

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018391.D
 Acq On : 14 Sep 2020 18:07
 Operator : JC/SP
 Sample : PB131574ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:12:16 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	447946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	719984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	723693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	370034	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	318402	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
35) Dibromofluoromethane	5.47	113	252645	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	8.70	98	912479	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.12	95	360261	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	

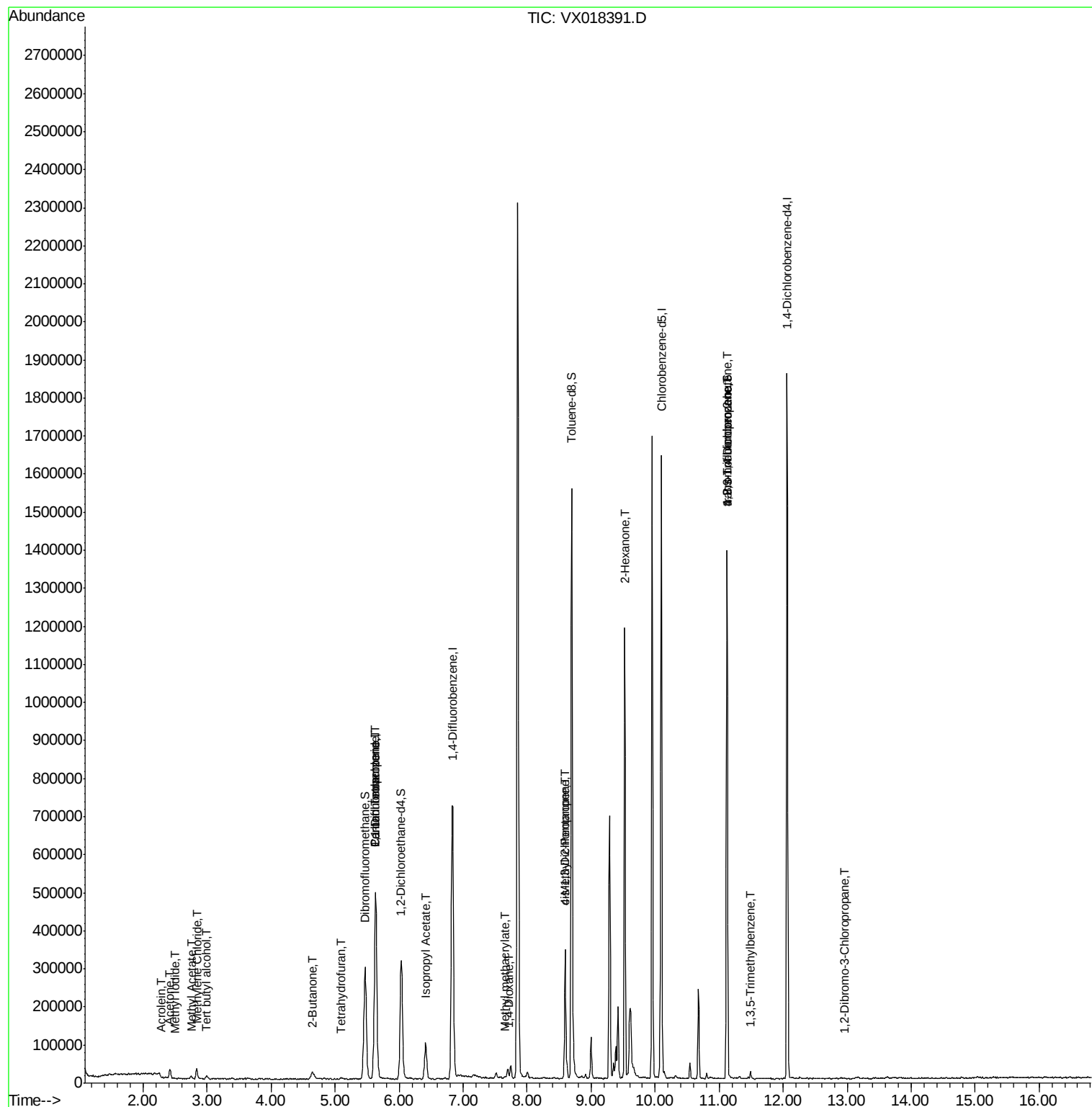
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	127	5.312	ug/l #	1
11) Tert butyl alcohol	2.99	59	2800	2.316	ug/l #	90
13) Acrolein	2.28	56	382	0.762	ug/l #	40
16) Acetone	2.42	43	26925	11.112	ug/l	100
18) Methyl Acetate	2.75	43	7148	1.222	ug/l #	86
20) Methylene Chloride	2.84	84	13892	1.675	ug/l	94
25) 2-Butanone	4.65	43	8661	2.175	ug/l #	81
29) Tetrahydrofuran	5.10	42	5033	1.985	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	34485	5.193	ug/l #	52
38) Carbon Tetrachloride	5.63	117	46979	6.277	ug/l #	17
43) Isopropyl Acetate	6.42	43	123941	9.949	ug/l	98
48) Methyl methacrylate	7.66	41	7760	1.251	ug/l #	15
49) 1,4-Dioxane	7.71	88	74	0.659	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	125554	16.316	ug/l #	55
54) cis-1,3-Dichloropropene	8.59	75	50344	5.807	ug/l #	63
59) 2-Hexanone	9.52	43	133801	22.867	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	187308	22.755	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	7105	0.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	187308	61.457	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.96	75	515	0.239	ug/l #	13

