

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018383.D
 Acq On : 14 Sep 2020 14:42
 Operator : JC/SP
 Sample : L3979-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:10:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	425717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	682140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	637038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	323614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	302874	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	5.47	113	232488	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.70	98	830198	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.12	95	308456	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

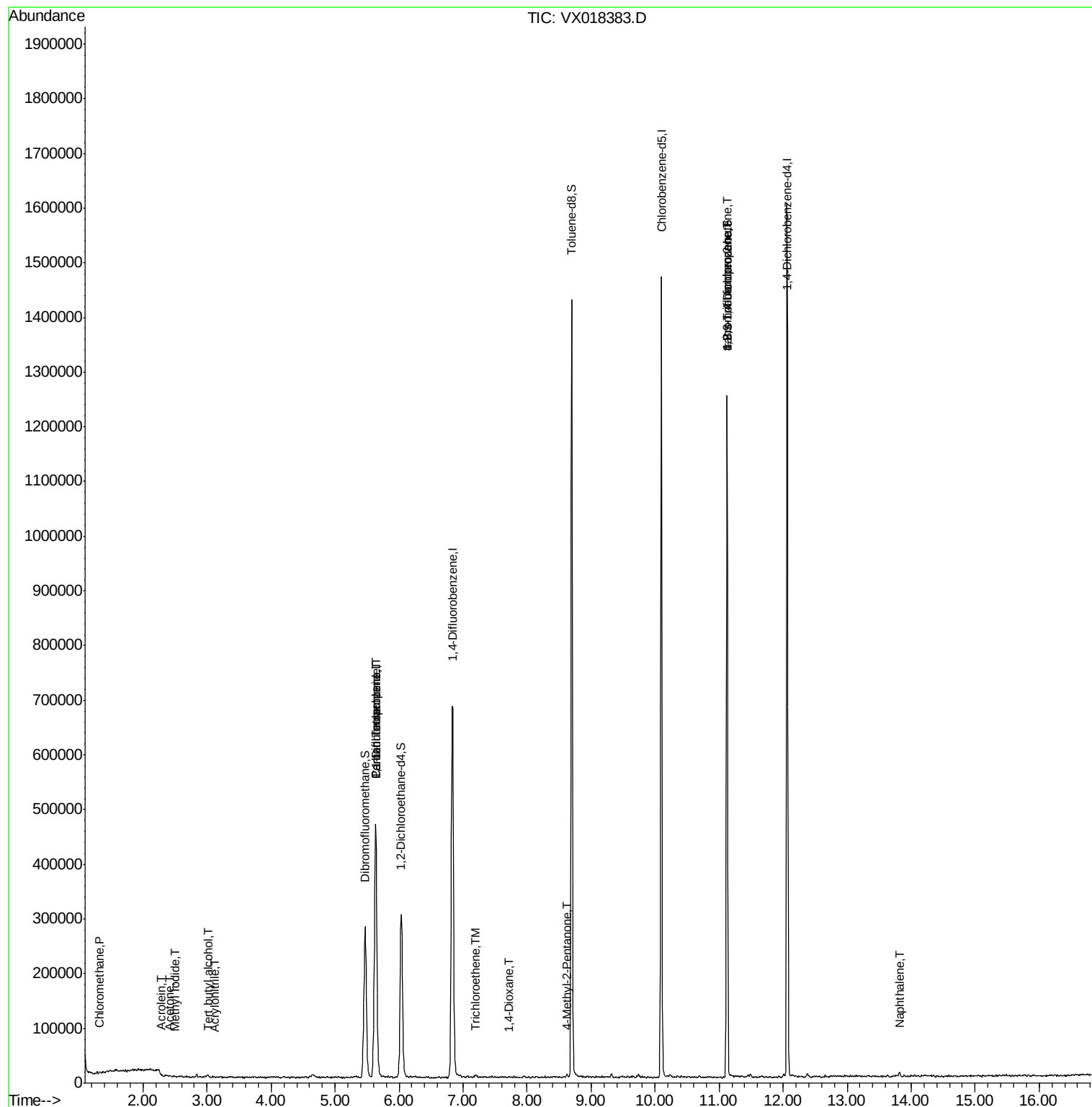
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1124	0.206	ug/l #	83
10) Methyl Iodide	2.50	142	570	5.405	ug/l #	89
11) Tert butyl alcohol	3.01	59	5469	4.759	ug/l #	79
13) Acrolein	2.28	56	132	0.277	ug/l #	1
15) Acrylonitrile	3.12	53	551	0.211	ug/l #	38
16) Acetone	2.42	43	2373	1.030	ug/l #	82
20) Methylene Chloride	2.83	84	2107	Below Cal	#	61
36) 1,1-Dichloropropene	5.63	75	33158	5.270	ug/l #	52
38) Carbon Tetrachloride	5.64	117	45212	6.376	ug/l #	17
44) Trichloroethene	7.19	130	1178	0.226	ug/l	69
49) 1,4-Dioxane	7.71	88	34	0.319	ug/l #	23
51) 4-Methyl-2-Pentanone	8.63	43	4256	0.584	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	161141	22.384	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	161141	60.456	ug/l #	12
95) Naphthalene	13.82	128	4397	0.205	ug/l #	86

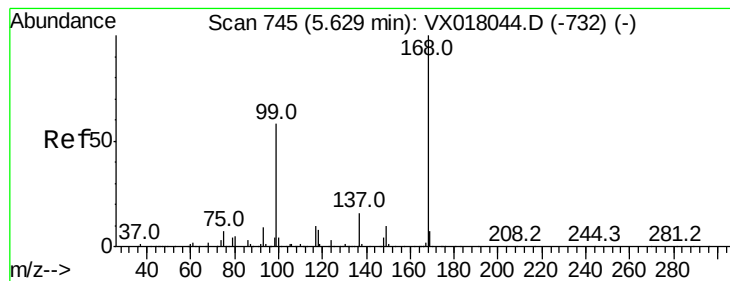
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

Instrument :

MSVOA_X

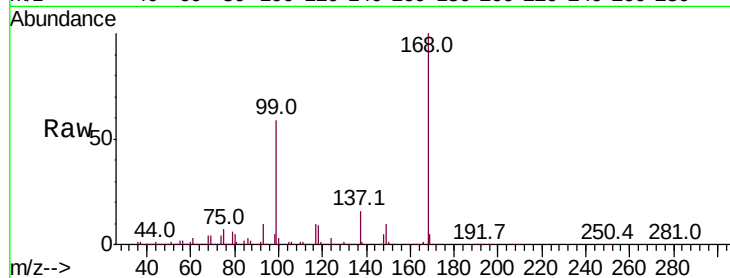
ClientSampleId :

Tot Ion:168 Resp: 425717

Ion Ratio Lower Upper

168 100

99 58.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

100000

50000

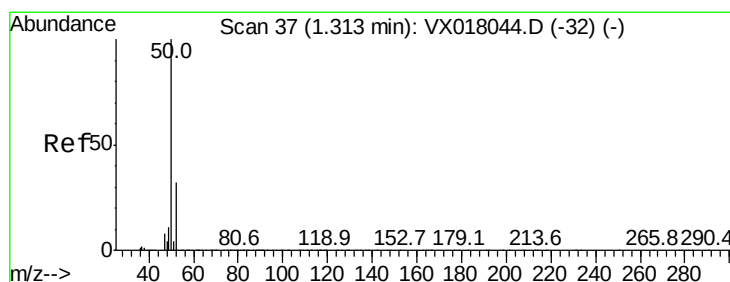
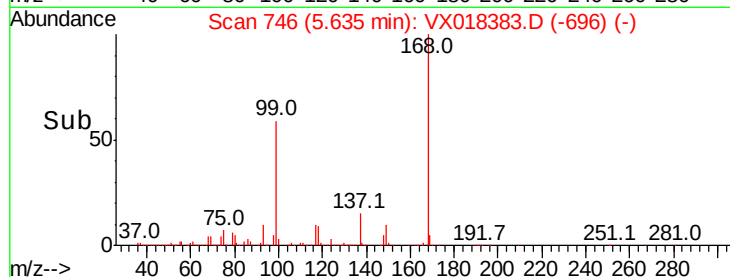
0

Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018383.D

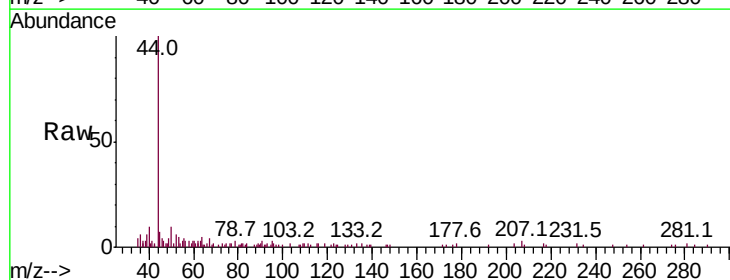
Acq: 14 Sep 2020 14:42

Tgt Ion: 50 Resp: 1124

Ion Ratio Lower Upper

50 100

52 22.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

400

200

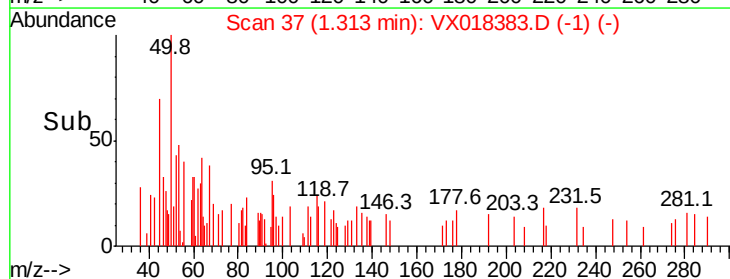
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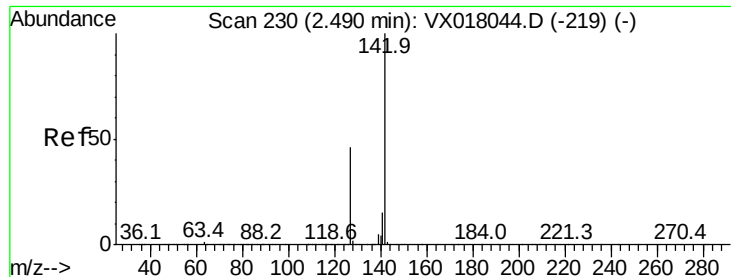
Time-->

1.25

1.30

1.35

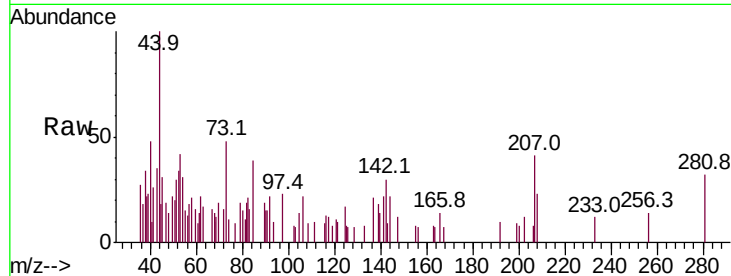




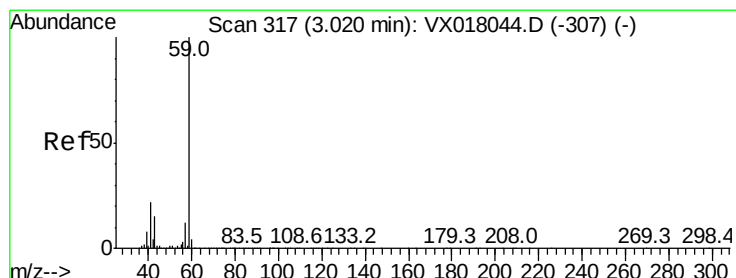
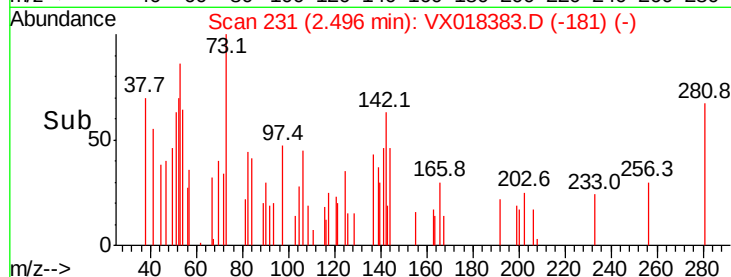
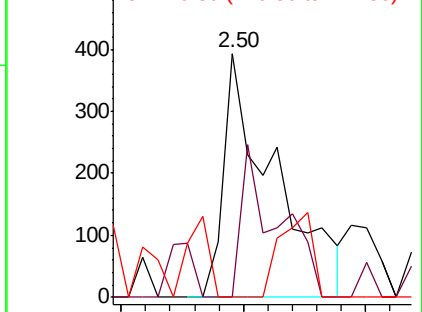
#10
Methvl Iodide
Concen: 5.405 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 570
Ion Ratio Lower Upper
142 100
127 44.0 37.0 55.6
141 0.0 11.5 17.3#

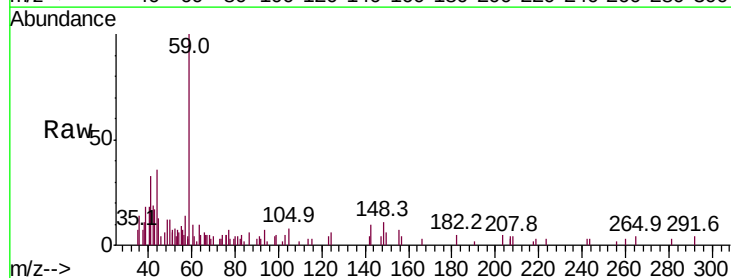


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

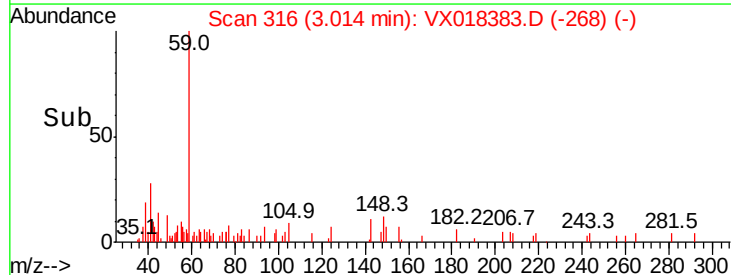
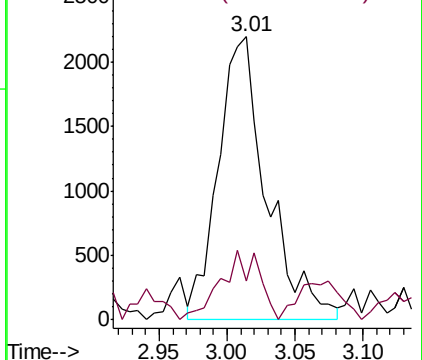


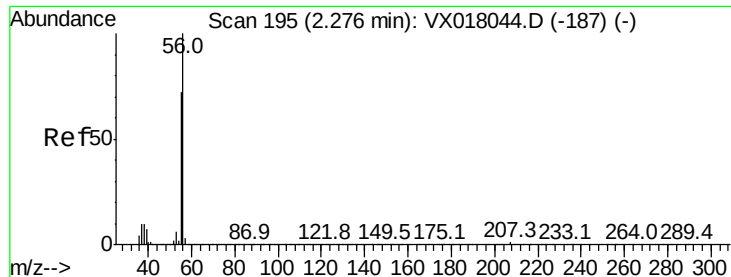
#11
Tert butyl alcohol
Concen: 4.759 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Tgt Ion: 59 Resp: 5469
Ion Ratio Lower Upper
59 100
57 19.1 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

