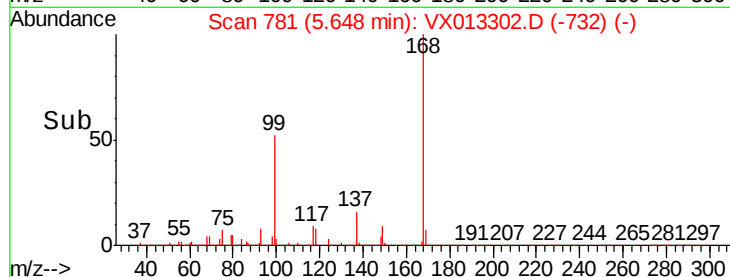
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX013302.D

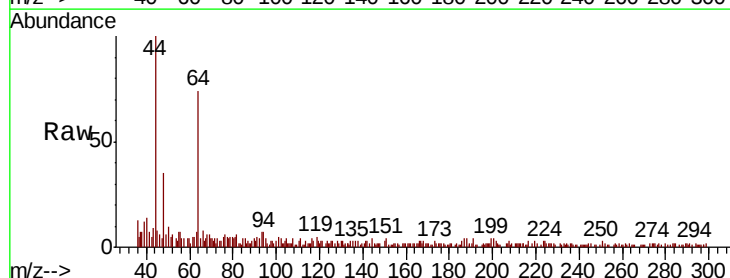
Acq: 01 Nov 2019 11:37

Tgt Ion: 64 Resp: 1482

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

6000

5000

4000

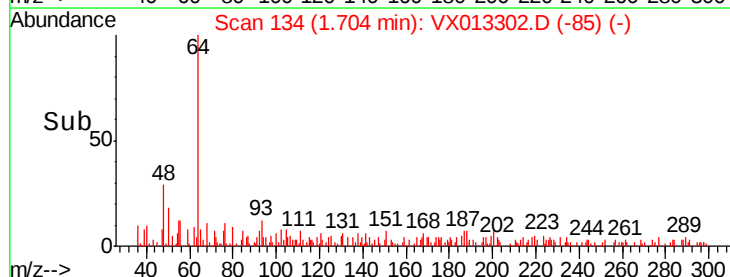
3000

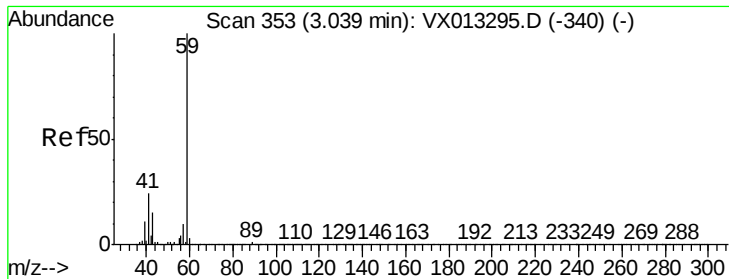
2000

1000

0

Time-->

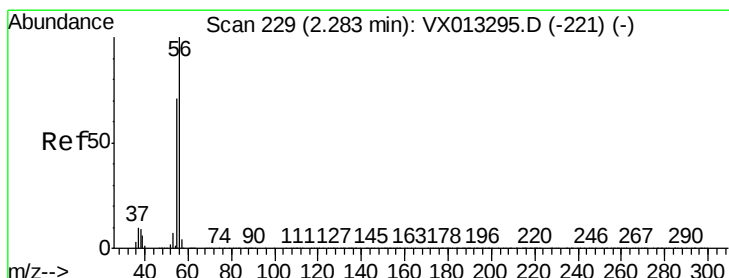
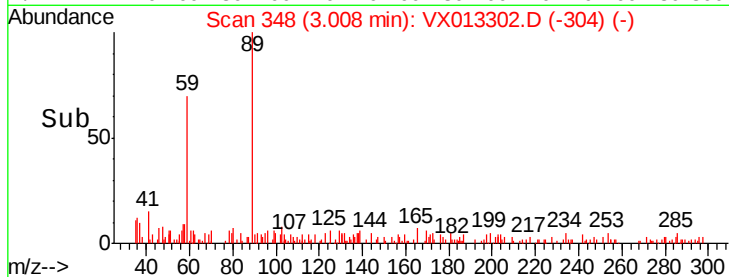
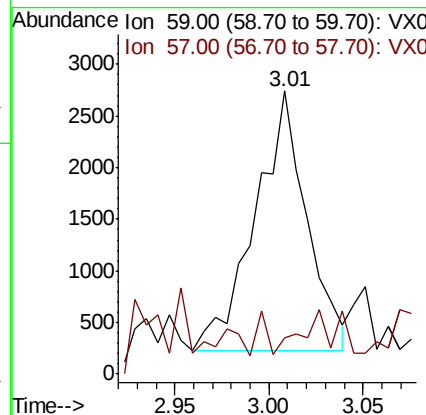
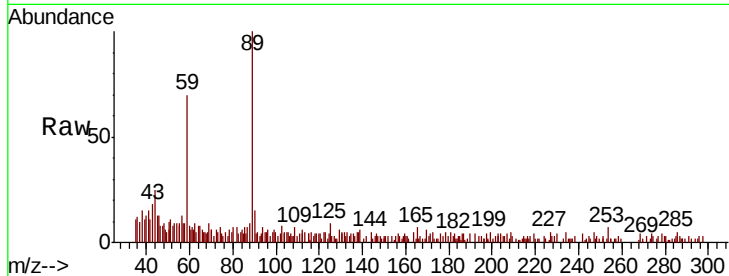




#11
Tert butyl alcohol
Concen: 1.989 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

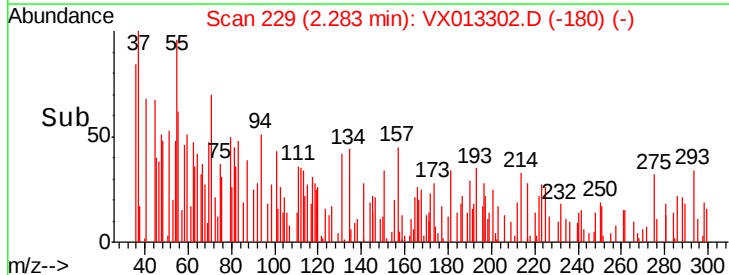
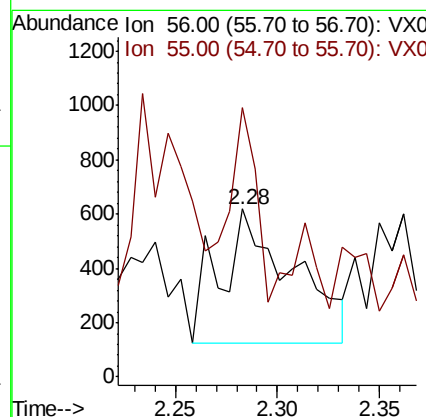
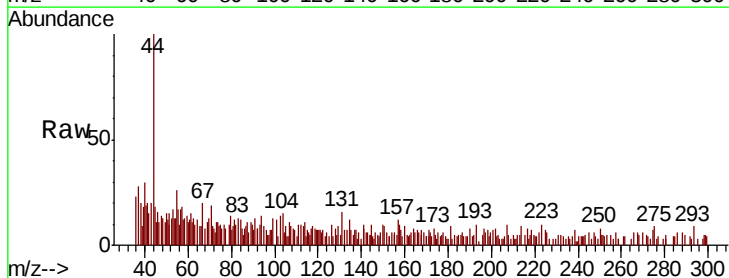
Instrument :
MSVOA_X
ClientSampled :

