

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014159.D
 Acq On : 20 Dec 2019 07:35
 Operator : JC/SP
 Sample : K6377-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 07:56:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	566652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	857393	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	760636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	343439	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	306840	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.49	113	251366	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1010806	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	338215	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

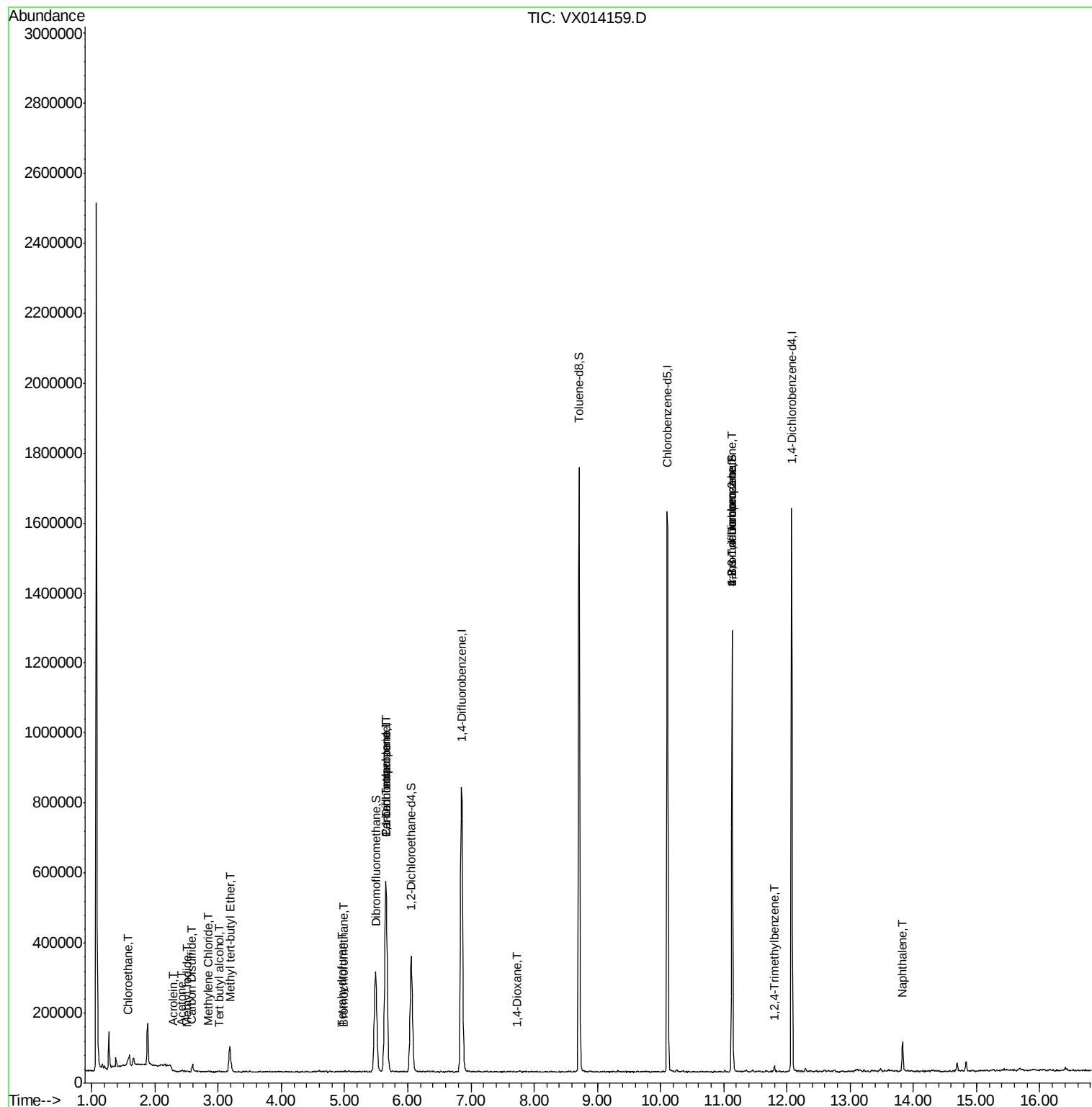
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.57	64	4220	0.952	ug/l #	68
10) Methyl Iodide	2.52	142	524	2.691	ug/l #	21
11) Tert butyl alcohol	3.03	59	2416	1.741	ug/l #	72
13) Acrolein	2.29	56	759	0.955	ug/l #	26
16) Acetone	2.43	43	5235	1.256	ug/l	94
17) Carbon Disulfide	2.57	76	1653	0.858	ug/l #	91
19) Methyl tert-butyl Ether	3.19	73	82379	4.599	ug/l	97
20) Methylene Chloride	2.84	84	1364	0.208	ug/l #	45
28) Bromochloromethane	4.99	49	564	0.588	ug/l #	31
29) Tetrahydrofuran	4.96	42	918	0.319	ug/l	93
36) 1,1-Dichloropropene	5.65	75	36888	4.689	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48922	6.826	ug/l #	17
49) 1,4-Dioxane	7.73	88	283	1.975	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	164385	22.047	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	164385	62.229	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	8981	0.441	ug/l	99
95) Naphthalene	13.83	128	63068	2.814	ug/l	99

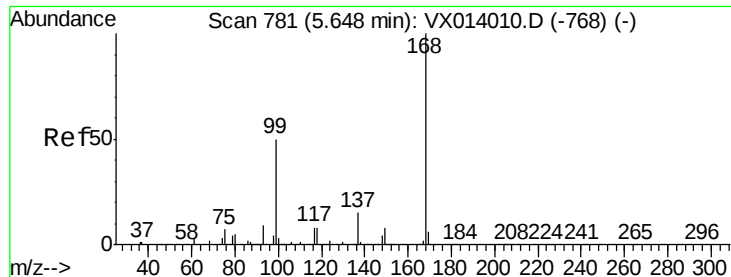
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014159.D

Acq: 20 Dec 2019 07:35

Instrument :

MSVOA_X

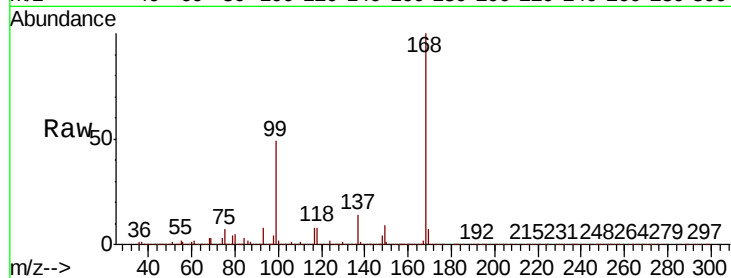
ClientSampleId :

Tot Ion:168 Resp: 566652

Ion Ratio Lower Upper

168 100

99 49.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

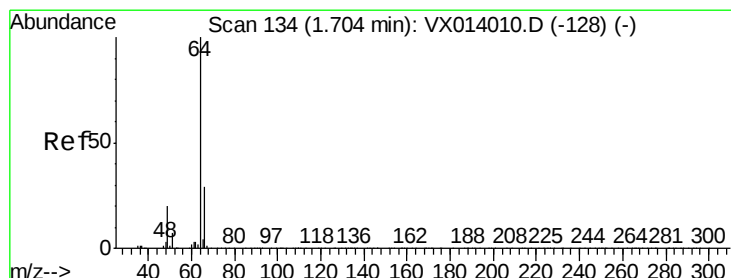
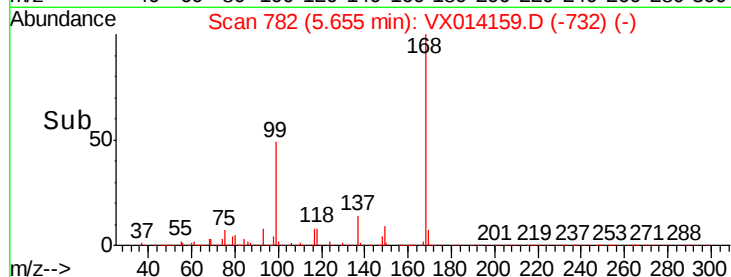
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.952 ug/l