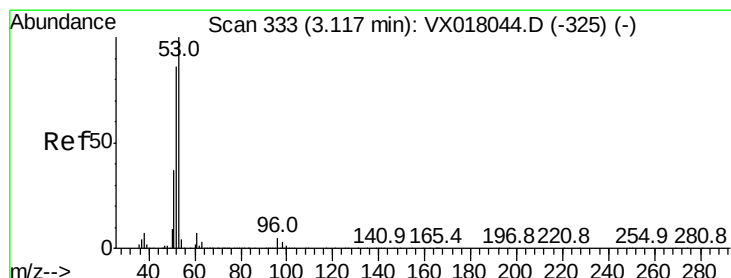
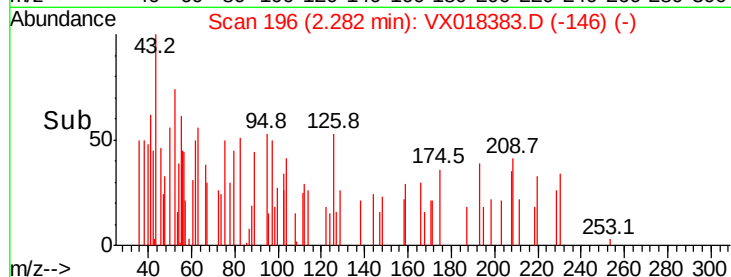
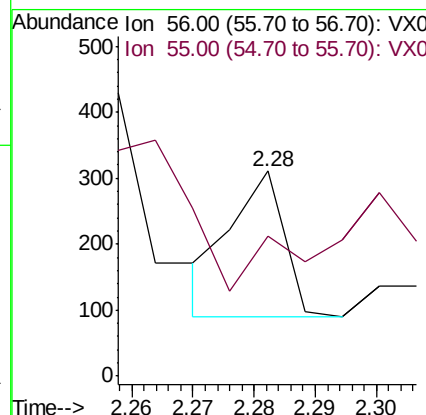
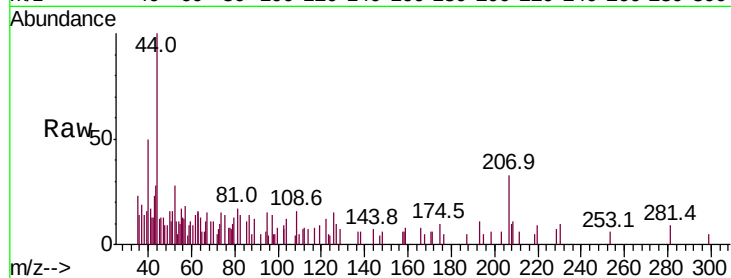




#13
Acrolein
Concen: 0.277 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

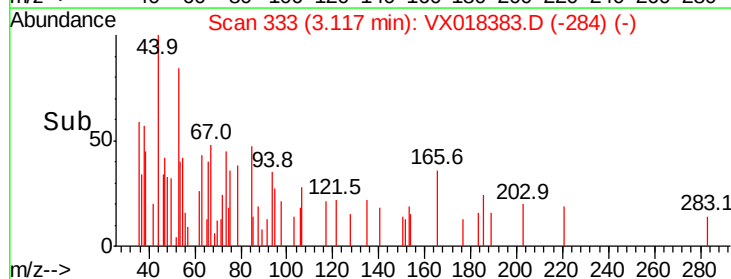
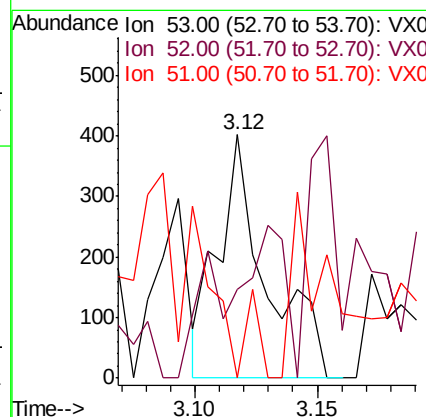
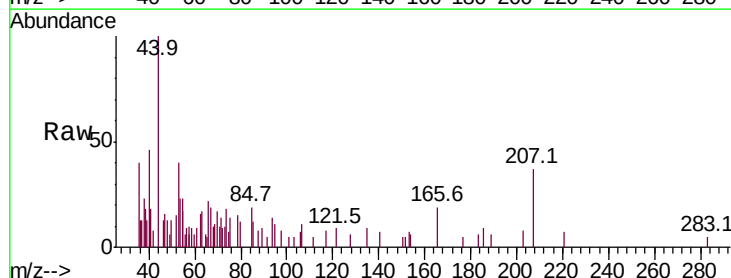
Instrument :
MSVOA_X
ClientSampled :

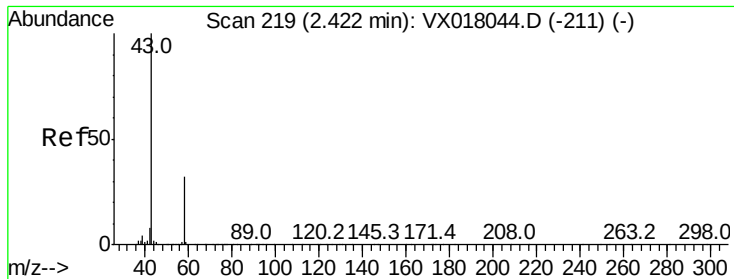
Tot Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 231.8 57.0 85.6#



#15
Acrylonitrile
Concen: 0.211 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Tgt Ion: 53 Resp: 551
Ion Ratio Lower Upper
53 100
52 27.4 66.9 100.3#
51 0.0 28.7 43.1#

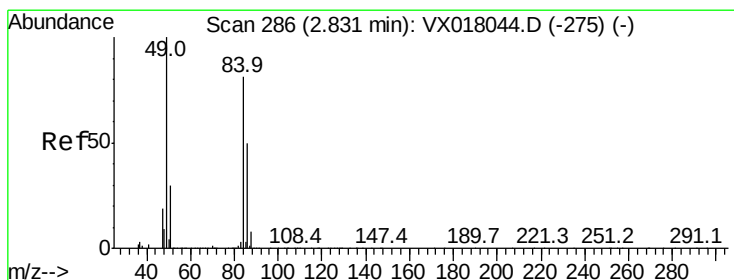
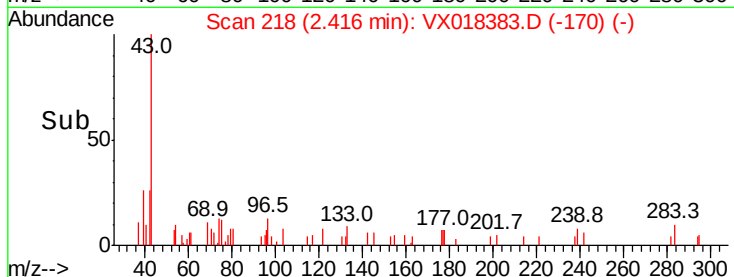
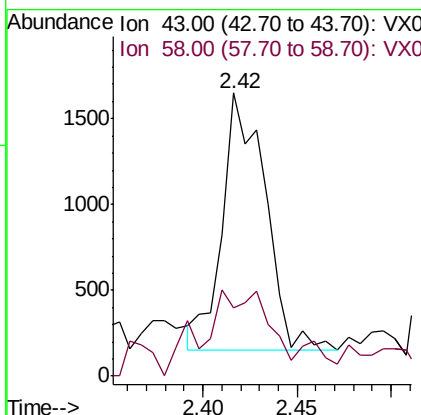
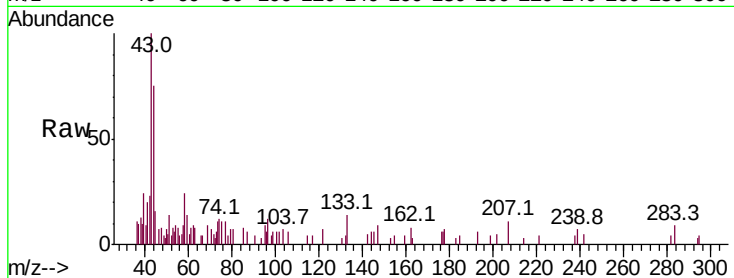