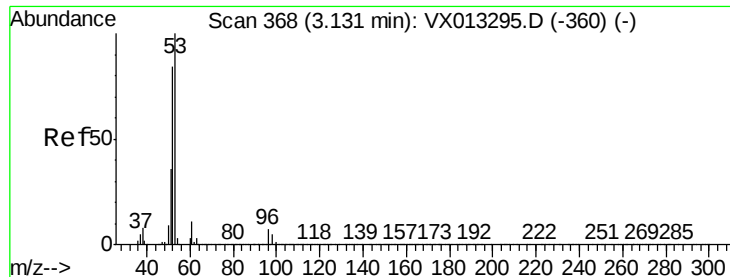
Tot Ion: 59 Resp: 4735
Ion Ratio Lower Upper
59 100
57 4.8 8.0 12.0#



#13
Acrolein
Concen: 0.936 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

Tgt Ion: 56 Resp: 1208
Ion Ratio Lower Upper
56 100
55 54.6 57.4 86.0#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

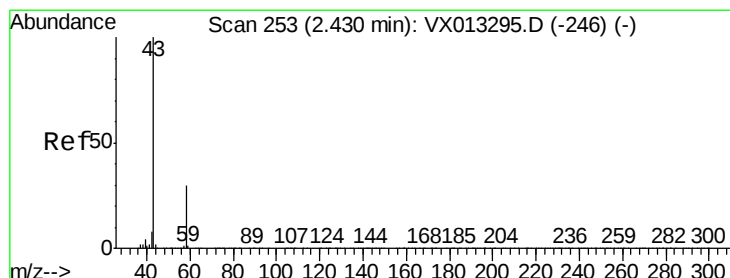
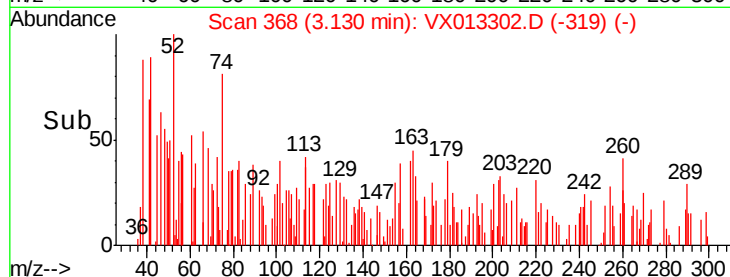
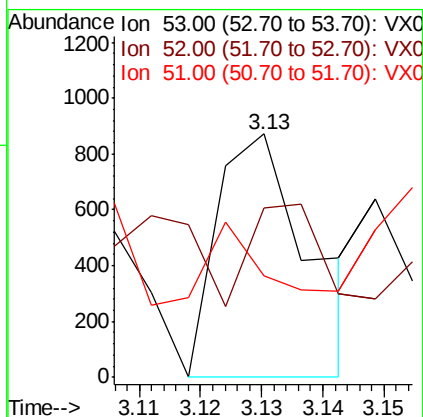
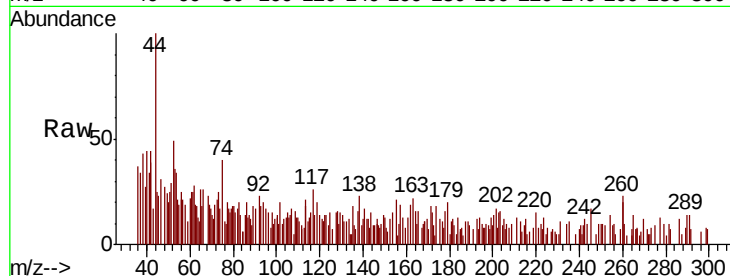
Tot Ion: 53 Resp: 907

Ion Ratio Lower Upper

53 100

52 53.1 67.4 101.0#

51 26.7 29.4 44.2#



#16

Acetone

Concen: 0.425 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013302.D

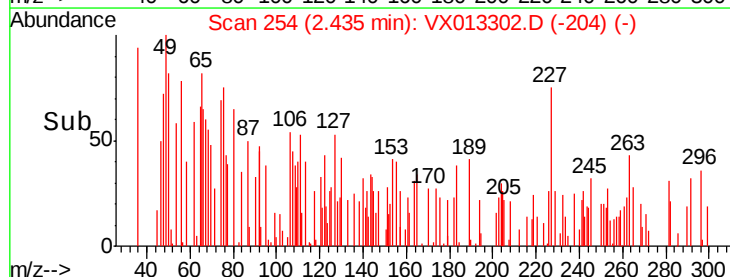
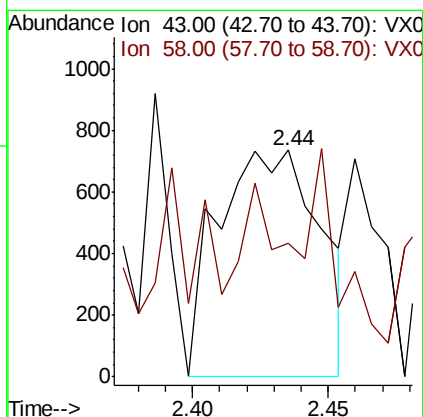
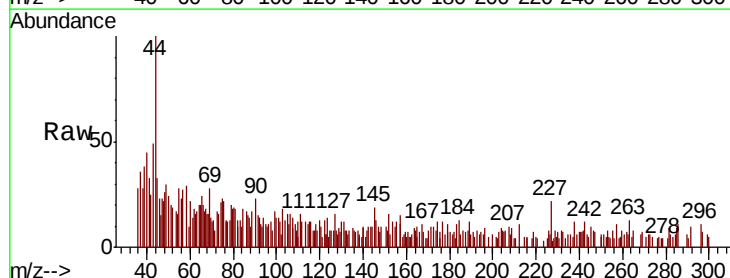
Acq: 01 Nov 2019 11:37