RT: 1.57 min Scan# 112

Delta R.T. -0.13 min

Lab File: VX014159.D

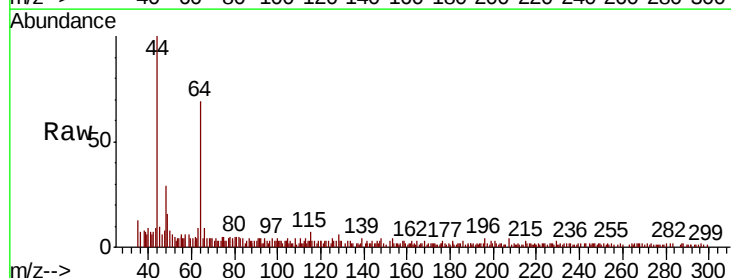
Acq: 20 Dec 2019 07:35

Tgt Ion: 64 Resp: 4220

Ion Ratio Lower Upper

64 100

66 12.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

5000

4000

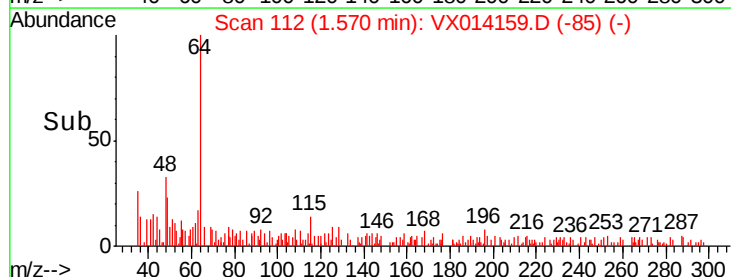
3000

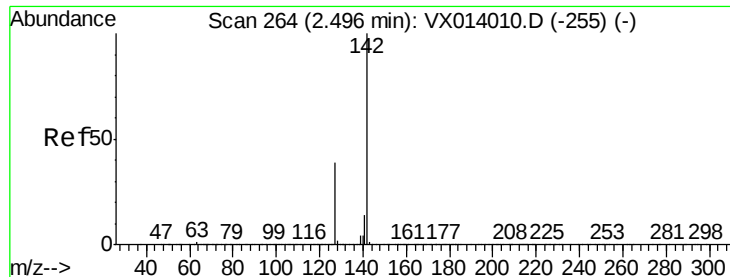
2000

1000

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Time-->

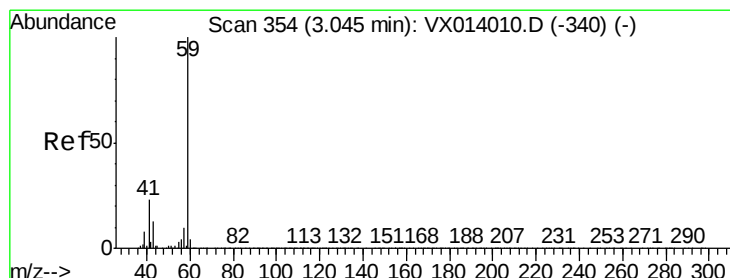
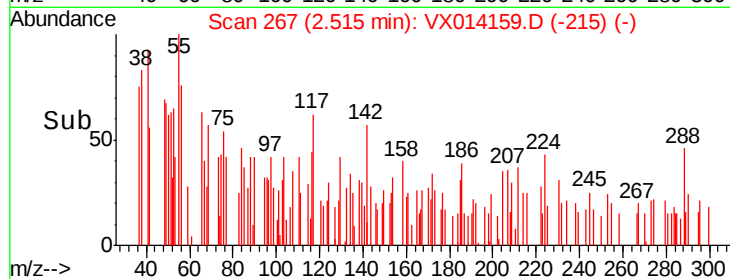
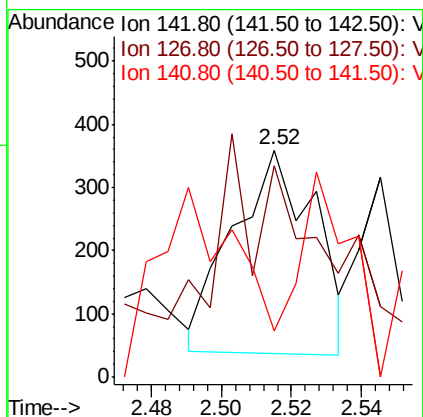
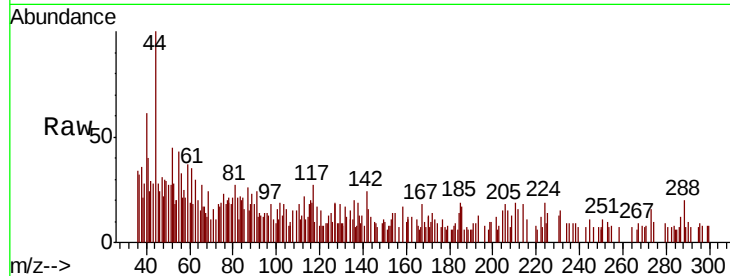




#10
Methvl Iodide
Concen: 2.691 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

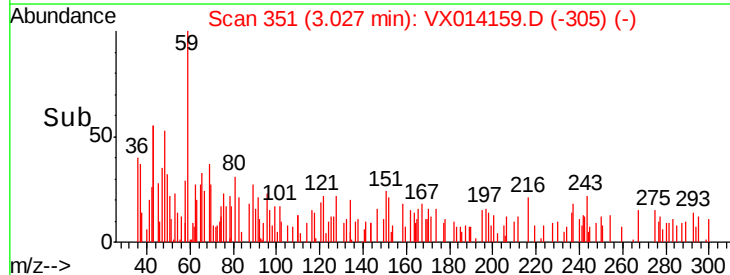
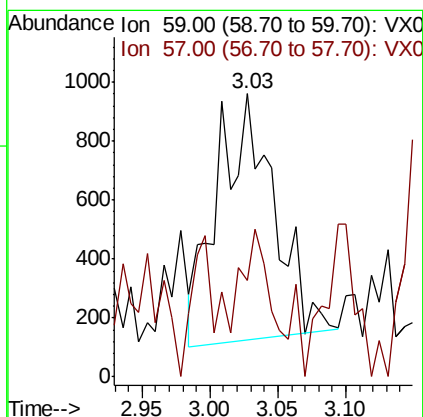
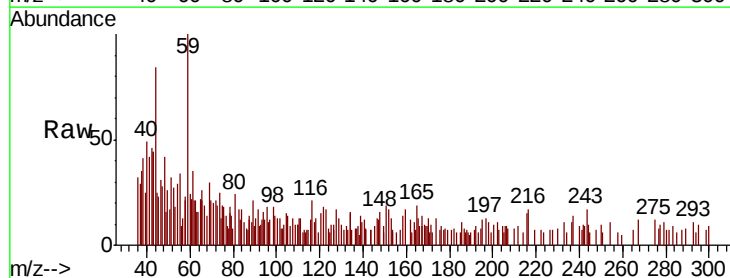
Instrument :
MSVOA_X
ClientSampled :

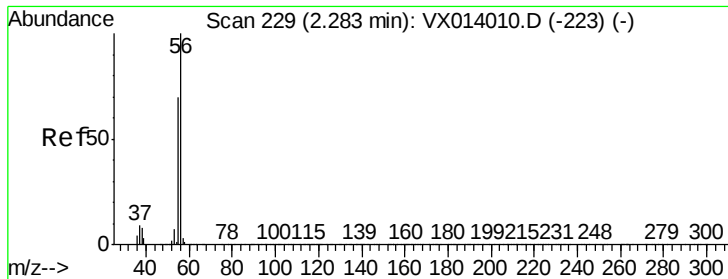
Tot Ion:142 Resp: 524
Ion Ratio Lower Upper
142 100
127 0.0 31.6 47.4#
141 63.4 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.741 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion: 59 Resp: 2416
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

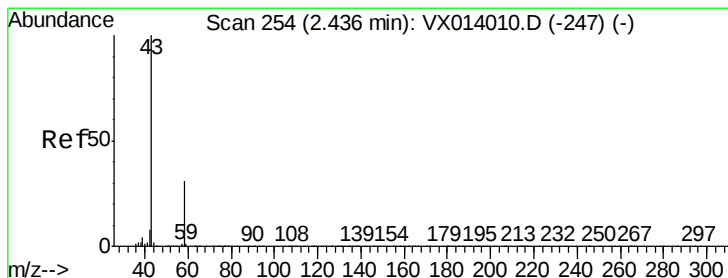
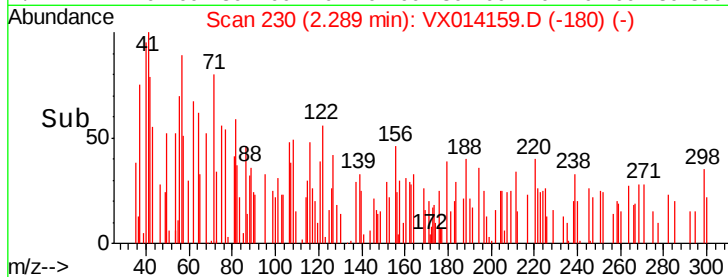
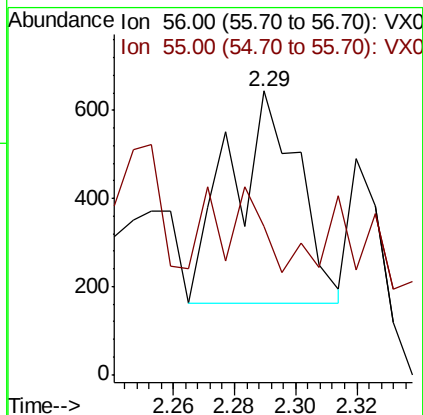
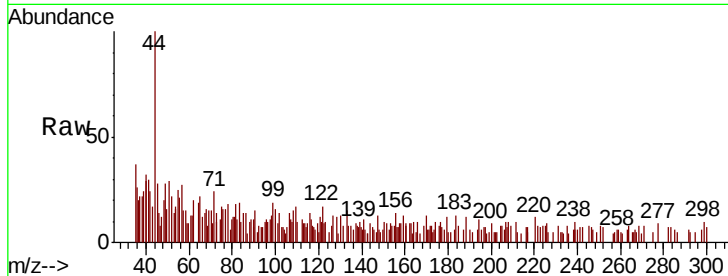




