

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013590.D
 Acq On : 25 Nov 2019 18:43
 Operator : JC/SP
 Sample : K5968-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 26 03:16:57 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	680447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1102420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	989608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	453577	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	404421	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	5.49	113	329845	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	8.71	98	1330445	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	446895	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

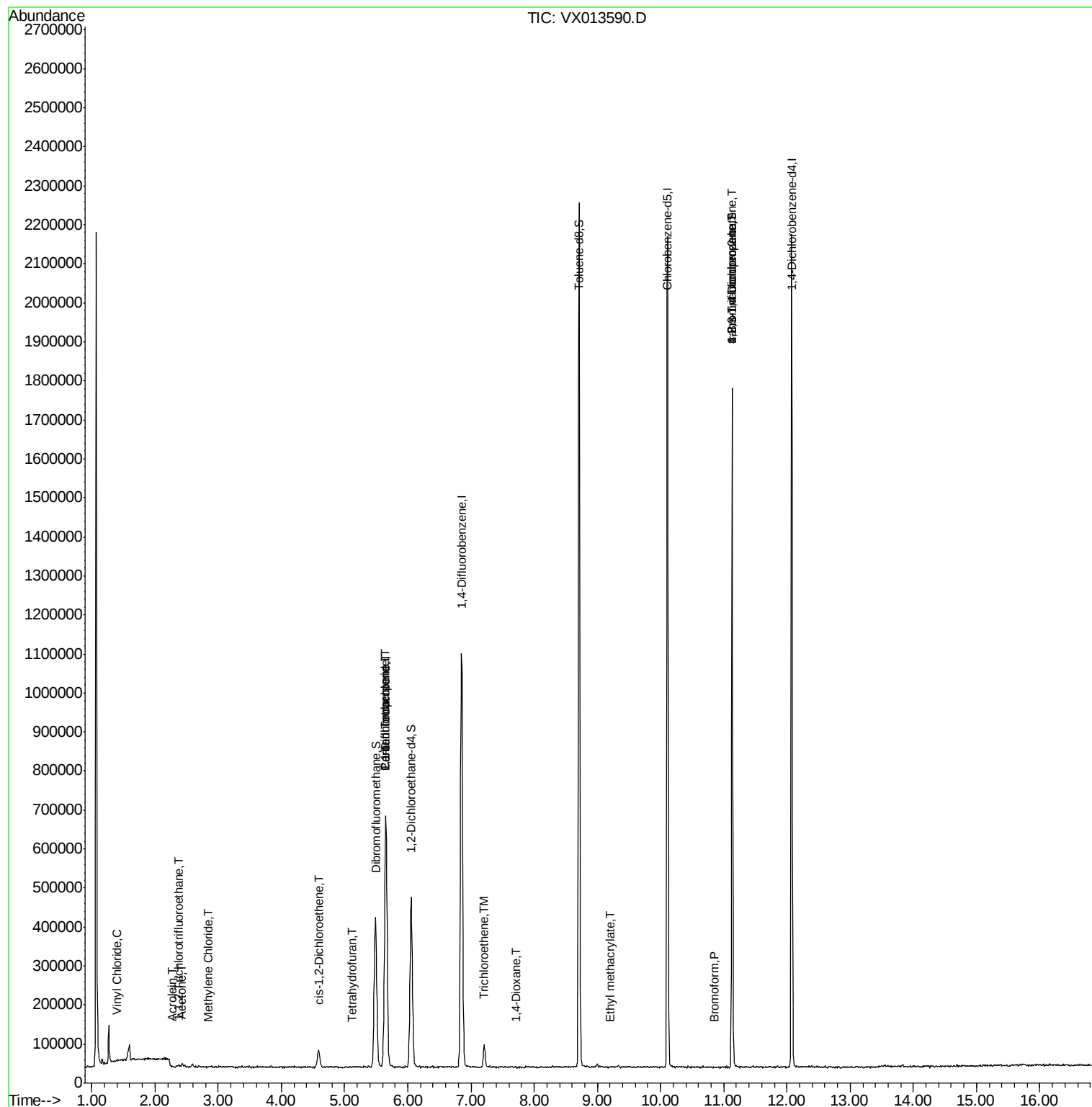
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2553	0.264	ug/l #	80
6) Chloroethane	1.75	64	1402	Below Cal	#	68
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1717	0.269	ug/l #	69
13) Acrolein	2.27	56	245	0.213	ug/l #	71
16) Acetone	2.43	43	8313	2.067	ug/l	94
20) Methylene Chloride	2.84	84	1628	0.219	ug/l #	54
27) cis-1,2-Dichloroethene	4.59	96	28396	3.730	ug/l	90
29) Tetrahydrofuran	5.12	42	749	0.206	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	44548	4.710	ug/l #	51
38) Carbon Tetrachloride	5.65	117	60393	6.530	ug/l #	15
44) Trichloroethene	7.21	130	24785	3.056	ug/l	95
49) 1,4-Dioxane	7.72	88	210	1.009	ug/l #	1
56) Ethyl methacrylate	9.19	69	301	1.586	ug/l #	1
71) Bromoform	10.85	173	459	3.266	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	222444	24.145	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	222444	62.149	ug/l #	9

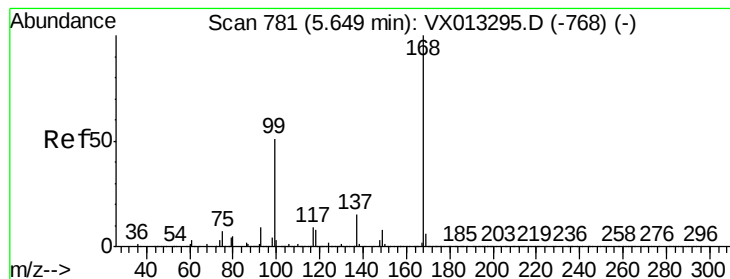
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013590.D

Acq: 25 Nov 2019 18:43

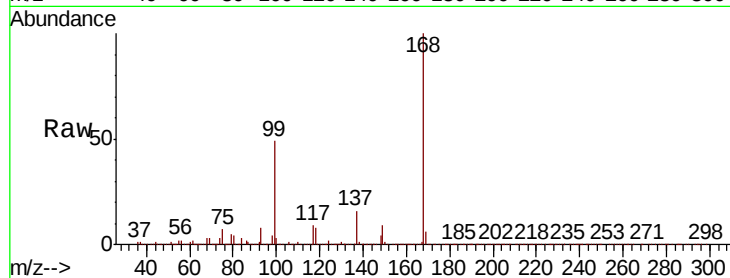
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 680447

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

5.65

250000

200000

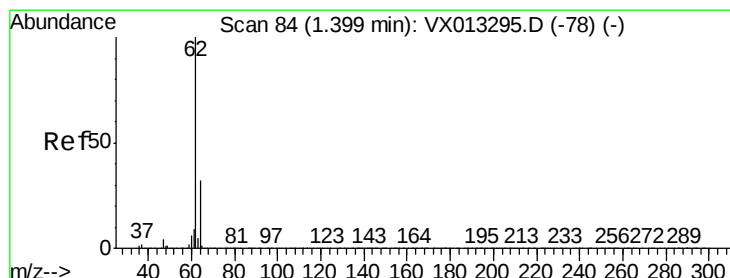
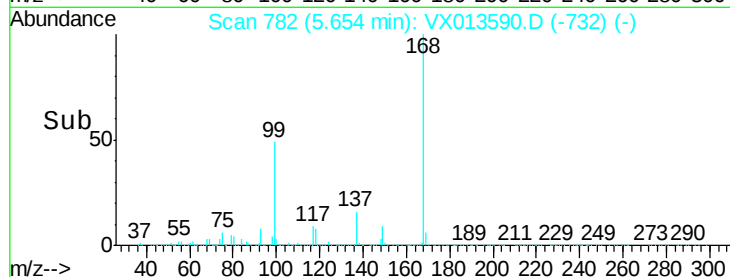
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.264 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013590.D