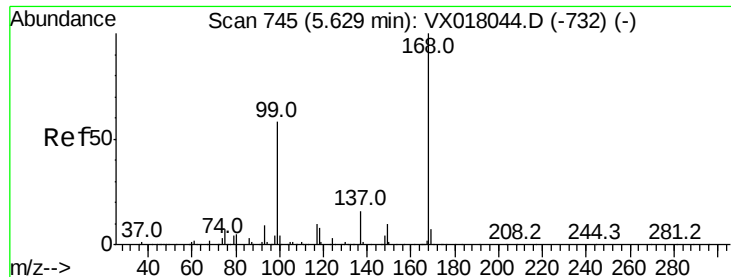
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

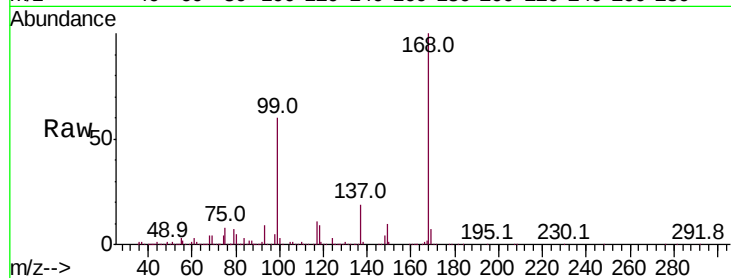
ClientSampleId :

Tot Ion:168 Resp: 447946

Ion Ratio Lower Upper

168 100

99 59.6 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

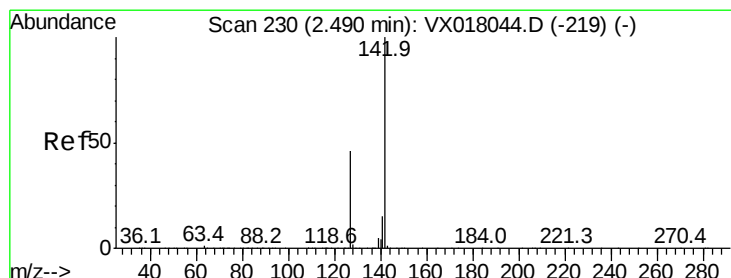
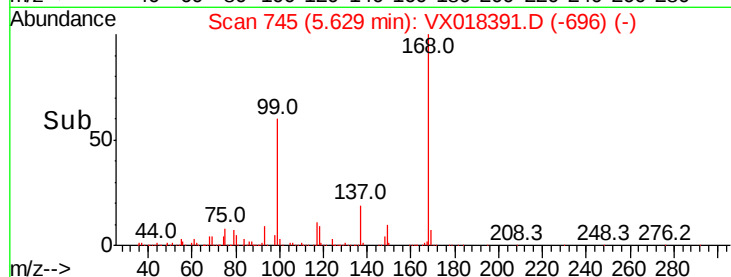
100000