#13
Acrolein
Concen: 0.955 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

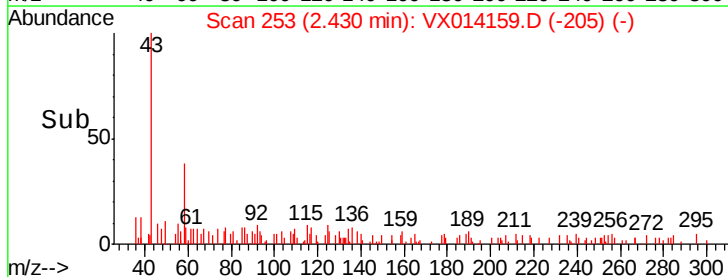
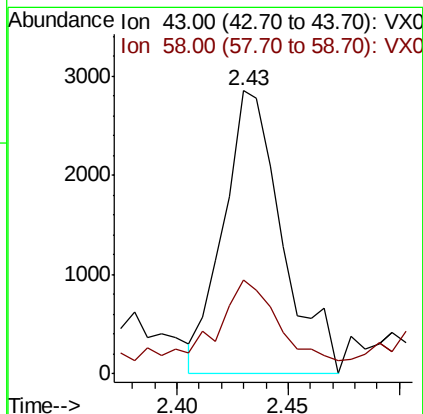
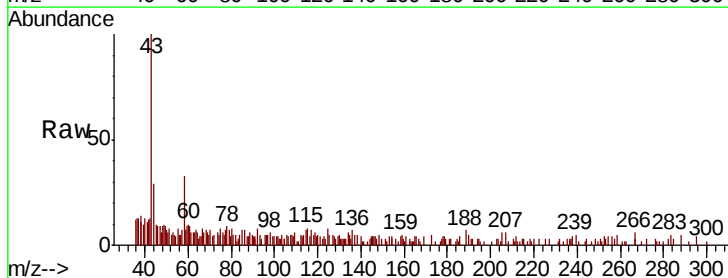
Instrument :
MSVOA_X
ClientSampled :

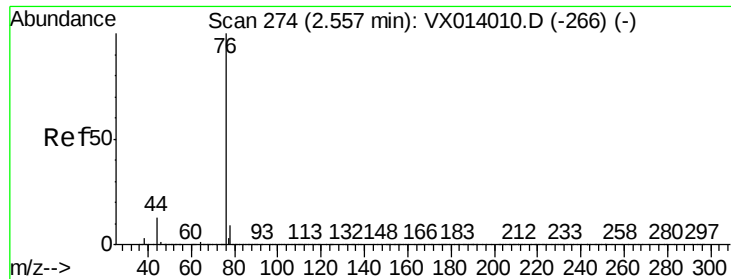
Tot Ion: 56 Resp: 759
Ion Ratio Lower Upper
56 100
55 10.0 56.9 85.3#



#16
Acetone
Concen: 1.256 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion: 43 Resp: 5235
Ion Ratio Lower Upper
43 100
58 28.1 24.9 37.3

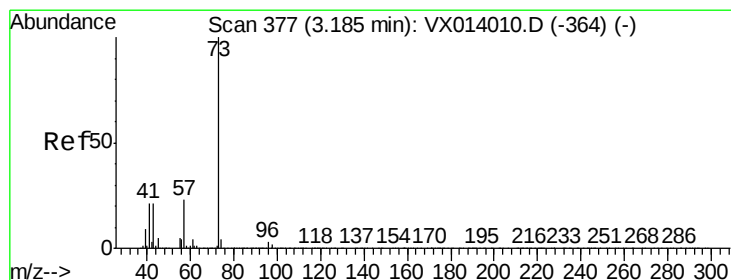
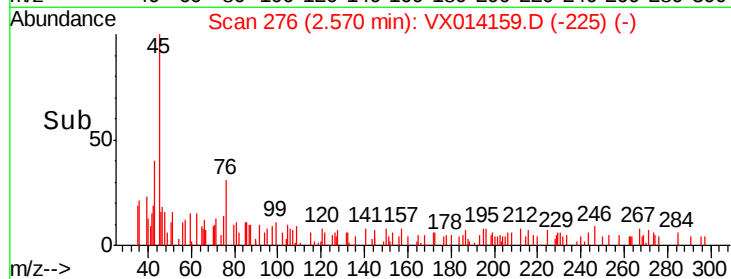
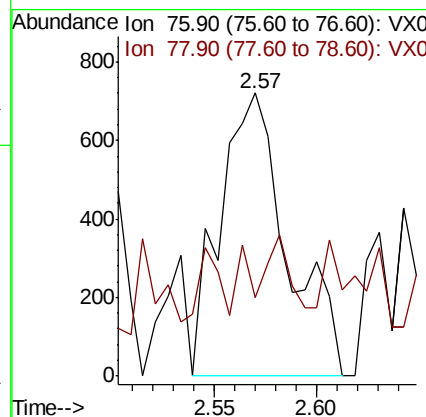
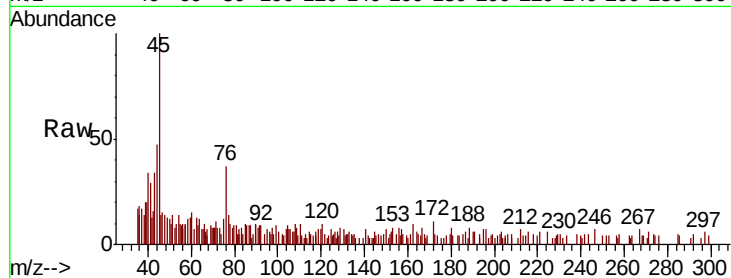




#17
Carbon Disulfide
Concen: 0.858 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

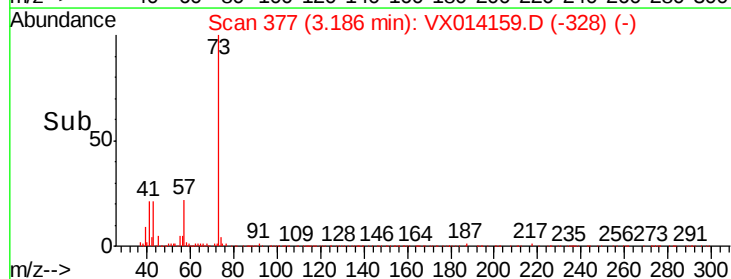
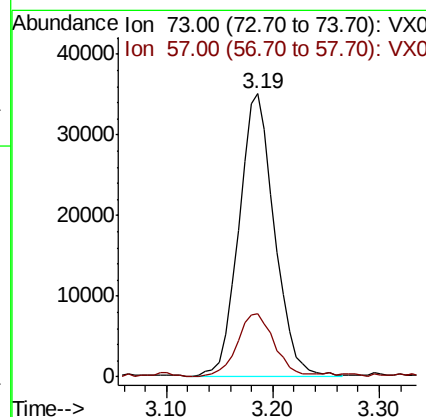
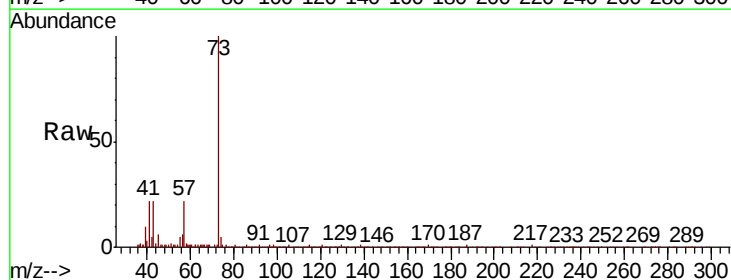
Instrument :
MSVOA_X
ClientSampleId :

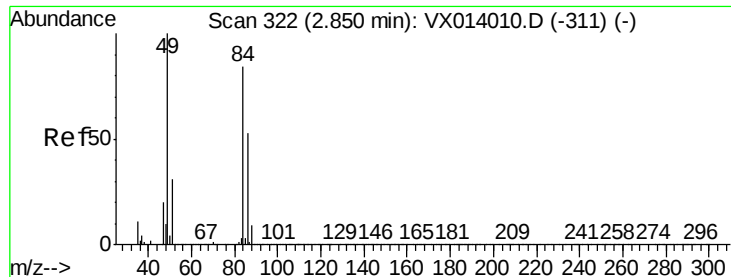
Tot Ion: 76 Resp: 1653
Ion Ratio Lower Upper
76 100
78 5.8 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 4.599 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion: 73 Resp: 82379
Ion Ratio Lower Upper
73 100
57 21.8 18.8 28.2