#16
Acetone
Concen: 1.030 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

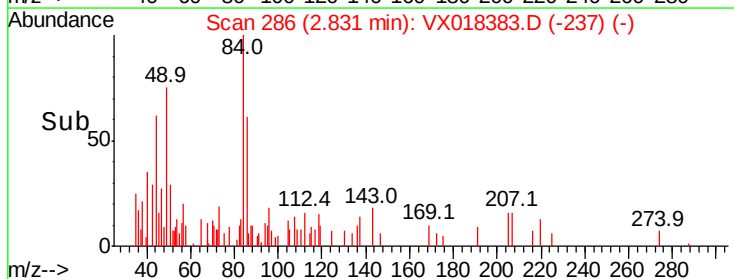
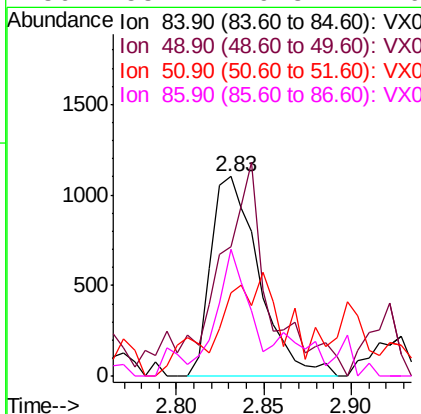
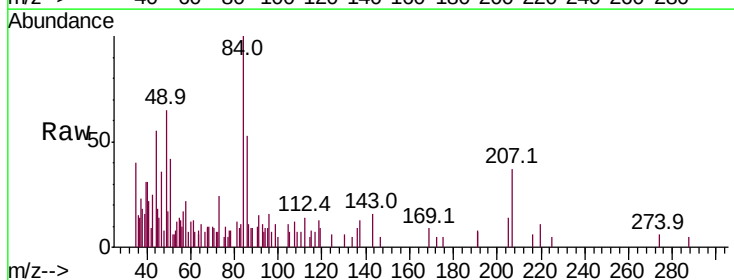
Instrument :
MSVOA_X
ClientSampled :

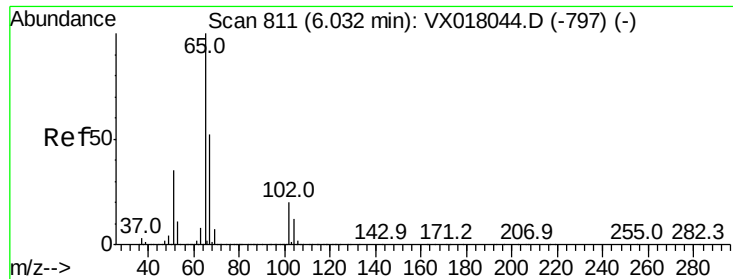
Tot Ion: 43 Resp: 2373
Ion Ratio Lower Upper
43 100
58 21.7 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Tgt Ion: 84 Resp: 2107
Ion Ratio Lower Upper
84 100
49 55.5 98.6 148.0#
51 22.4 29.6 44.4#
86 58.4 49.8 74.6

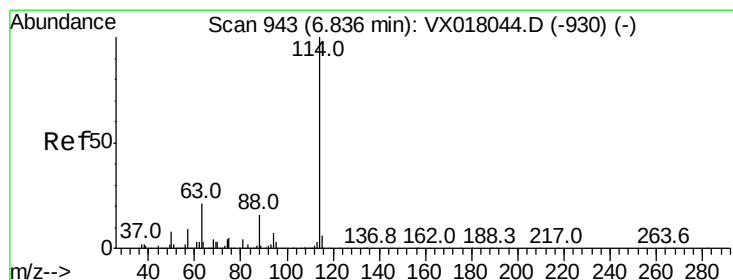
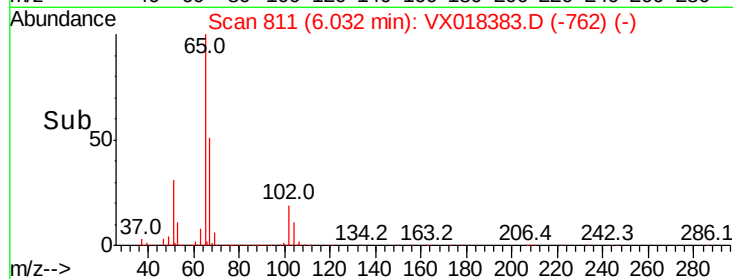
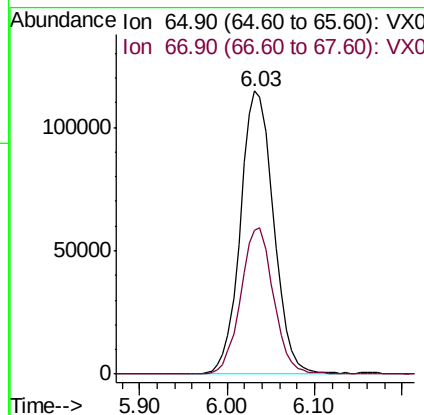
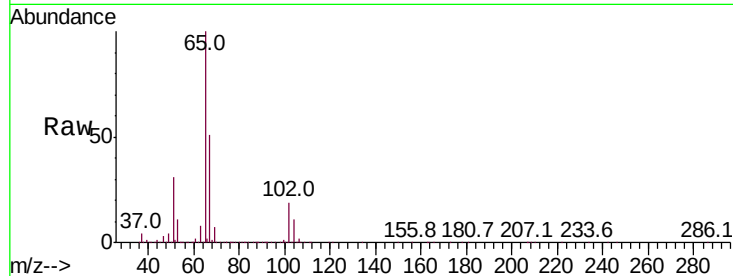




#33
 1,2-Dichloroethane-d4
 Concen: 51.247 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018383.D
 Acq: 14 Sep 2020 14:42

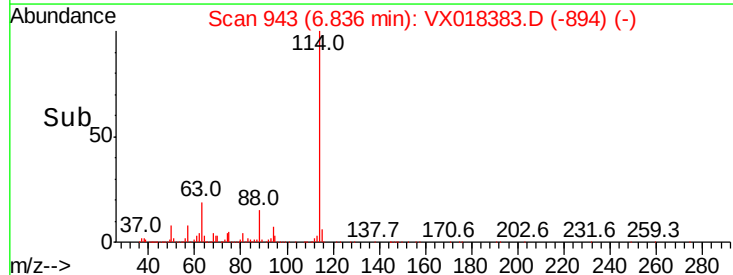
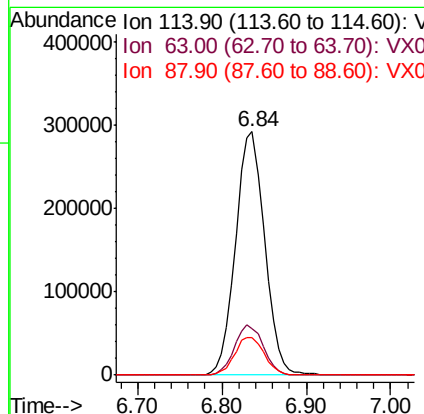
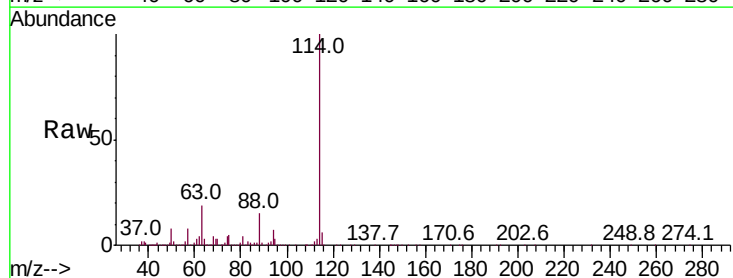
Instrument :
 MSVOA_X
 ClientSampled :

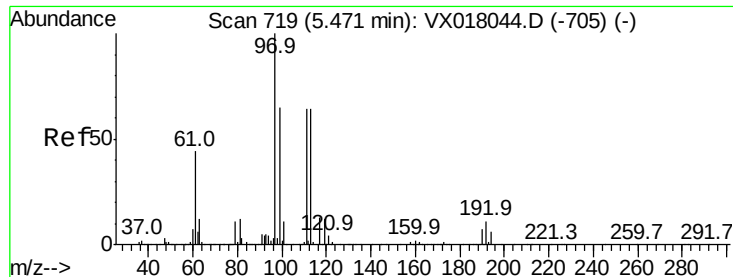
Tot Ion: 65 Resp: 302874
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018383.D
 Acq: 14 Sep 2020 14:42