50000

0

Time-->

5.50 5.60 5.70



#10

Methyl Iodide

Concen: 5.312 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

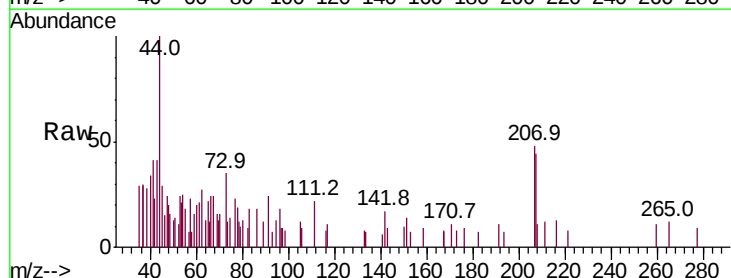
Tgt Ion:142 Resp: 127

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 185.8 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

250

200

150

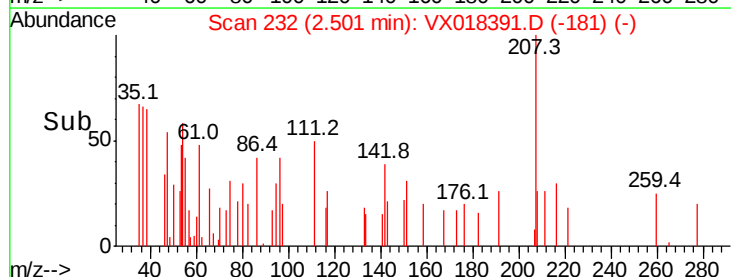
100

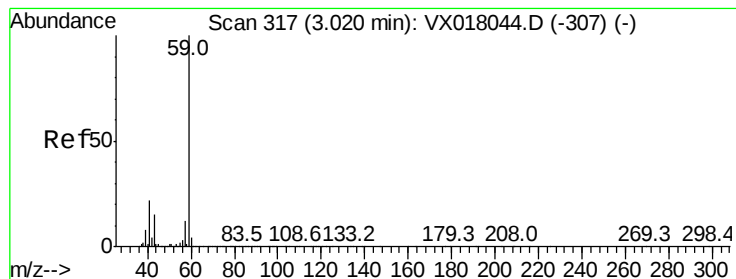
50

0

Time-->

2.48 2.50 2.52



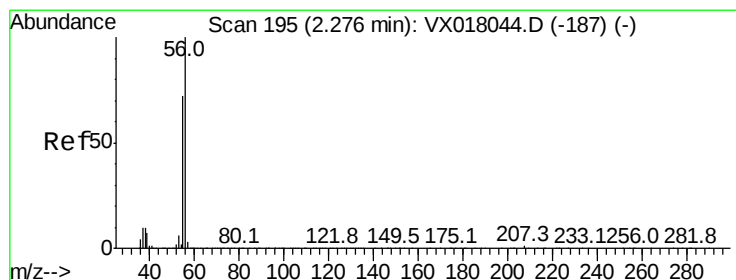
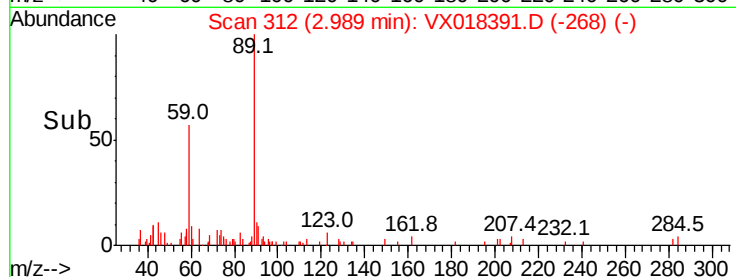
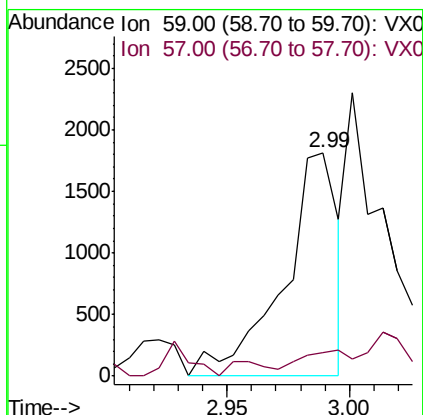
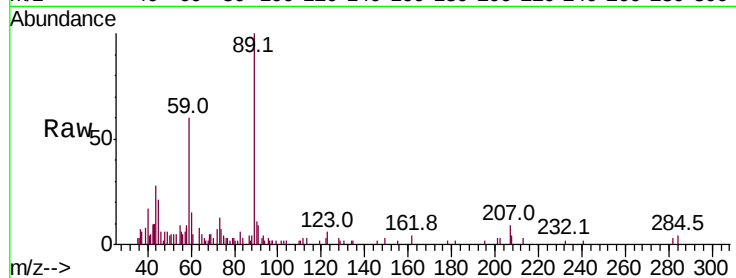