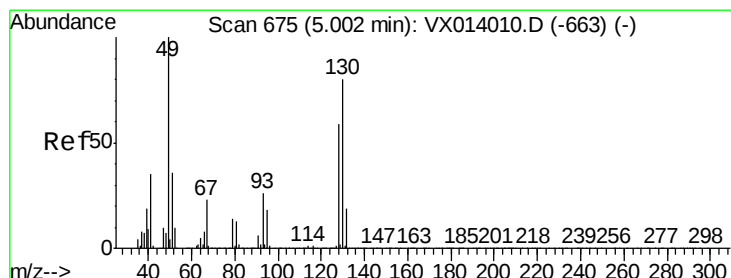
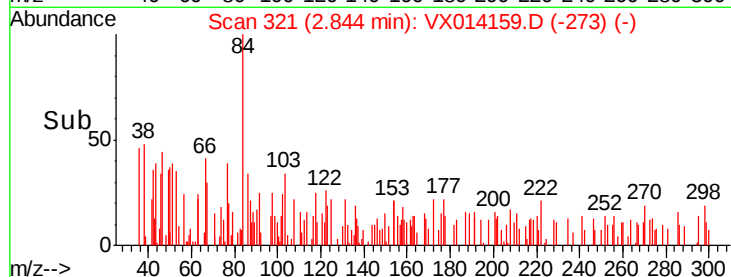
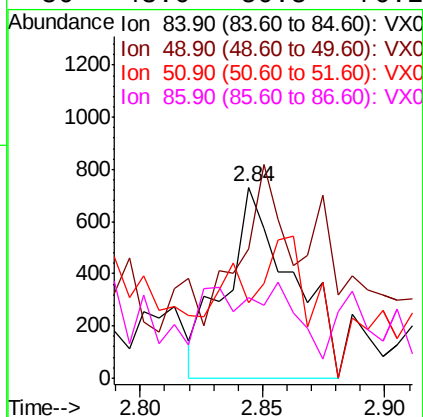
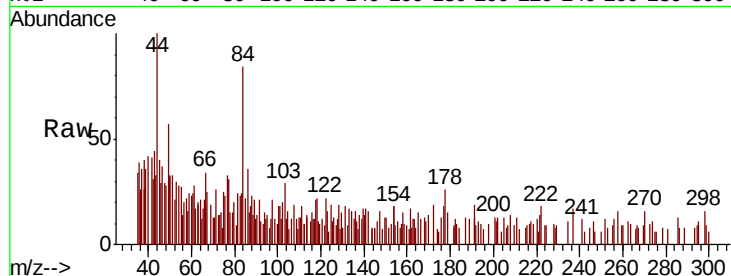




#20
Methvlene Chloride
Concen: 0.208 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

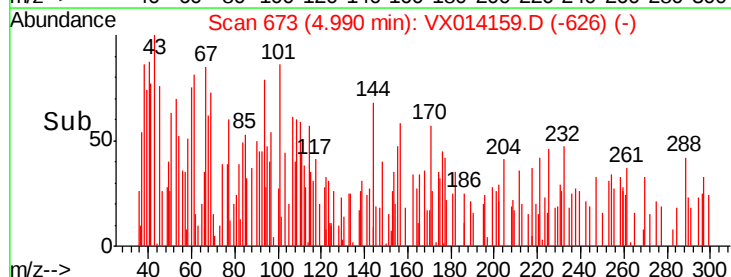
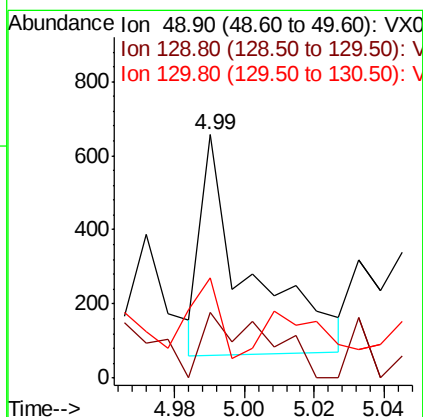
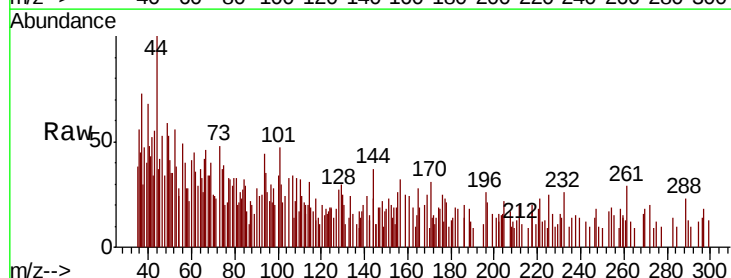
Instrument :
MSVOA_X
ClientSampleId :

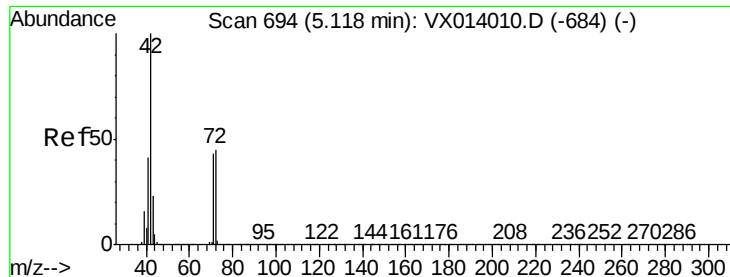
Tot Ion:	84	Resp:	1364
Ion	Ratio	Lower	Upper
84	100		
49	24.2	95.8	143.6#
51	39.3	29.8	44.8
86	43.0	50.8	76.2#



#28
Bromochloromethane
Concen: 0.588 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion:	49	Resp:	564
Ion	Ratio	Lower	Upper
49	100		
129	40.4	0.0	5.0#
130	20.6	64.6	97.0#





#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 4.96 min Scan# 668

Delta R.T. -0.16 min

Lab File: VX014159.D

Acq: 20 Dec 2019 07:35

Instrument :

MSVOA_X

ClientSampled :

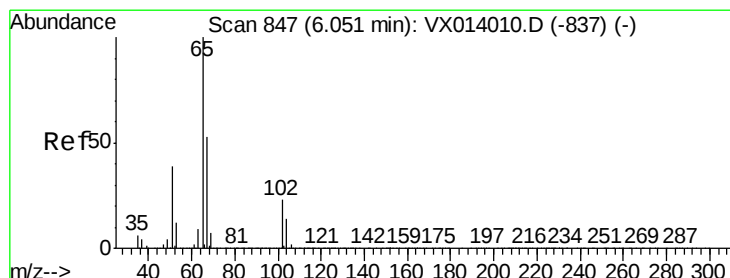
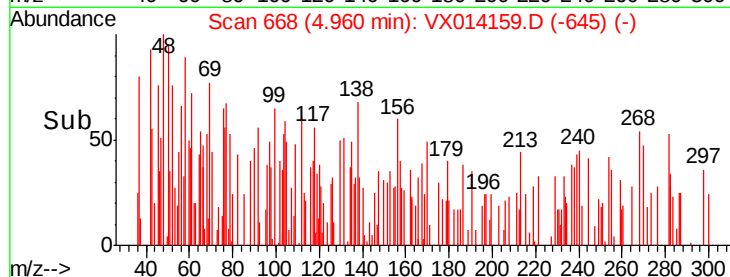
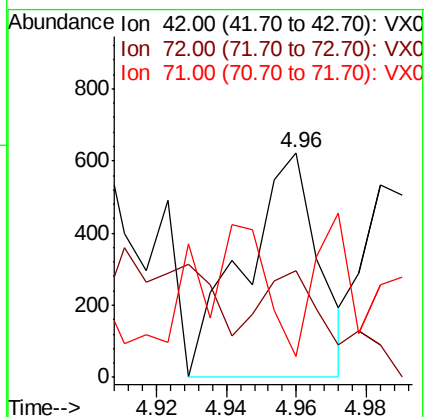
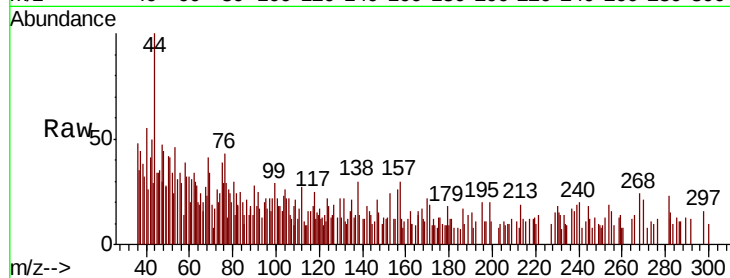
Tot Ion: 42 Resp: 918