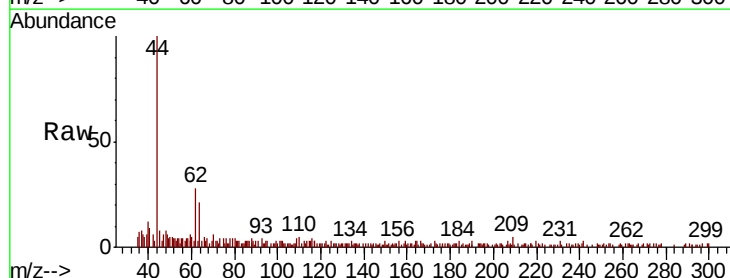
Acq: 25 Nov 2019 18:43

Tgt Ion: 62 Resp: 2553

Ion Ratio Lower Upper

62 100

64 20.9 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2500

2000

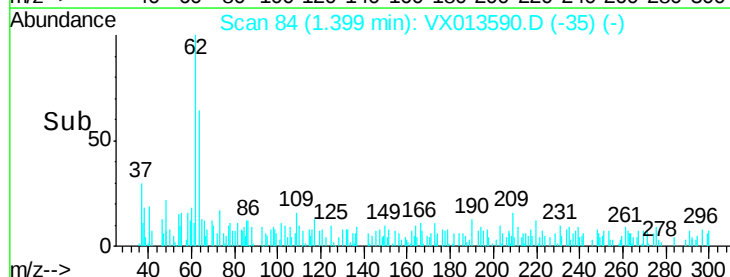
1500

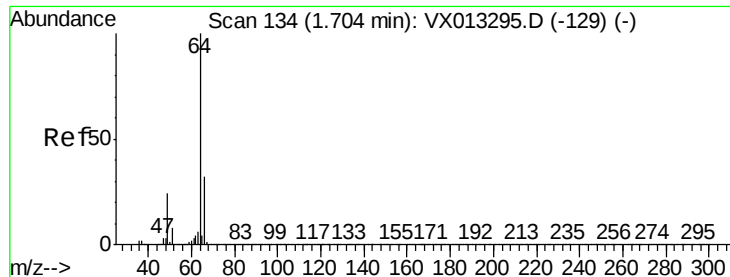
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :

MSVOA_X

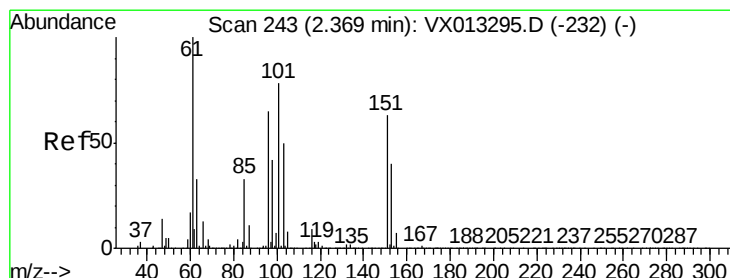
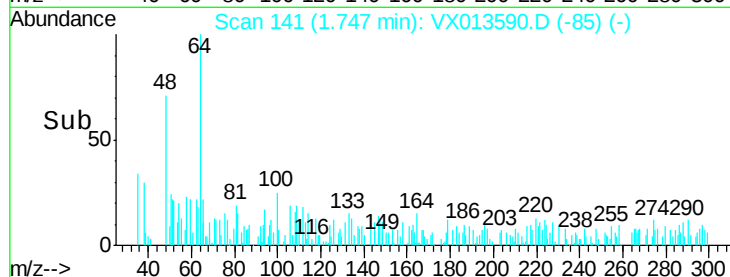
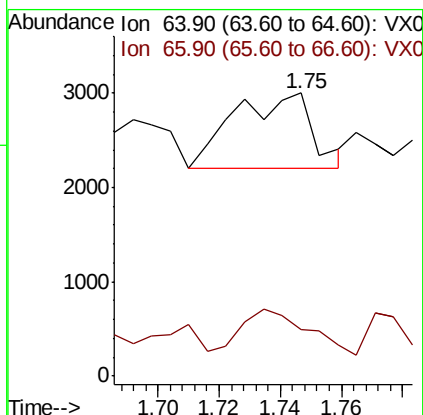
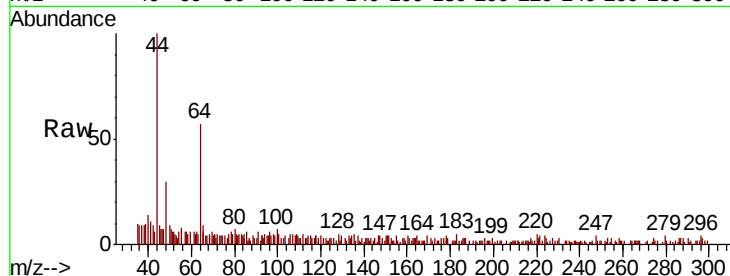
ClientSampleId :

Tot Ion: 64 Resp: 1402

Ion Ratio Lower Upper

64 100

66 49.8 25.6 38.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.269 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

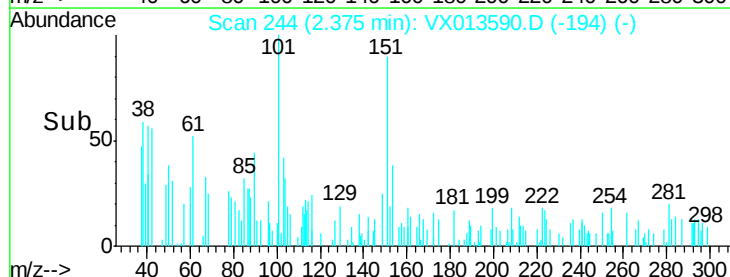
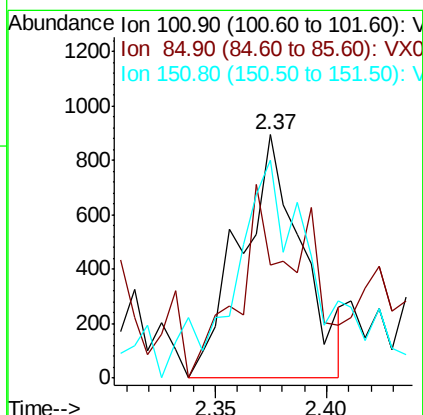
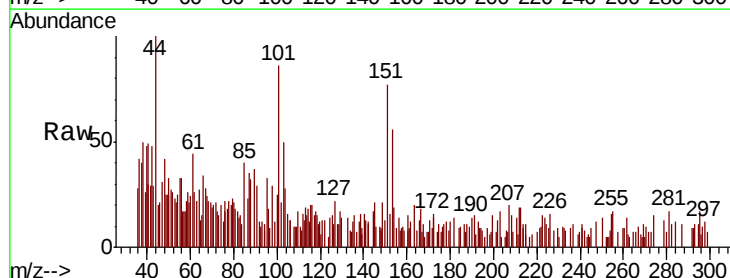
Tgt Ion: 101 Resp: 1717