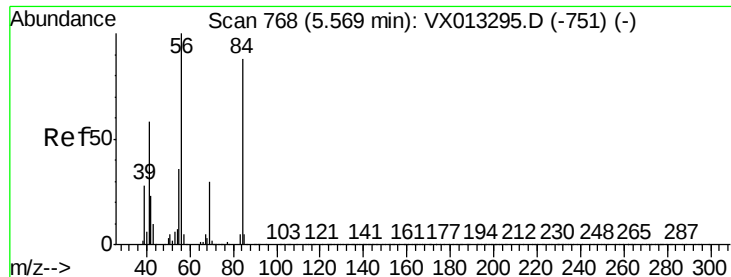
Tgt Ion: 43 Resp: 1914

Ion Ratio Lower Upper

43 100

58 28.7 24.3 36.5

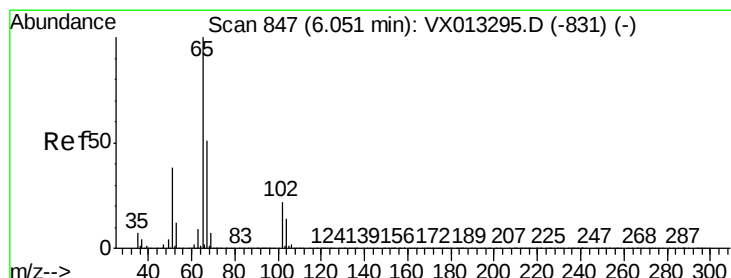
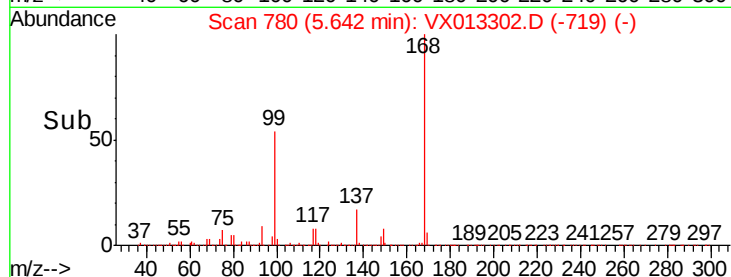
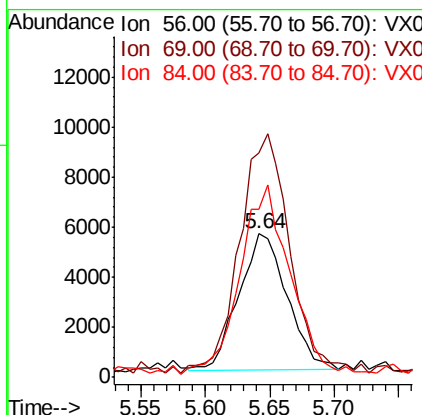
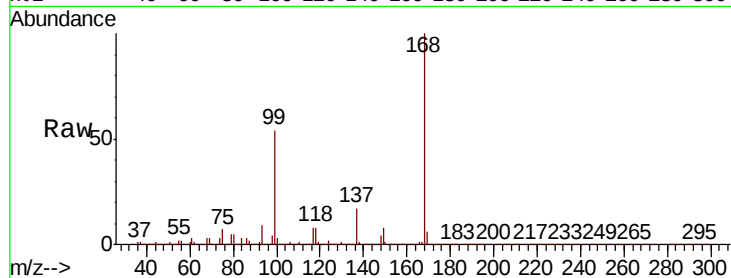




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

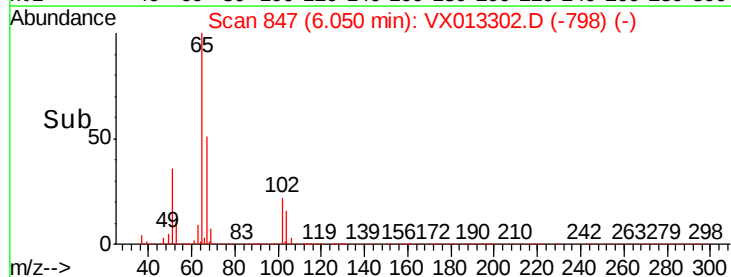
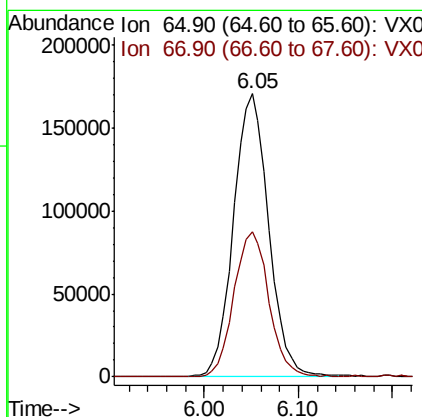
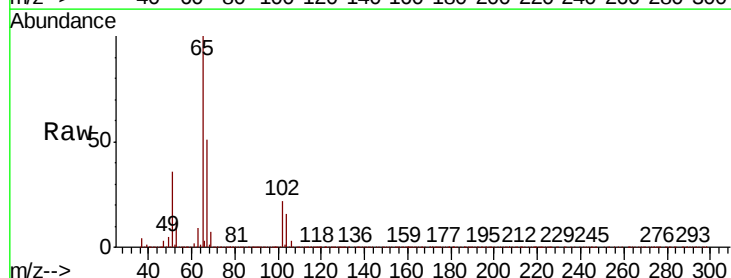
Instrument :
MSVOA_X
ClientSampleId :

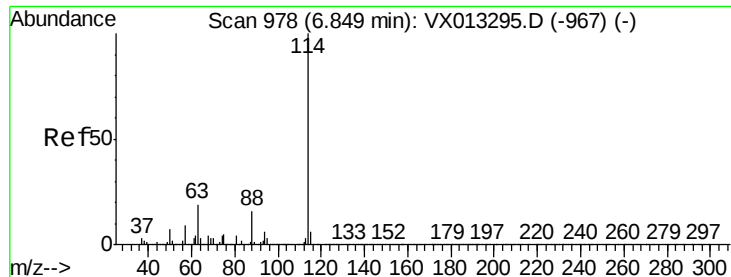
Tot Ion: 56 Resp: 14150
Ion Ratio Lower Upper
56 100
69 157.7 23.7 35.5#
84 118.3 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 48.930 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

Tgt Ion: 65 Resp: 441955
Ion Ratio Lower Upper
65 100
67 51.1 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: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

