

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018386.D
 Acq On : 14 Sep 2020 16:13
 Operator : JC/SP
 Sample : L3980-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:11:31 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	5.63	168	468037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	725009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	717492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	373844	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	326419	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	5.46	113	254346	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	8.70	98	899600	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.12	95	352938	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

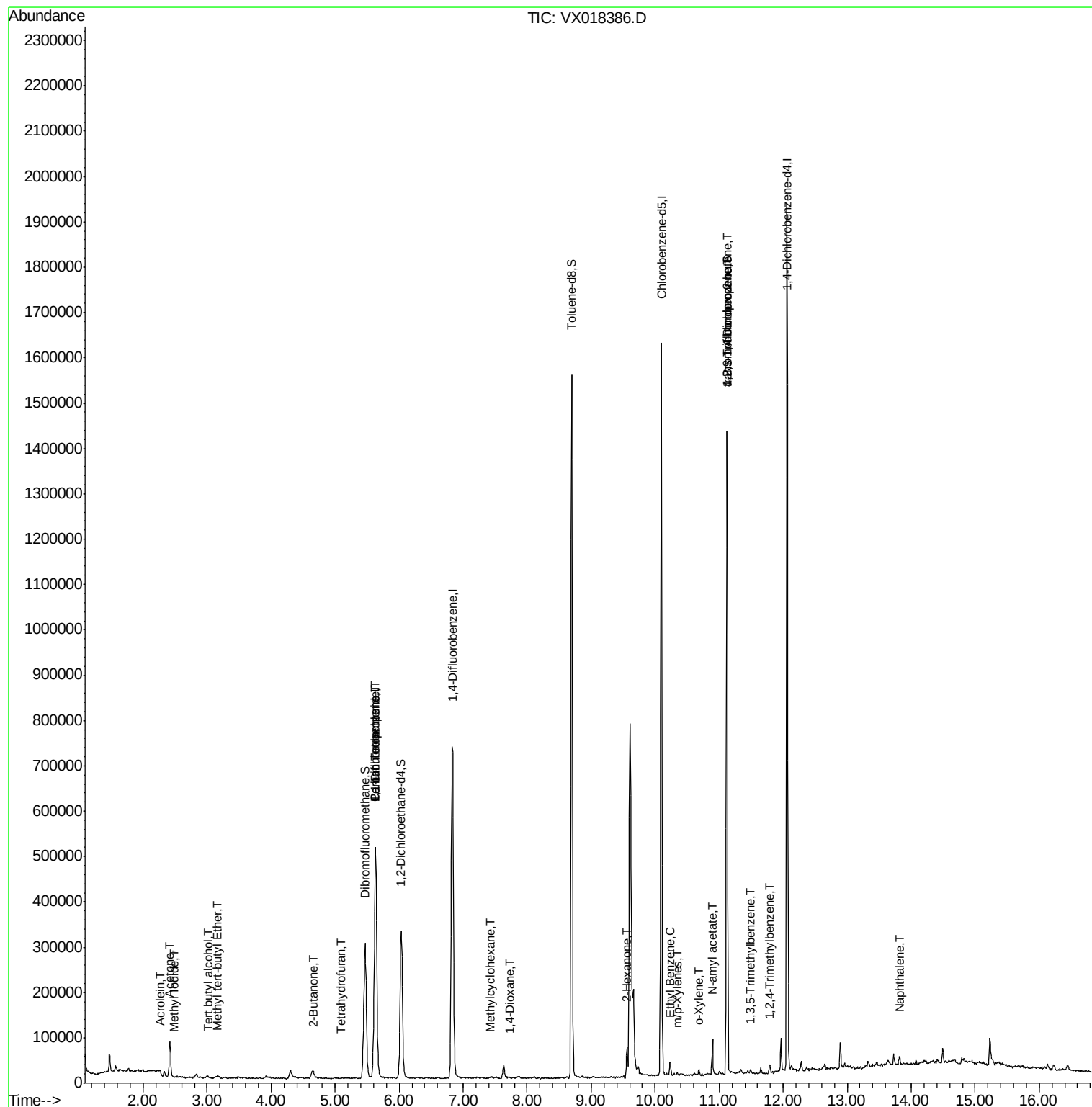
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	517	5.385	ug/l #	42
11) Tert butyl alcohol	3.01	59	4106	3.250	ug/l	96
13) Acrolein	2.27	56	264	0.504	ug/l #	1
16) Acetone	2.42	43	83344	32.918	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	6855	0.437	ug/l #	90
20) Methylene Chloride	2.84	84	4519	Below Cal	#	63
25) 2-Butanone	4.66	43	5030	1.209	ug/l #	66
29) Tetrahydrofuran	5.09	42	669	0.253	ug/l #	46
36) 1,1-Dichloropropene	5.64	75	37042	5.539	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47203	6.264	ug/l #	18
39) Methylcyclohexane	7.43	83	1696	0.232	ug/l #	50
49) 1,4-Dioxane	7.73	88	470	4.155	ug/l #	25
59) 2-Hexanone	9.56	43	8966	1.522	ug/l #	49
67) Ethyl Benzene	10.23	91	16389	0.673	ug/l #	85
68) m/p-Xylenes	10.35	106	1866	0.205	ug/l	82
69) o-Xylene	10.68	106	2508	0.284	ug/l	99
74) N-amyl acetate	10.89	43	9543	0.816	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	185870	22.350	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	4065	0.201	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.12	75	185870	60.364	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	8846	0.427	ug/l	88
95) Naphthalene	13.82	128	10915	0.442	ug/l #	90

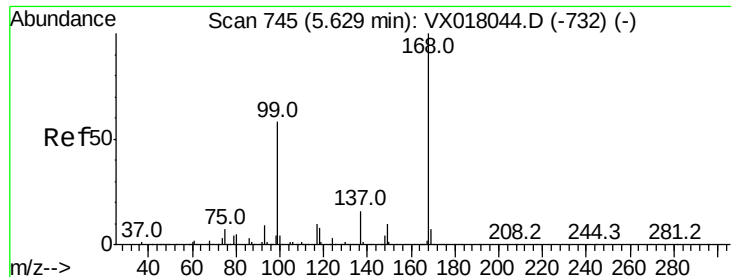
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

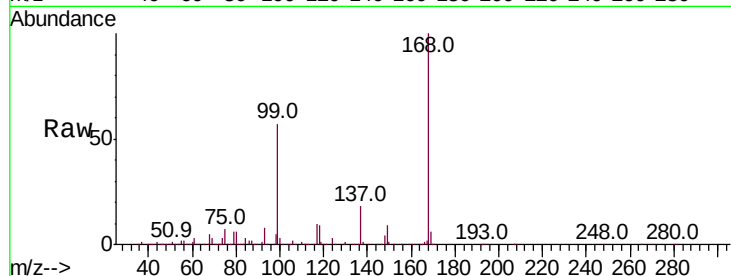
ClientSampleId :

Tot Ion:168 Resp: 468037

Ion Ratio Lower Upper

168 100

99 56.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

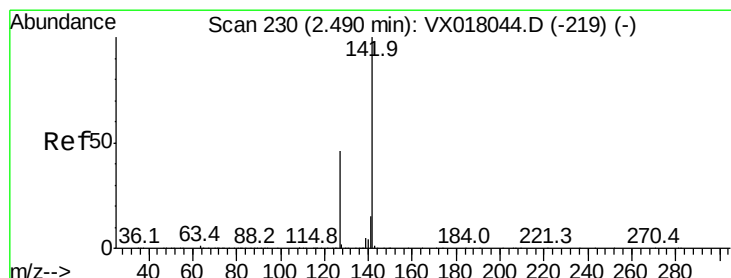
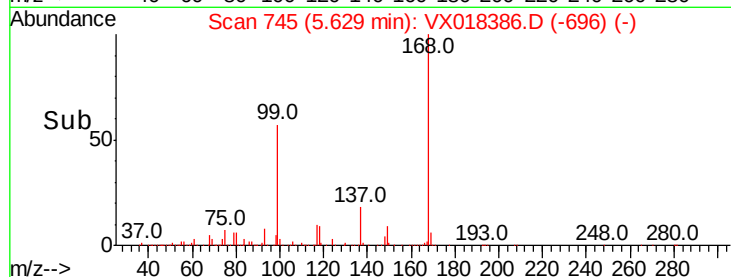
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.385 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

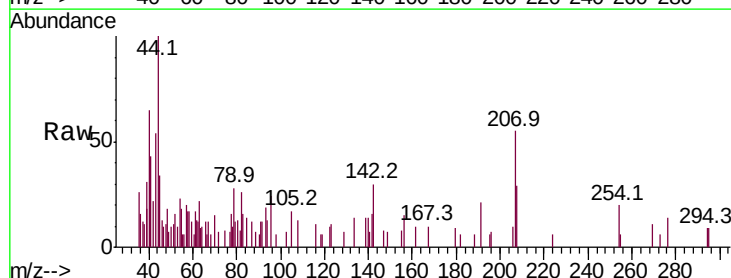
Tgt Ion:142 Resp: 517

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 21.9 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