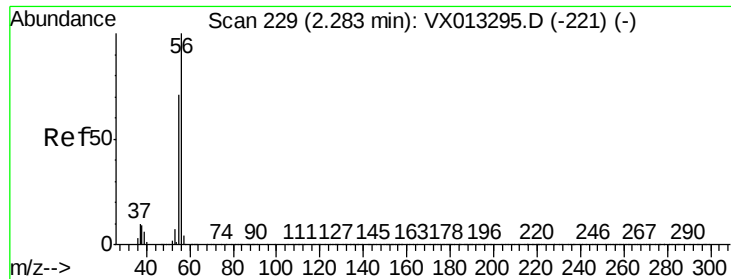
Ion Ratio Lower Upper

101 100

85 59.4 34.4 51.6#

151 113.2 66.4 99.6#

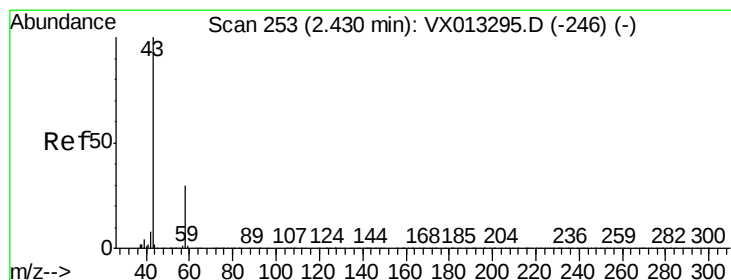
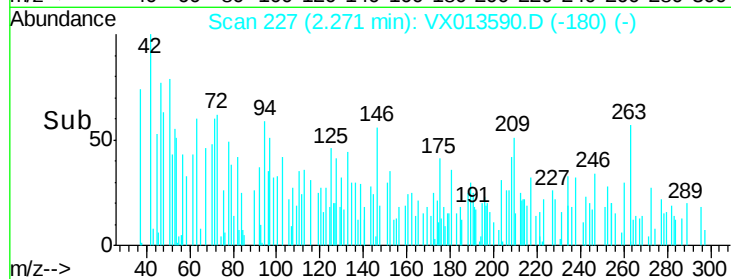
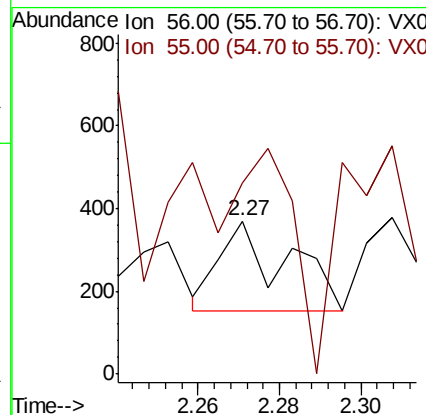
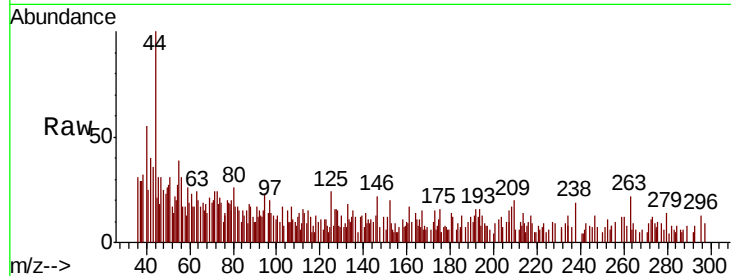




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

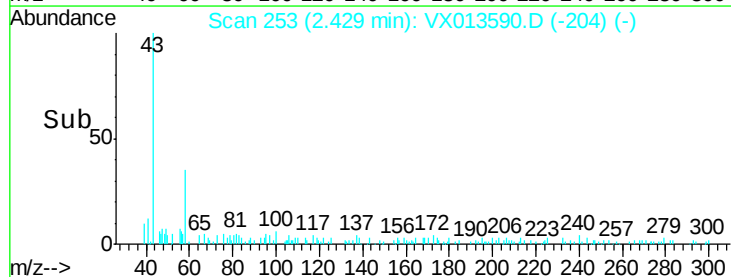
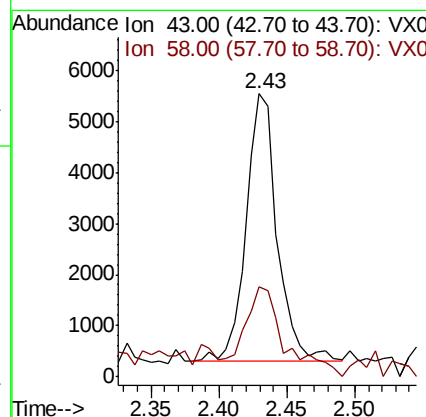
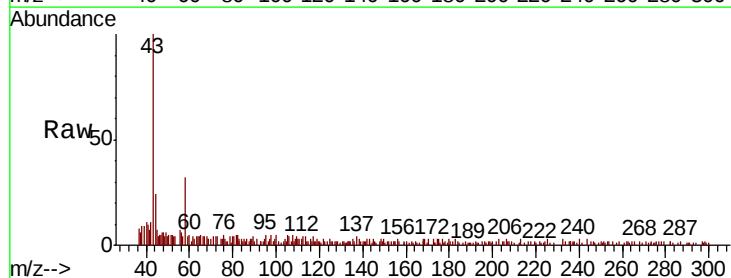
Instrument :
MSVOA_X
ClientSampled :

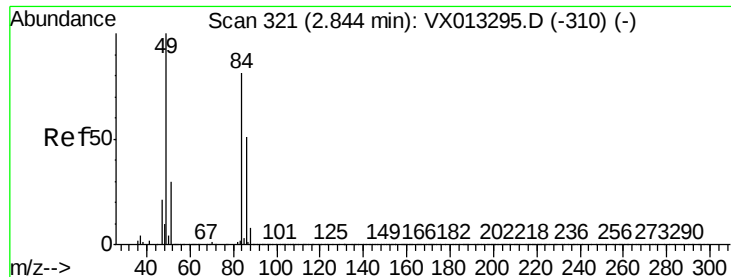
Tot Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 47.3 57.4 86.0#



#16
Acetone
Concen: 2.067 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

Tgt Ion: 43 Resp: 8313
Ion Ratio Lower Upper
43 100
58 33.5 24.3 36.5

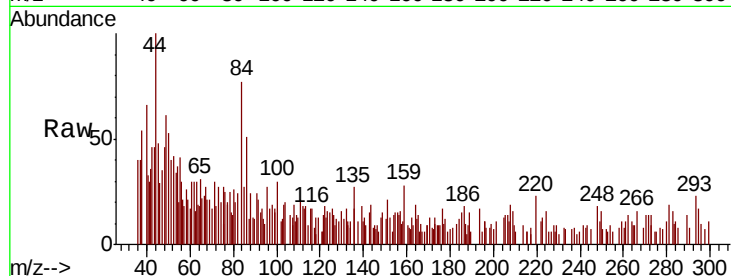




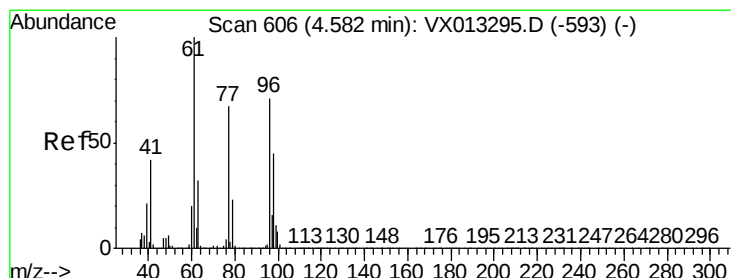
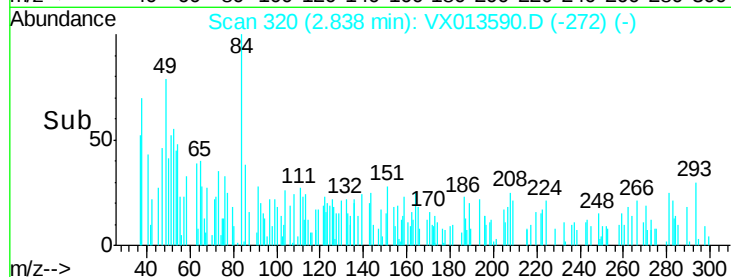
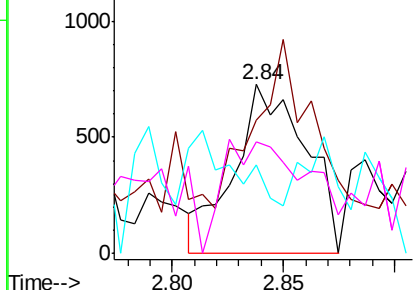
#20
Methvlene Chloride
Concen: 0.219 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	1628
Ion	Ratio	Lower	Upper
84	100		
49	46.0	98.2	147.4#
51	16.7	29.9	44.9#
86	55.9	49.9	74.9

