

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021220\
 Data File : VX014924.D
 Acq On : 12 Feb 2020 14:39
 Operator : JC/SP
 Sample : L1495-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

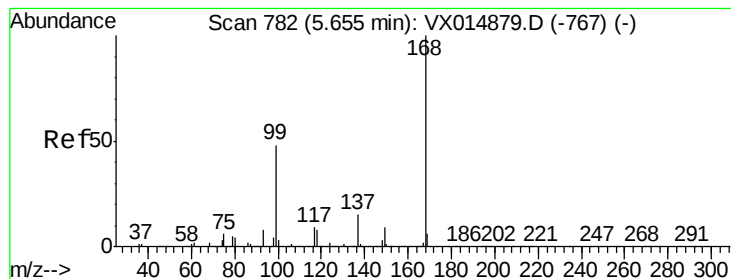
Quant Time: Feb 13 03:35:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	423261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	660416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	637099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338065	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	243664	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
35) Dibromofluoromethane	5.49	113	205902	50.71	ug/l	0.00
Spiked Amount						
			Recovery	=	101.42%	
50) Toluene-d8	8.71	98	797805	51.48	ug/l	0.00
Spiked Amount						
			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.13	95	301586	54.02	ug/l	0.00
Spiked Amount						
			Recovery	=	108.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1668	0.367	ug/l	99
4) Vinyl Chloride	1.40	62	7117	1.454	ug/l	99
5) Bromomethane	1.66	94	1153	0.364	ug/l	84
10) Methyl Iodide	2.52	142	703	4.514	ug/l #	27
11) Tert butyl alcohol	3.01	59	307	0.364	ug/l #	1
13) Acrolein	2.29	56	607	0.944	ug/l #	15
16) Acetone	2.43	43	1818	Below Cal	#	70
20) Methylene Chloride	2.86	84	1244	0.271	ug/l #	27
27) cis-1,2-Dichloroethene	4.59	96	14096	2.946	ug/l	85
29) Tetrahydrofuran	5.09	42	1004	0.543	ug/l #	65
31) Cyclohexane	5.65	56	8406	1.245	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	29367	4.971	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36994	6.426	ug/l #	16
44) Trichloroethene	7.21	130	8847	1.727	ug/l	93
49) 1,4-Dioxane	7.73	88	151	1.615	ug/l #	23
64) Tetrachloroethene	9.33	164	14552	2.443	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	149065	24.384	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	149065	62.415	ug/l #	12
83) tert-Butylbenzene	11.76	119	7559	0.451	ug/l	88
88) 1,4-Dichlorobenzene	12.09	146	12654	1.167	ug/l #	77

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

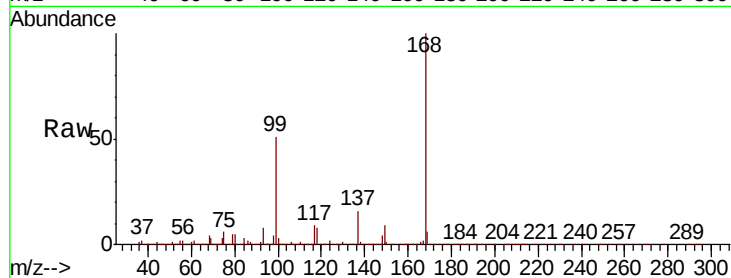
ClientSampleId :

Tot Ion:168 Resp: 423261

Ion Ratio Lower Upper

168 100

99 51.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

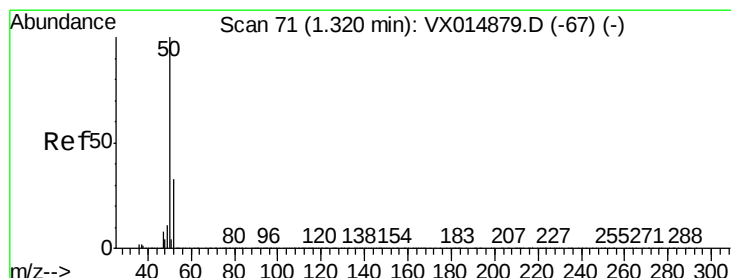
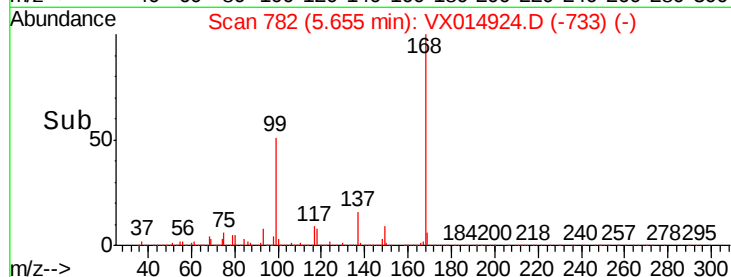
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.367 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014924.D

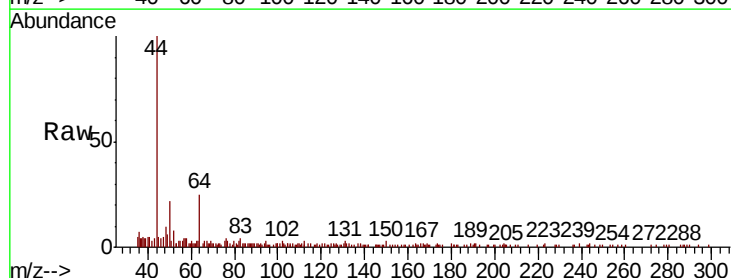
Acq: 12 Feb 2020 14:39

Tgt Ion: 50 Resp: 1668

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

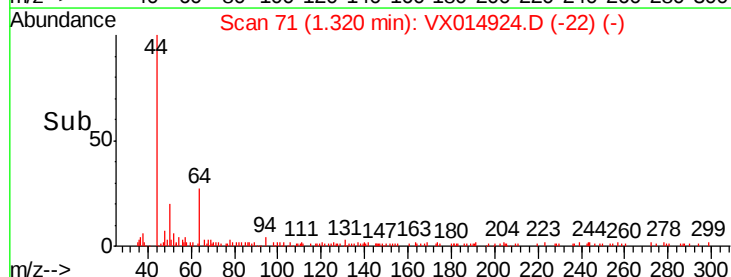
1500

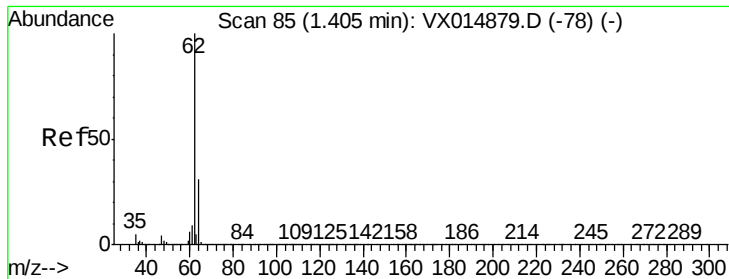
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 1.454 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

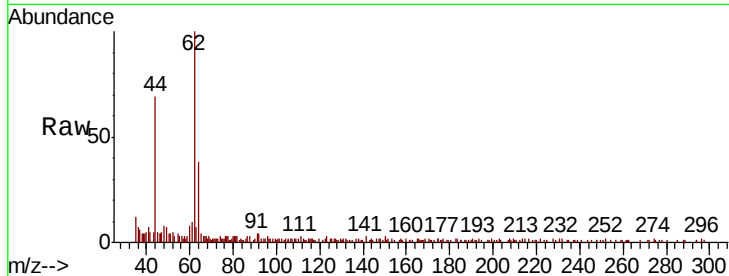
ClientSampleId :

Tot Ion: 62 Resp: 7117

Ion Ratio Lower Upper

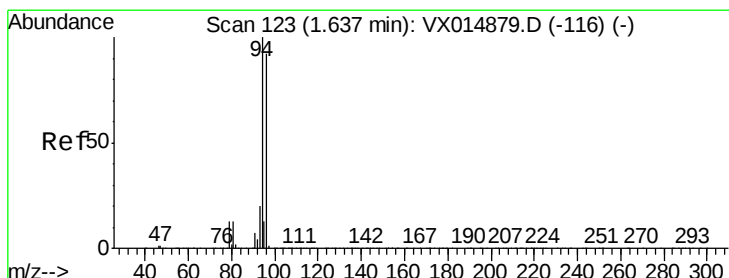
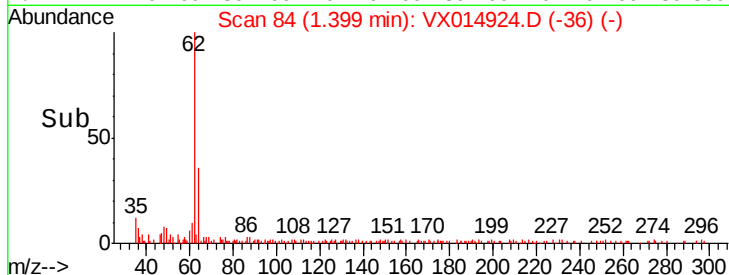
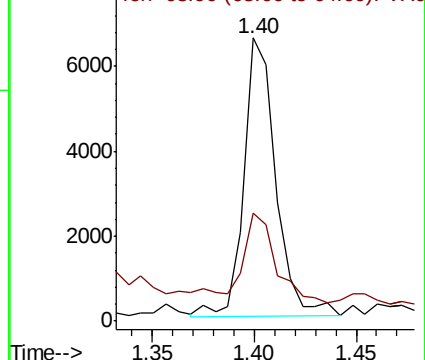
62 100