Ion Ratio Lower Upper

42 100

72 49.3 35.8 53.8

71 37.6 33.6 50.4



#33

1,2-Dichloroethane-d4

Concen: 47.778 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014159.D

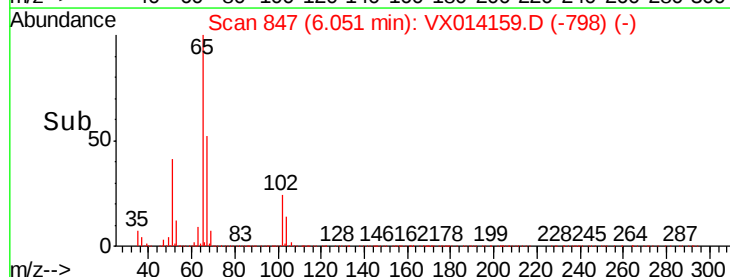
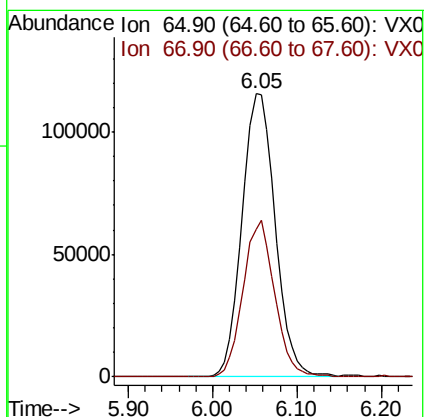
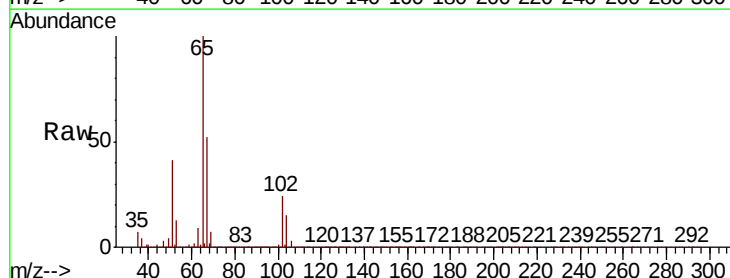
Acq: 20 Dec 2019 07:35

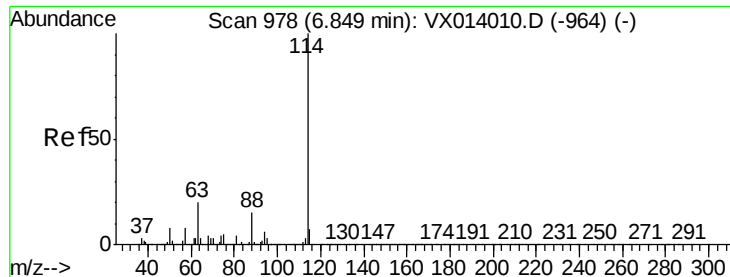
Tgt Ion: 65 Resp: 306840

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014159.D

Acq: 20 Dec 2019 07:35

Instrument :

MSVOA_X

ClientSampleId :

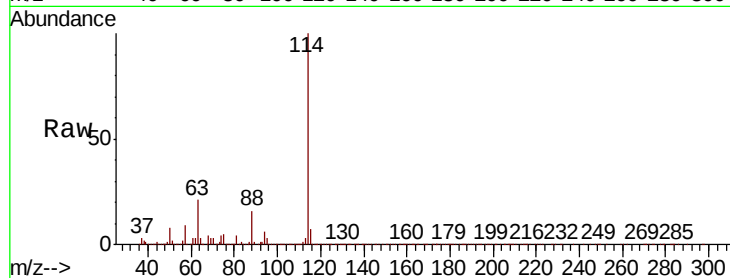
Tot Ion:114 Resp: 857393

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

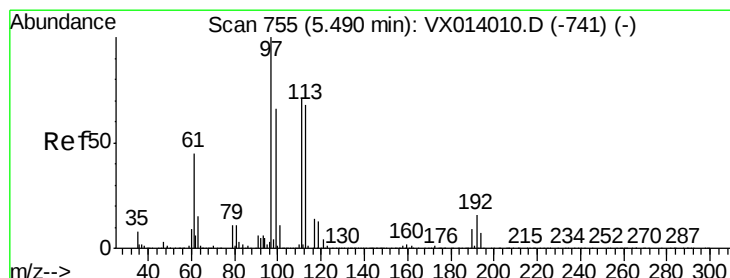
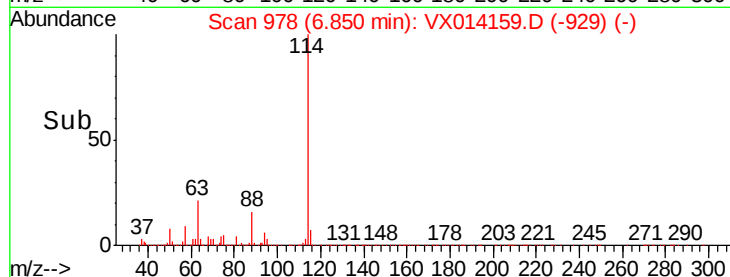
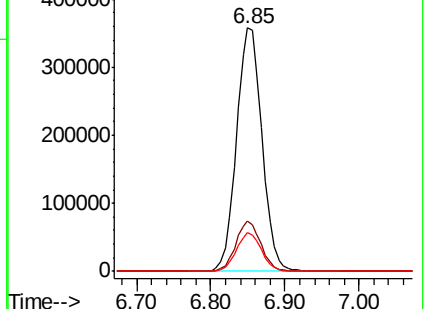
88 16.1 0.0 30.4



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: 48.228 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014159.D

Acq: 20 Dec 2019 07:35

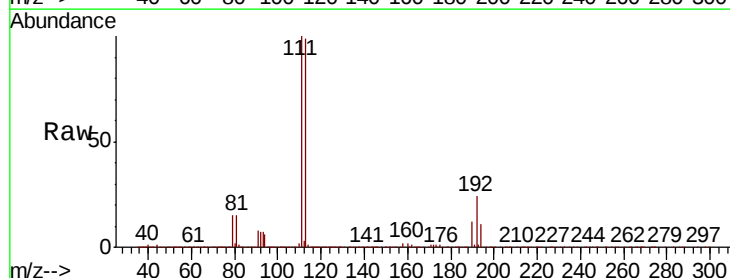
Tgt Ion:113 Resp: 251366

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

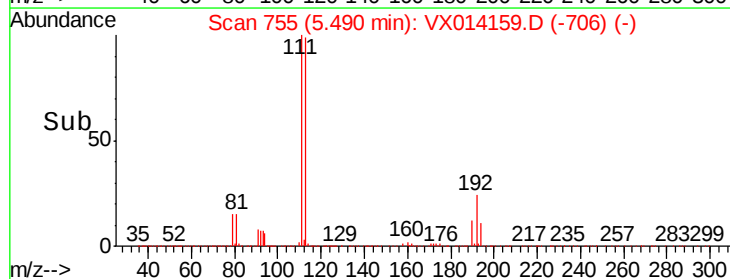
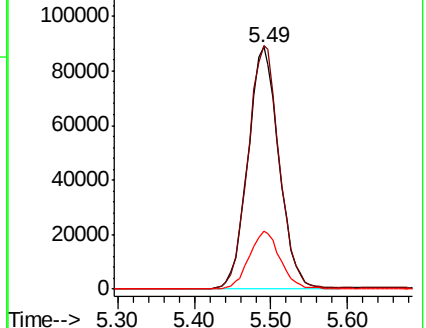
192 23.9 19.3 28.9

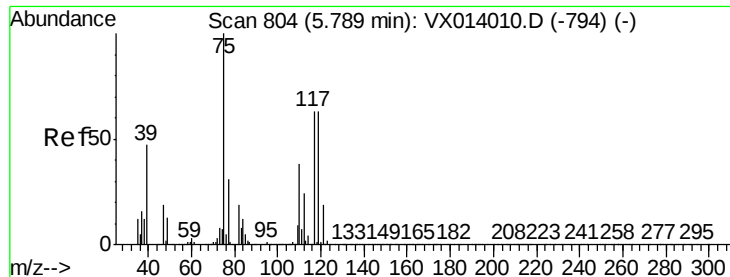


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

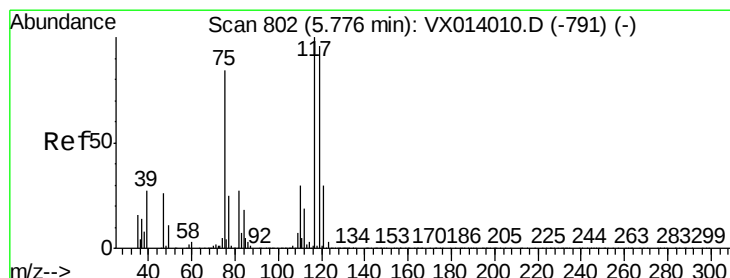
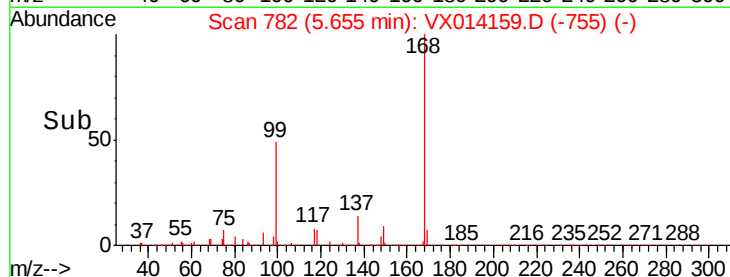
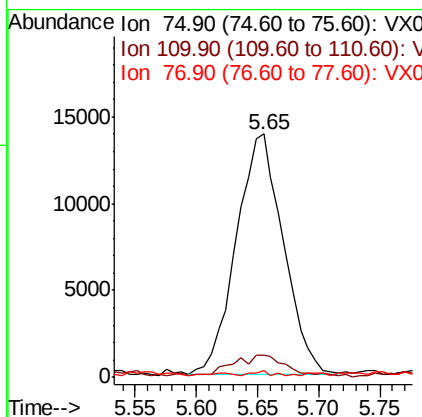
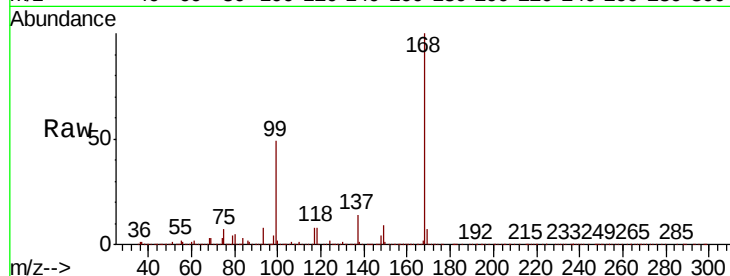