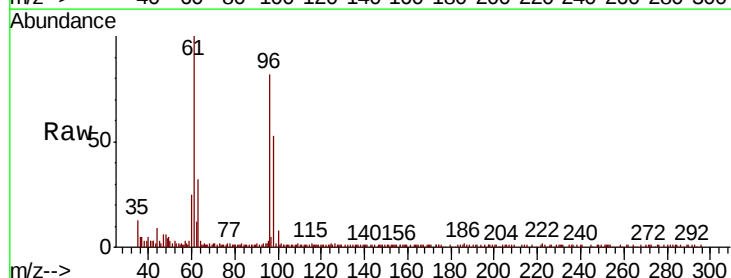


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

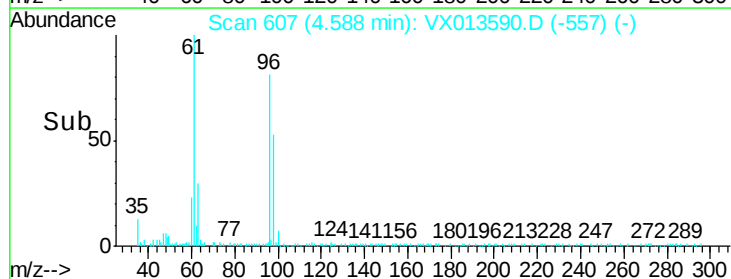
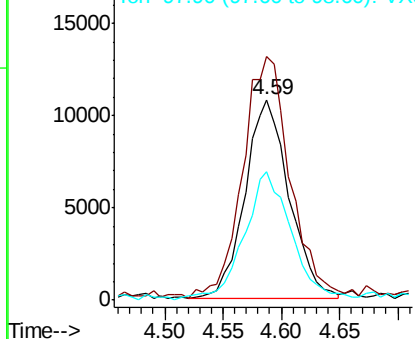


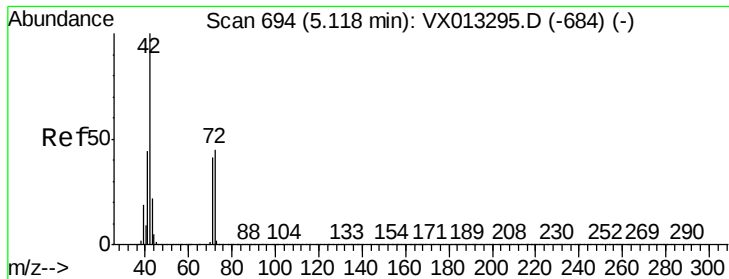
#27
cis-1,2-Dichloroethene
Concen: 3.730 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

Tgt Ion:	96	Resp:	28396
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	288.0
98	69.2	0.0	129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :

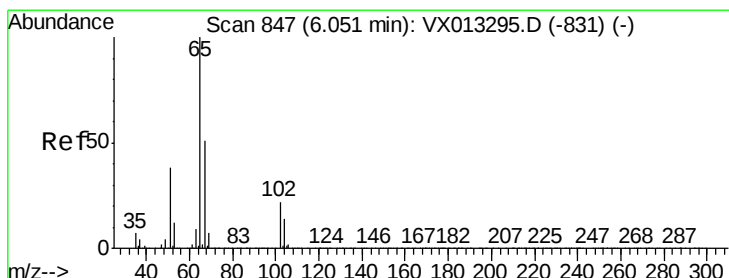
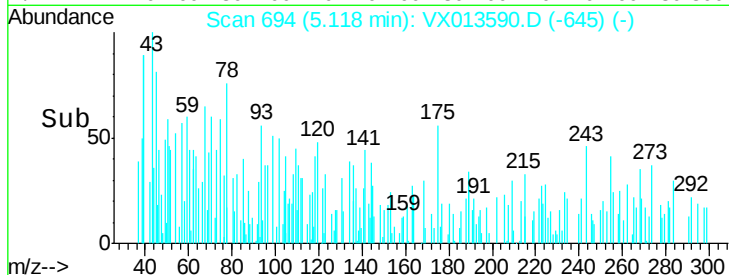
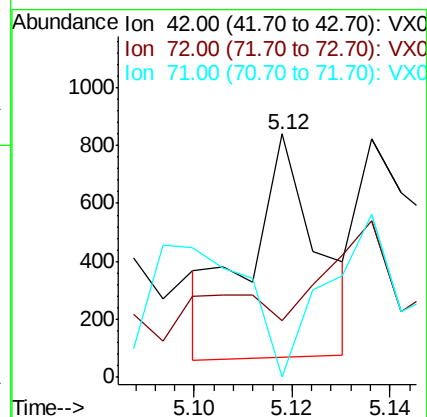
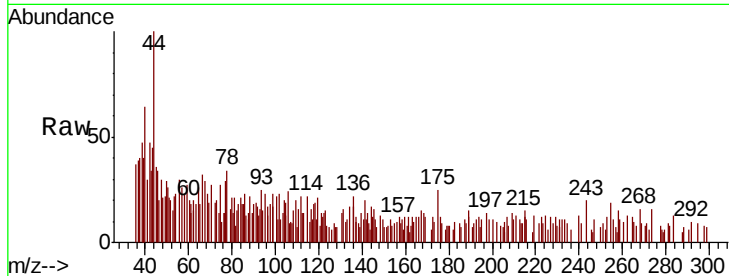
Tot Ion: 42 Resp: 749

Ion Ratio Lower Upper

42 100

72 36.6 35.8 53.8

71 0.0 33.4 50.0#



#33

1,2-Dichloroethane-d4

Concen: 50.168 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013590.D

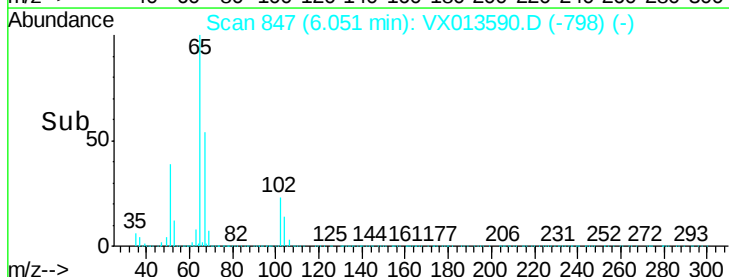
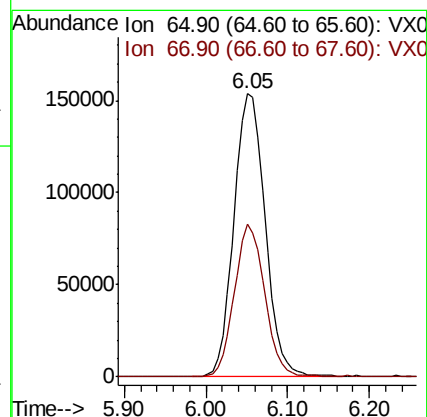
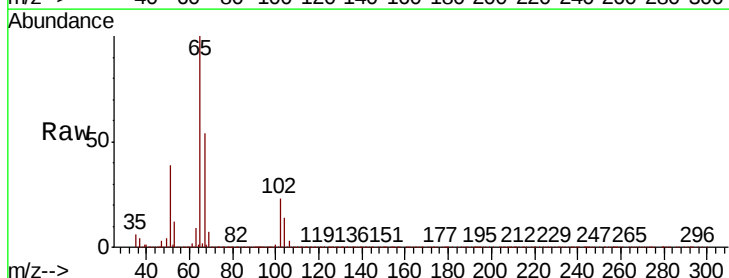
Acq: 25 Nov 2019 18:43

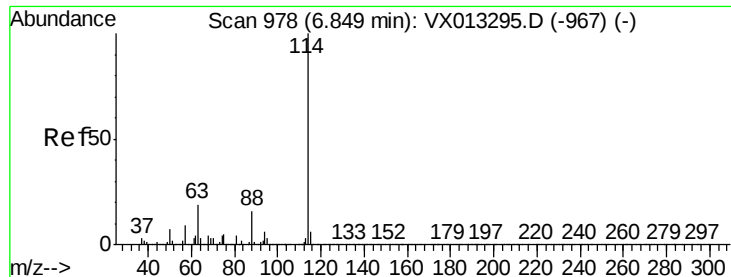
Tgt Ion: 65 Resp: 404421

Ion Ratio Lower Upper

65 100

67 52.4 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: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