64 31.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014924.D

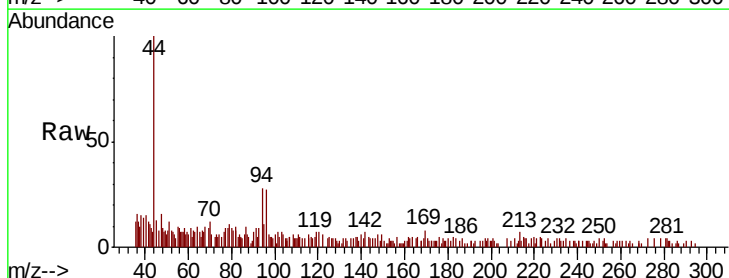
Acq: 12 Feb 2020 14:39

Tgt Ion: 94 Resp: 1153

Ion Ratio Lower Upper

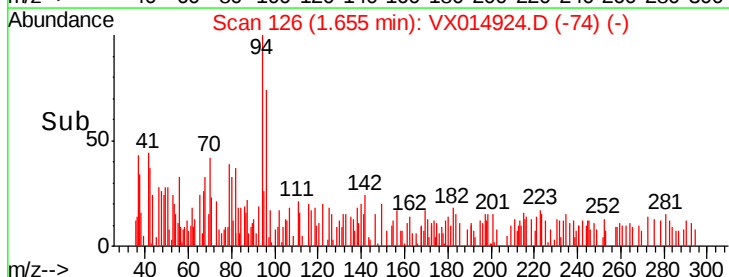
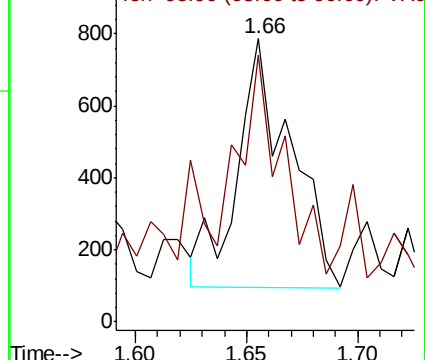
94 100

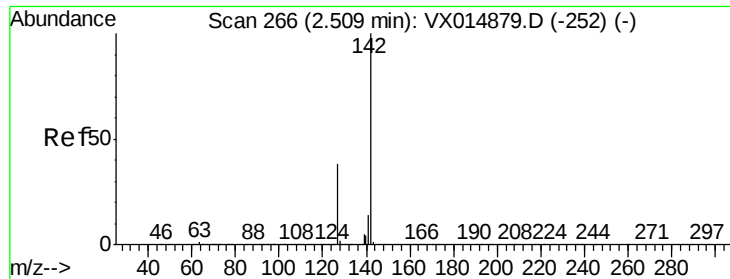
96 77.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

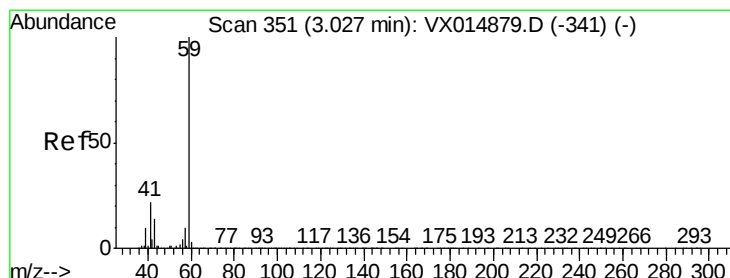
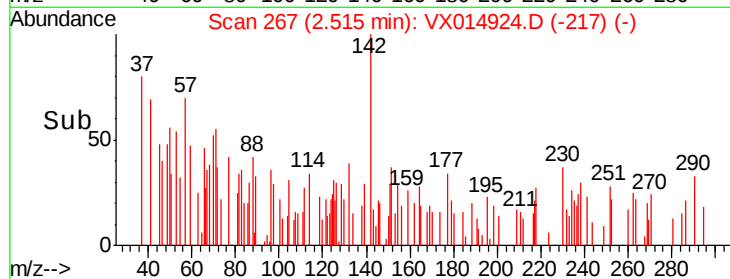
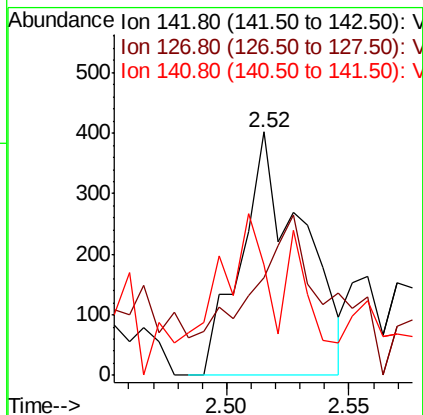
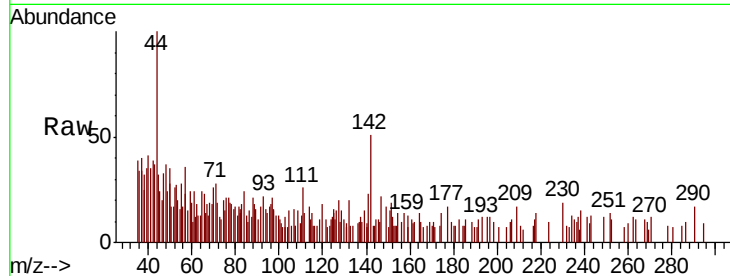




#10
Methyl Iodide
Concen: 4.514 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

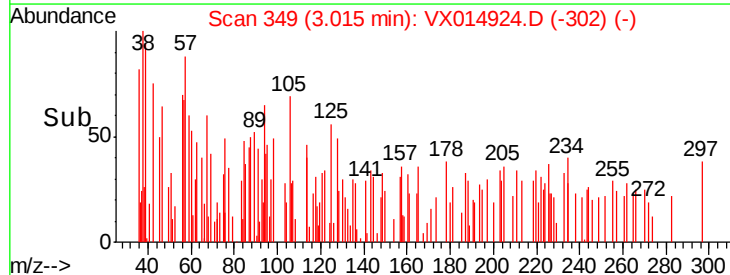
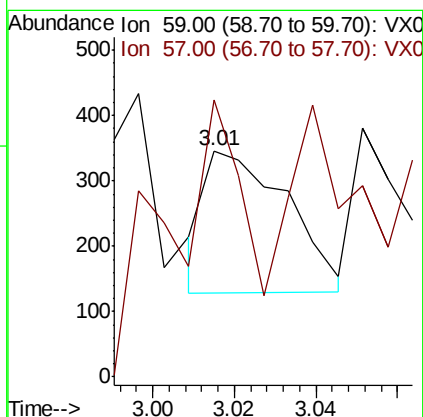
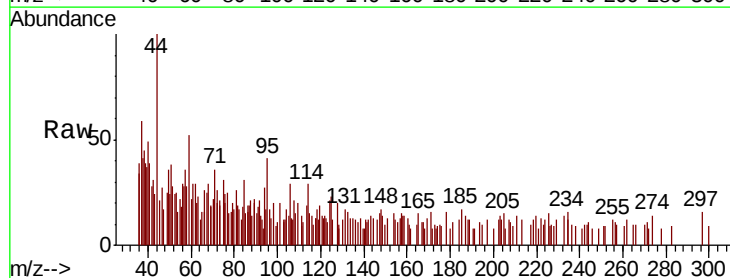
Instrument :
MSVOA_X
ClientSampled :

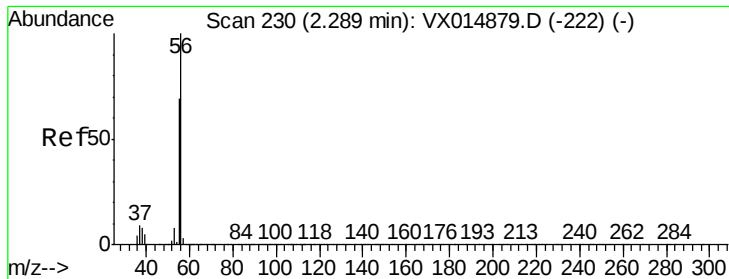
Tot Ion:142 Resp: 703
Ion Ratio Lower Upper
142 100
127 84.5 31.1 46.7#
141 42.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.364 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 184.4 8.2 12.4#