#11

Tert butyl alcohol
 Concen: 2.316 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX018391.D
 Acq: 14 Sep 2020 18:07

Instrument :
 MSVOA_X
 ClientSampled :

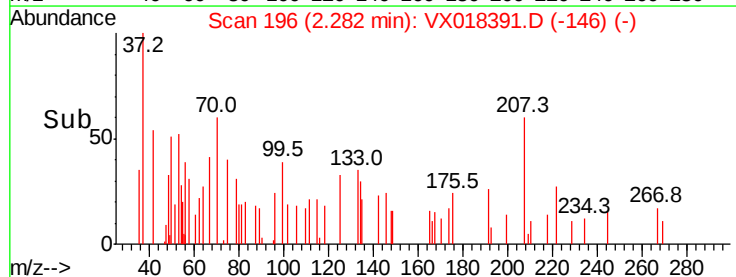
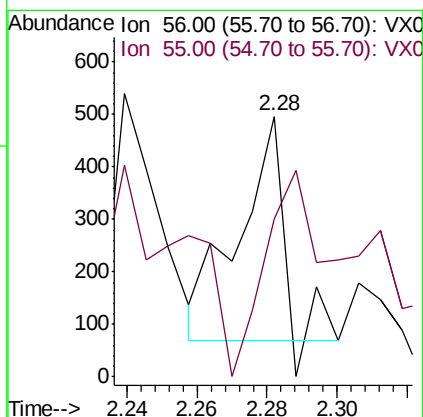
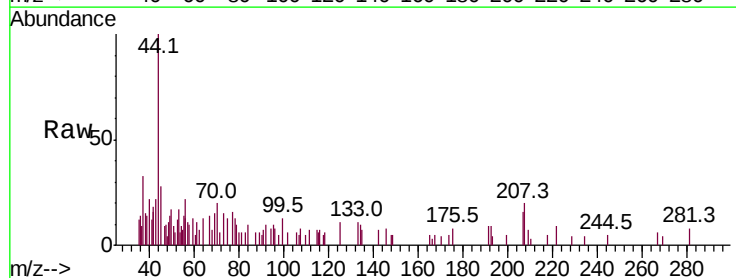
Tot Ion: 59 Resp: 2800
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.9 13.3#

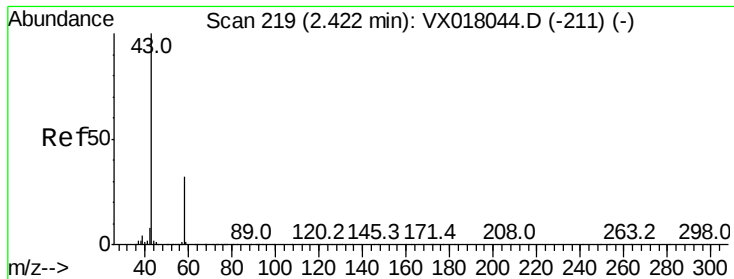


#13

Acrolein
 Concen: 0.762 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX018391.D
 Acq: 14 Sep 2020 18:07