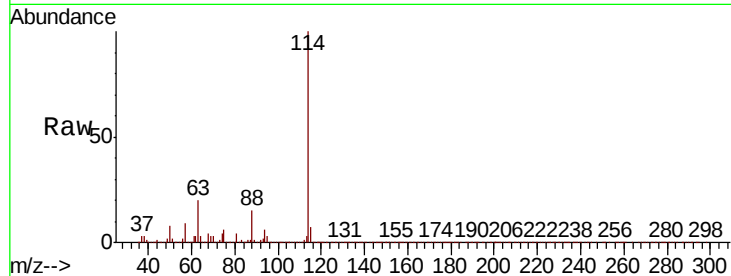
Tot Ion:114 Resp: 1162135

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

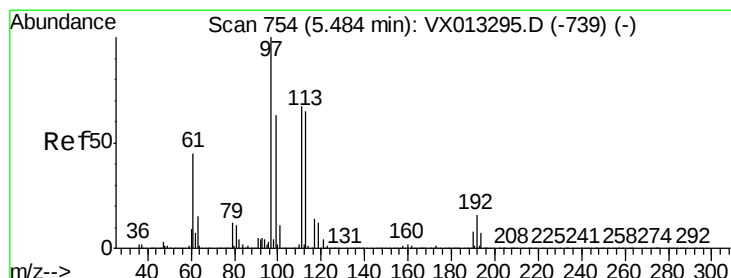
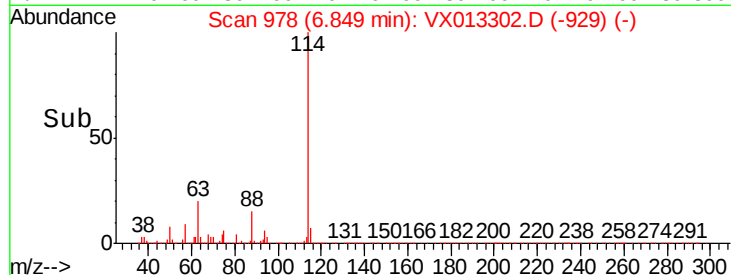
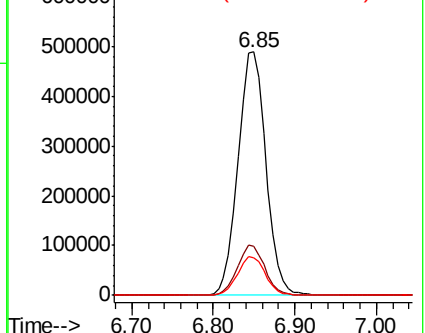
88 15.4 0.0 32.2



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: 48.236 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

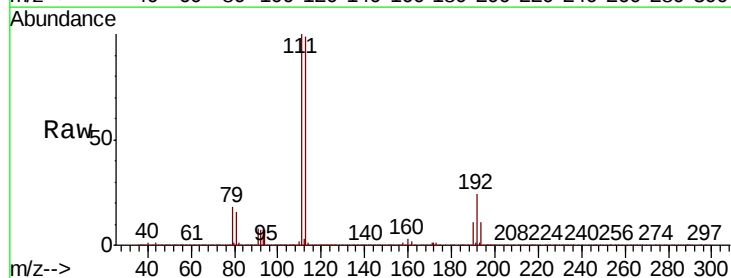
Tgt Ion:113 Resp: 351594

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

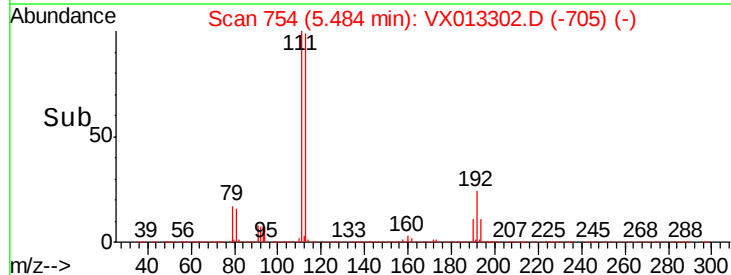
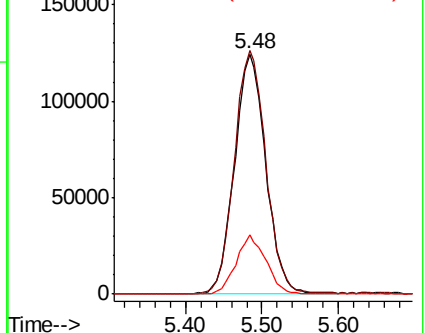
192 23.3 19.1 28.7

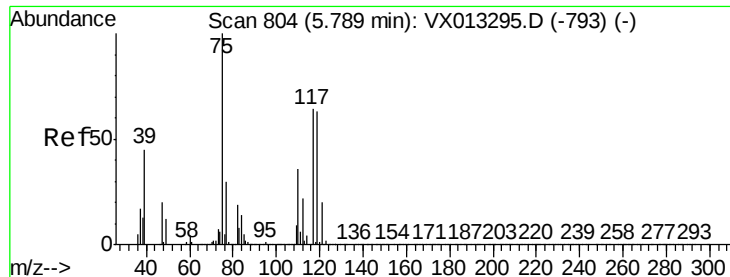


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 5.65 min Scan# 781

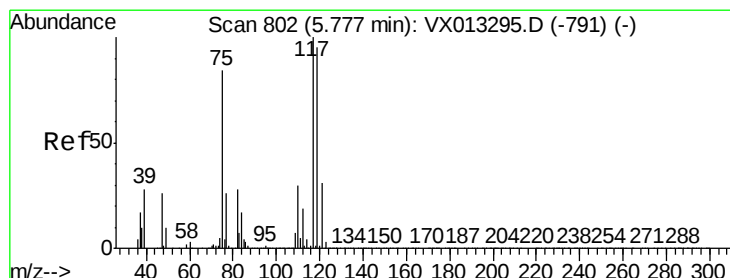
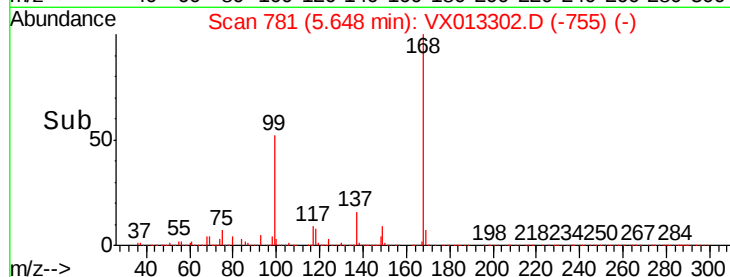
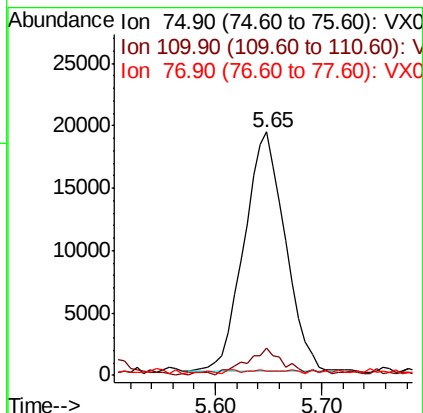
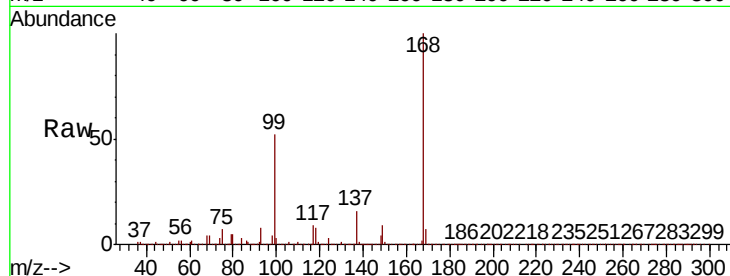
Delta R.T. -0.14 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	51574
Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.1	54.1#
77	0.2	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.958 ug/l