#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014159.D
 Acq: 20 Dec 2019 07:35

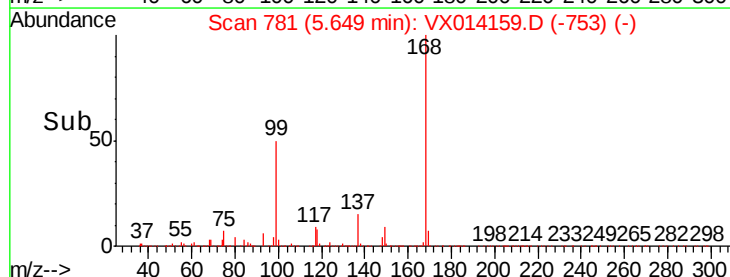
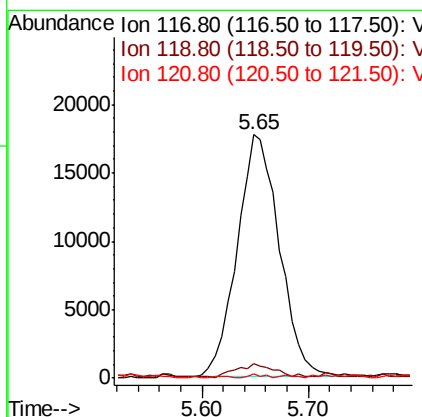
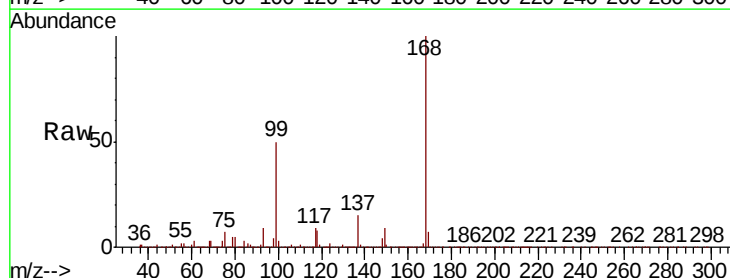
Instrument :
 MSVOA_X
 ClientSampleId :

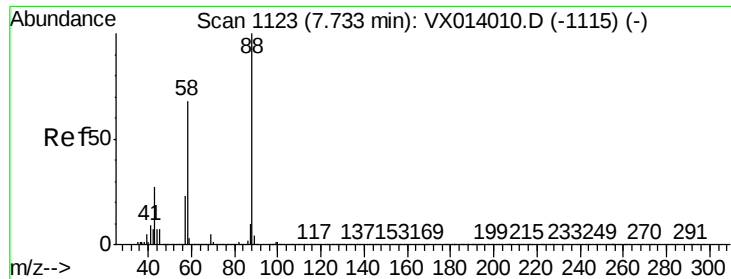
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.3	54.9#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.826 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014159.D
 Acq: 20 Dec 2019 07:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.4#
121	1.3	23.6	35.4#

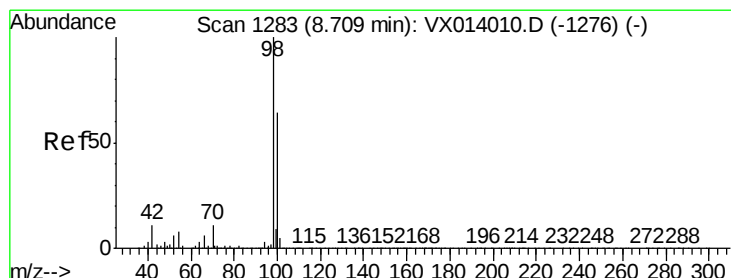
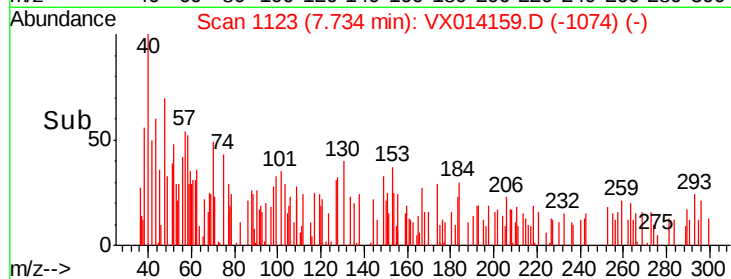
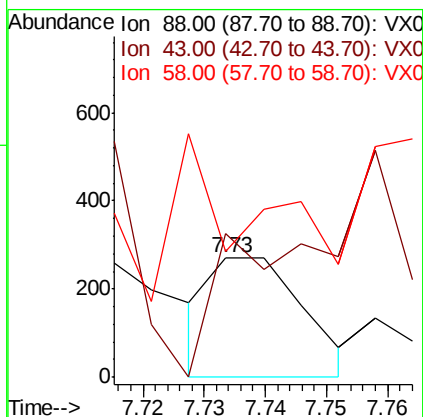
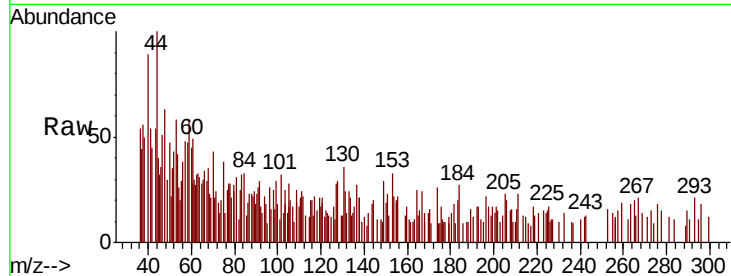




#49
1,4-Dioxane
Concen: 1.975 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

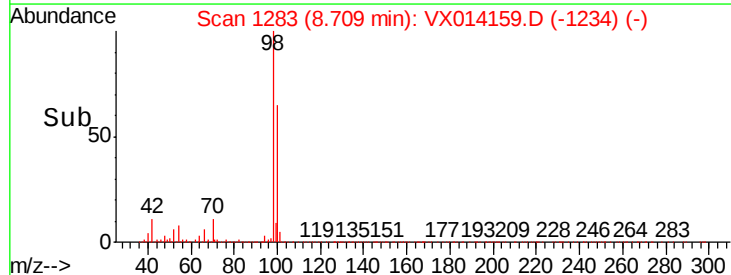
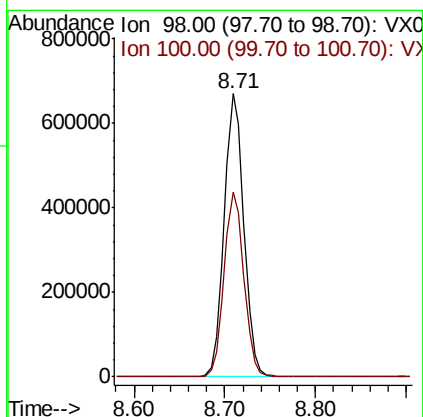
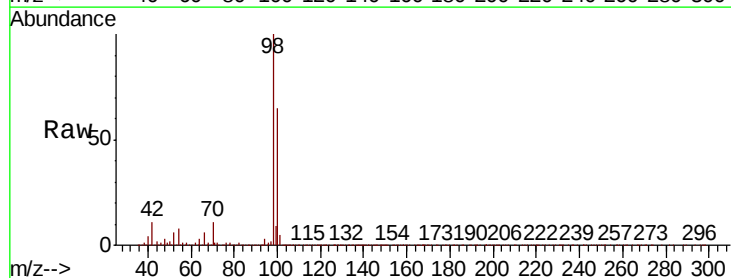
Instrument :
MSVOA_X
ClientSampleId :