#13

Acrolein

Concen: 0.944 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

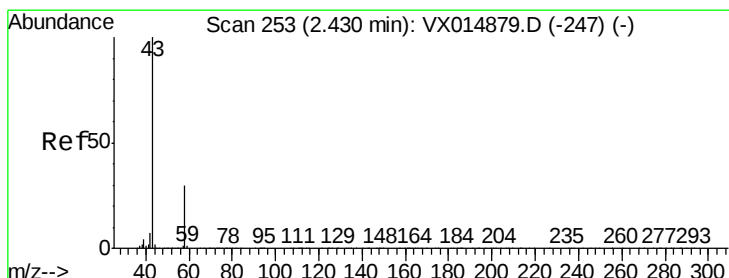
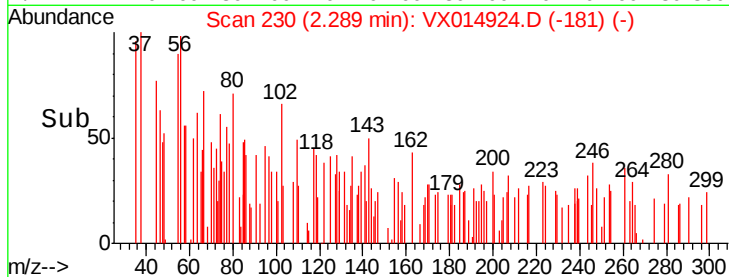
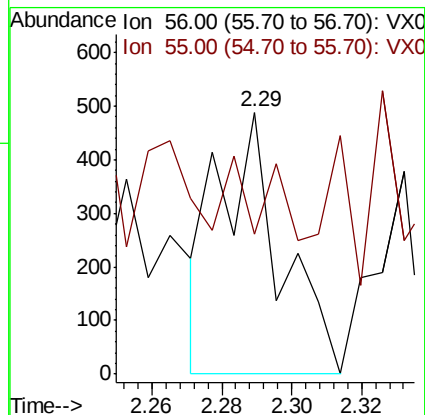
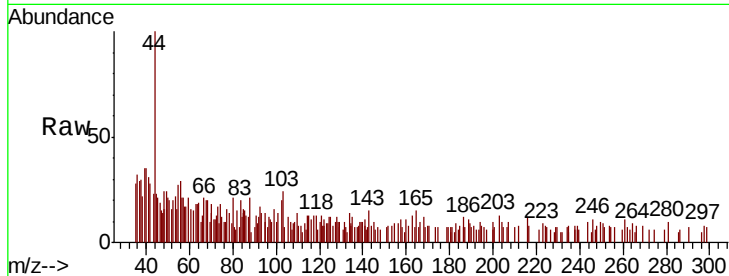
ClientSampleId :

Tot Ion: 56 Resp: 607

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.4#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014924.D

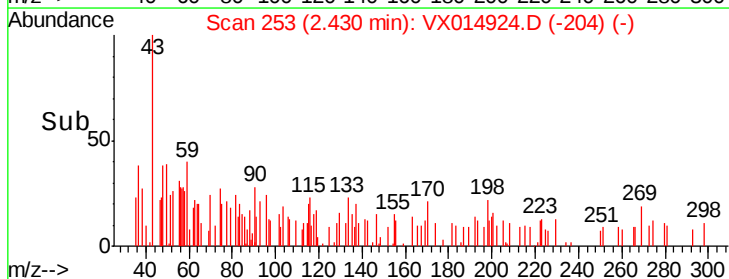
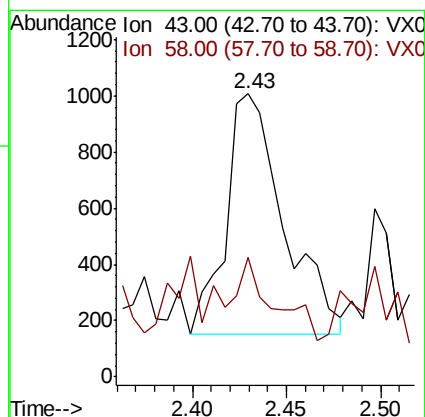
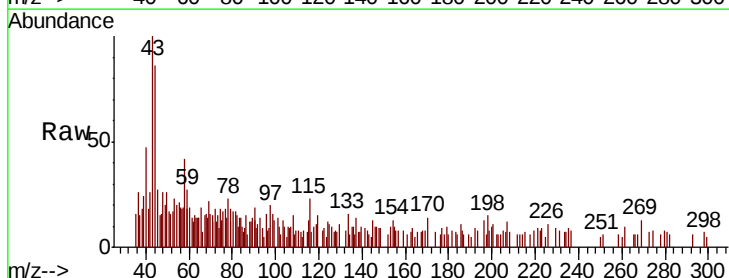
Acq: 12 Feb 2020 14:39

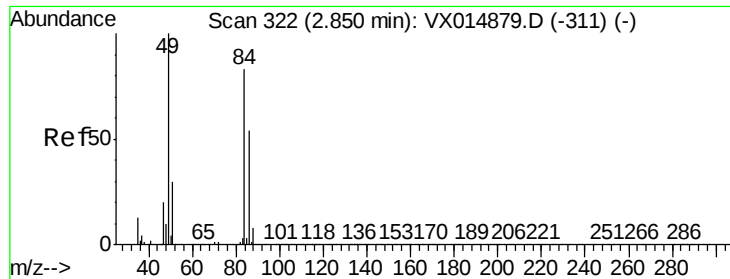
Tgt Ion: 43 Resp: 1818

Ion Ratio Lower Upper

43 100

58 14.0 24.1 36.1#

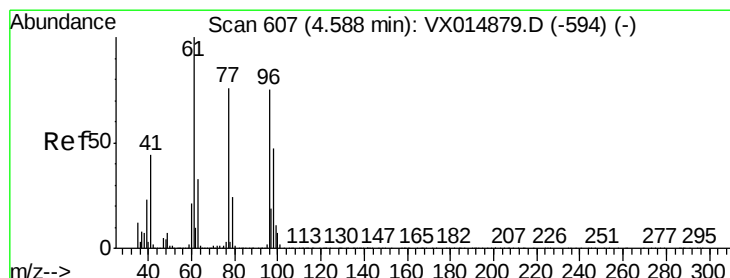
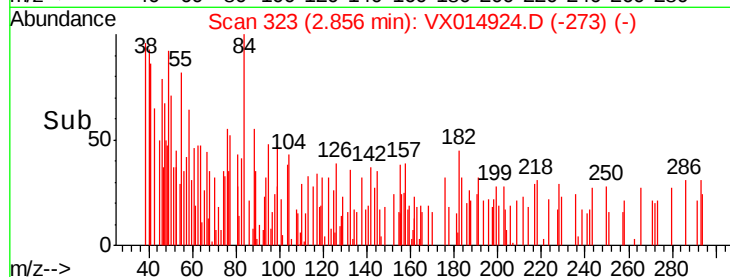
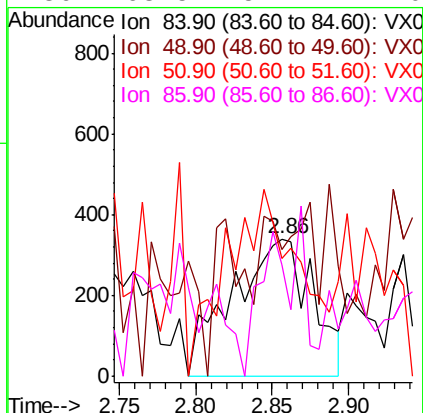
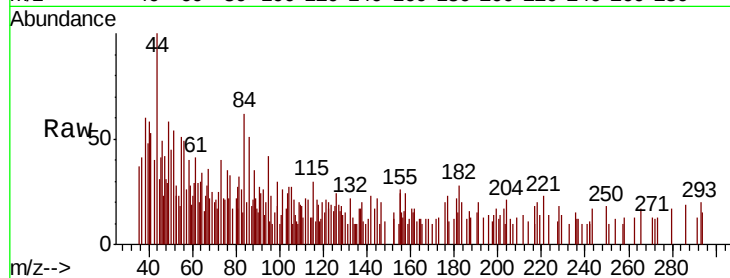




#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

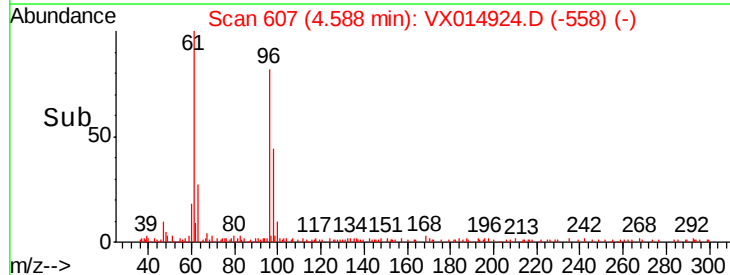
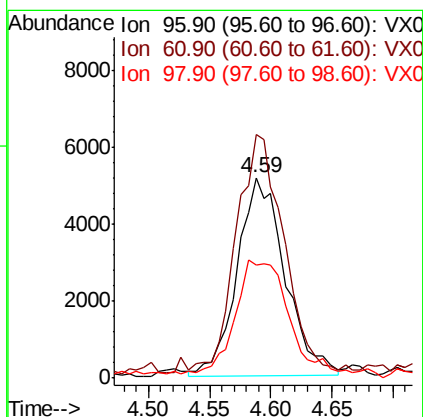
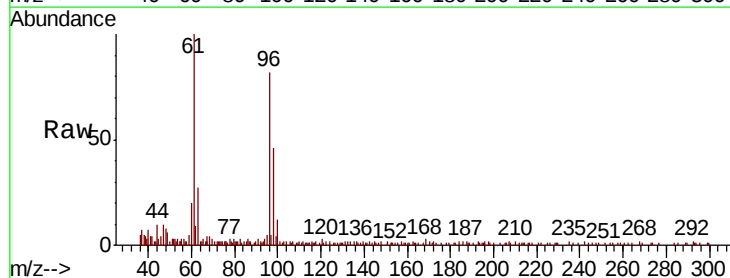
Instrument :
MSVOA_X
ClientSampled :

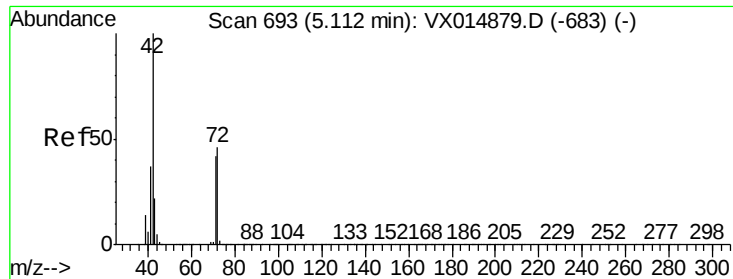
Tot Ion: 84 Resp: 1244
Ion Ratio Lower Upper
84 100
49 16.3 95.6 143.4#
51 115.5 29.0 43.6#
86 63.5 51.4 77.0