Tgt Ion: 56 Resp: 382
 Ion Ratio Lower Upper
 56 100
 55 121.2 57.0 85.6#

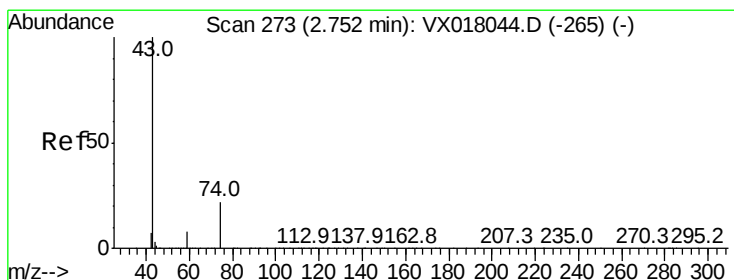
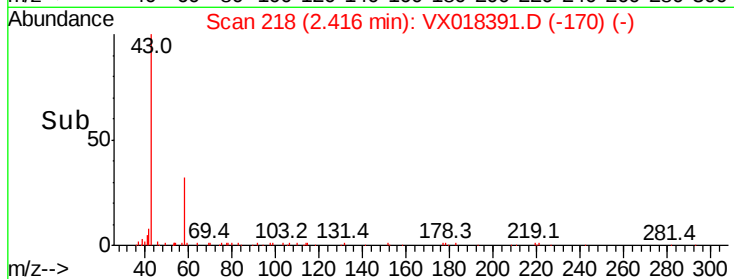
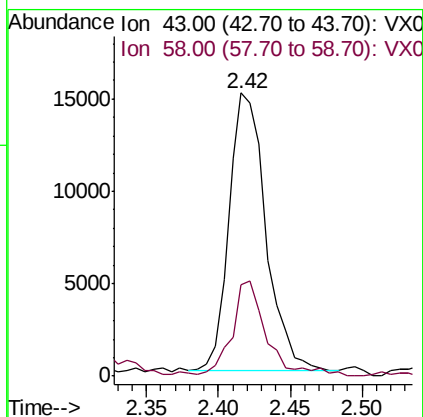
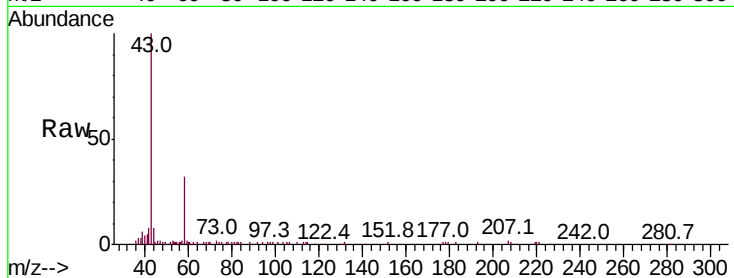