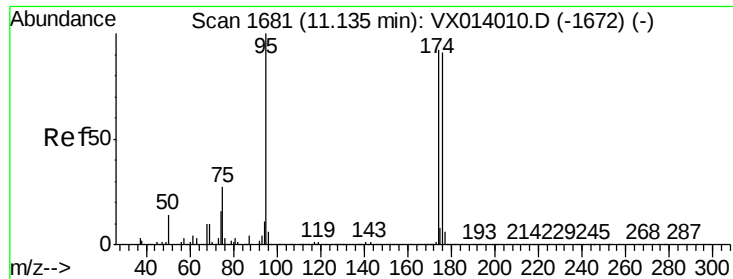
Tot Ion: 88 Resp: 283
Ion Ratio Lower Upper
88 100
43 140.3 26.5 39.7#
58 130.7 56.8 85.2#



#50
Toluene-d8
Concen: 49.814 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion: 98 Resp: 1010806
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

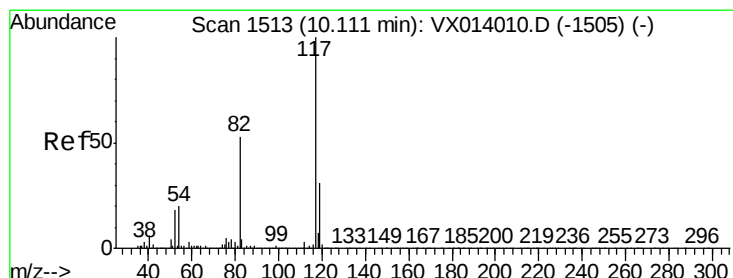
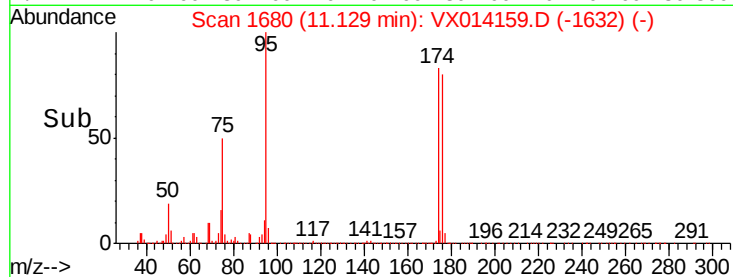
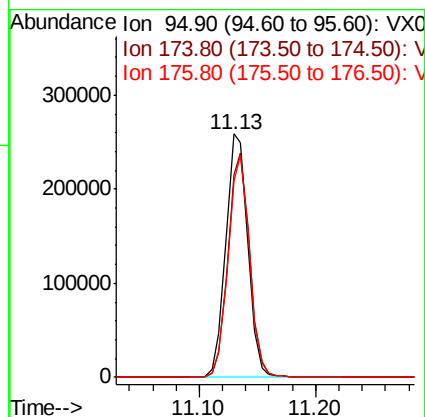
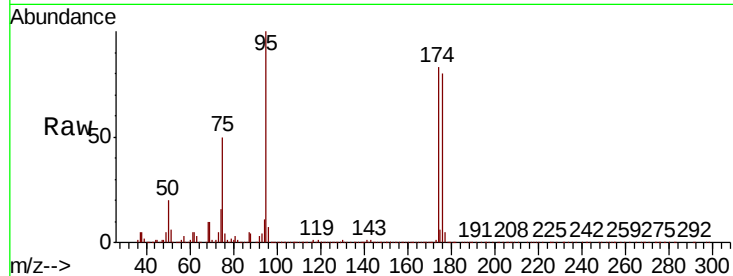




#62
4-Bromofluorobenzene
Concen: 45.597 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

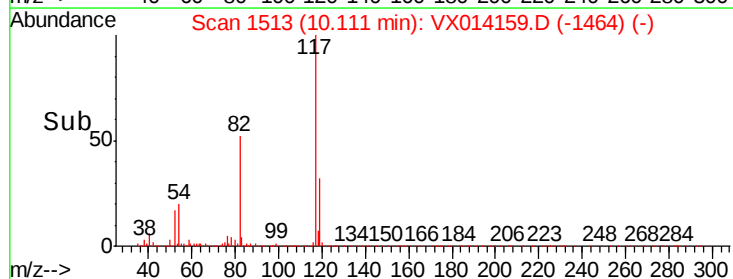
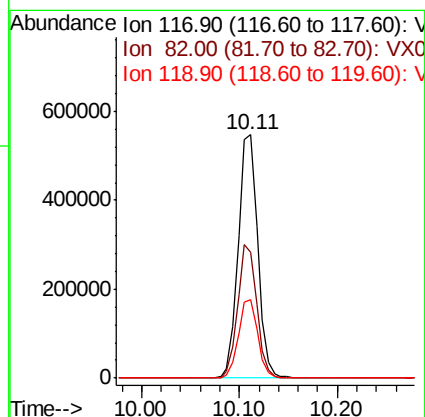
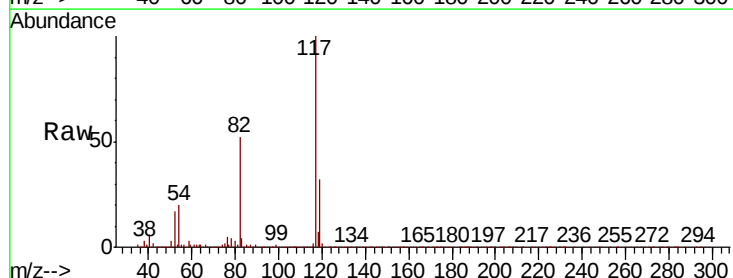
Instrument :
MSVOA_X
ClientSampleId :

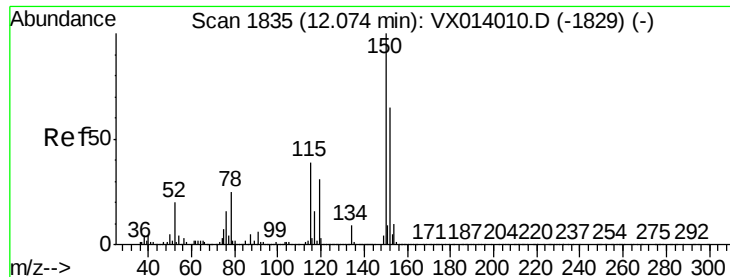
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	175.8
176	88.3	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.4
119	32.2	25.1	37.7



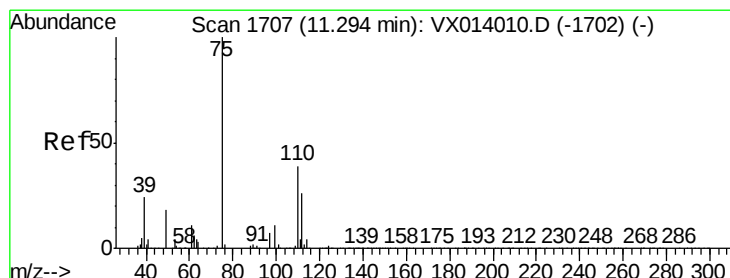
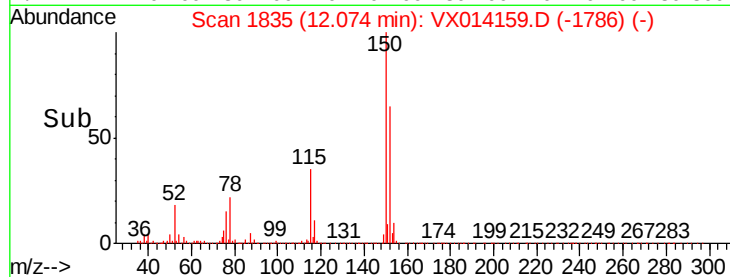
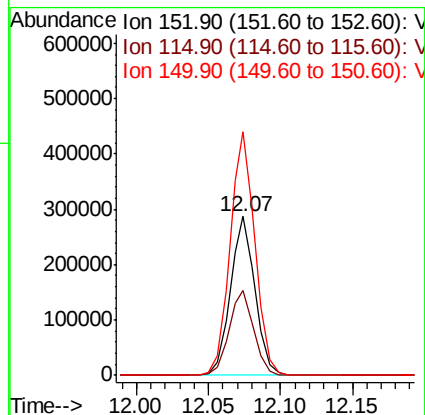
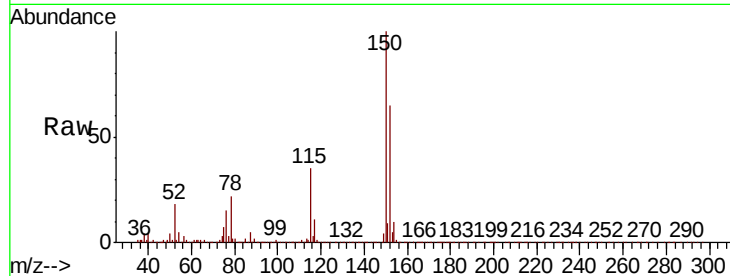


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Instrument :
MSVOA_X
ClientSampleId :