Tgt Ion: 114 Resp: 682140
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.044 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

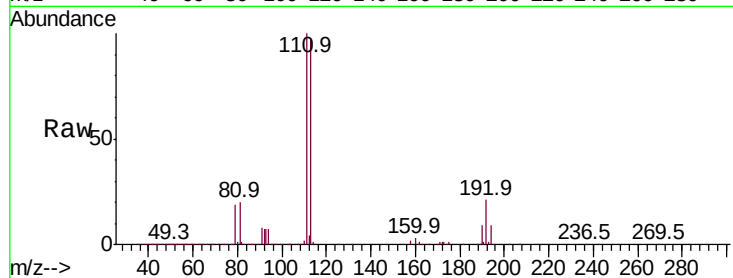
Tot Ion:113 Resp: 232488

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

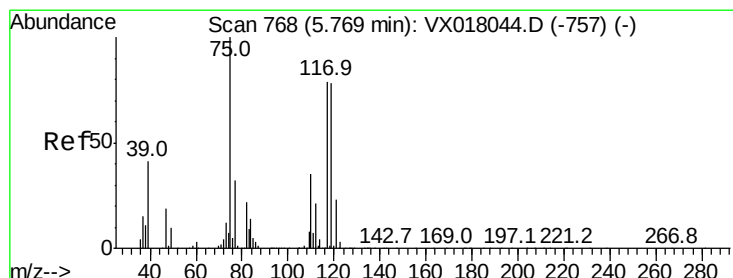
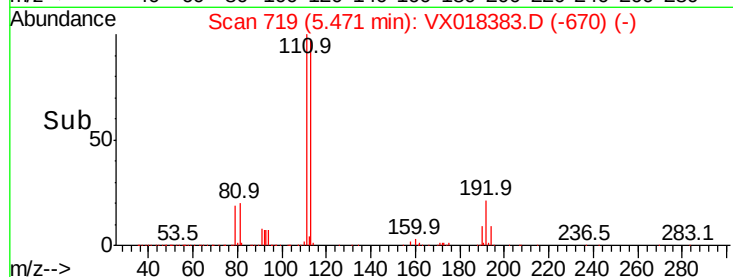
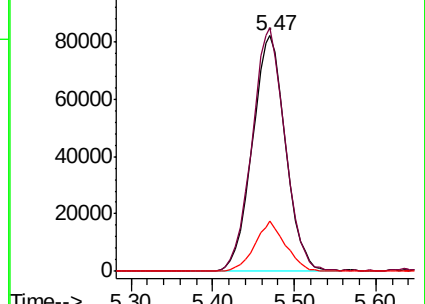
192 19.7 15.8 23.8



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: 5.270 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

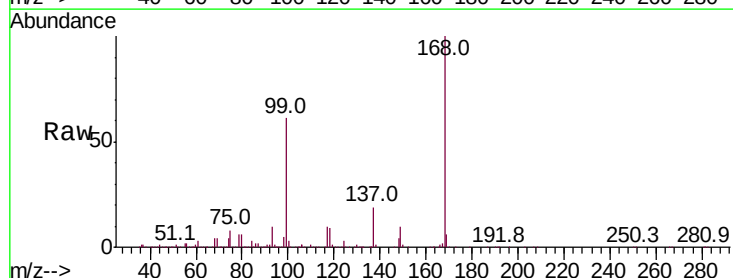
Tgt Ion: 75 Resp: 33158

Ion Ratio Lower Upper

75 100

110 10.9 18.0 54.0#

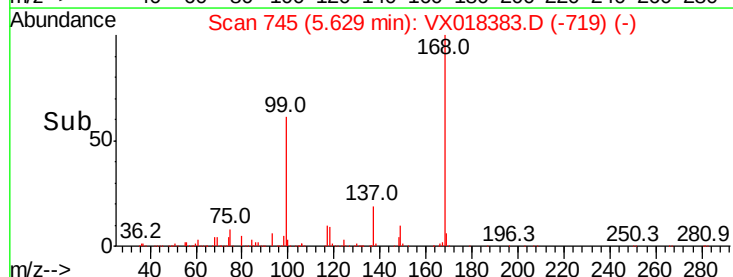
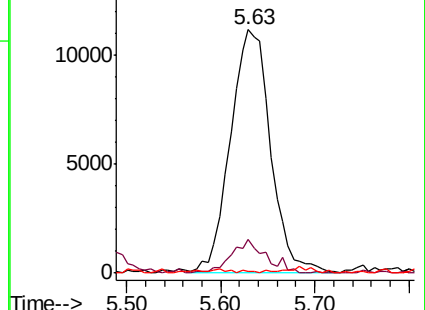
77 0.4 24.4 36.6#

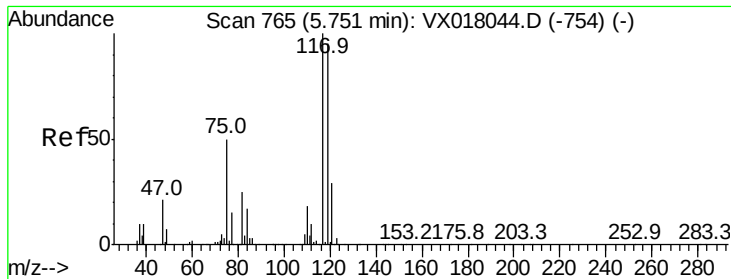


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

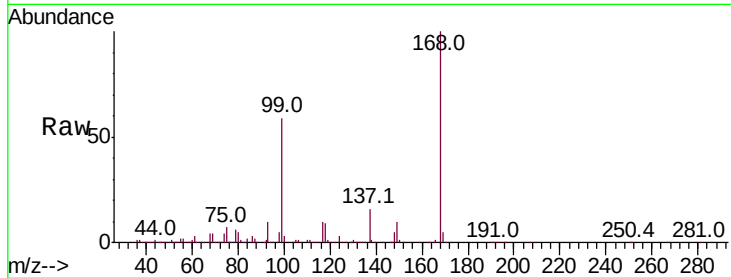
Tot Ion:117 Resp: 45212

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

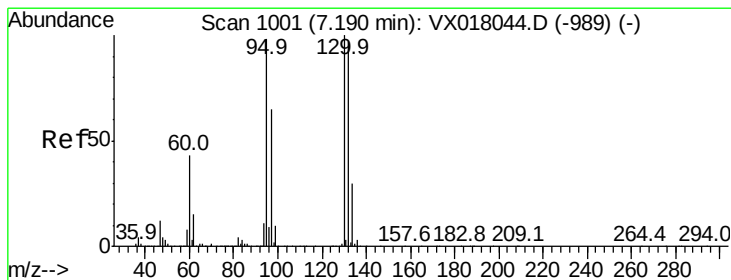
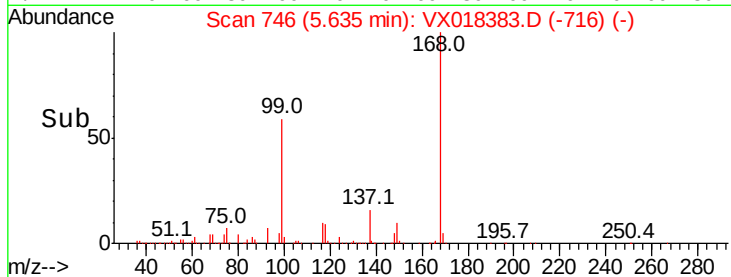
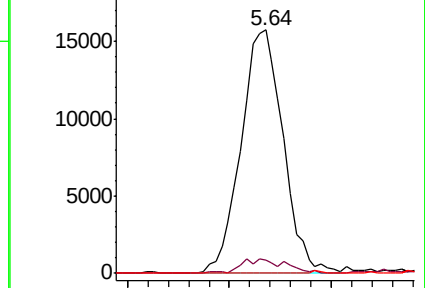
121 0.0 23.4 35.0#



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: 0.226 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018383.D