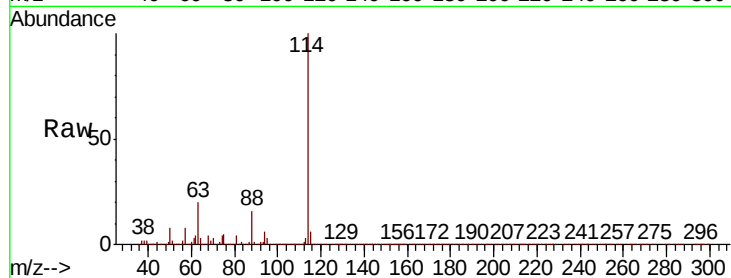
Tot Ion:114 Resp: 1102420

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

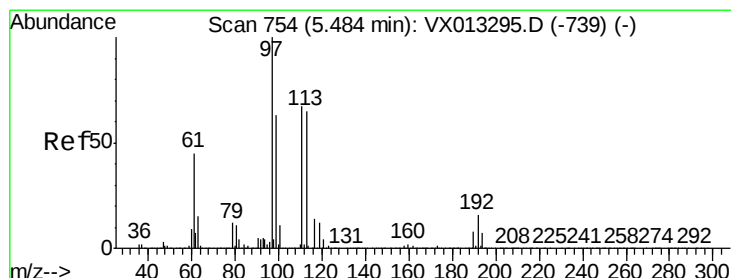
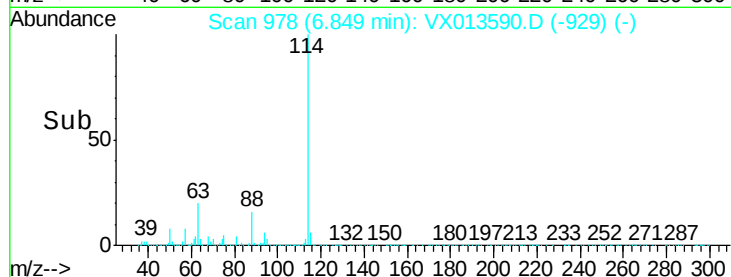
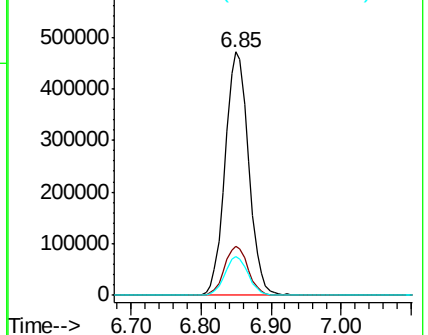
88 15.7 0.0 32.2



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: 47.703 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

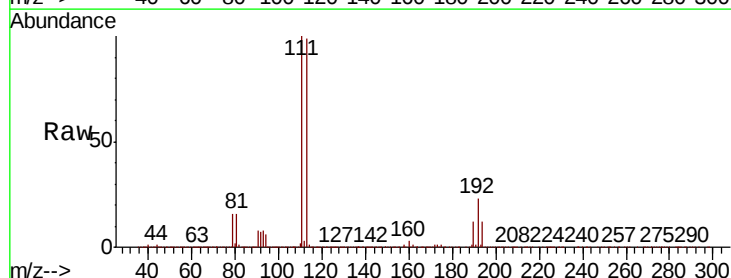
Tgt Ion:113 Resp: 329845

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

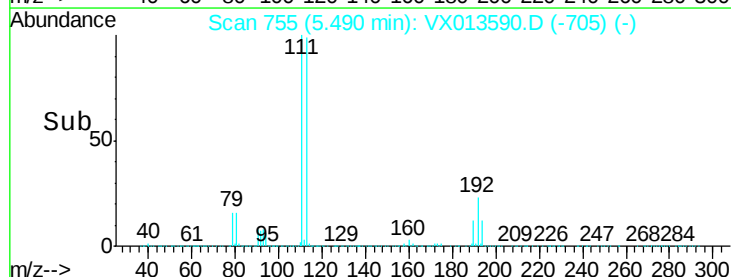
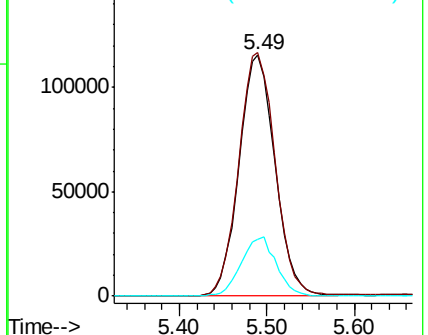
192 23.6 19.1 28.7

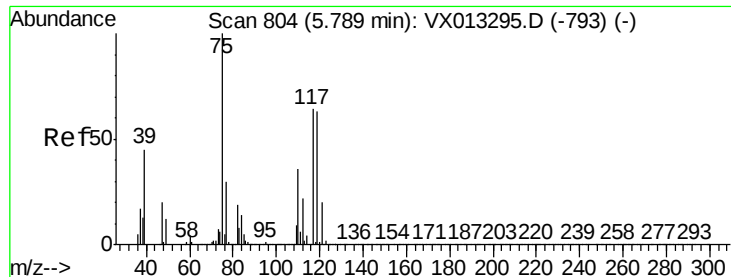


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

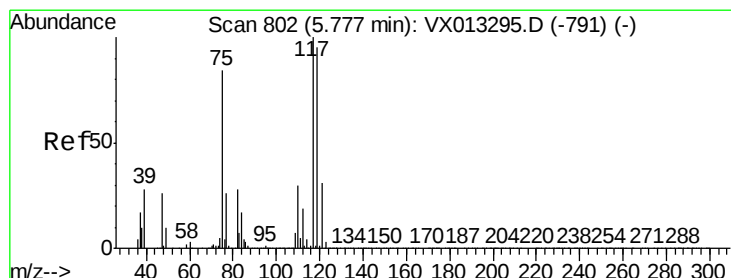
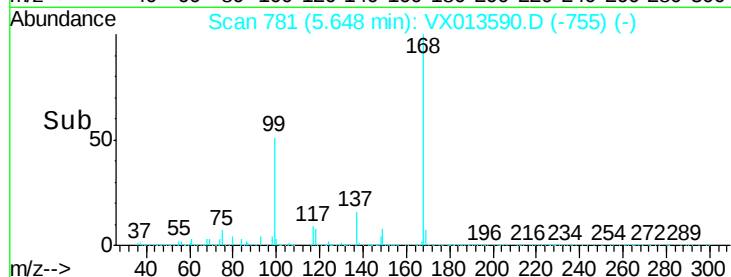
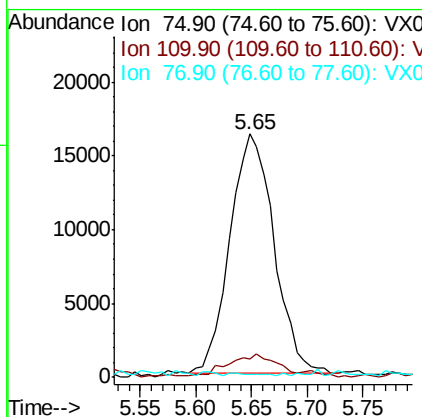
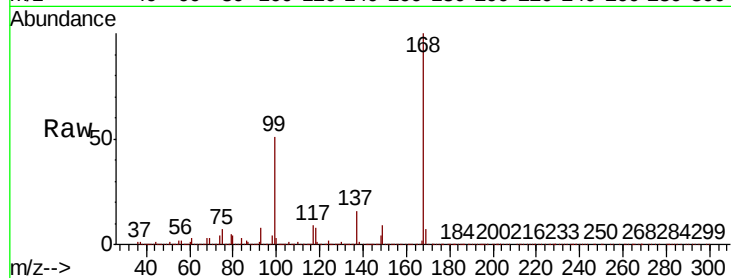




#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013590.D
 Acq: 25 Nov 2019 18:43

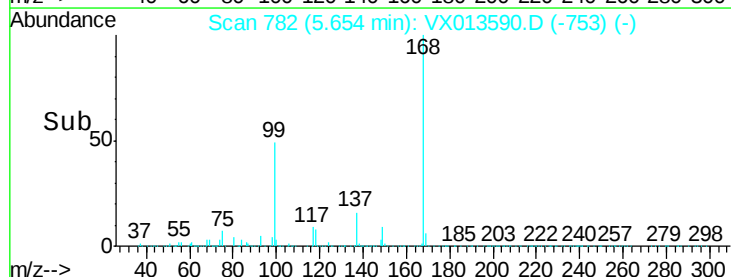
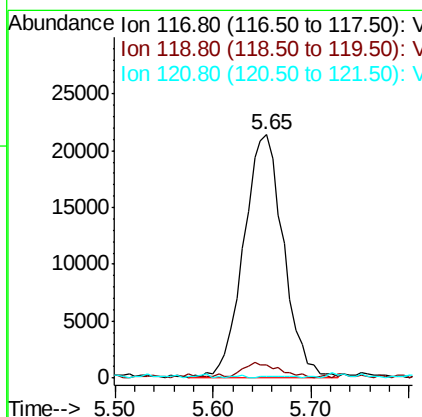
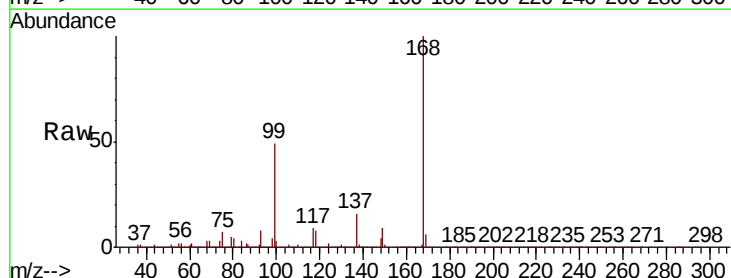
Instrument :
 MSVOA_X
 ClientSampleId :