2.48

400

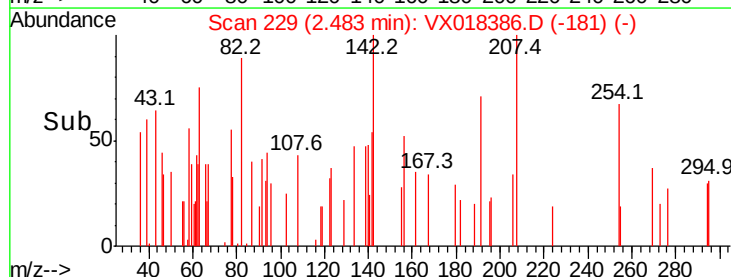
300

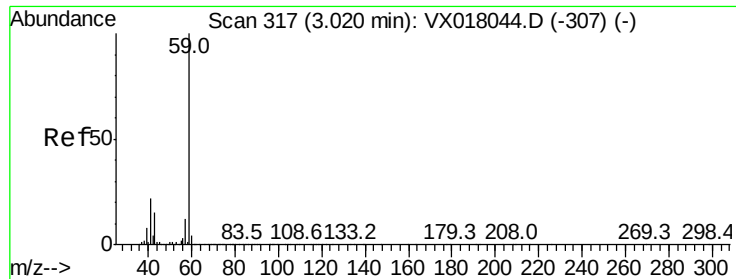
200

100

0

Time-->



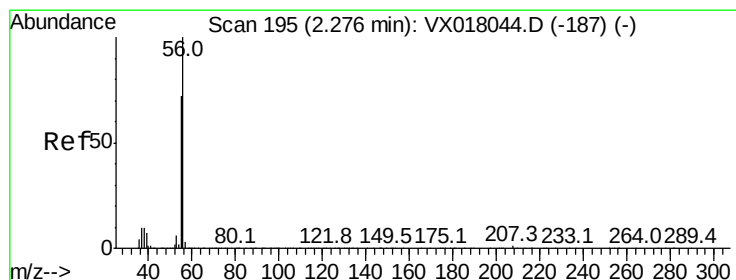
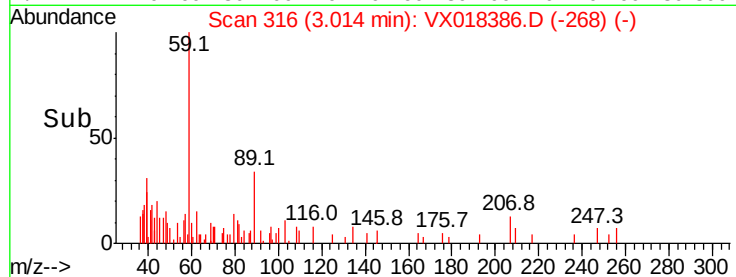
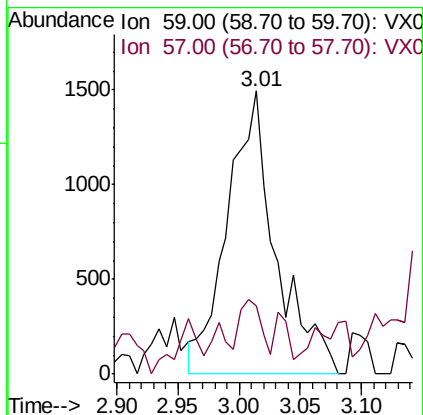
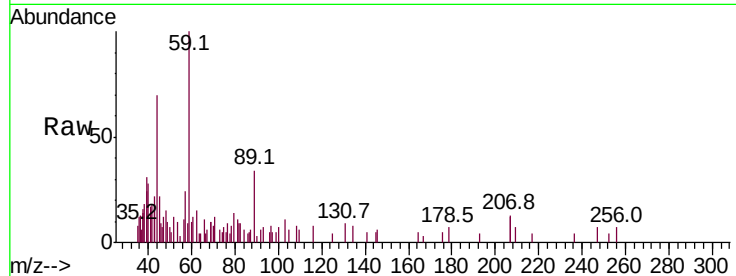


#11

Tert butyl alcohol
Concen: 3.250 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :

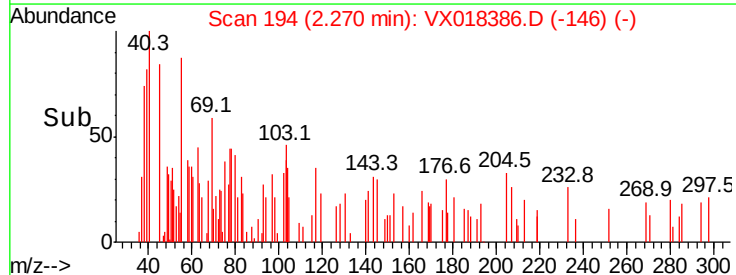
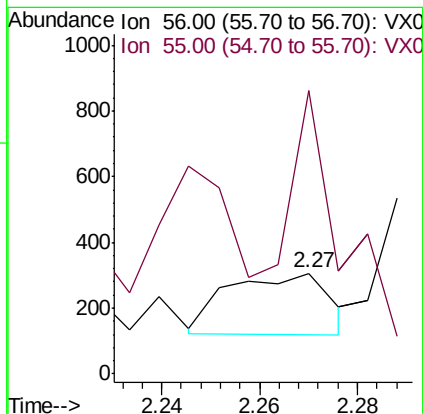
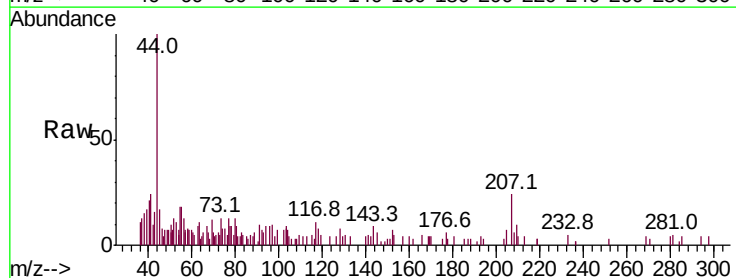
Tot Ion: 59 Resp: 4106
Ion Ratio Lower Upper
59 100
57 9.5 8.9 13.3

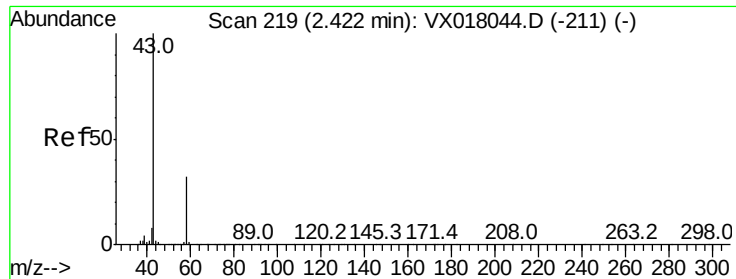


#13

Acrolein
Concen: 0.504 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 247.3 57.0 85.6#

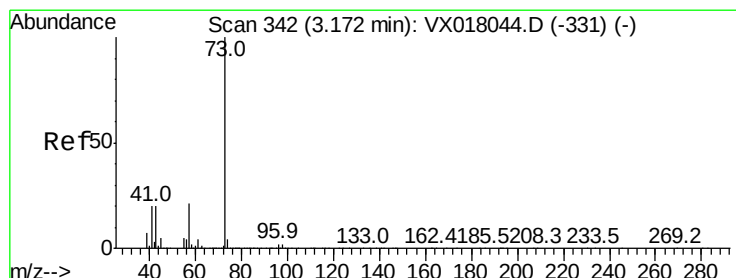
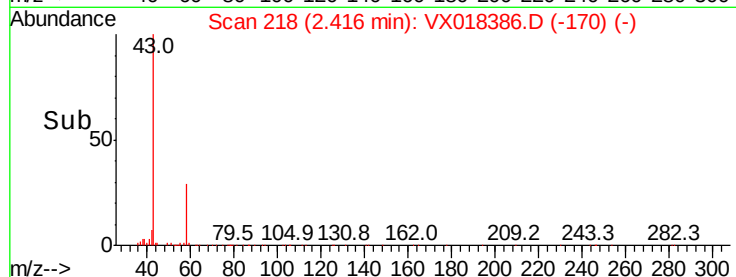
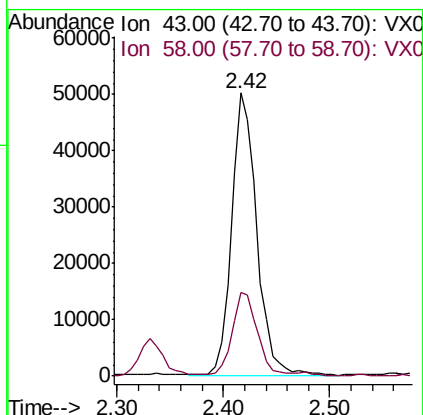
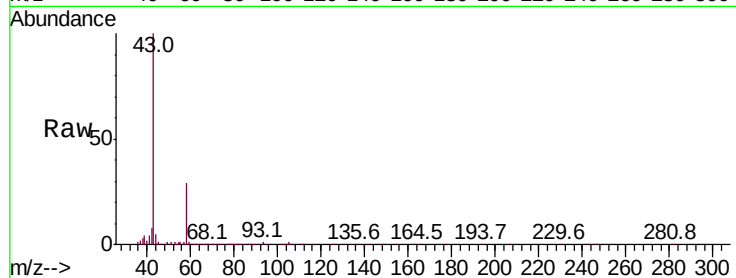




#16
Acetone
Concen: 32.918 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

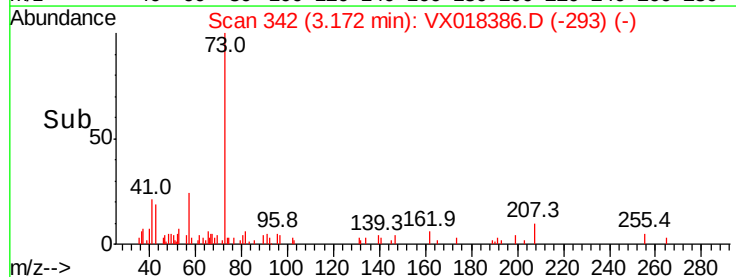
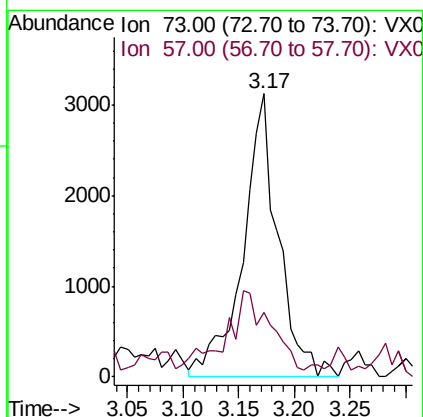
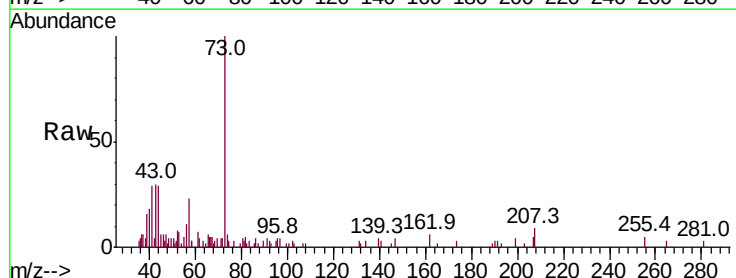
Instrument :
MSVOA_X
ClientSampled :

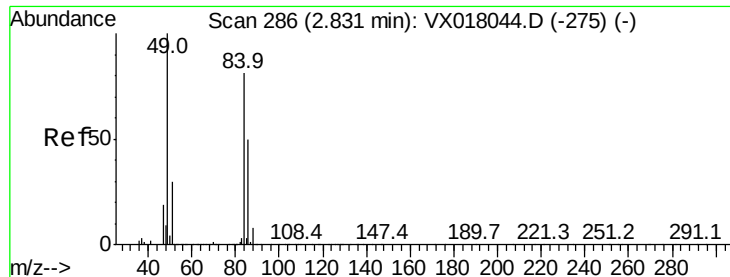
Tot Ion: 43 Resp: 83344
Ion Ratio Lower Upper
43 100
58 29.1 25.5 38.3