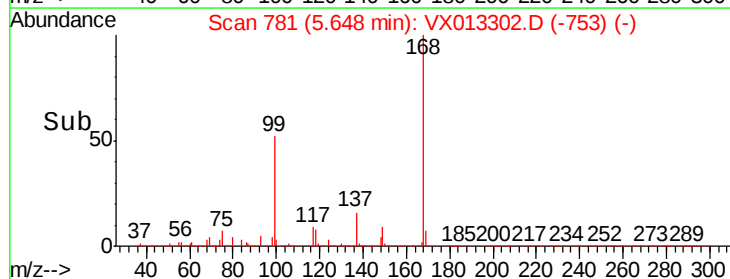
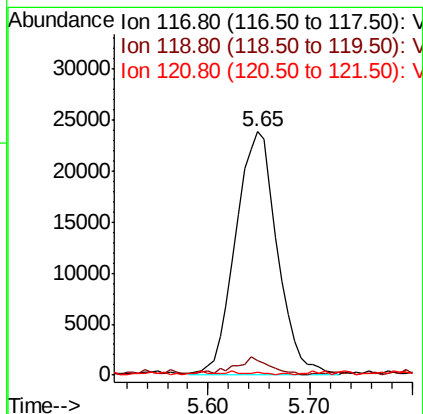
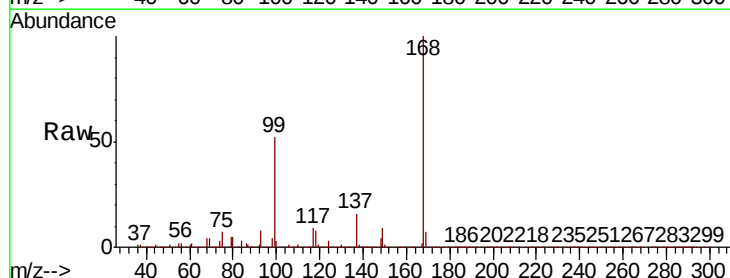
RT: 5.65 min Scan# 781

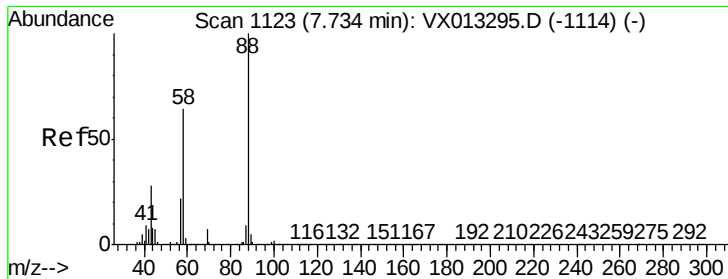
Delta R.T. -0.13 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

Tgt Ion:	117	Resp:	67835
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.6	24.6	37.0#





#49

1,4-Dioxane

Concen: 1.491 ug/l

RT: 7.71 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :
MSVOA_X
ClientSampled :

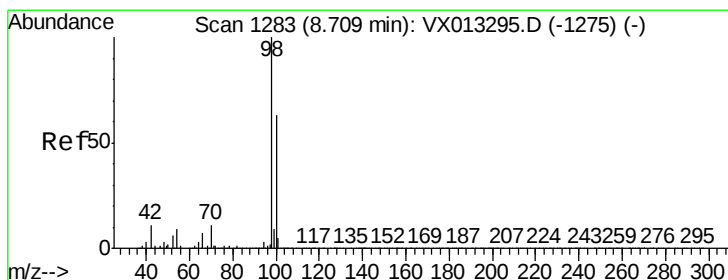
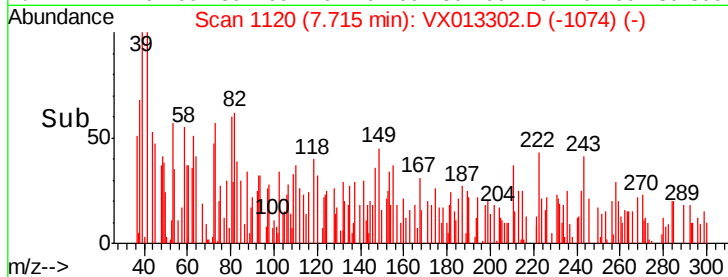
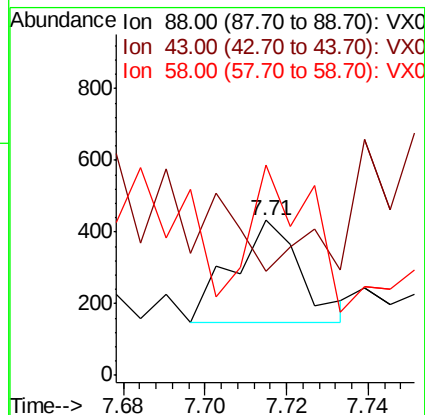
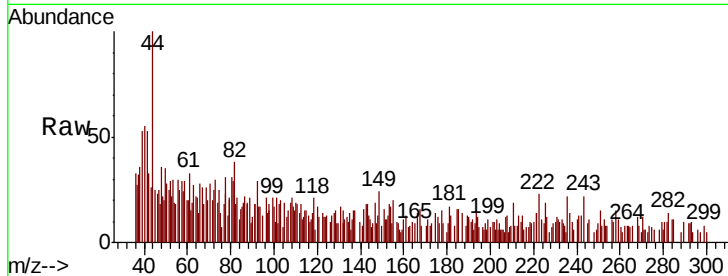
Tot Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 201.5 55.0 82.6#



#50

Toluene-d8

Concen: 50.670 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013302.D

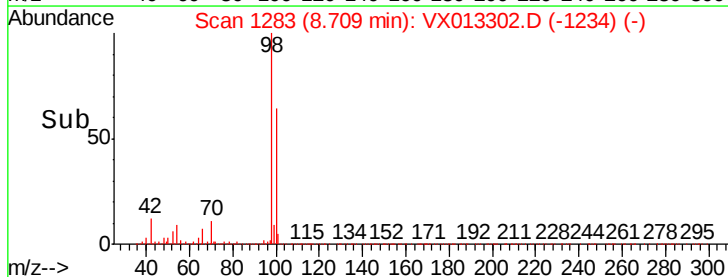
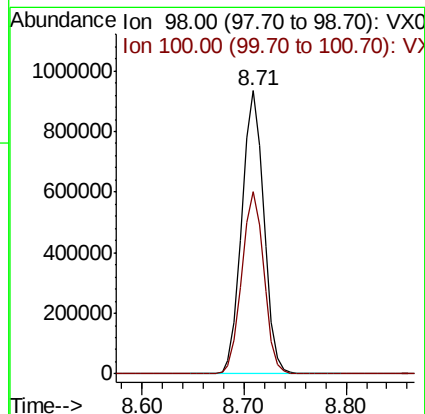
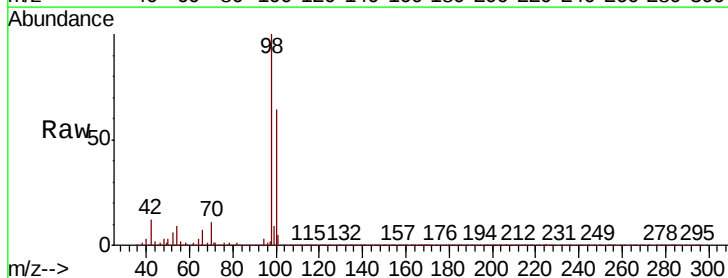
Acq: 01 Nov 2019 11:37