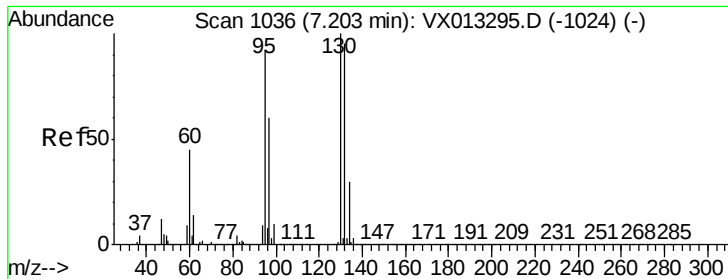
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.530 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013590.D
 Acq: 25 Nov 2019 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.1	114.1#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 3.056 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :

MSVOA_X

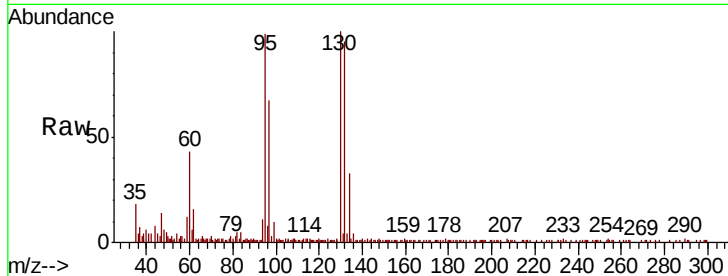
ClientSampled :

Tot Ion:130 Resp: 24785

Ion Ratio Lower Upper

130 100

95 97.4 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

12000

10000

8000

6000

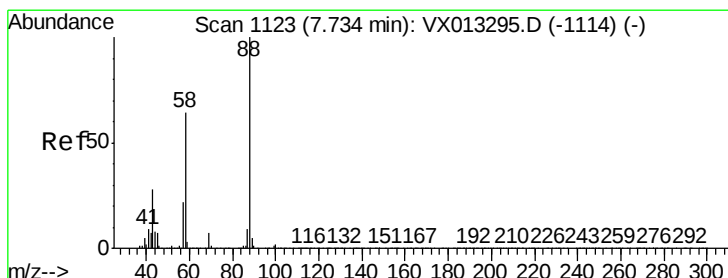
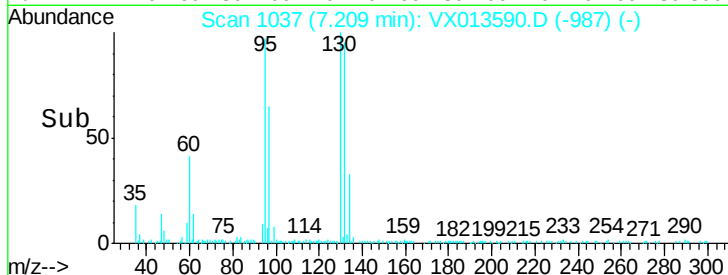
4000

2000

0

Time-->

7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 1.009 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

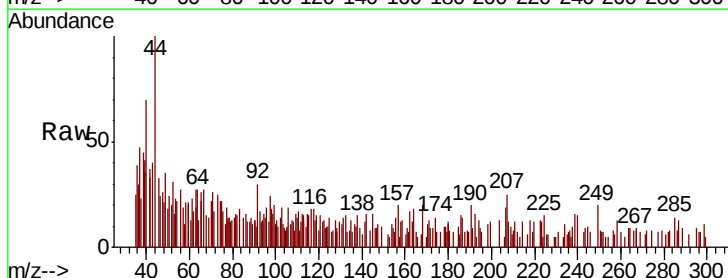
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 91.9 26.6 39.8#

58 231.9 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

1000

800

600

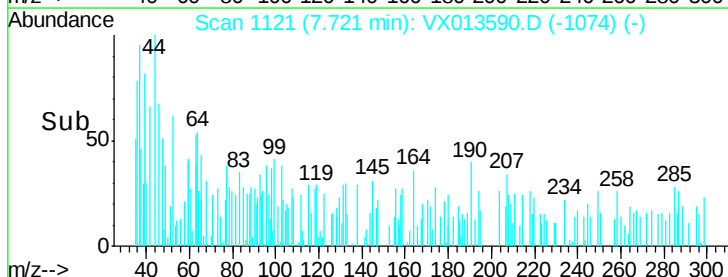
400

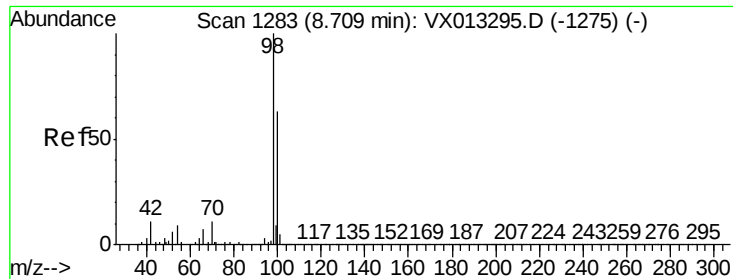
200

0

Time-->

7.70 7.72 7.74

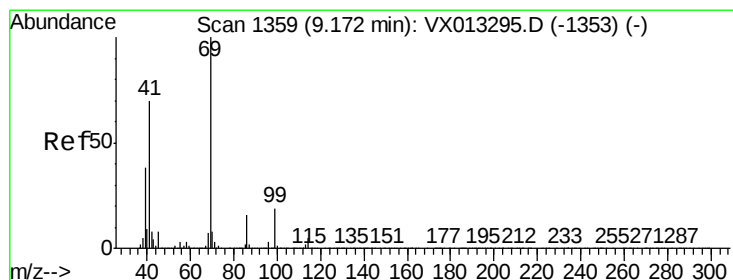
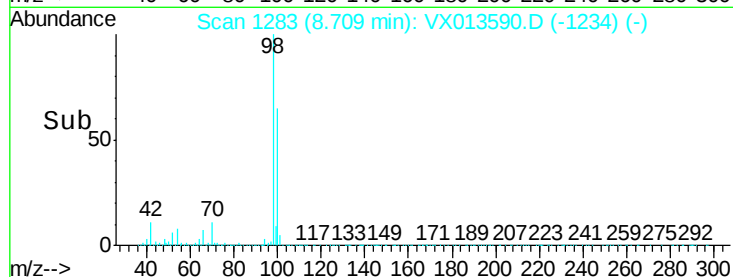
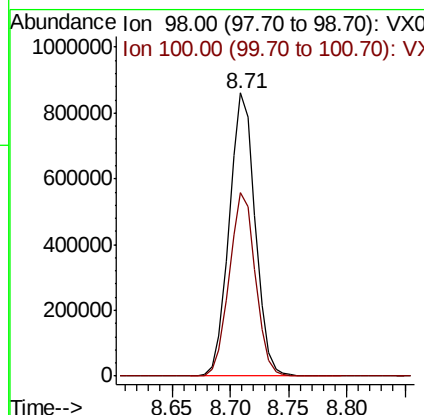
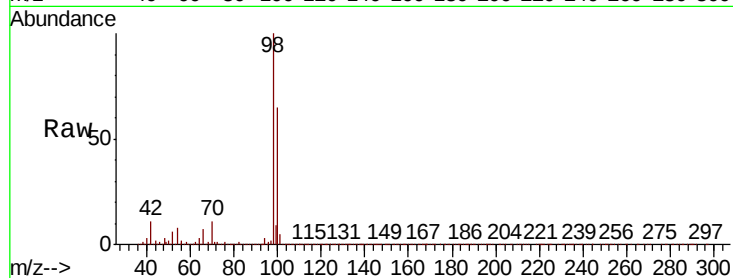