#19
Methyl tert-butyl Ether
Concen: 0.437 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 73 Resp: 6855
Ion Ratio Lower Upper
73 100
57 16.3 16.8 25.2#

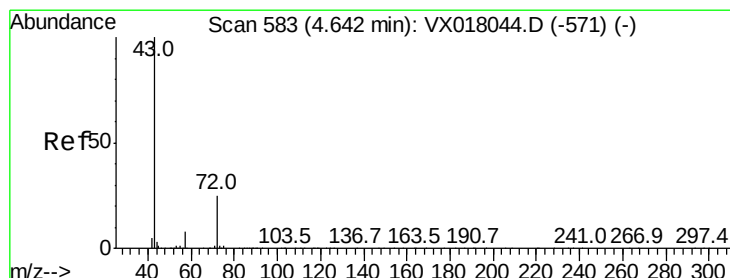
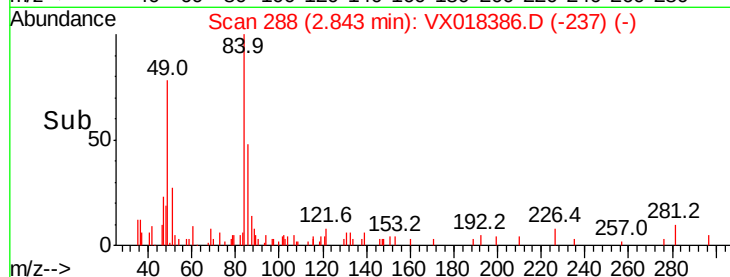
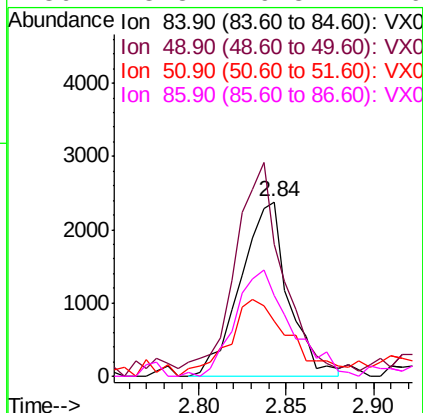
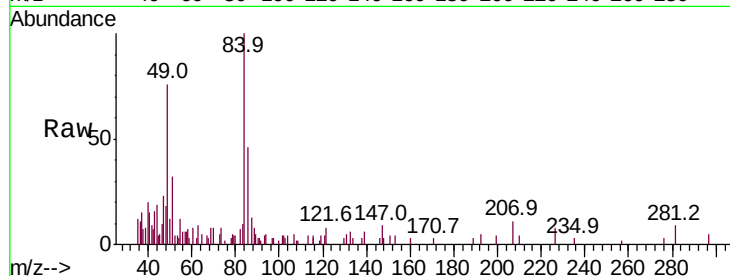




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

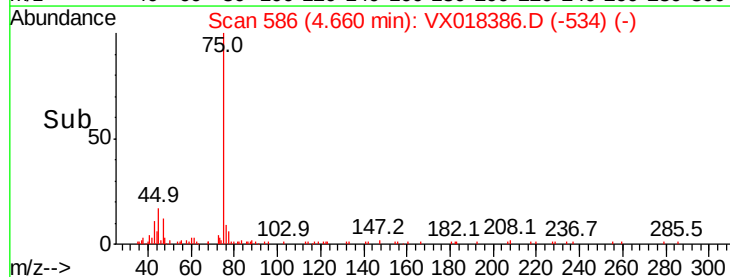
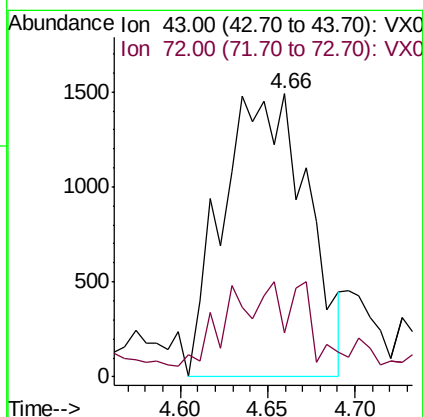
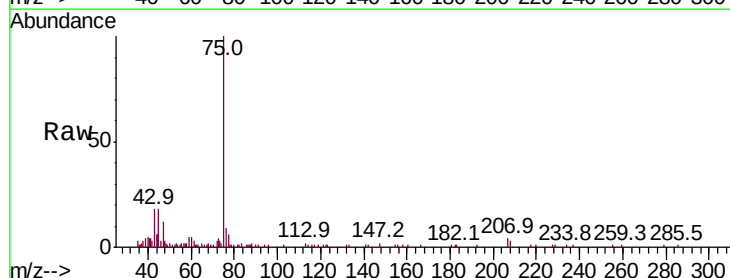
Instrument :
MSVOA_X
ClientSampleId :

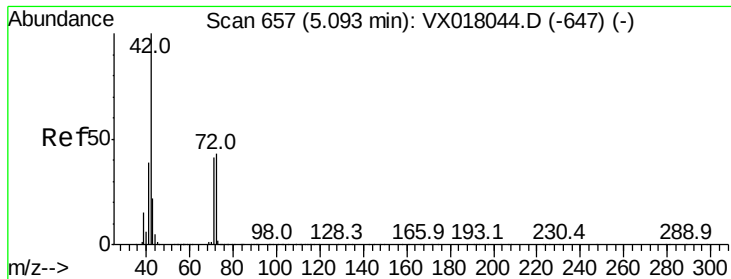
Tot Ion: 84 Resp: 4519
Ion Ratio Lower Upper
84 100
49 67.5 98.6 148.0#
51 27.9 29.6 44.4#
86 43.8 49.8 74.6#



#25
2-Butanone
Concen: 1.209 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 43 Resp: 5030
Ion Ratio Lower Upper
43 100
72 7.7 19.8 29.6#





#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampled :

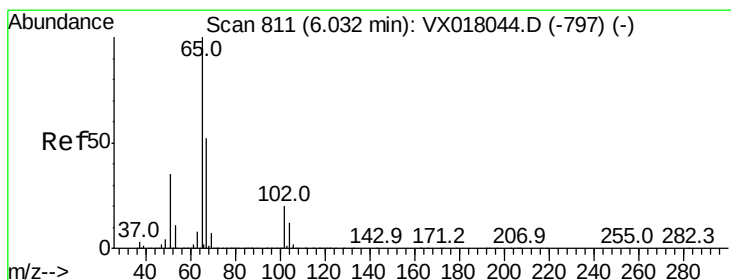
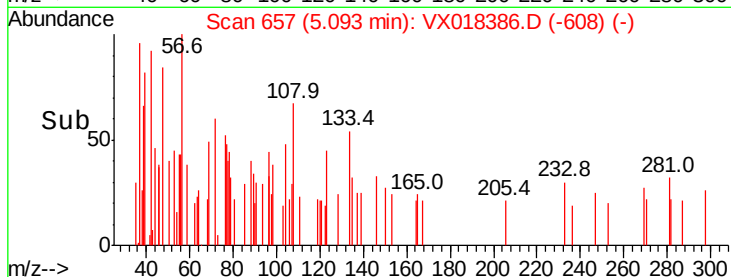
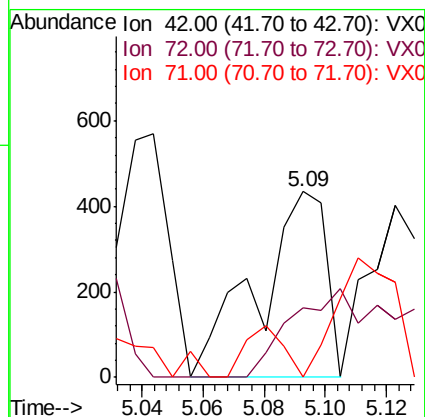
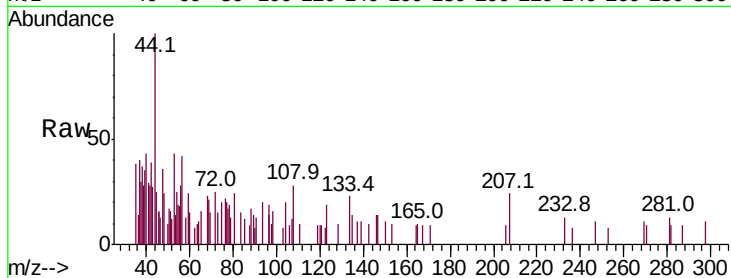
Tot Ion: 42 Resp: 669

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 15.5 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 50.237 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018386.D

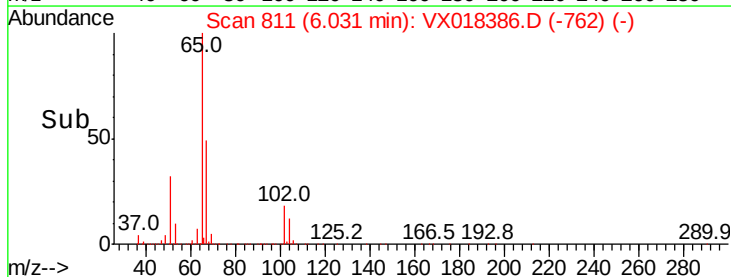
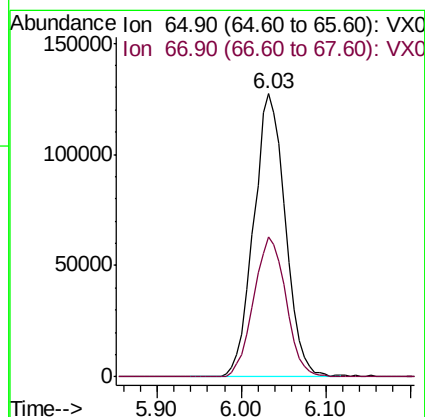
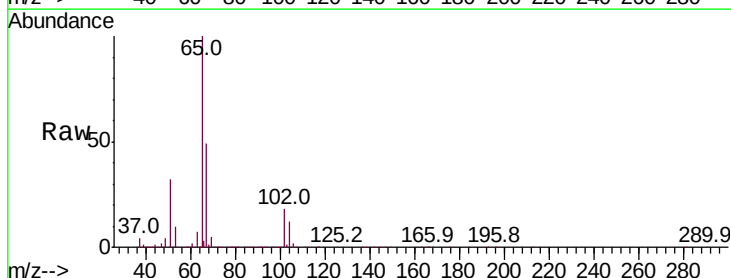
Acq: 14 Sep 2020 16:13