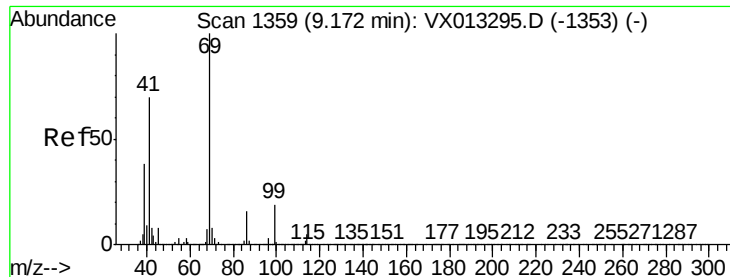
Tgt Ion: 98 Resp: 1392357

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2

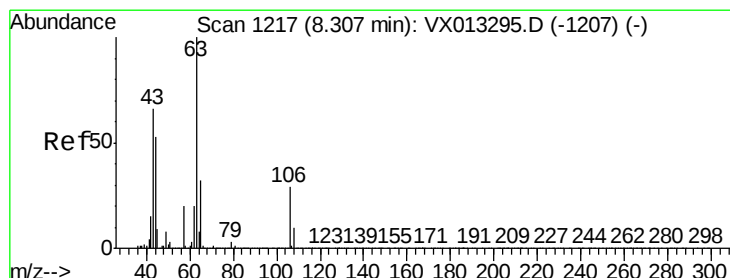
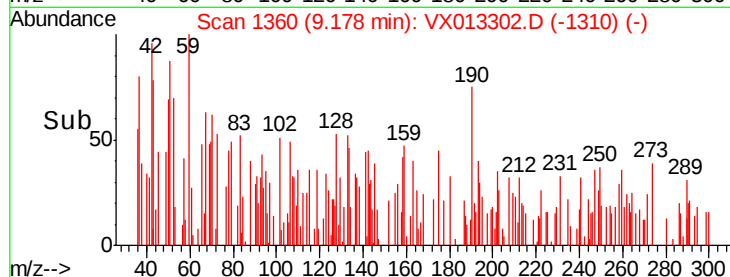
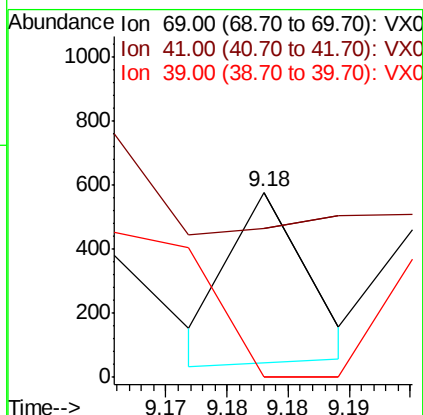
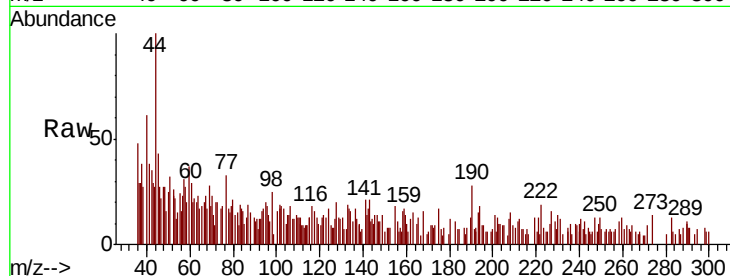




#56
Ethyl methacrylate
Concen: 1.580 ug/l
RT: 9.18 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

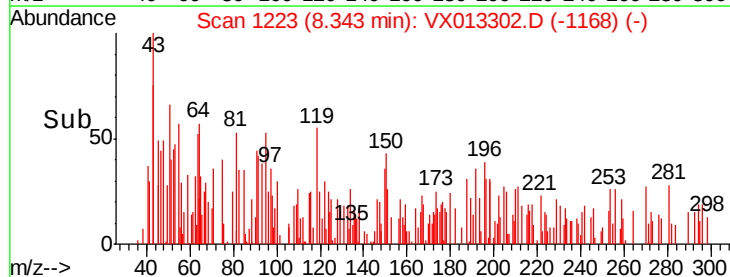
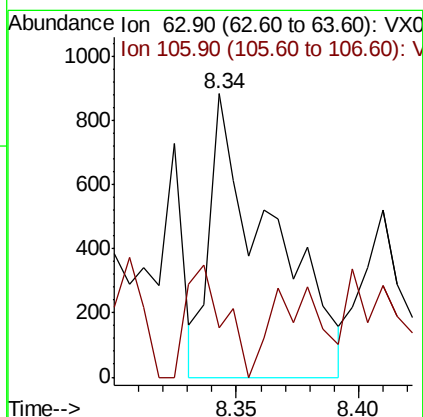
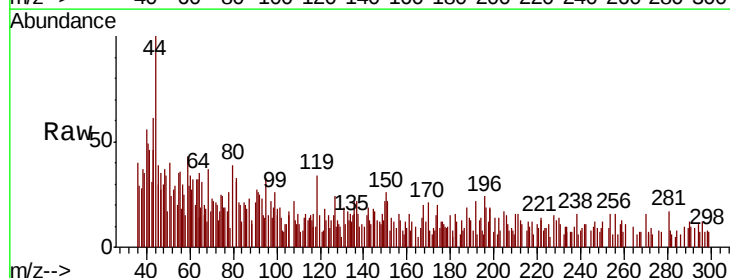
Instrument :
MSVOA_X
ClientSampled :

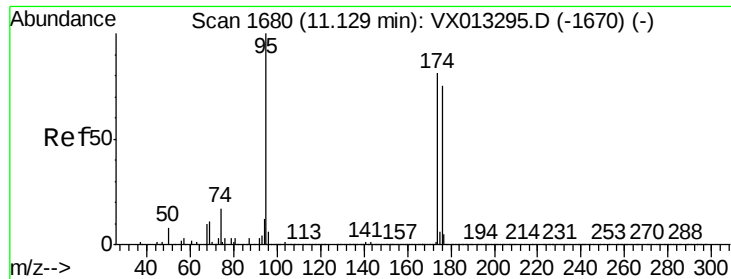
Tot Ion: 69 Resp: 237
Ion Ratio Lower Upper
69 100
41 0.0 56.2 84.2#
39 0.0 31.1 46.7#



#58
2-Chloroethyl Vinyl ether
Concen: 0.282 ug/l
RT: 8.34 min Scan# 1223
Delta R.T. 0.04 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