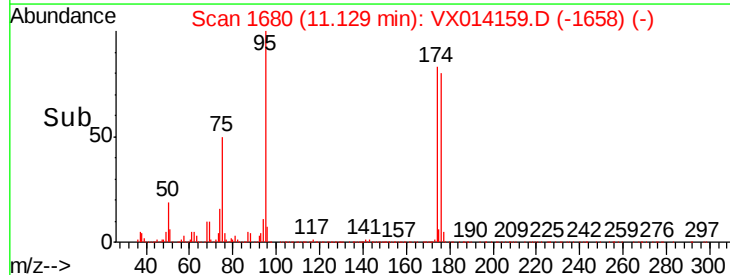
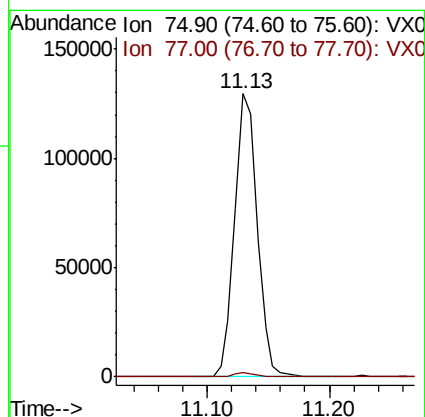
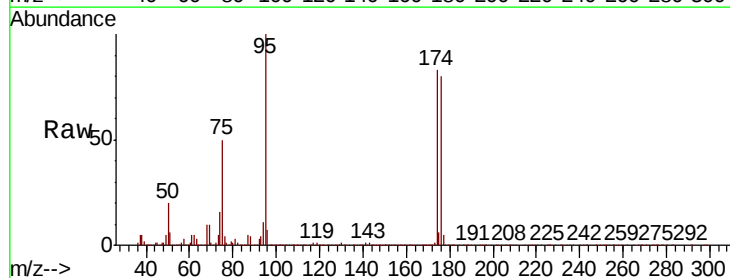
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.8	38.3	114.9
150	154.7	0.0	345.4

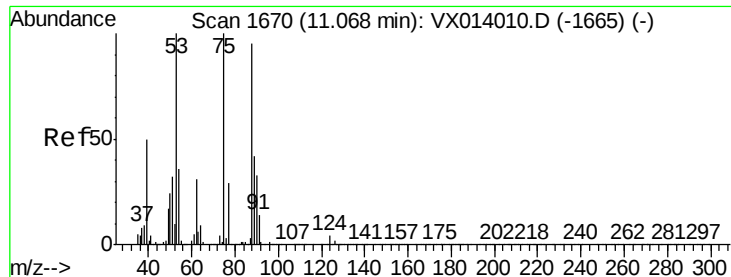


#76

1,2,3-Trichloropropane
Concen: 22.047 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.229 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014159.D

Acq: 20 Dec 2019 07:35

Instrument :

MSVOA_X

ClientSampleId :

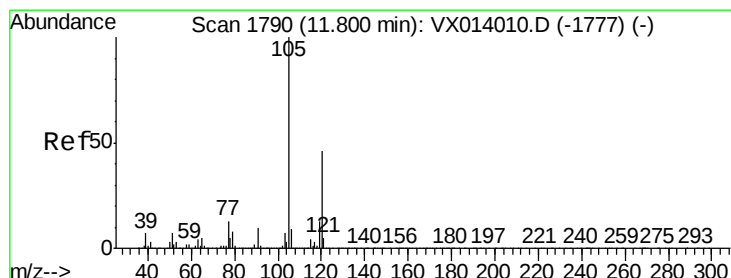
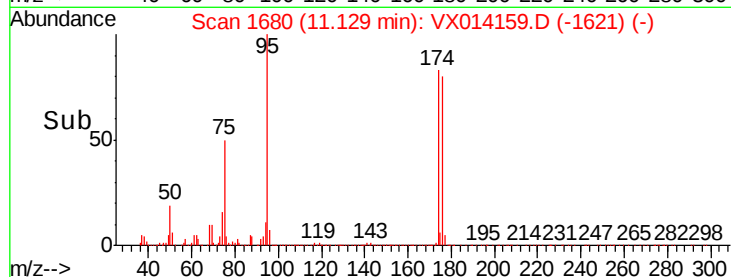
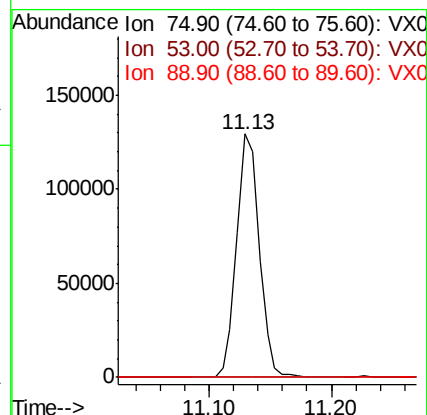
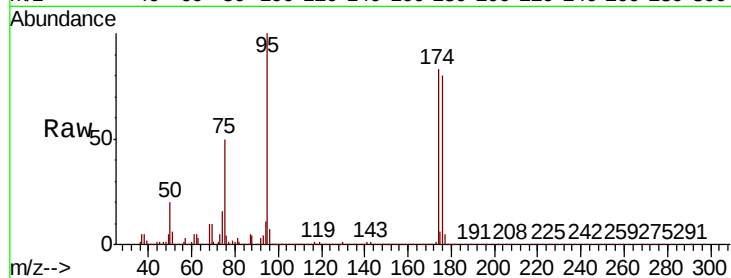
Tot Ion: 75 Resp: 164385

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 34.6 51.8#



#84

1,2,4-Trimethylbenzene

Concen: 0.441 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX014159.D

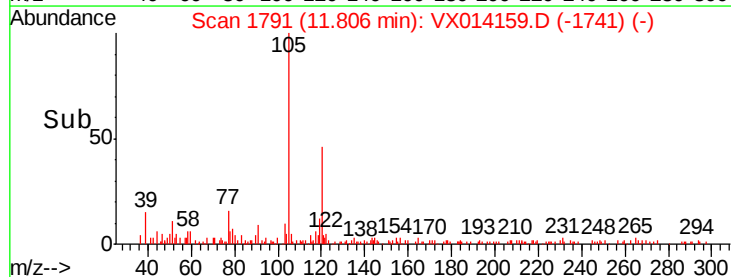
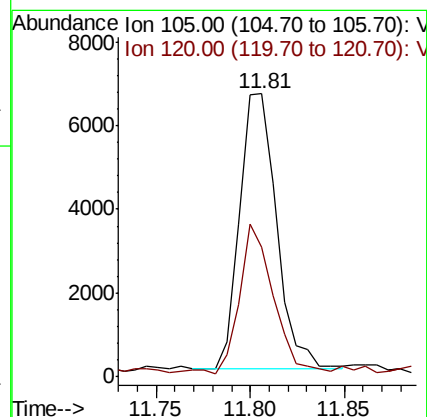
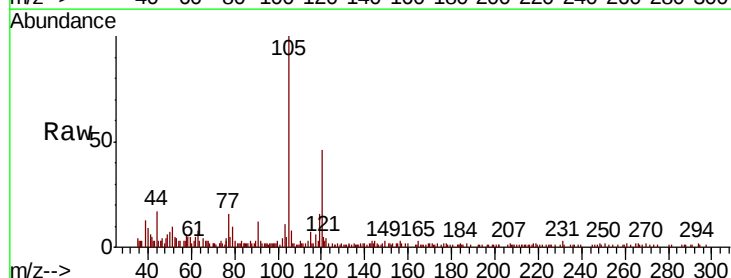
Acq: 20 Dec 2019 07:35

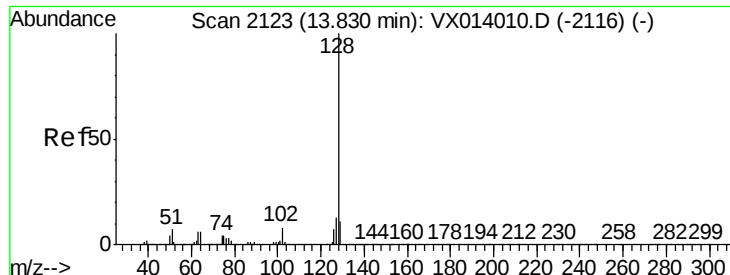
Tgt Ion:105 Resp: 8981

Ion Ratio Lower Upper

105 100

120 47.1 23.1 69.2

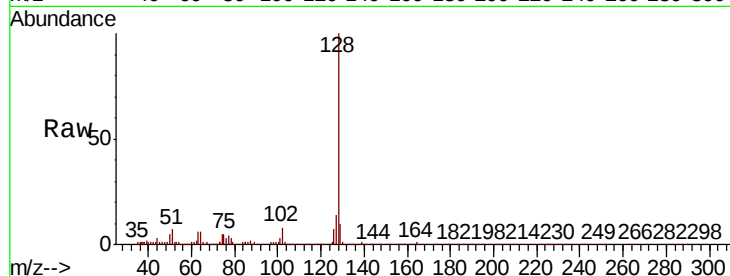




#95
Naphthalene
Concen: 2.814 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014159.D
Acq: 20 Dec 2019 07:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.4	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