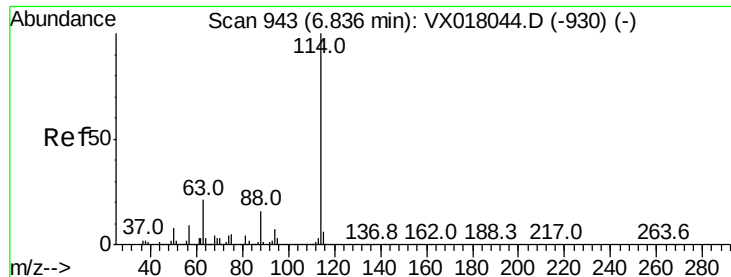
Tgt Ion: 65 Resp: 326419

Ion Ratio Lower Upper

65 100

67 50.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

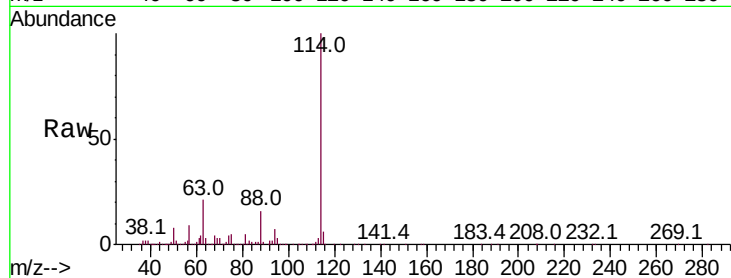
Tot Ion:114 Resp: 725009

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

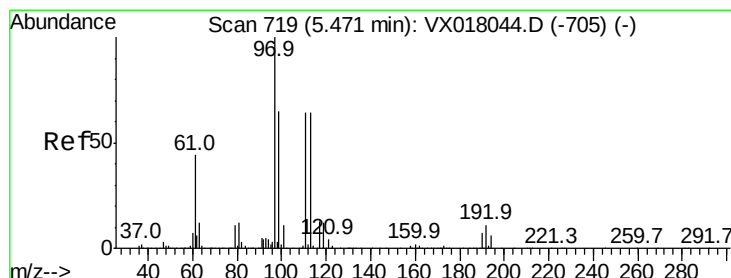
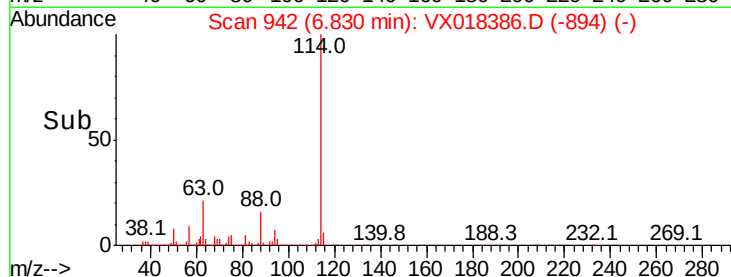
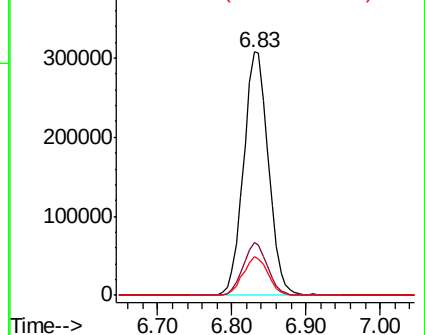
88 16.1 0.0 31.8



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: 51.511 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

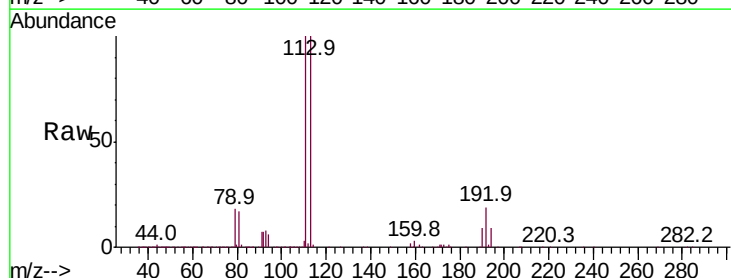
Tgt Ion:113 Resp: 254346

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

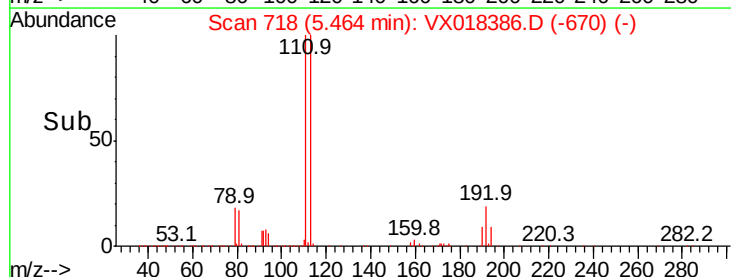
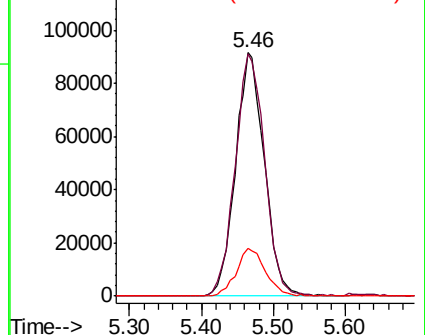
192 19.7 15.8 23.8

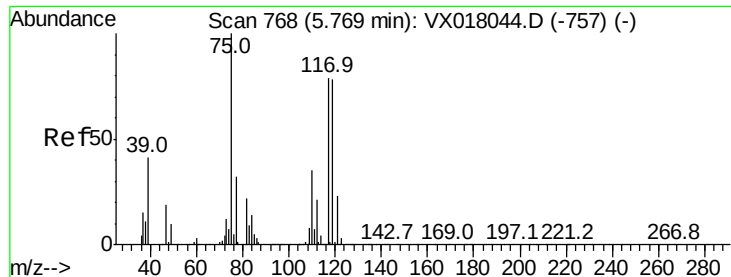


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

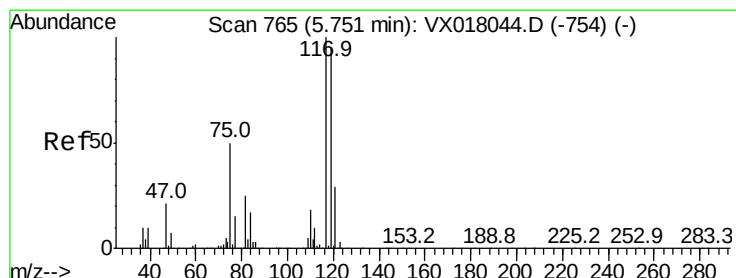
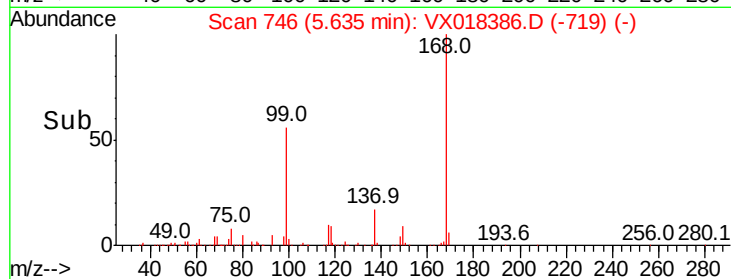
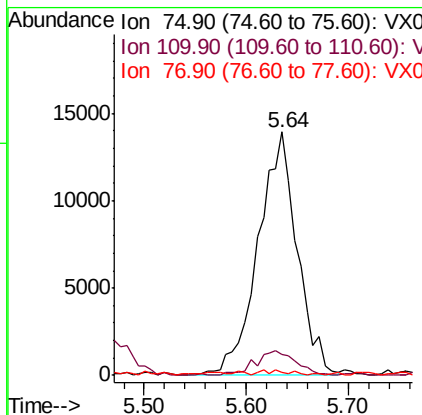
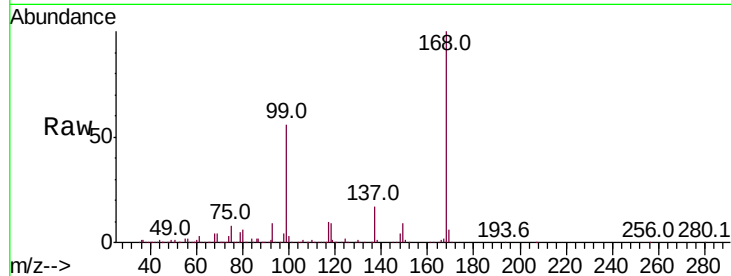




#36
 1,1-Dichloropropene
 Concen: 5.539 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018386.D
 Acq: 14 Sep 2020 16:13

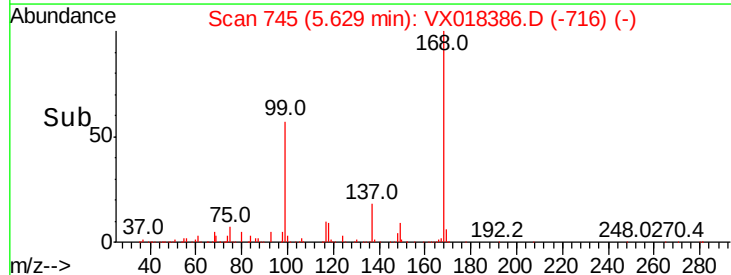
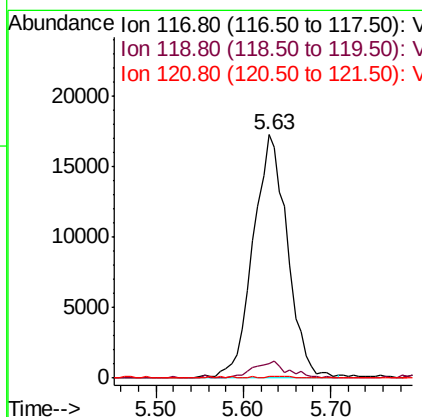
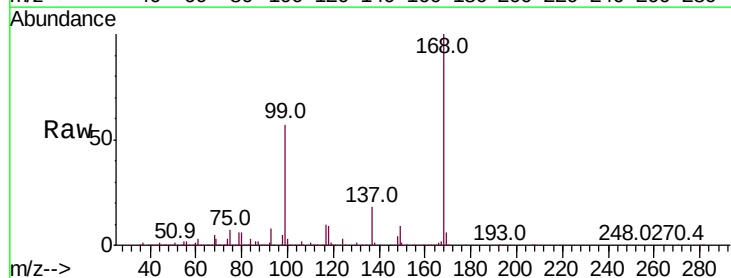
Instrument :
 MSVOA_X
 ClientSampleId :