Tgt Ion: 63 Resp: 1537
Ion Ratio Lower Upper
63 100
106 23.9 23.4 35.2

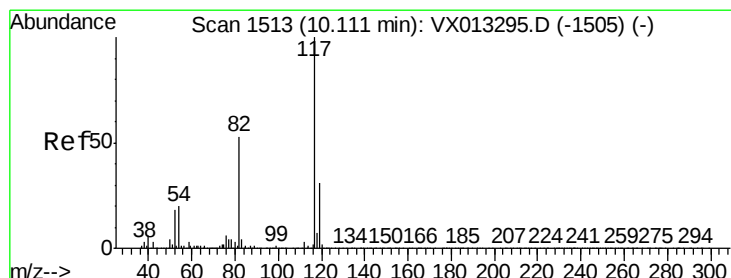
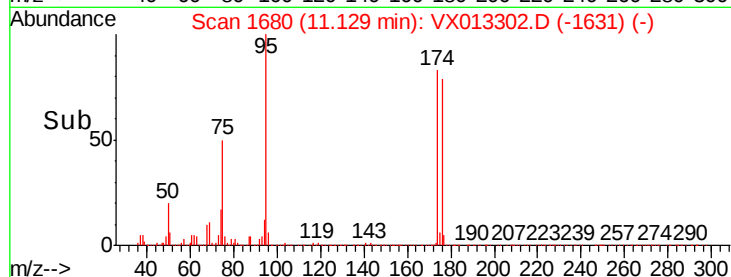
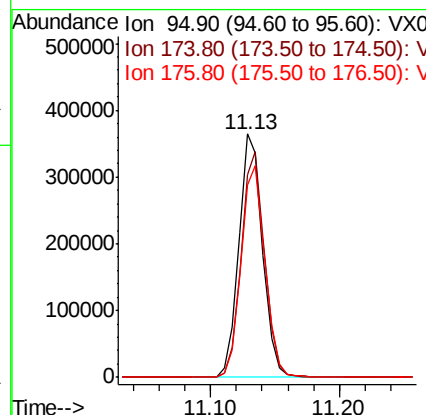
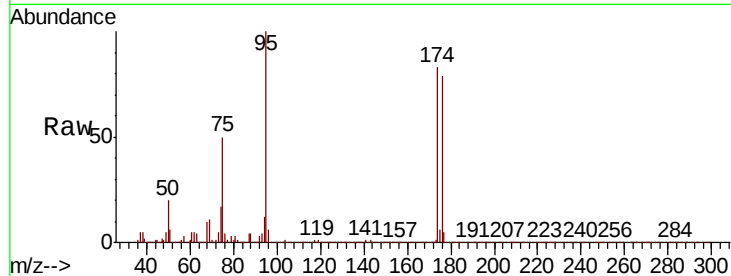




#62
4-Bromofluorobenzene
Concen: 46.958 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

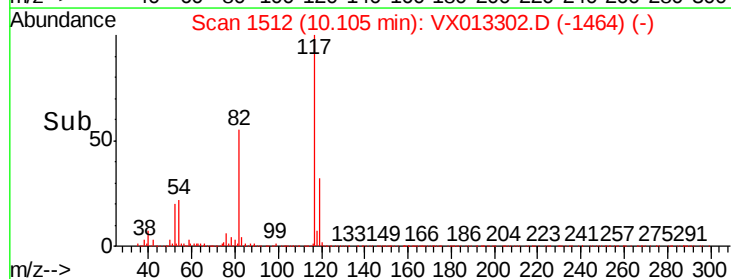
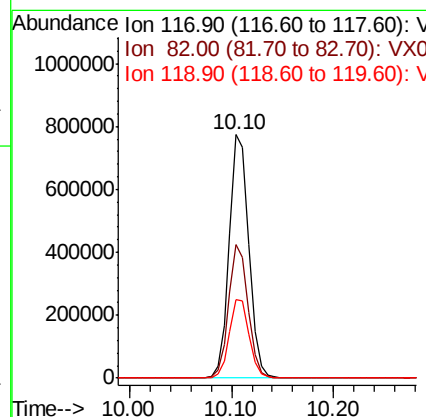
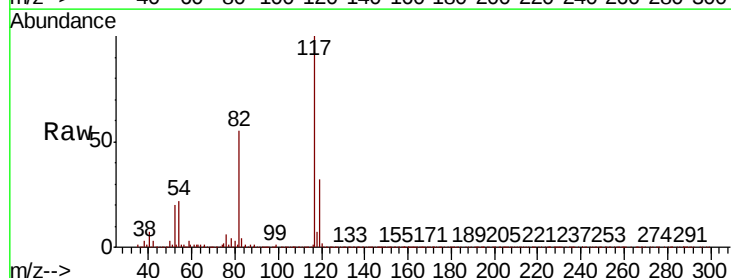
Instrument :
MSVOA_X
ClientSampleId :

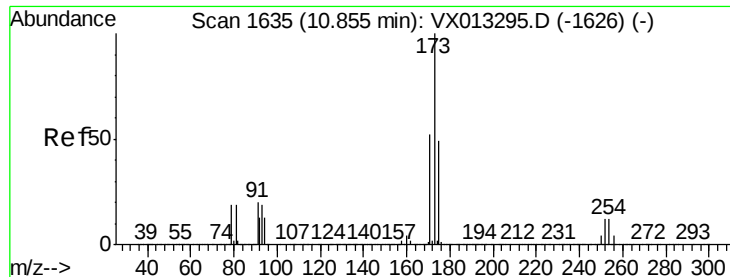
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	179.8
176	87.5	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.6	64.0
119	32.3	24.8	37.2

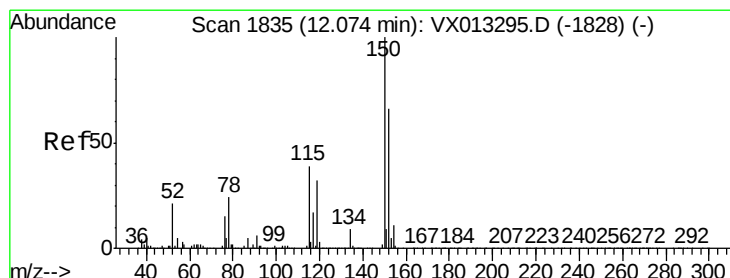
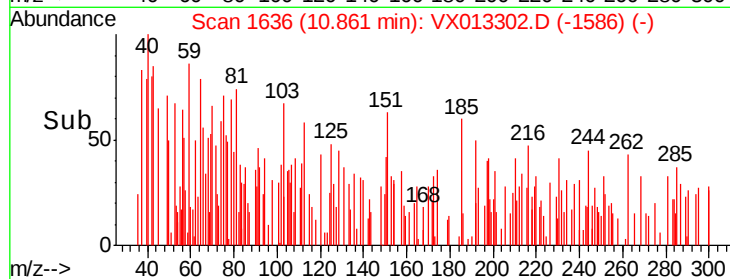
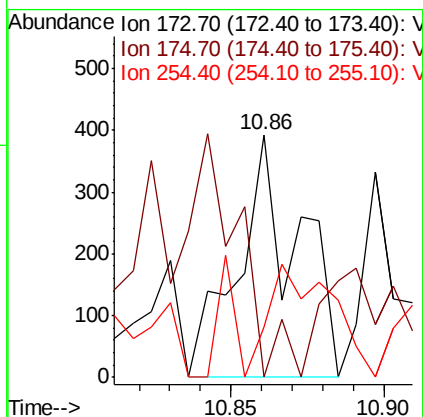
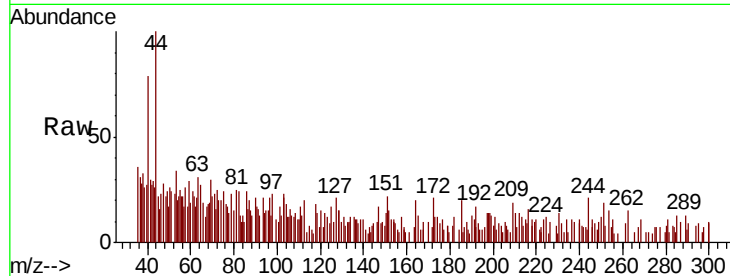