#27
cis-1,2-Dichloroethene
Concen: 2.946 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion: 96 Resp: 14096
Ion Ratio Lower Upper
96 100
61 118.2 0.0 286.2
98 63.6 0.0 131.0

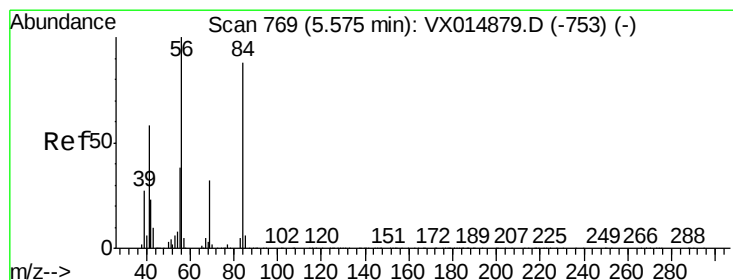
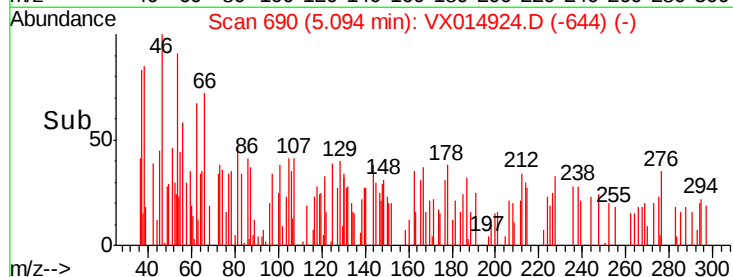
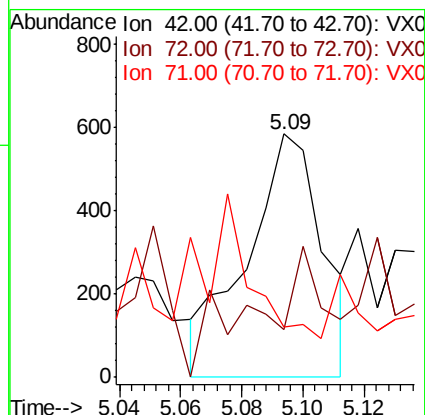
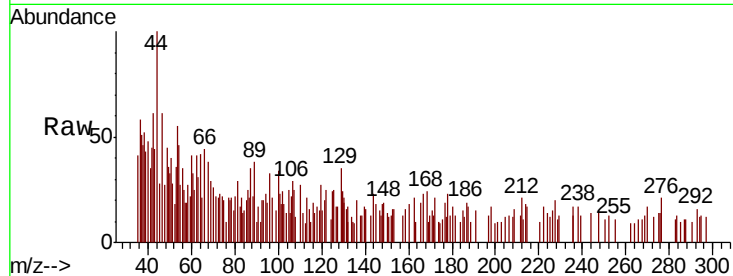




#29
Tetrahydrofuran
Concen: 0.543 ug/l
RT: 5.09 min Scan# 690
Delta R.T. -0.02 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

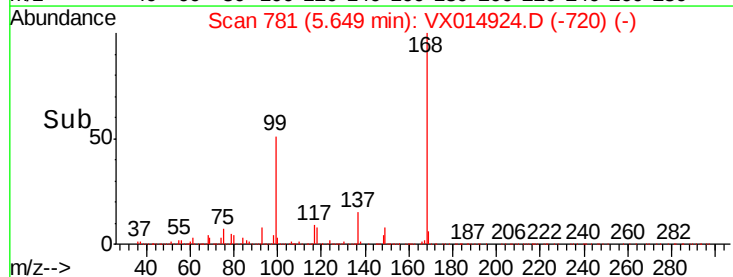
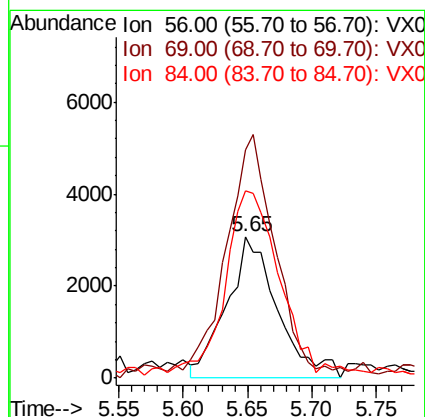
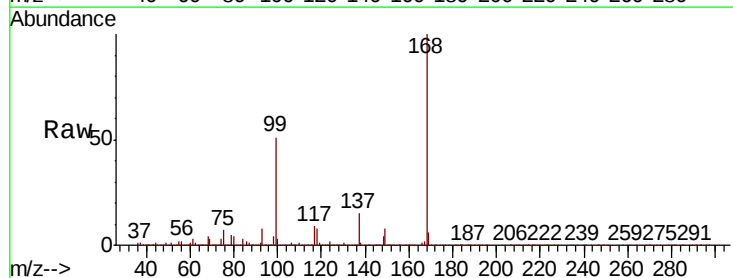
Instrument :
MSVOA_X
ClientSampled :

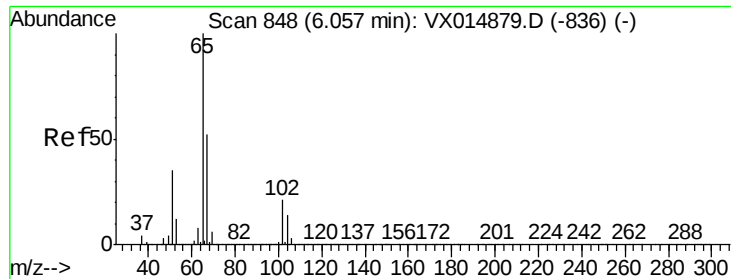
Tot Ion: 42 Resp: 1004
Ion Ratio Lower Upper
42 100
72 49.8 36.9 55.3
71 0.0 34.1 51.1#



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion: 56 Resp: 8406
Ion Ratio Lower Upper
56 100
69 161.2 25.9 38.9#
84 129.3 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 51.010 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

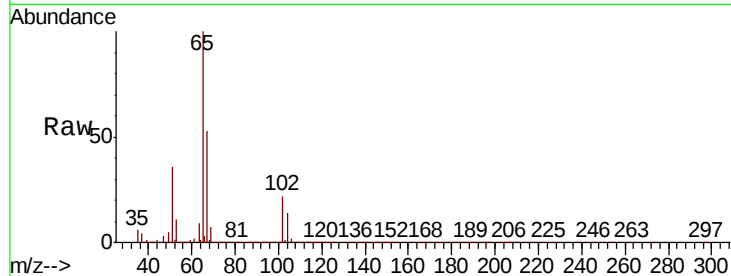
ClientSampleId :

Tot Ion: 65 Resp: 243664

Ion Ratio Lower Upper

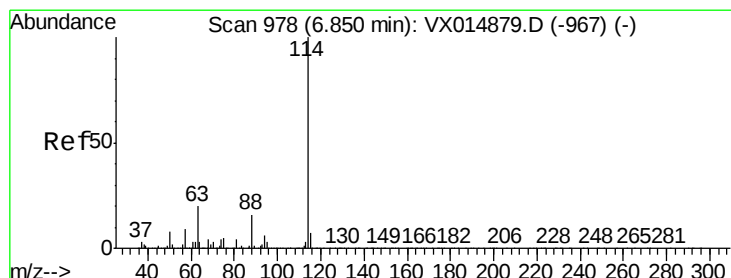
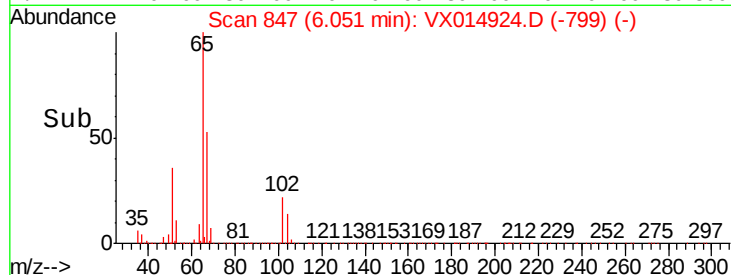
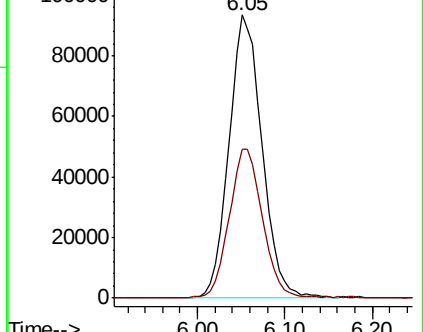
65 100