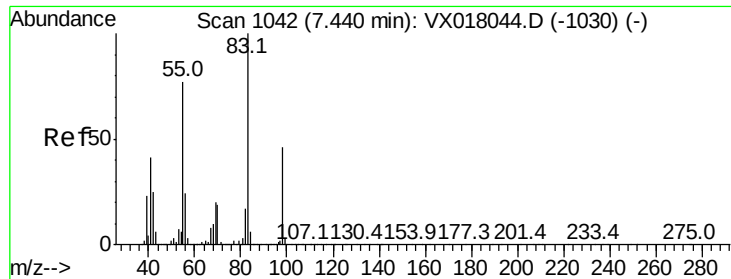
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.0	54.0#
77	0.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.264 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018386.D
 Acq: 14 Sep 2020 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.7	23.4	35.0#

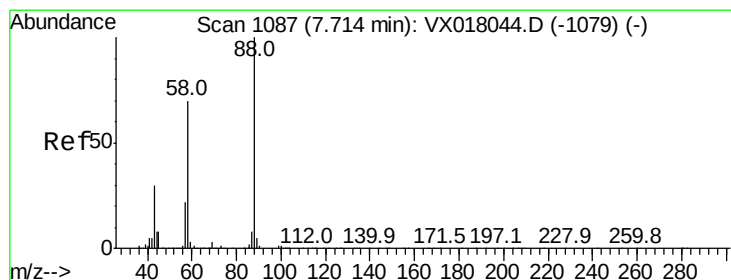
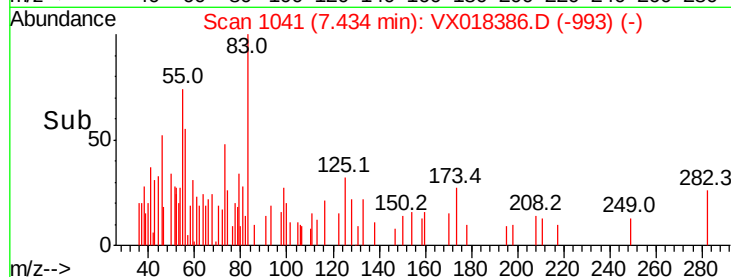
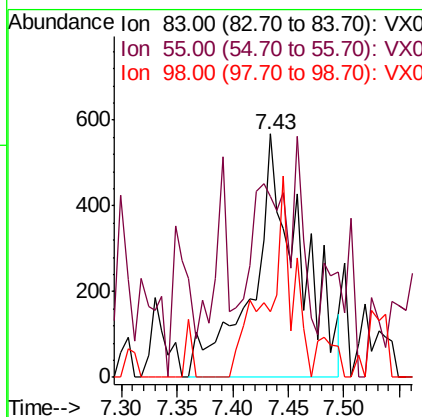
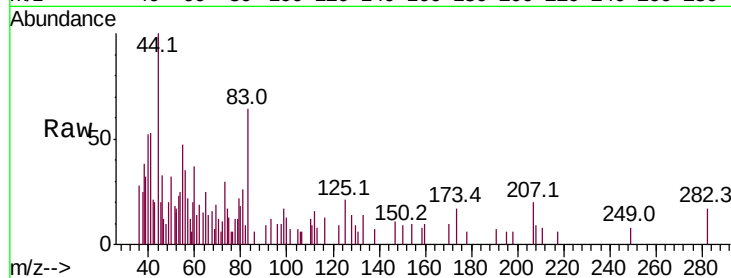




#39
Methylvlcyclohexane
Concen: 0.232 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

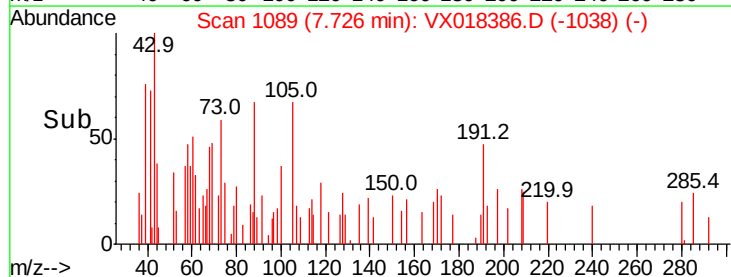
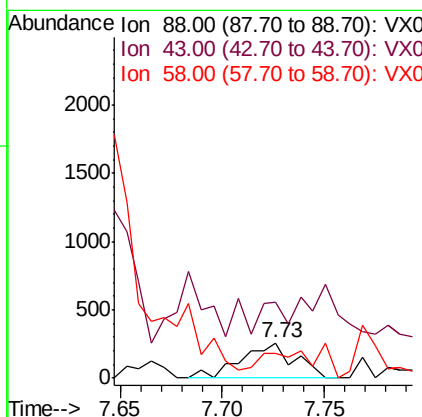
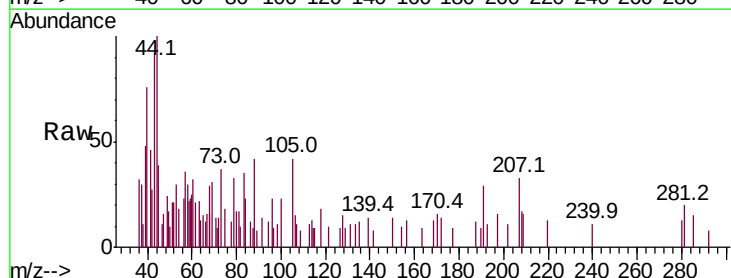
Instrument :
MSVOA_X
ClientSampleId :

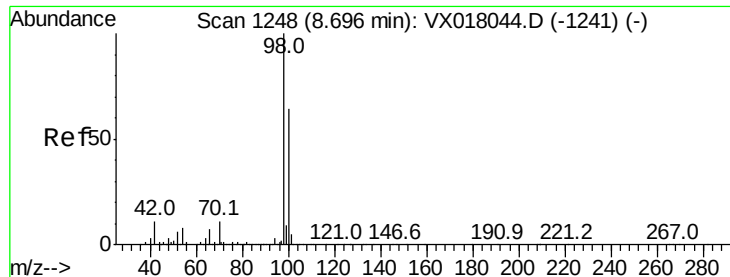
Tot Ion: 83 Resp: 1696
Ion Ratio Lower Upper
83 100
55 33.5 61.8 92.6#
98 14.1 36.6 55.0#



#49
1,4-Dioxane
Concen: 4.155 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 88 Resp: 470
Ion Ratio Lower Upper
88 100
43 64.0 27.4 41.0#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 48.916 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

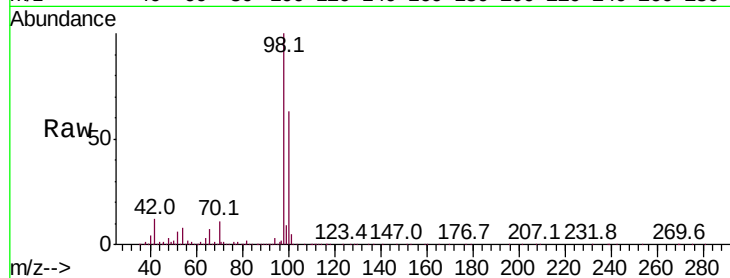
ClientSampleId :

Tot Ion: 98 Resp: 899600

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

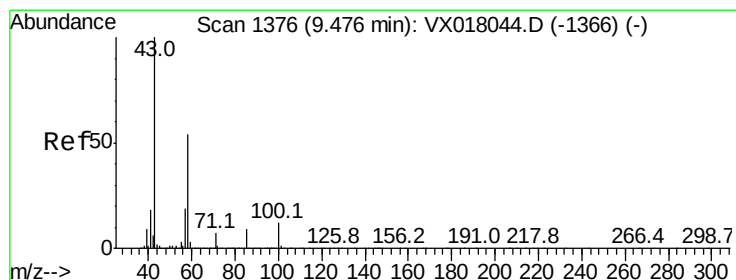
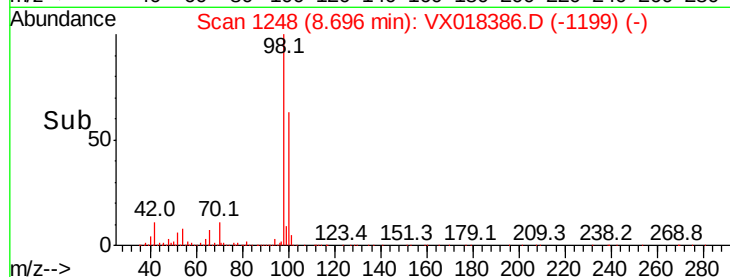
400000