#50
Toluene-d8
Concen: 51.039 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

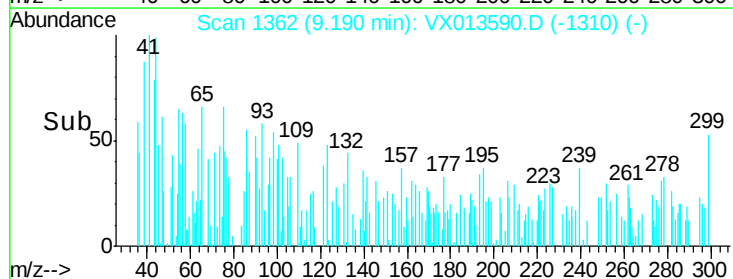
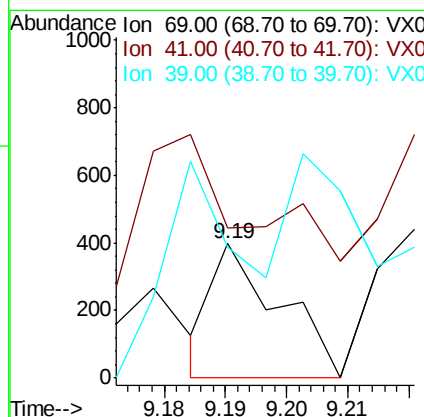
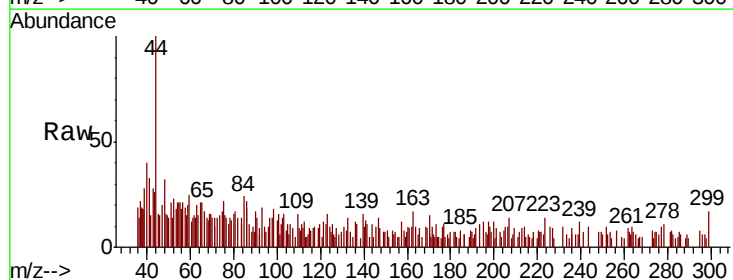
Instrument :
MSVOA_X
ClientSampleId :

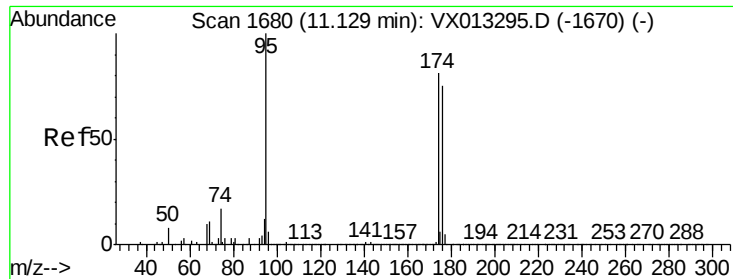
Tot Ion: 98 Resp: 1330445
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.586 ug/l
RT: 9.19 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

Tgt Ion: 69 Resp: 301
Ion Ratio Lower Upper
69 100
41 204.3 56.2 84.2#
39 190.4 31.1 46.7#

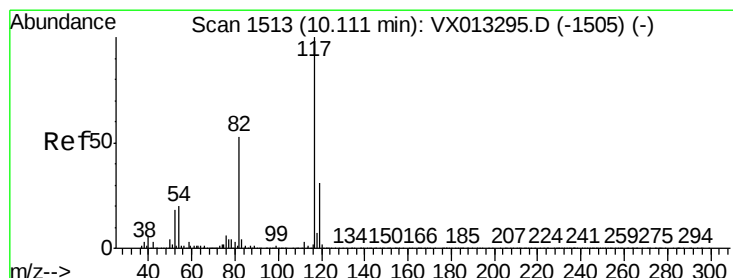
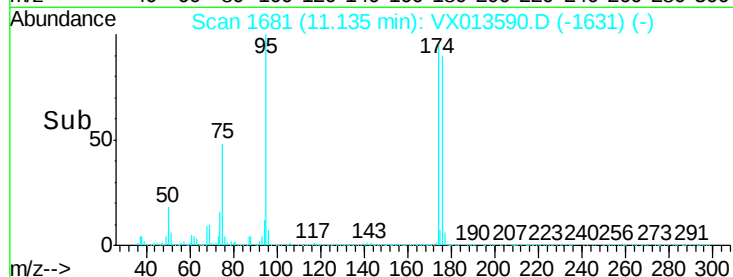
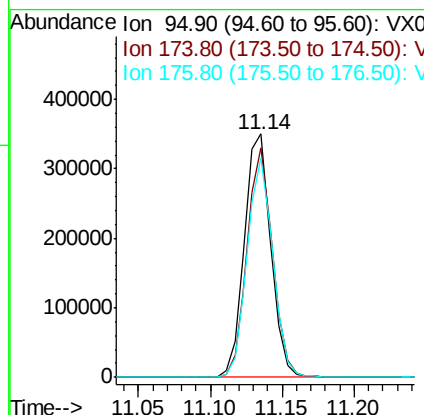
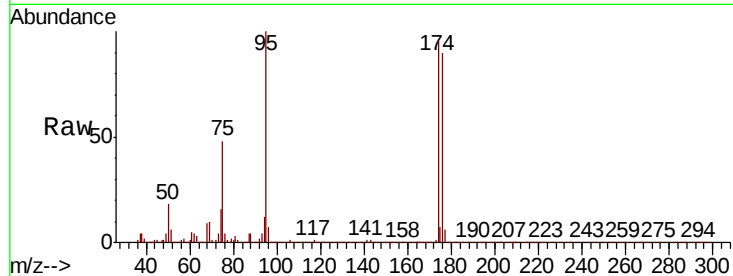




#62
4-Bromofluorobenzene
Concen: 47.503 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

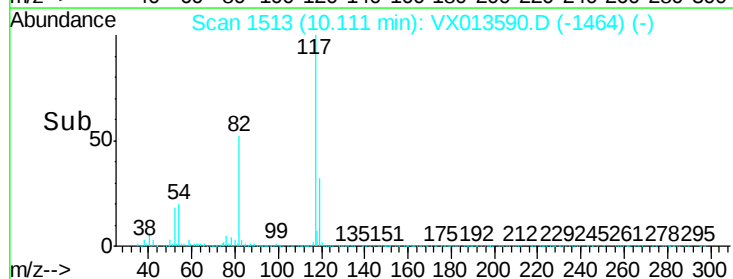
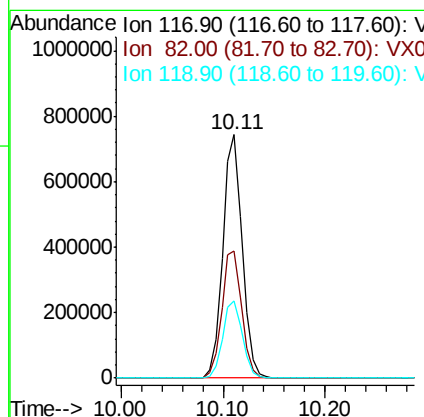
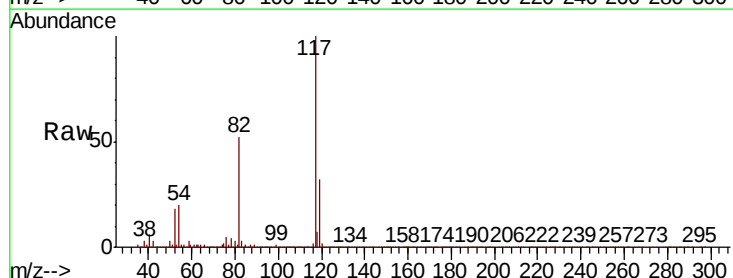
Instrument :
MSVOA_X
ClientSampleId :

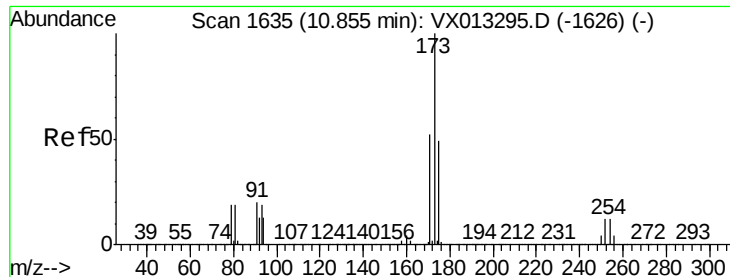
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	179.8
176	87.4	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013590.D
Acq: 25 Nov 2019 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	64.0
119	31.8	24.8	37.2