67 52.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

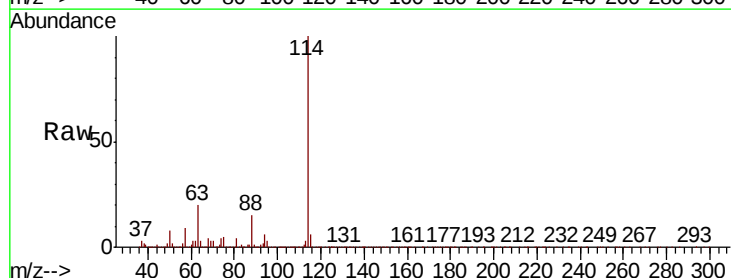
Tgt Ion: 114 Resp: 660416

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

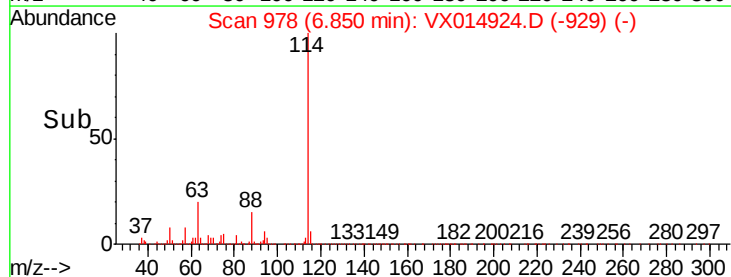
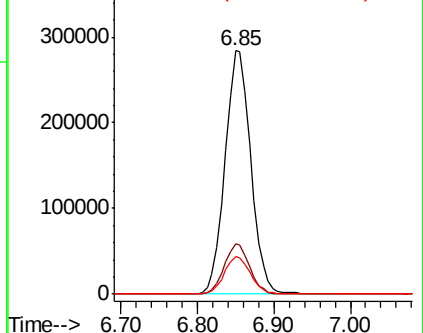
88 15.2 0.0 32.0

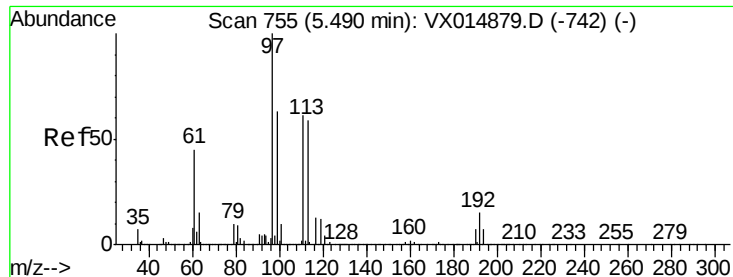


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

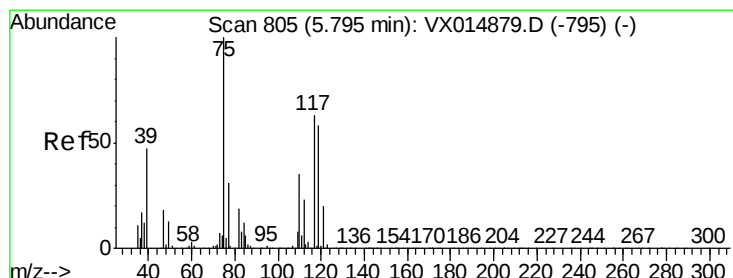
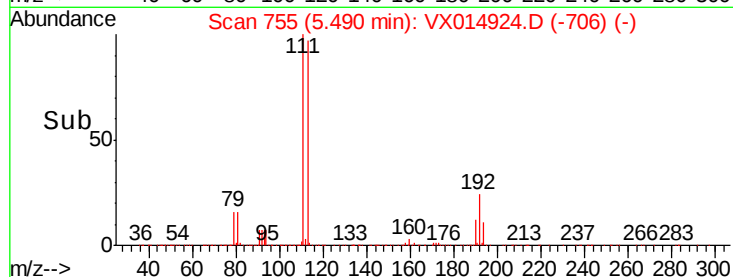
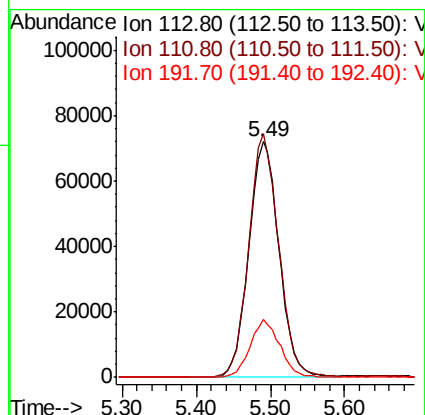
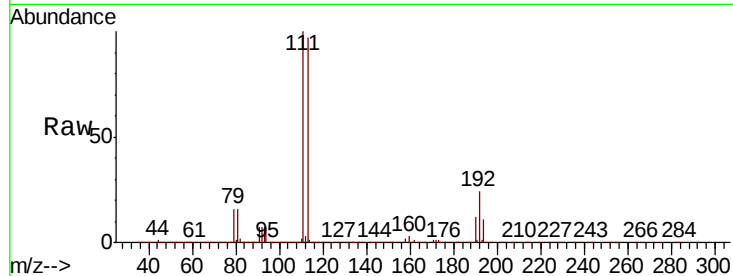




#35
Dibromofluoromethane
Concen: 50.714 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

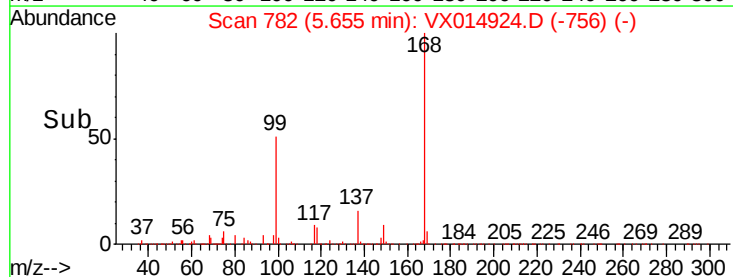
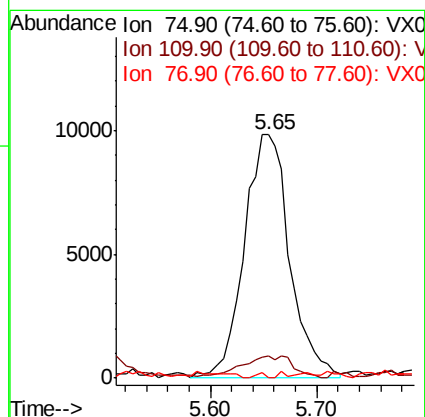
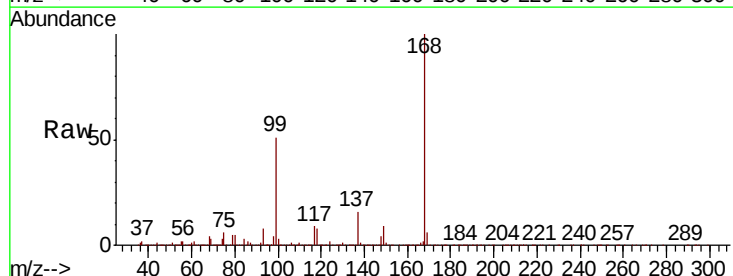
Instrument :
MSVOA_X
ClientSampleId :

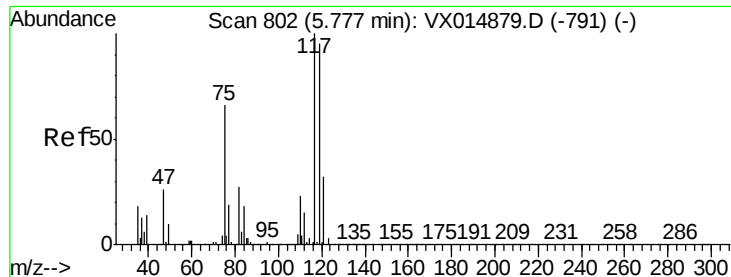
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	24.0	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.8#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.426 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :

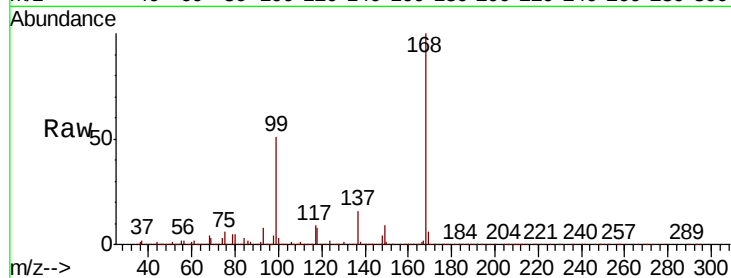
Tot Ion:117 Resp: 36994

Ion Ratio Lower Upper

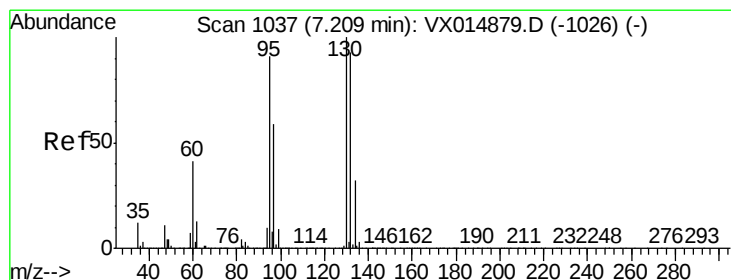
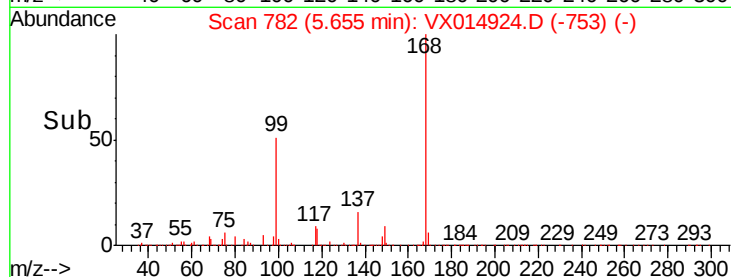
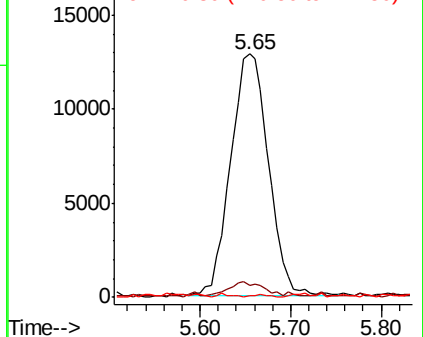
117 100