200000

0

8.60 8.70 8.80

Time-->



#59

2-Hexanone

Concen: 1.522 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.09 min

Lab File: VX018386.D

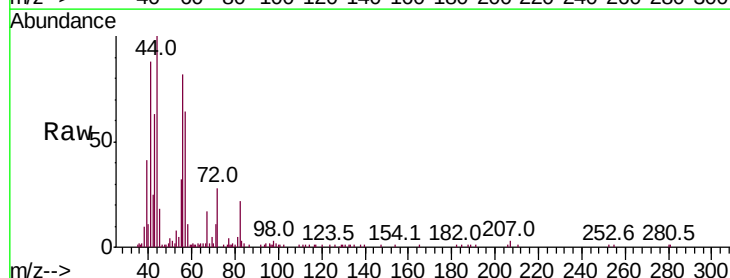
Acq: 14 Sep 2020 16:13

Tgt Ion: 43 Resp: 8966

Ion Ratio Lower Upper

43 100

58 17.0 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

100000

80000

60000

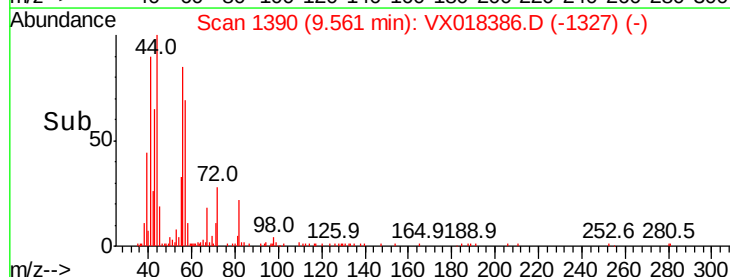
40000

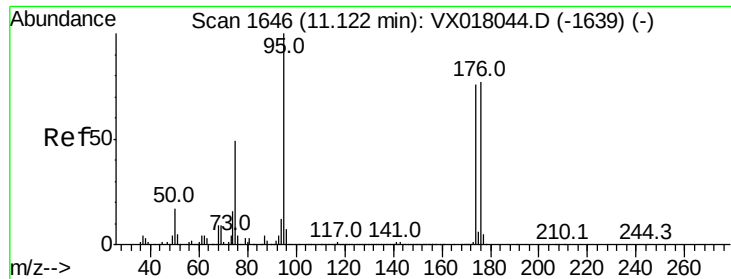
20000

0

9.52 9.54 9.56 9.58

Time-->





#62

4-Bromofluorobenzene

Concen: 48.778 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

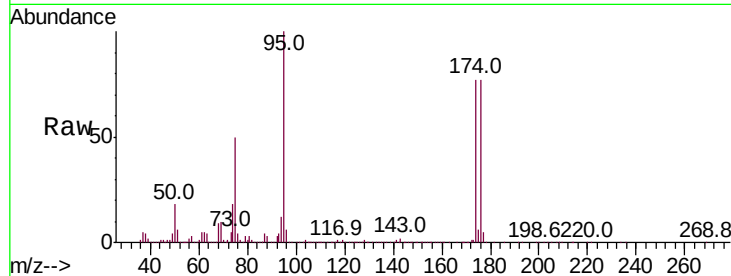
Tot Ion: 95 Resp: 352938

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

176 78.1 0.0 155.8

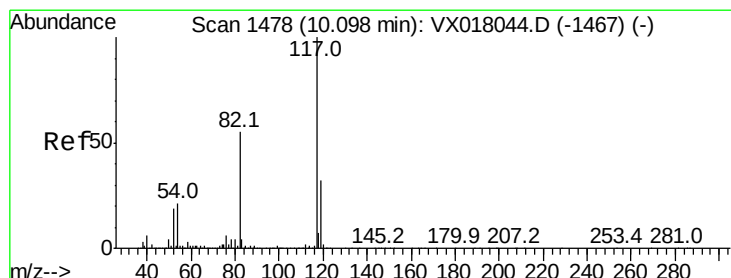
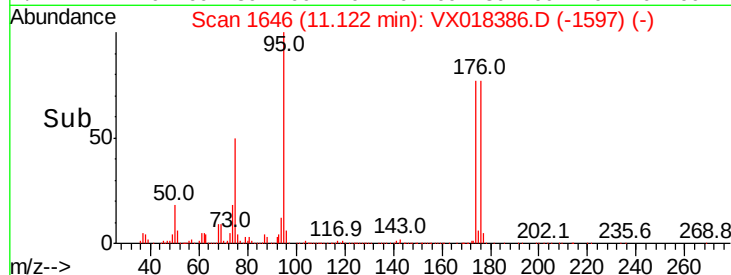


Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

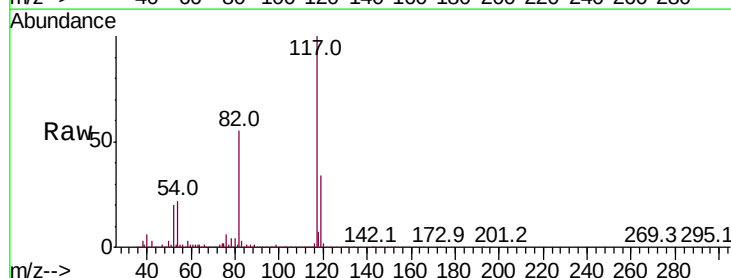
Tgt Ion: 117 Resp: 717492

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

119 33.6 25.7 38.5

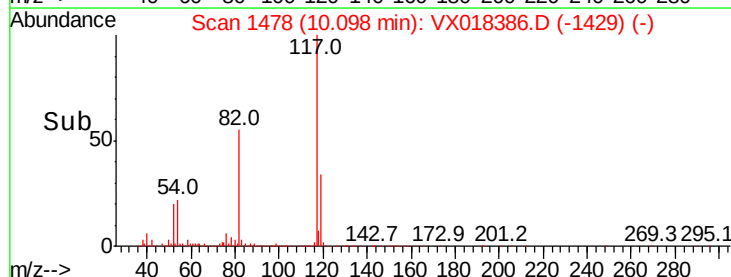


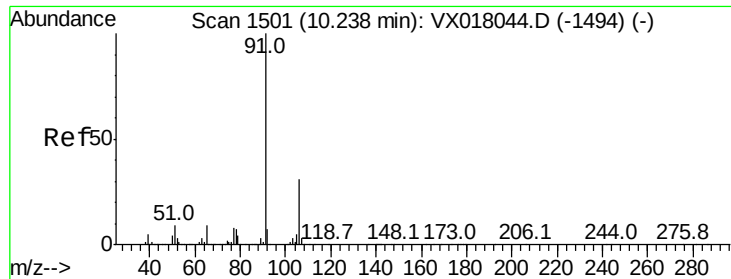
Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

Time-->

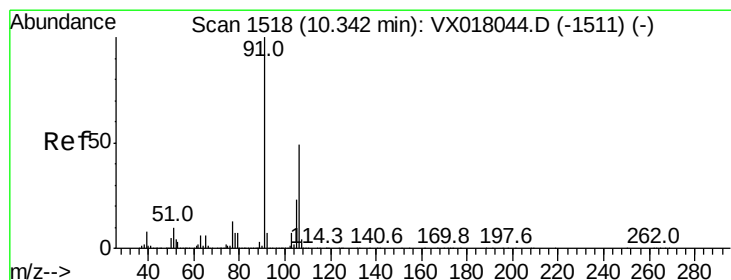
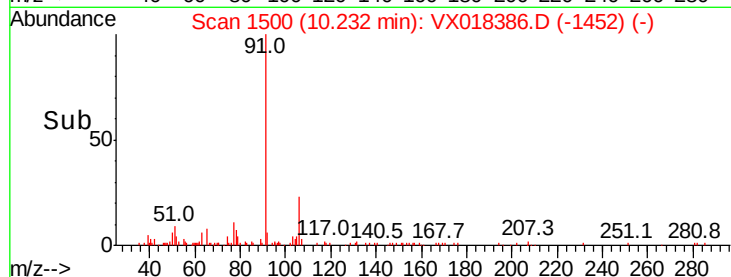
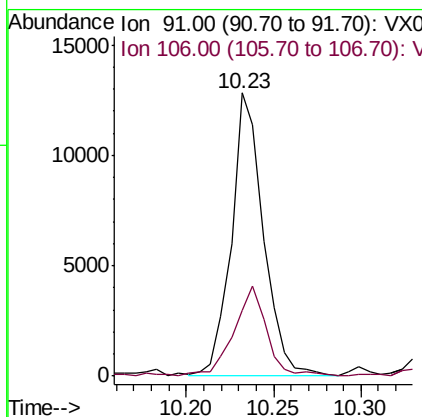
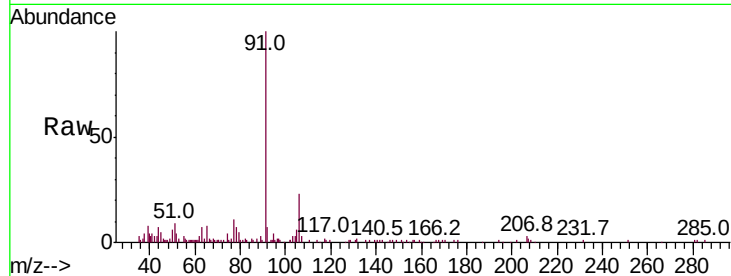




#67
Ethyl Benzene
Concen: 0.673 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

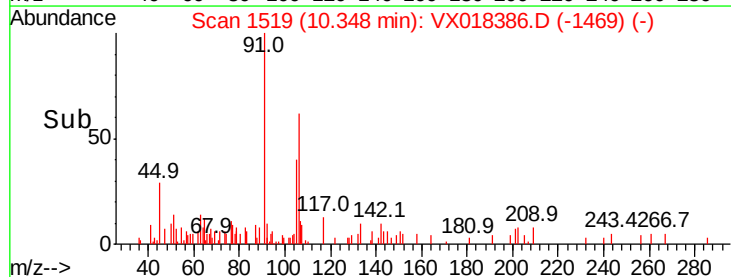
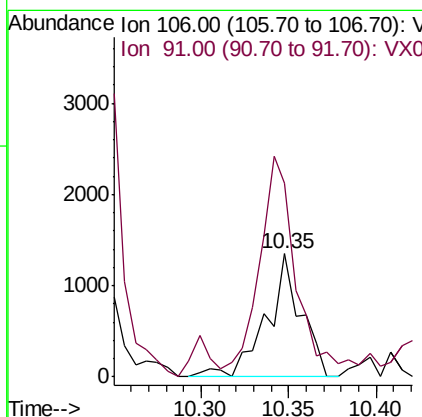
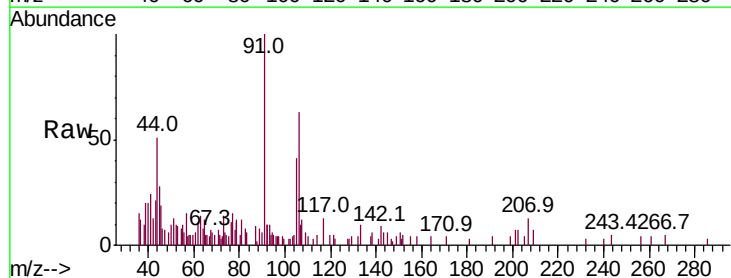
Instrument :
MSVOA_X
ClientSampleId :

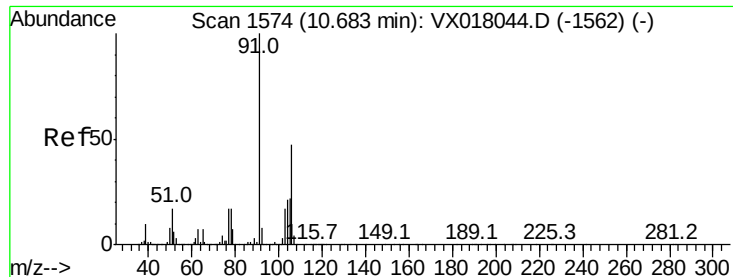
Tot Ion: 91 Resp: 16389
Ion Ratio Lower Upper
91 100
106 22.6 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 106 Resp: 1866
Ion Ratio Lower Upper
106 100
91 174.7 162.2 243.2