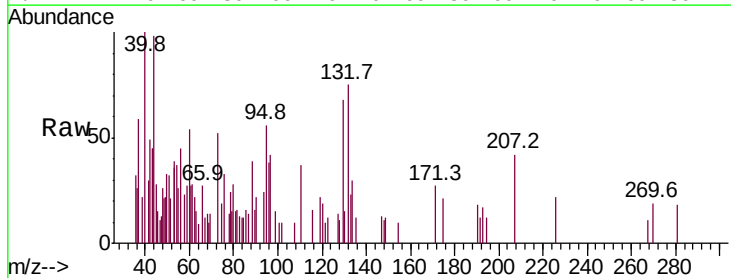
Acq: 14 Sep 2020 14:42

Tgt Ion:130 Resp: 1178

Ion Ratio Lower Upper

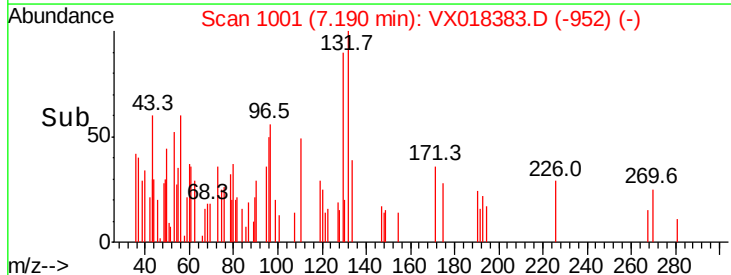
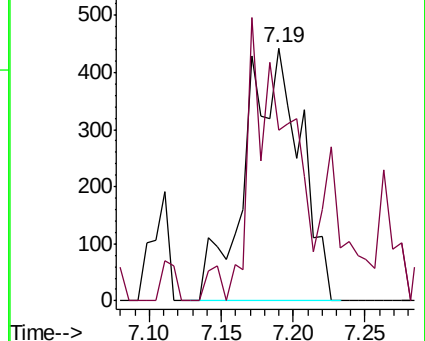
130 100

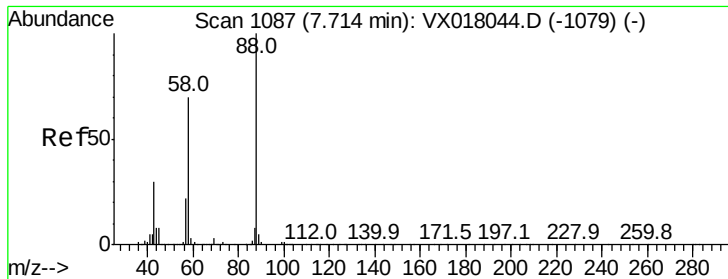
95 67.7 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

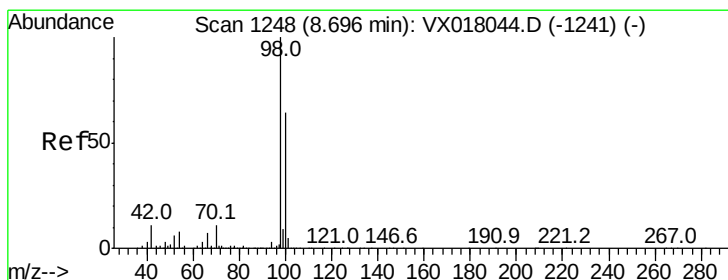
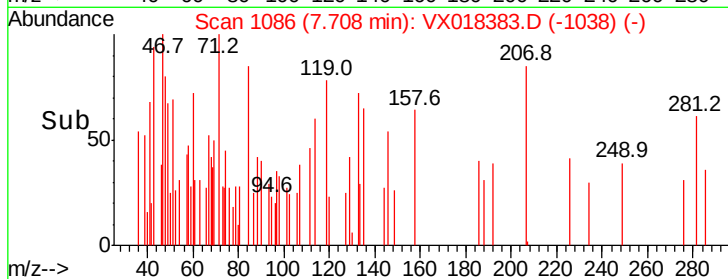
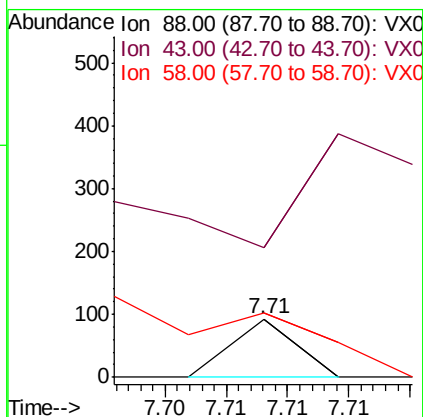
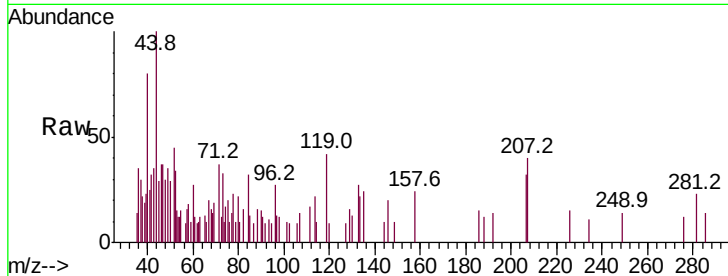




#49
1,4-Dioxane
Concen: 0.319 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

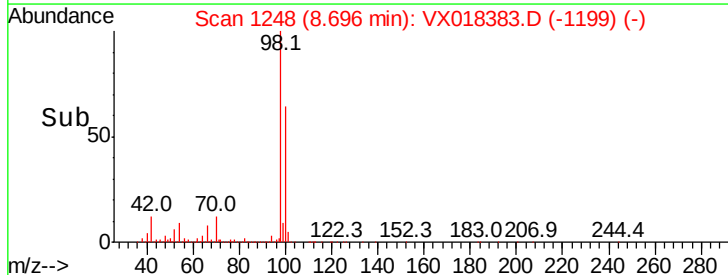
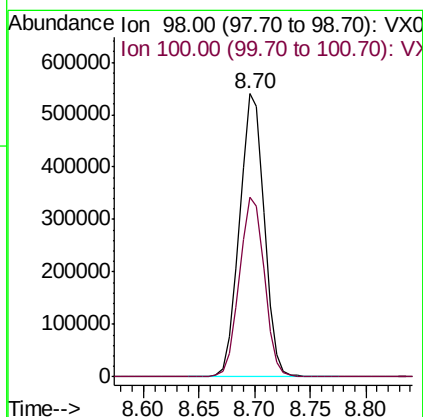
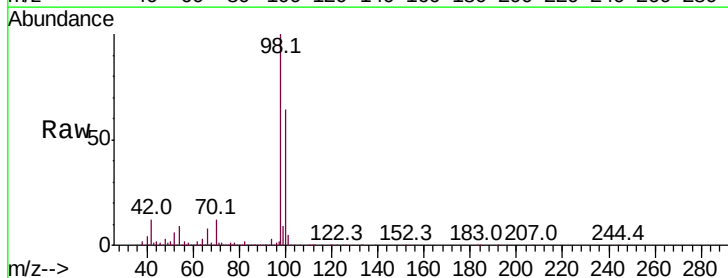
Instrument :
MSVOA_X
ClientSampleId :

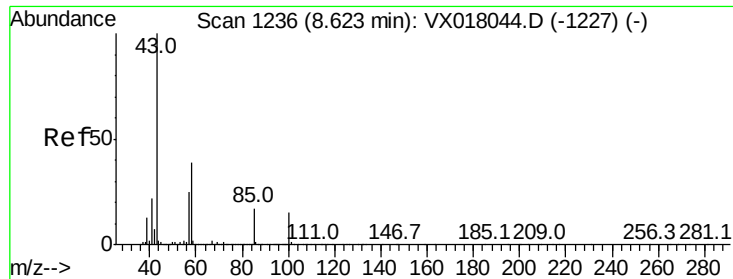
Tot Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 47.979 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Tgt Ion: 98 Resp: 830198
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.584 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

Instrument :