119 4.2 76.0 114.0#

121 1.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.727 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014924.D

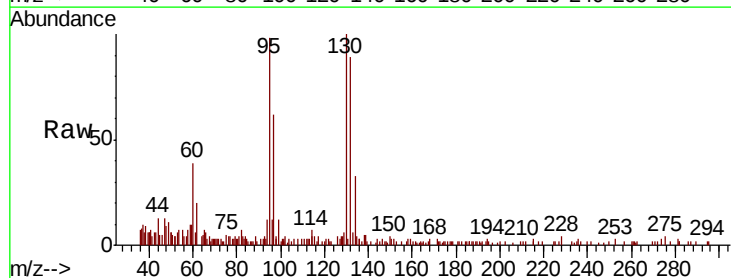
Acq: 12 Feb 2020 14:39

Tgt Ion:130 Resp: 8847

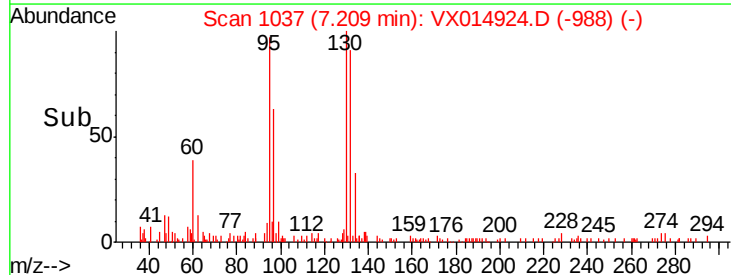
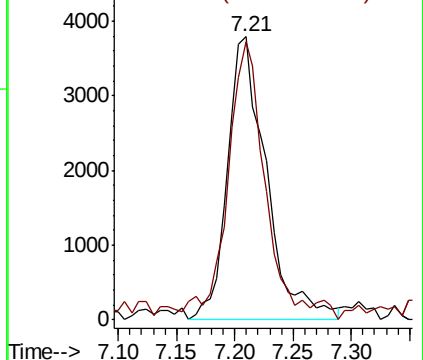
Ion Ratio Lower Upper

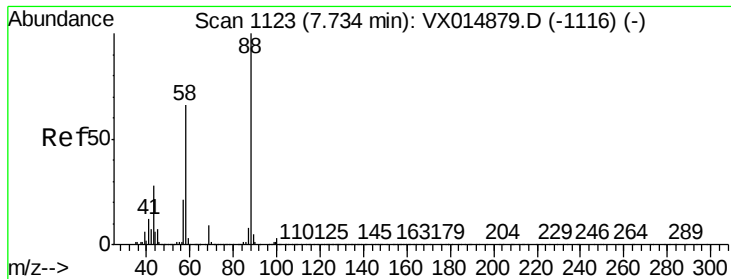
130 100

95 98.4 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.615 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

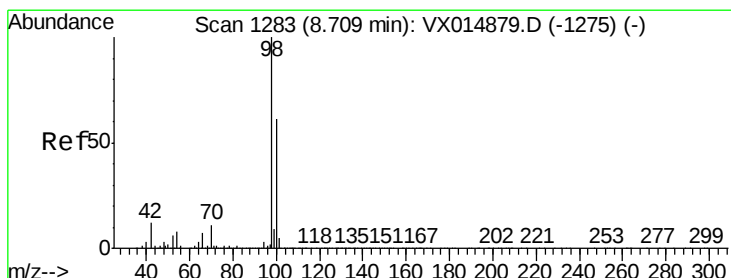
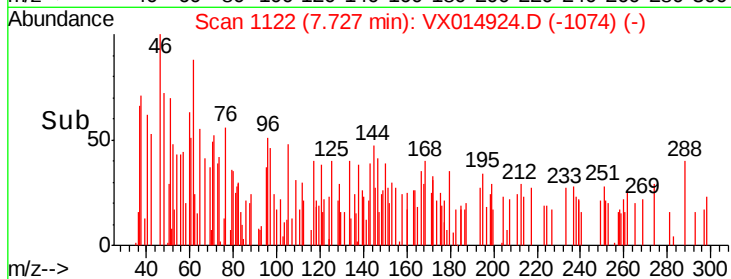
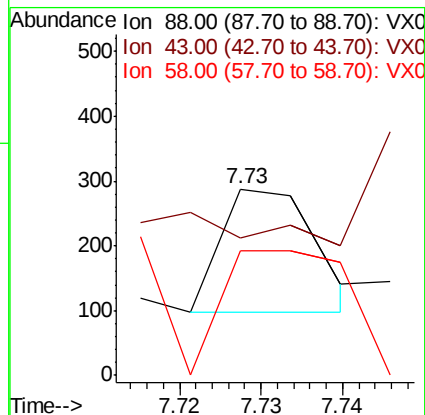
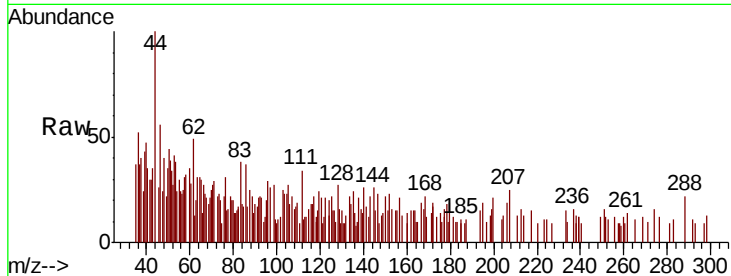
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 135.8 53.2 79.8#



#50

Toluene-d8

Concen: 51.479 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014924.D

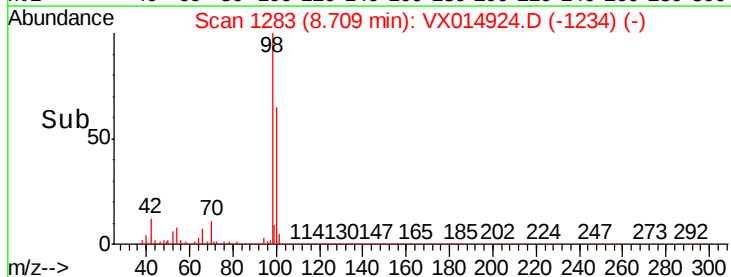
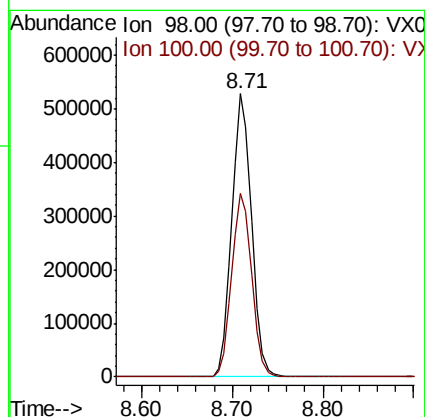
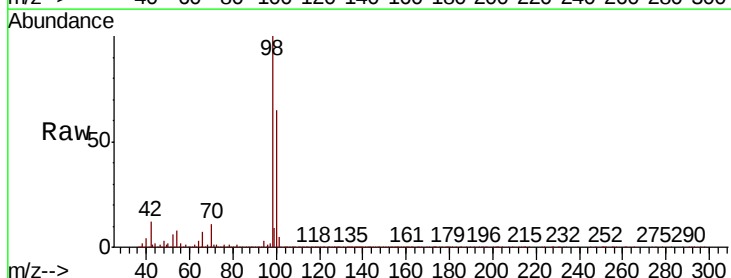
Acq: 12 Feb 2020 14:39