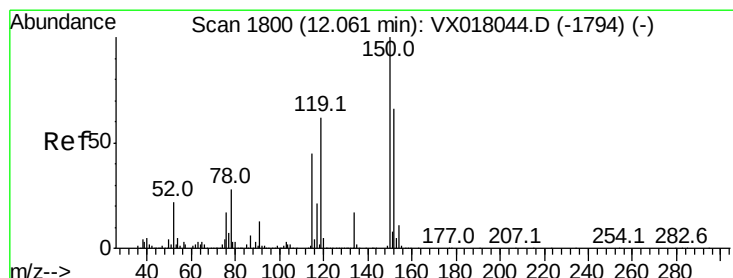
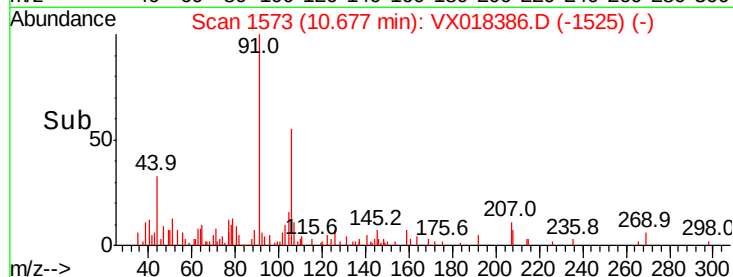
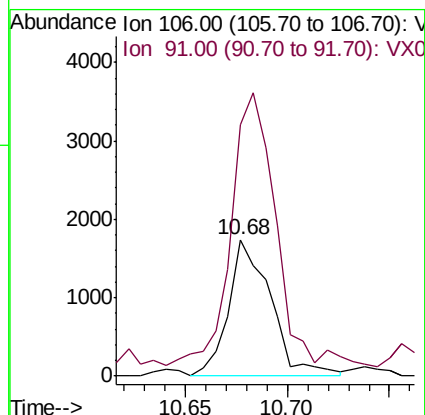
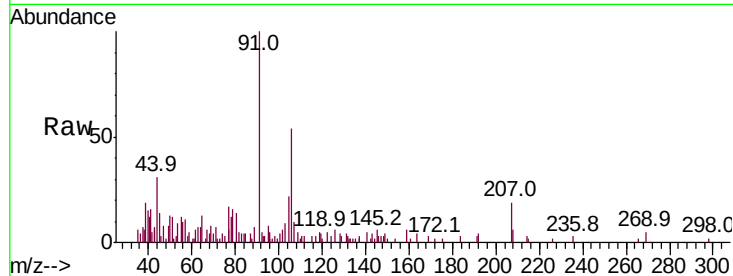




#69
o-Xylene
Concen: 0.284 ug/l
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

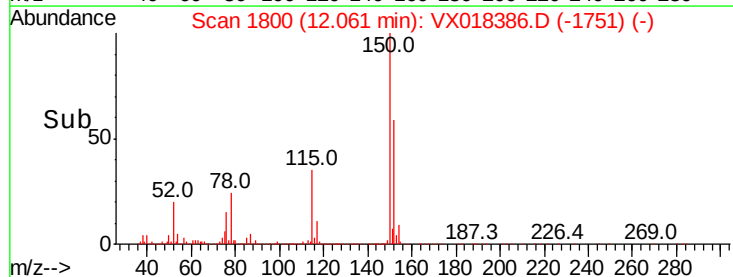
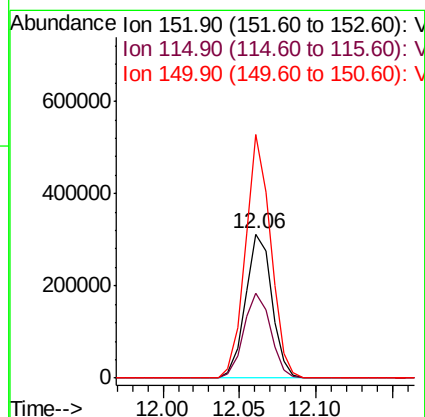
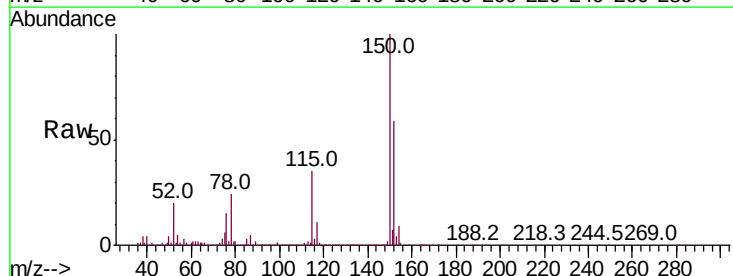
Instrument :
MSVOA_X
ClientSampled :

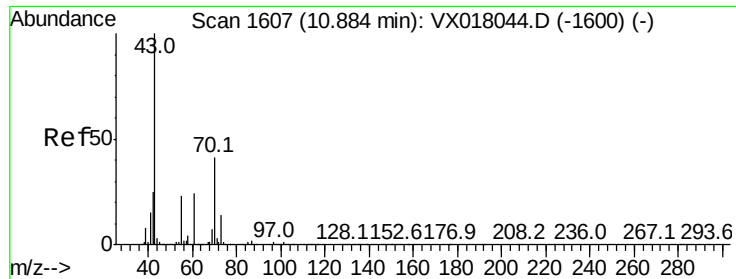
Tot Ion:106 Resp: 2508
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion:152 Resp: 373844
Ion Ratio Lower Upper
152 100
115 59.9 41.5 124.5
150 161.2 0.0 343.8

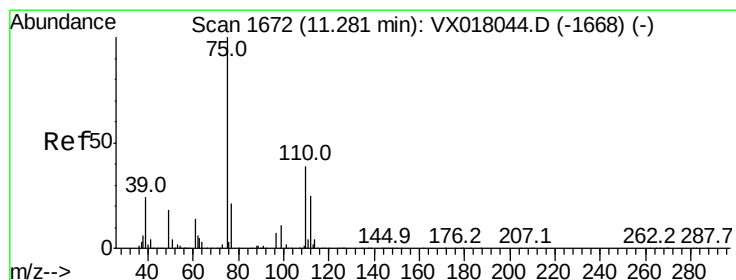
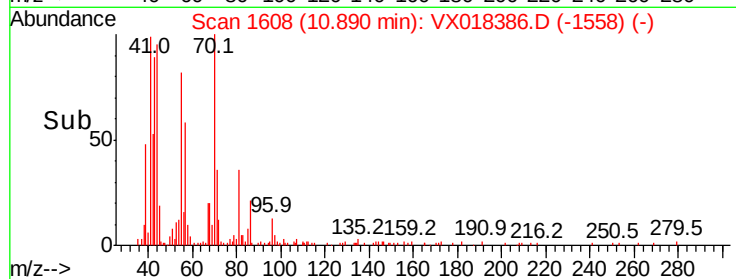
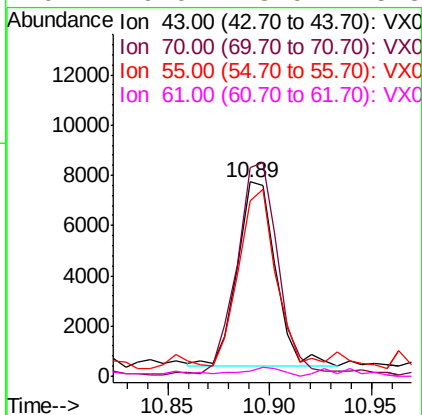
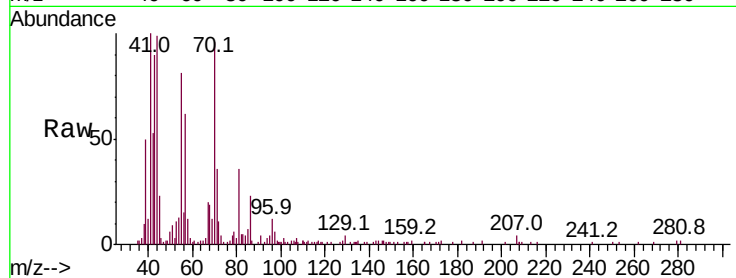




#74
N-amvl acetate
Concen: 0.816 ug/l
RT: 10.89 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

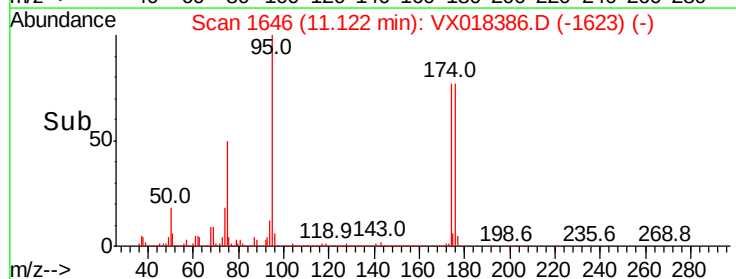
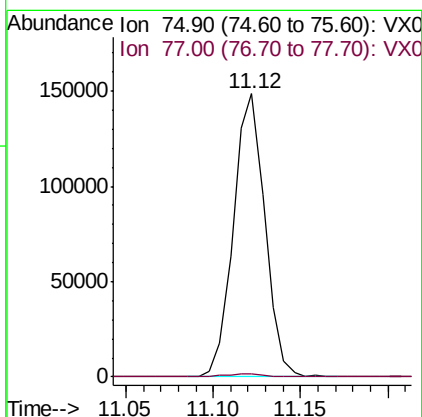
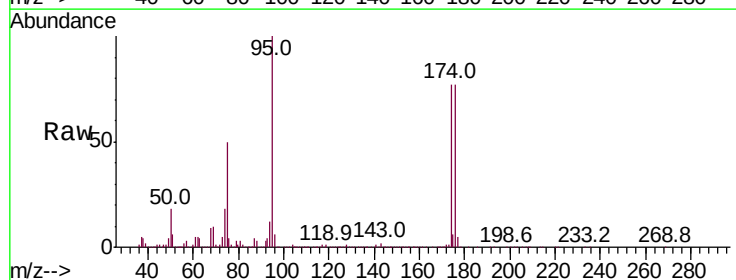
Instrument :
MSVOA_X
ClientSampleId :