#71

Bromoform

Concen: 3.266 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

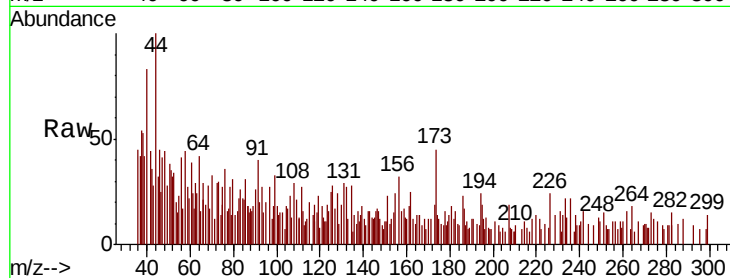
Tot Ion:173 Resp: 459

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

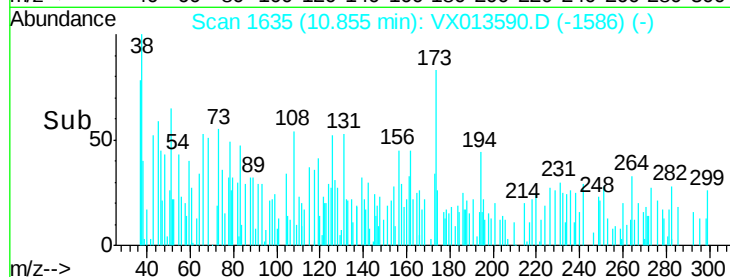
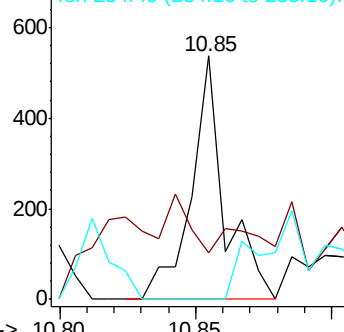
254 0.0 0.2 0.2#



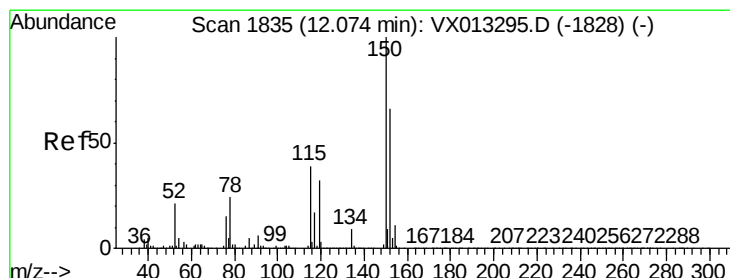
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

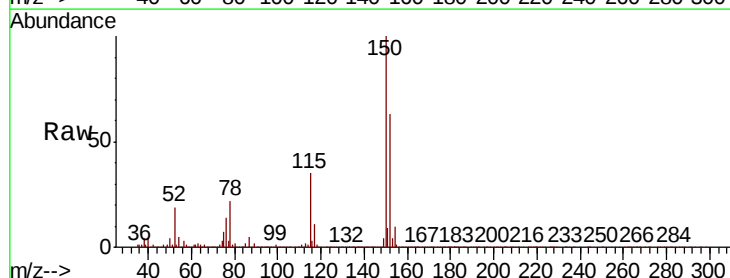
Tgt Ion:152 Resp: 453577

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

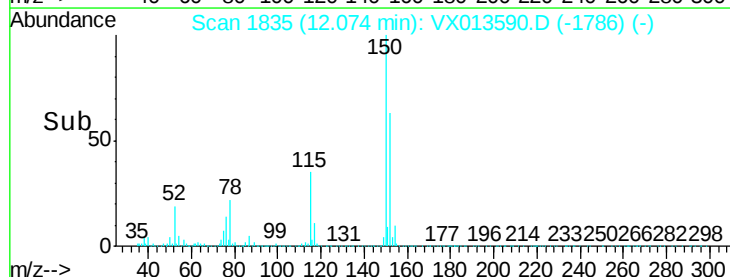
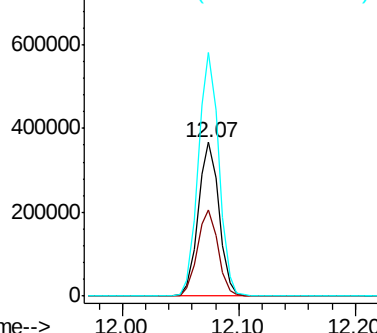
150 157.9 0.0 344.4



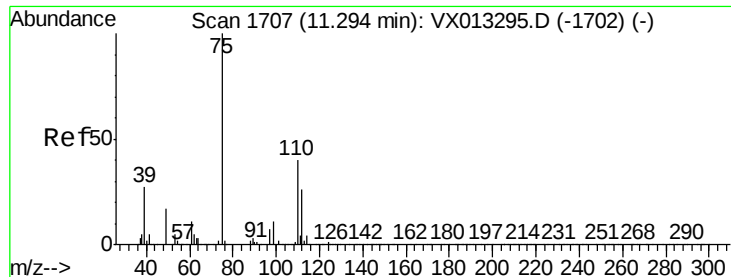
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.145 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Instrument :

MSVOA_X

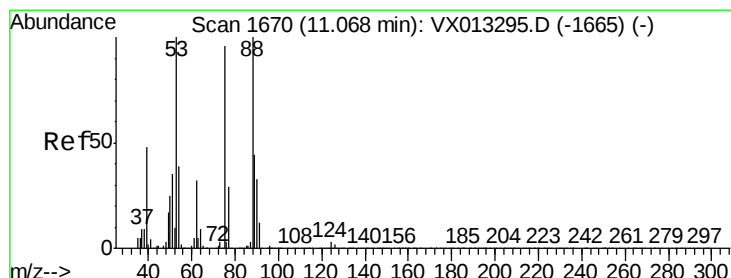
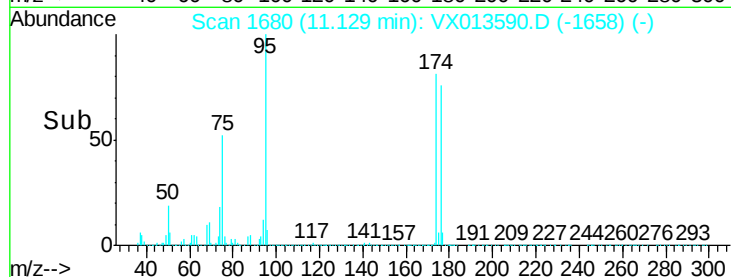
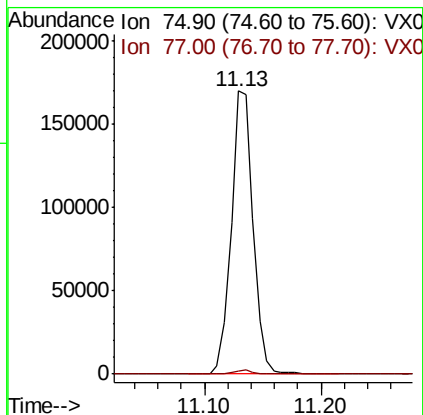
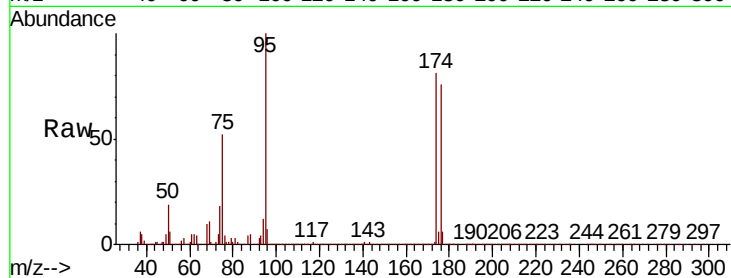
ClientSampleId :

Tot Ion: 75 Resp: 222444

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.149 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013590.D

Acq: 25 Nov 2019 18:43

Tgt Ion: 75 Resp: 222444

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 36.0 54.0#