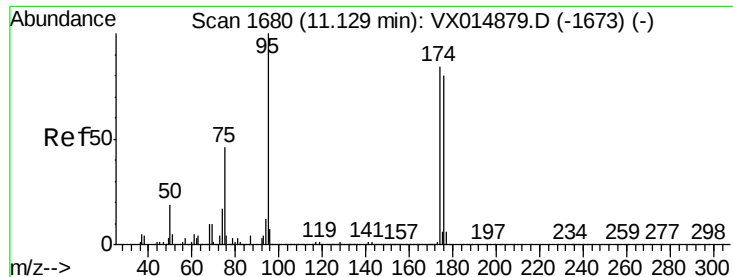
Tgt Ion: 98 Resp: 797805

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

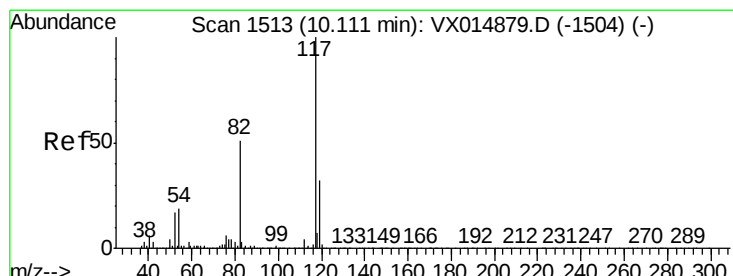
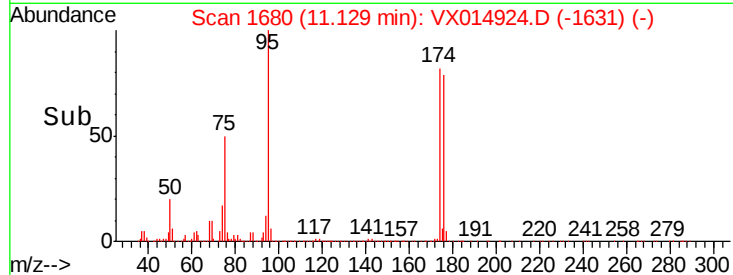
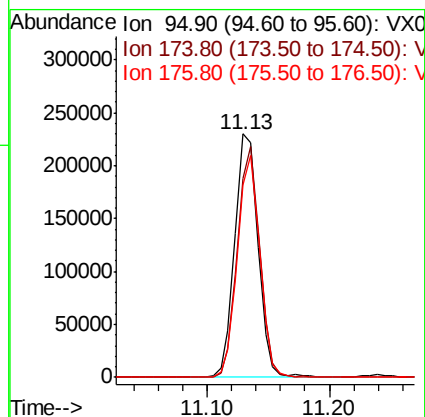
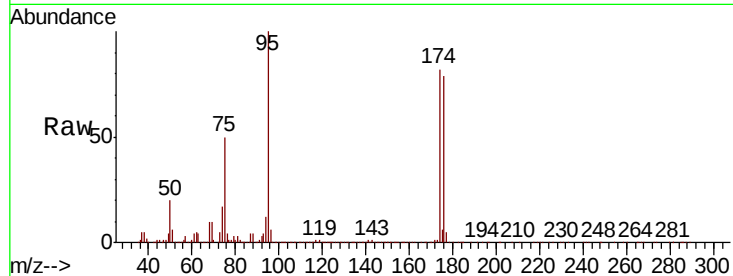




#62
4-Bromofluorobenzene
Concen: 54.021 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

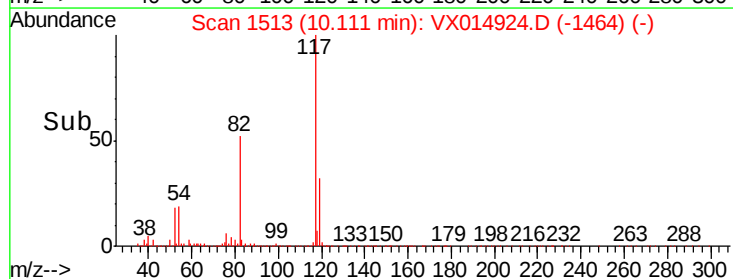
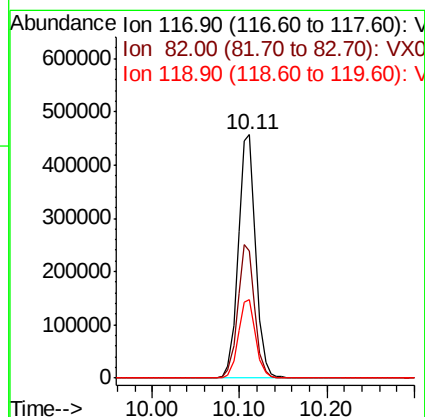
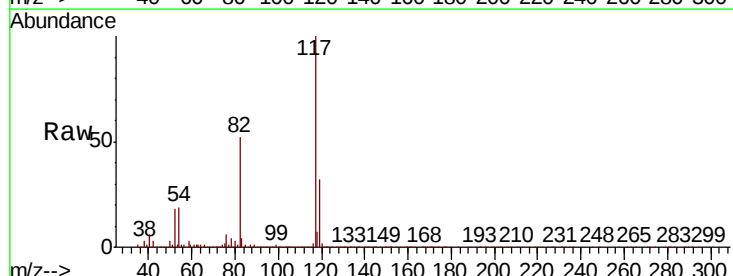
Instrument :
MSVOA_X
ClientSampleId :

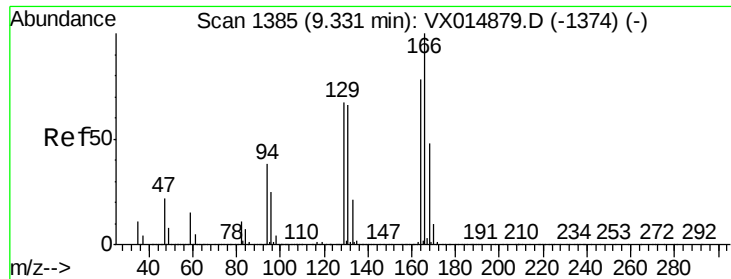
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	183.0
176	87.7	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.5	60.7
119	32.3	25.8	38.6

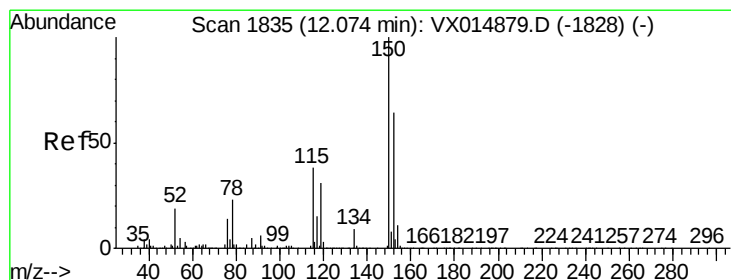
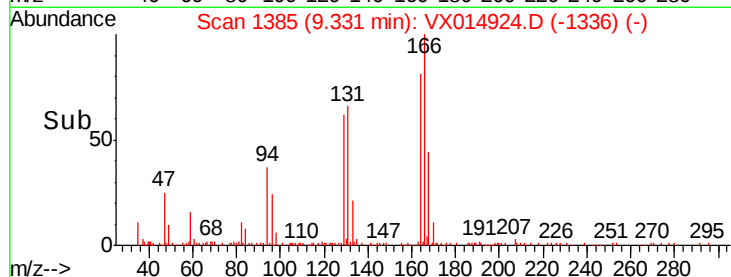
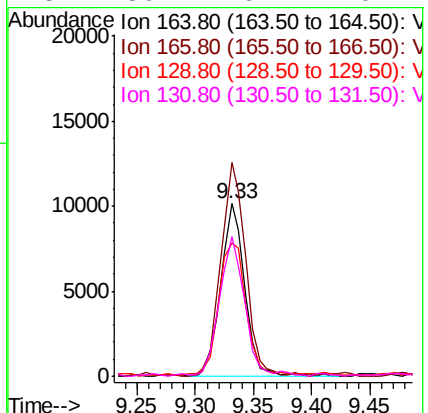
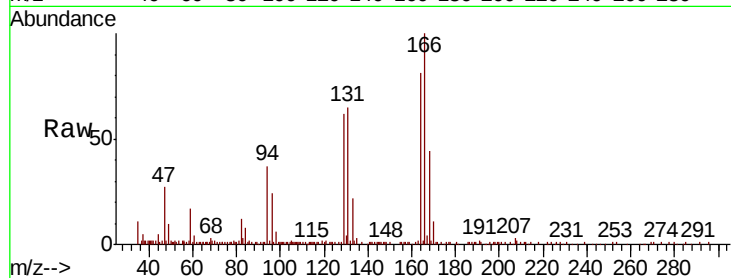




#64
Tetrachloroethene
Concen: 2.443 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

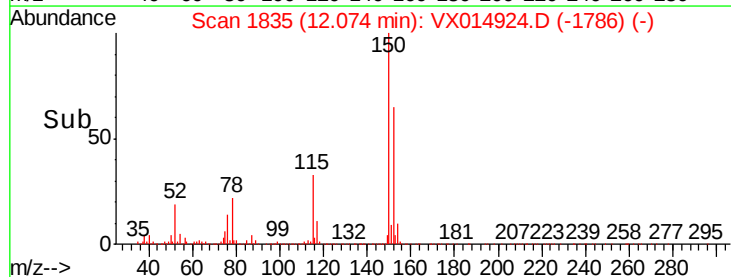
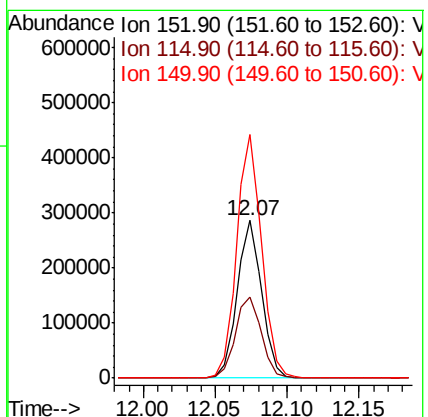
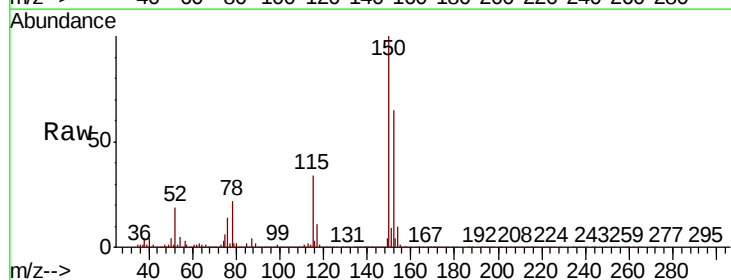
Instrument :
MSVOA_X
ClientSampleId :