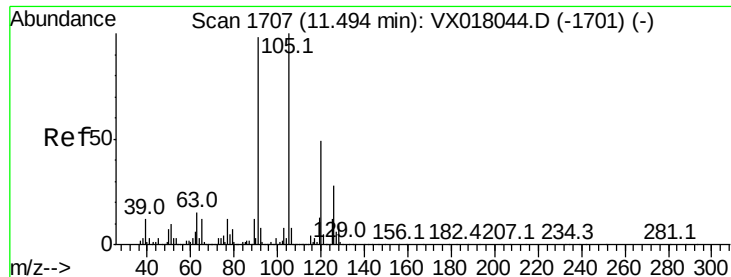
Tot Ion: 43 Resp: 9543
Ion Ratio Lower Upper
43 100
70 126.4 32.3 48.5#
55 96.0 18.2 27.2#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 22.350 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX018386.D
Acq: 14 Sep 2020 16:13

Tgt Ion: 75 Resp: 185870
Ion Ratio Lower Upper
75 100
77 1.4 20.8 62.2#

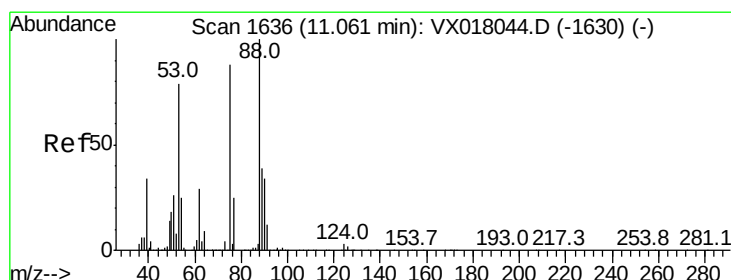
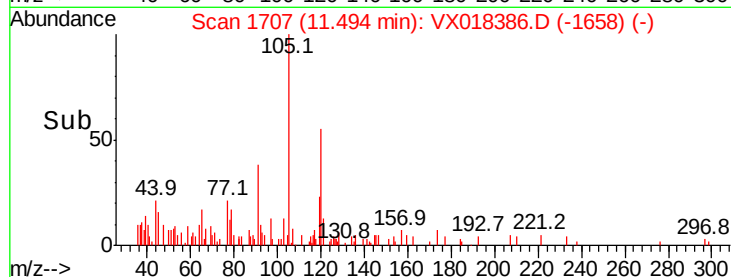
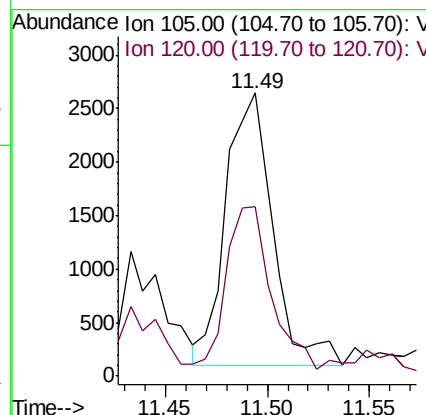
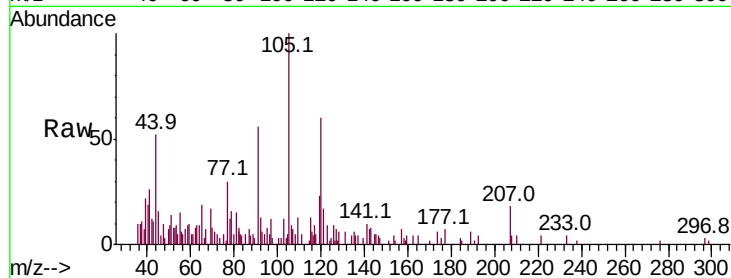




#80
 1,3,5-Trimethylbenzene
 Concen: 0.201 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018386.D
 Acq: 14 Sep 2020 16:13

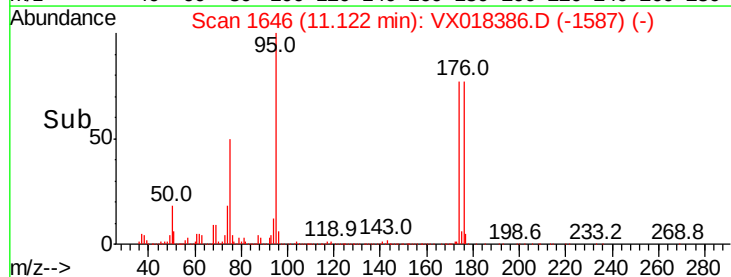
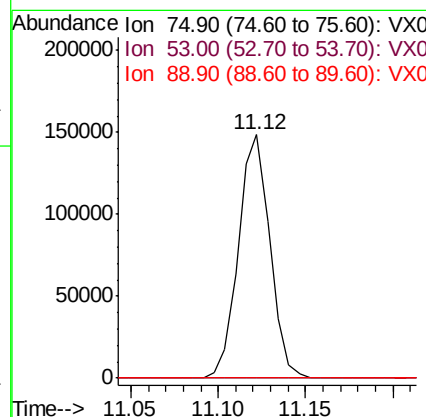
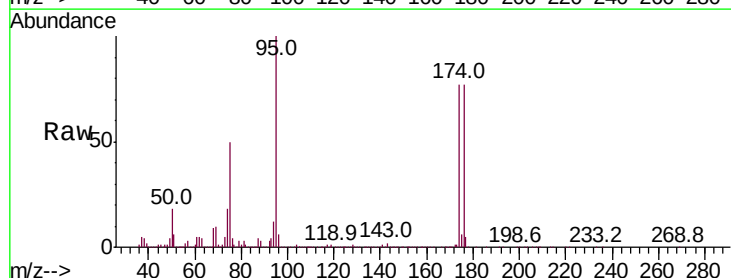
Instrument :
 MSVOA_X
 ClientSampleId :

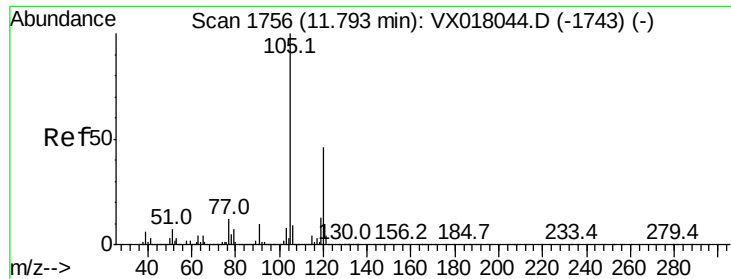
Tot Ion:105 Resp: 4065
 Ion Ratio Lower Upper
 105 100
 120 57.3 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.364 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018386.D
 Acq: 14 Sep 2020 16:13

Tgt Ion: 75 Resp: 185870
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.7 112.1#
 89 0.1 36.6 54.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.427 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

Instrument :

MSVOA_X

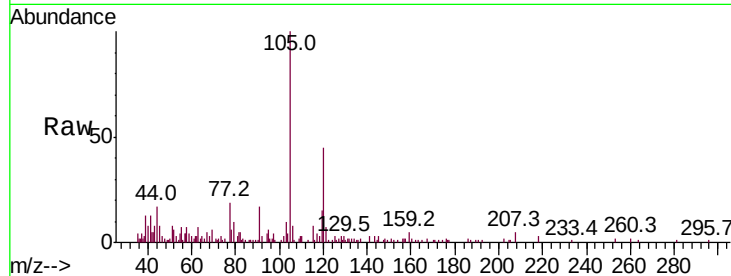
ClientSampleId :

Tot Ion:105 Resp: 8846

Ion Ratio Lower Upper

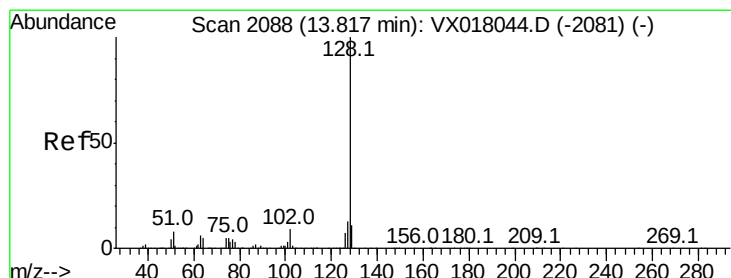
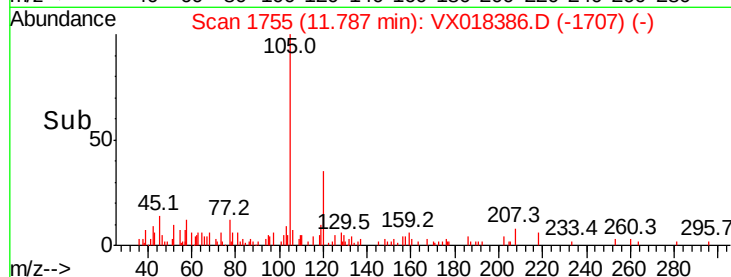
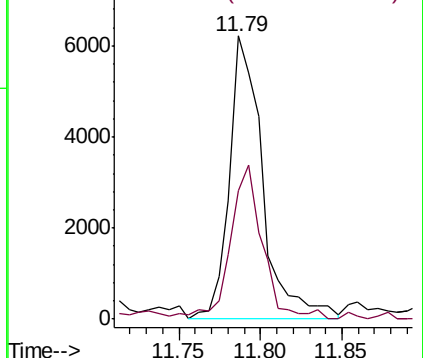
105 100

120 52.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 0.442 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018386.D

Acq: 14 Sep 2020 16:13

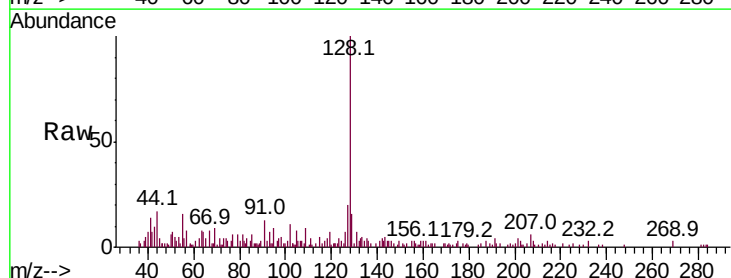
Tgt Ion:128 Resp: 10915

Ion Ratio Lower Upper

128 100

127 17.2 10.2 15.2#

129 14.0 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