MSVOA_X

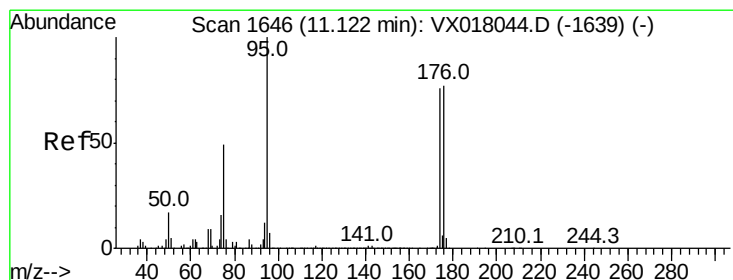
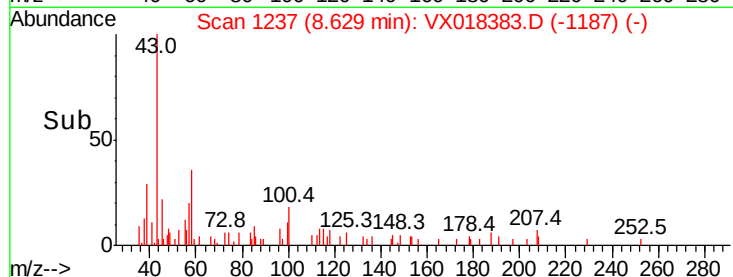
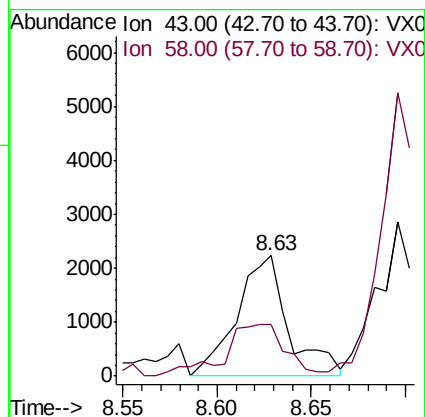
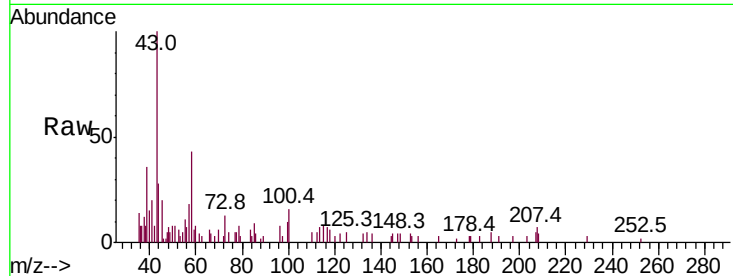
ClientSampled :

Tot Ion: 43 Resp: 4256

Ion Ratio Lower Upper

43 100

58 51.9 30.7 46.1#



#62

4-Bromofluorobenzene

Concen: 45.309 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

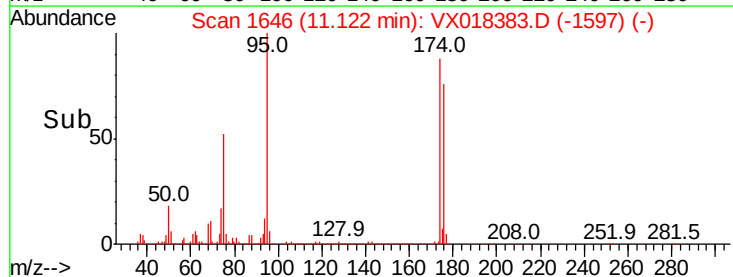
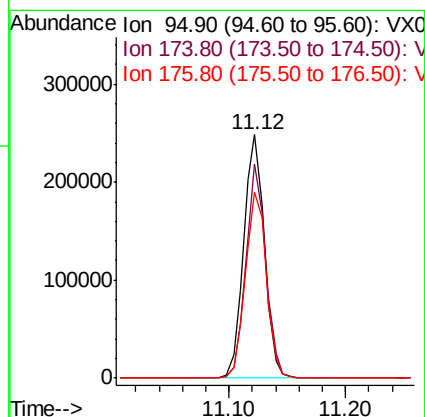
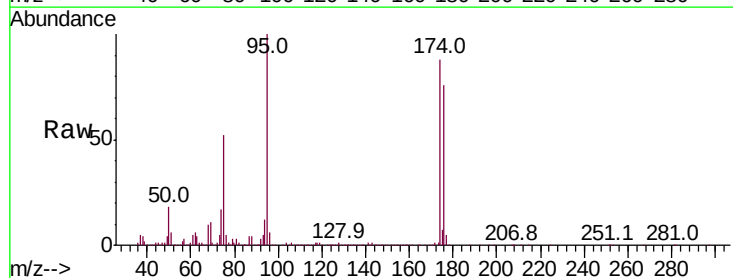
Tgt Ion: 95 Resp: 308456

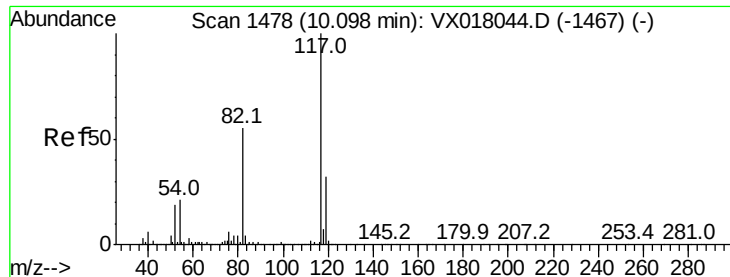
Ion Ratio Lower Upper

95 100

174 84.8 0.0 160.2

176 77.8 0.0 155.8

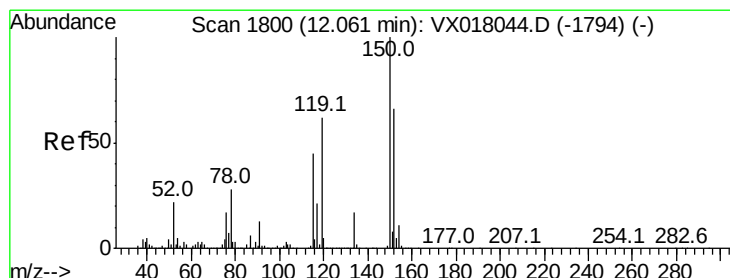
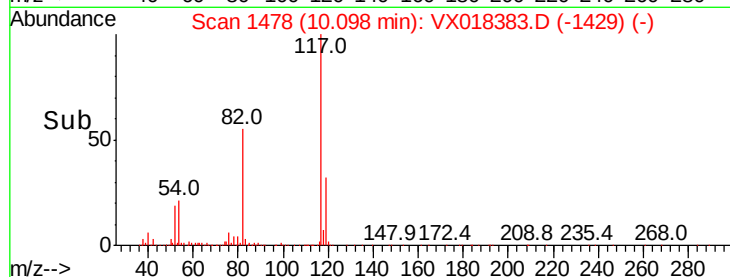
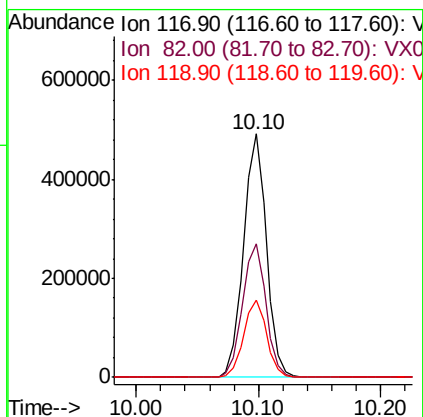
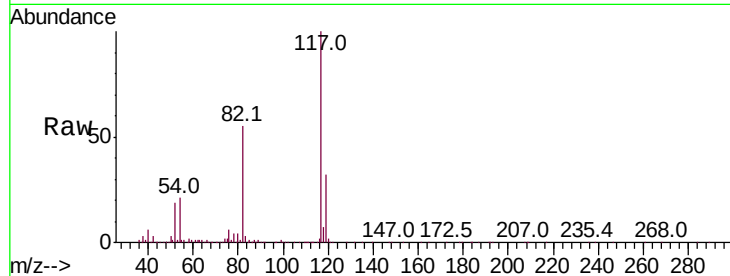