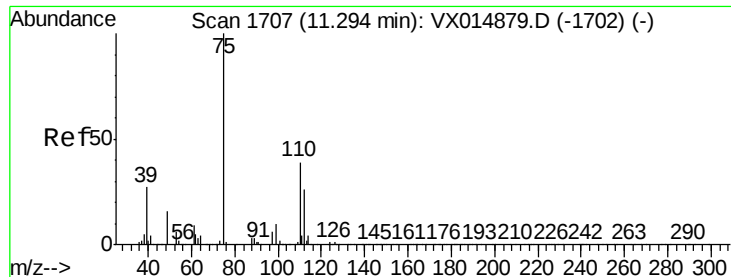
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	102.6	153.8
129	76.7	68.3	102.5
131	80.2	67.4	101.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014924.D
Acq: 12 Feb 2020 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.6	116.0
150	157.6	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 24.384 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

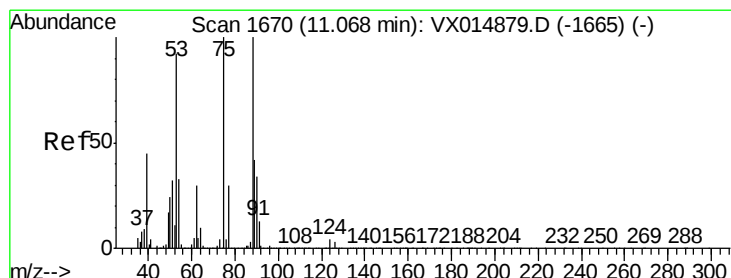
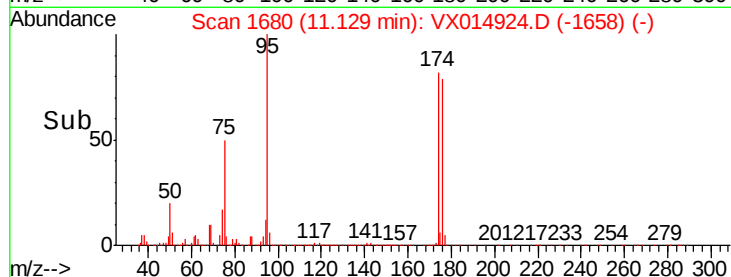
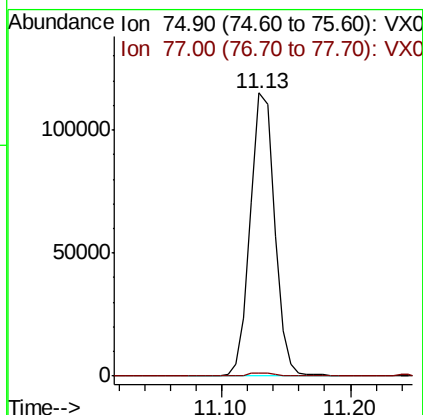
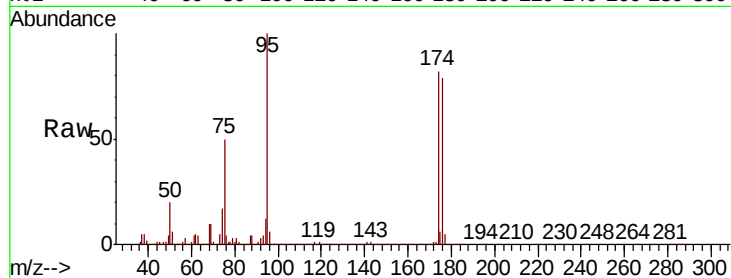
ClientSampled :

Tot Ion: 75 Resp: 149065

Ion Ratio Lower Upper

75 100

77 1.2 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.415 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

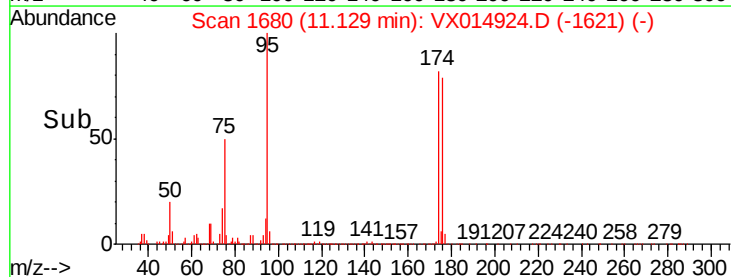
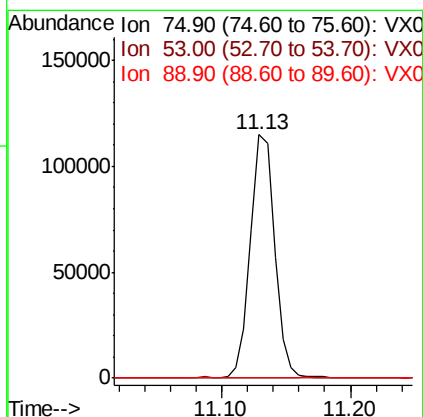
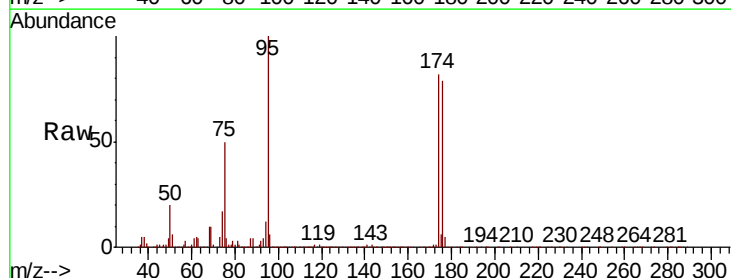
Tgt Ion: 75 Resp: 149065

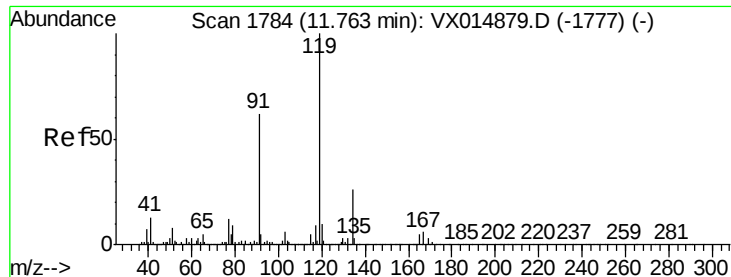
Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#





#83

tert-Butylbenzene

Concen: 0.451 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

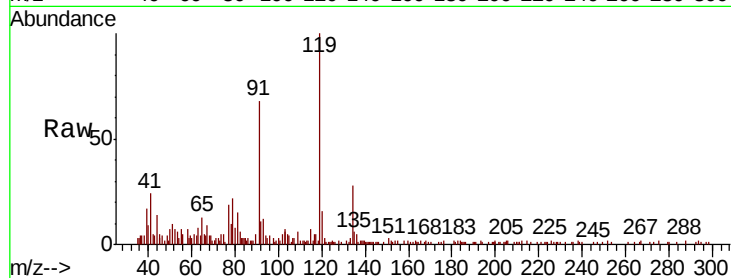
Tot Ion:119 Resp: 7559

Ion Ratio Lower Upper

119 100

91 69.4 29.5 88.6

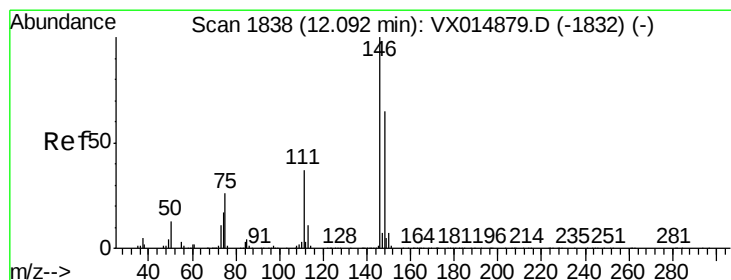
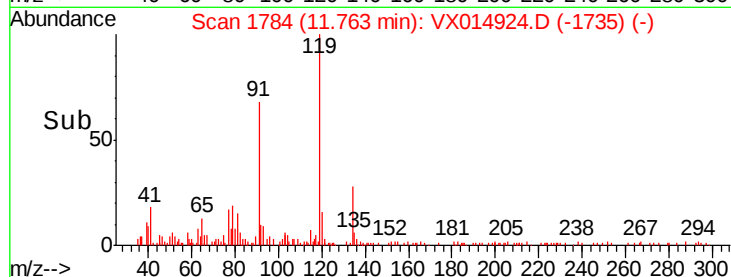
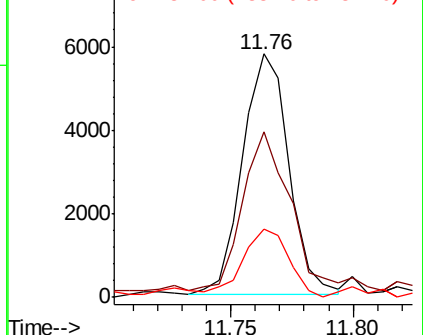
134 28.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#88

1,4-Dichlorobenzene

Concen: 1.167 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014924.D

Acq: 12 Feb 2020 14:39

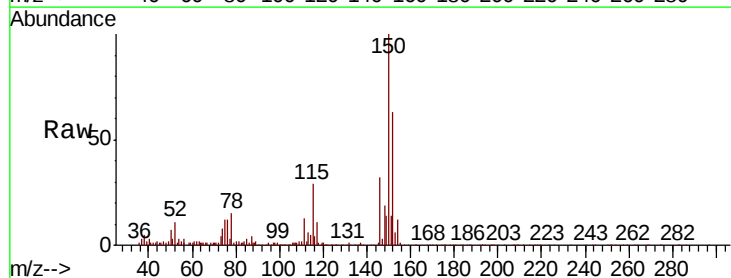
Tgt Ion:146 Resp: 12654

Ion Ratio Lower Upper

146 100

111 70.1 18.6 55.6#

148 68.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