#71
Bromoform
Concen: 3.274 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

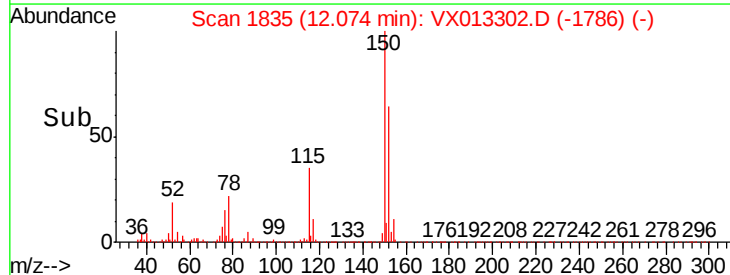
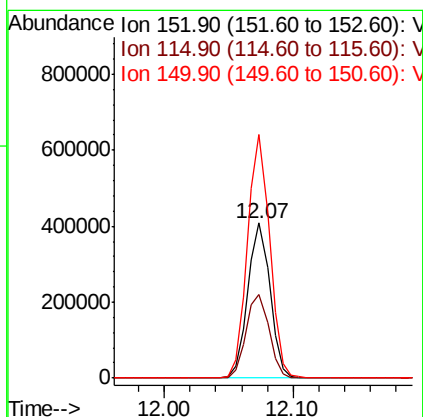
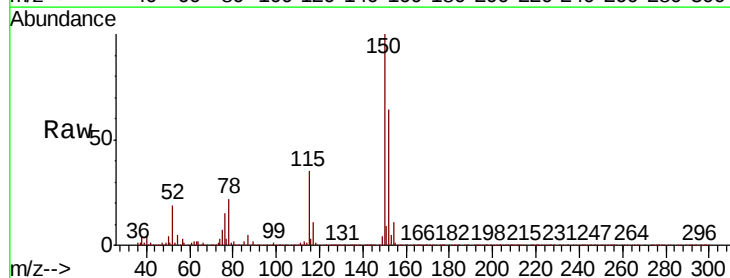
Instrument :
MSVOA_X
ClientSampled :

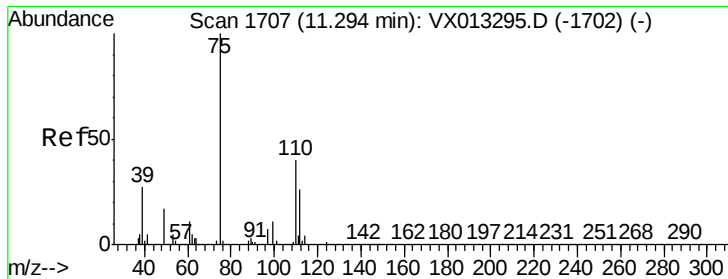
Tot Ion:173 Resp: 539
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 48.8 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013302.D
Acq: 01 Nov 2019 11:37

Tgt Ion:152 Resp: 484556
Ion Ratio Lower Upper
152 100
115 56.2 39.5 118.3
150 156.3 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.027 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.17 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

Instrument :

MSVOA_X

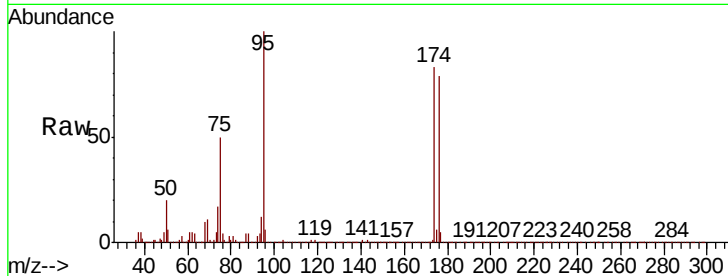
ClientSampleId :

Tot Ion: 75 Resp: 236470

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

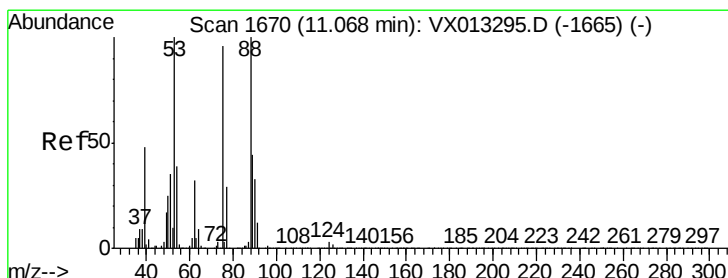
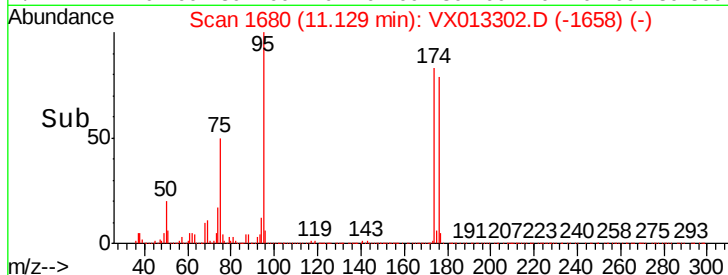
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.844 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013302.D

Acq: 01 Nov 2019 11:37

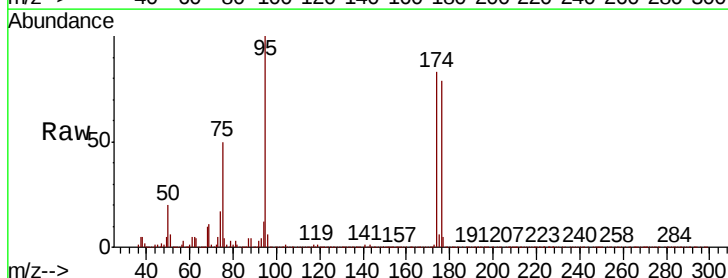
Tgt Ion: 75 Resp: 236470

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 36.0 54.0#



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

250000

200000

150000

100000

50000

0

Time-->