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

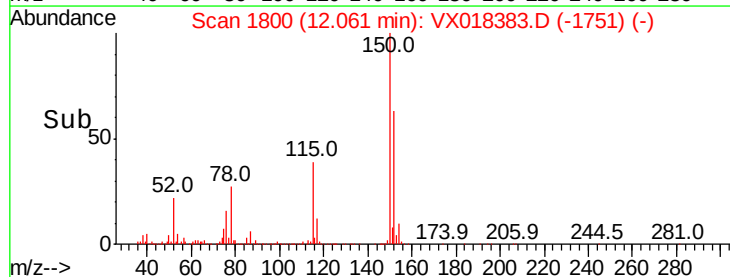
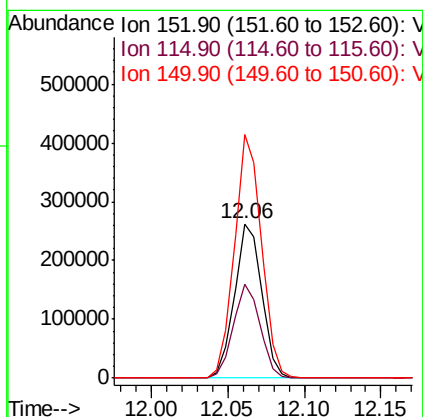
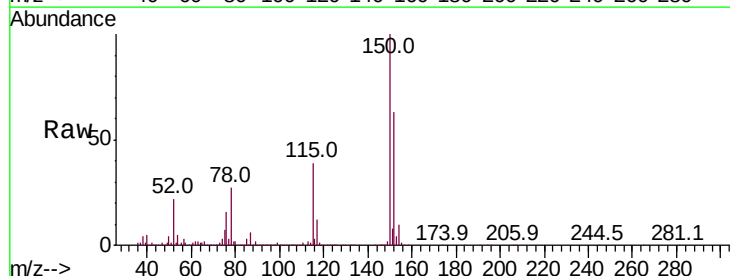
Instrument :
MSVOA_X
ClientSampleId :

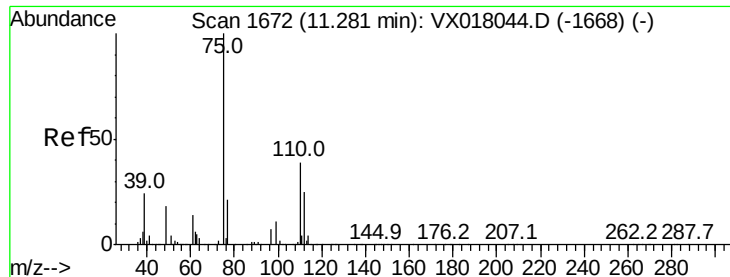
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.2	66.2
119	31.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.5	124.5
150	156.6	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.384 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

Instrument :

MSVOA_X

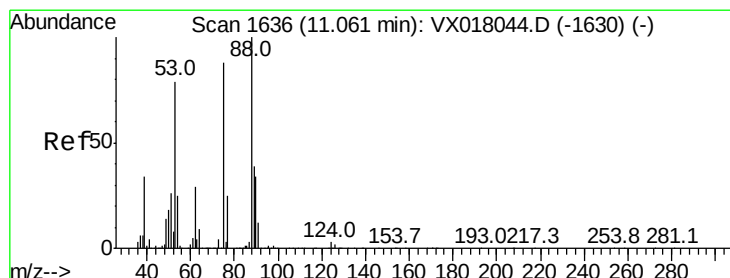
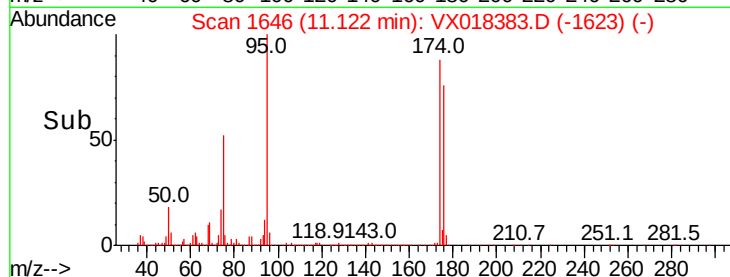
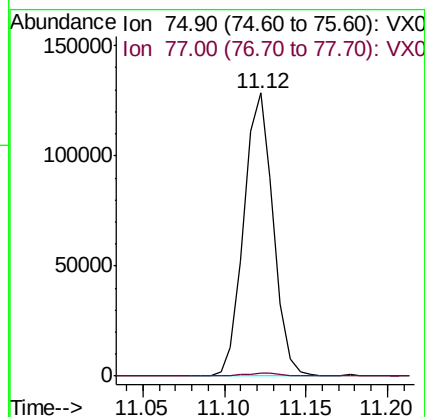
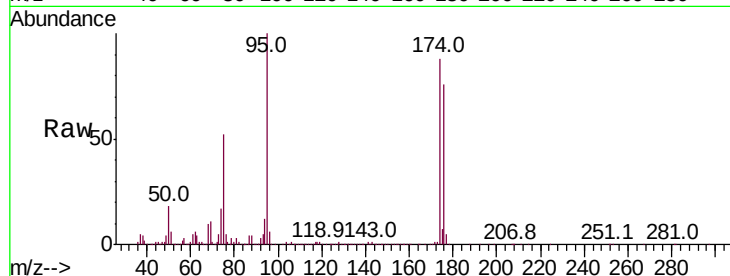
ClientSampleId :

Tot Ion: 75 Resp: 161141

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.456 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018383.D

Acq: 14 Sep 2020 14:42

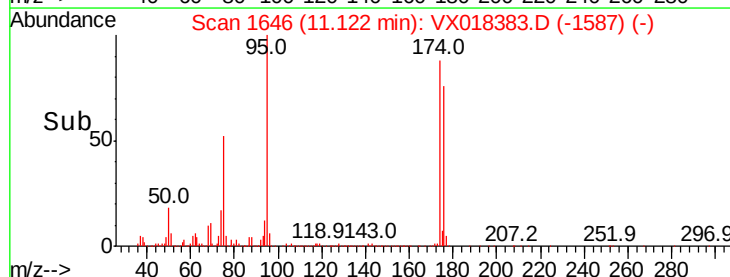
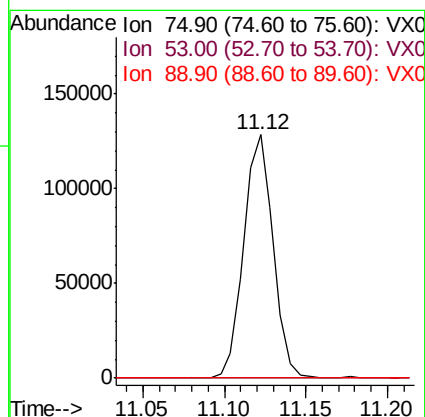
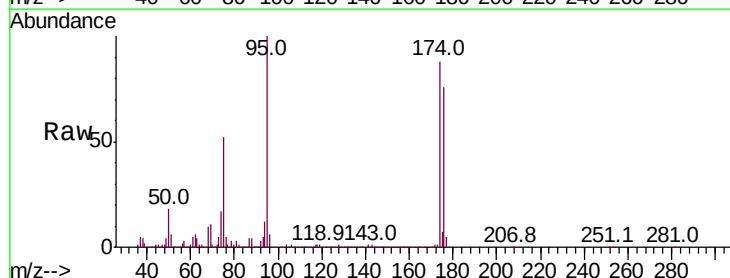
Tgt Ion: 75 Resp: 161141

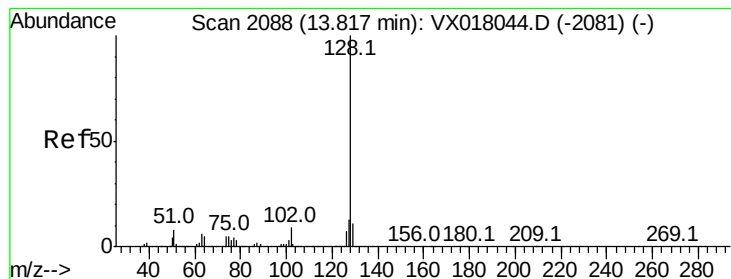
Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#





#95
Naphthalene
Concen: 0.205 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018383.D
Acq: 14 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 4397
Ion Ratio Lower Upper
128 100
127 21.5 10.2 15.2#
129 12.4 8.7 13.1