#16
Acetone
Concen: 11.112 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

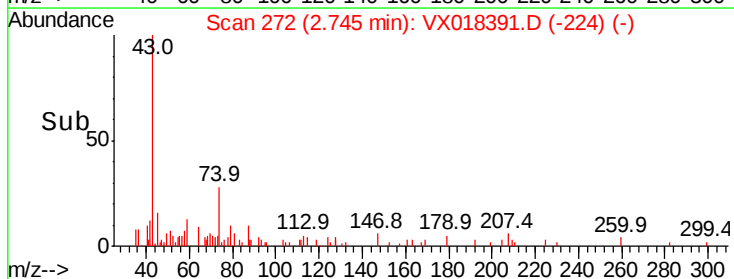
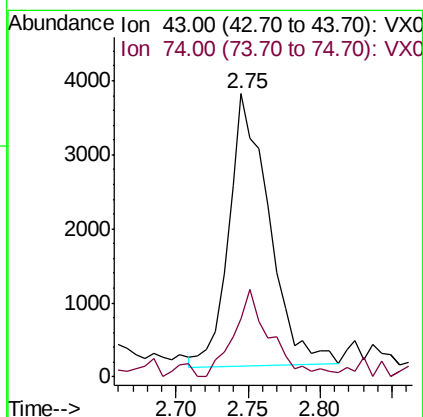
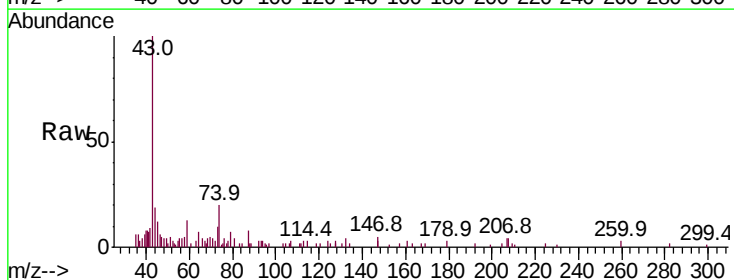
Instrument :
MSVOA_X
ClientSampleId :

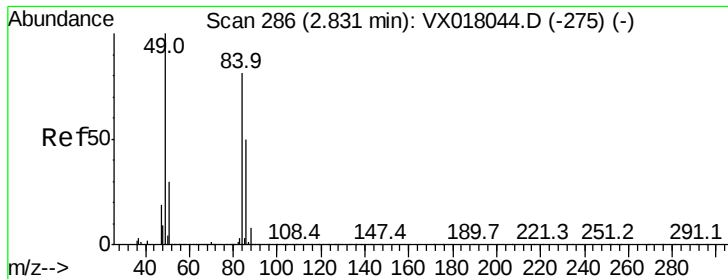
Tot Ion: 43 Resp: 26925
Ion Ratio Lower Upper
43 100
58 31.9 25.5 38.3



#18
Methyl Acetate
Concen: 1.222 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion: 43 Resp: 7148
Ion Ratio Lower Upper
43 100
74 29.4 18.2 27.4#

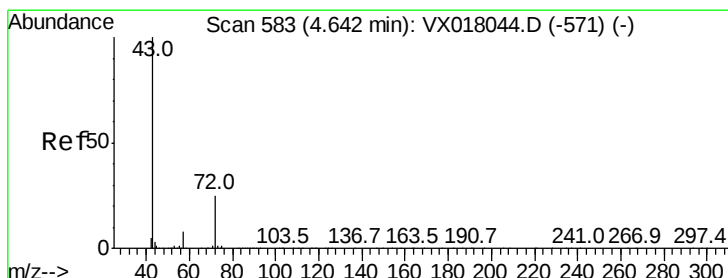
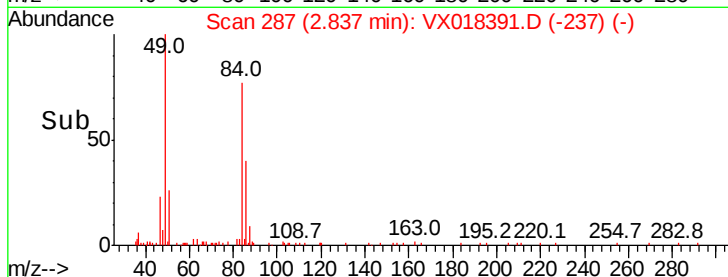
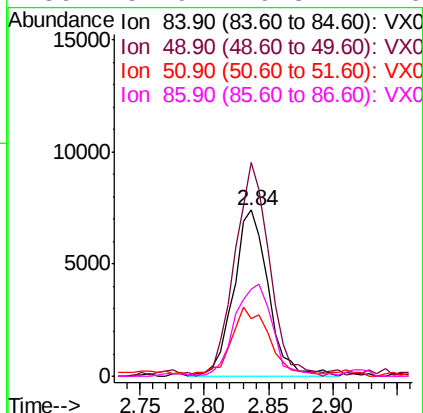
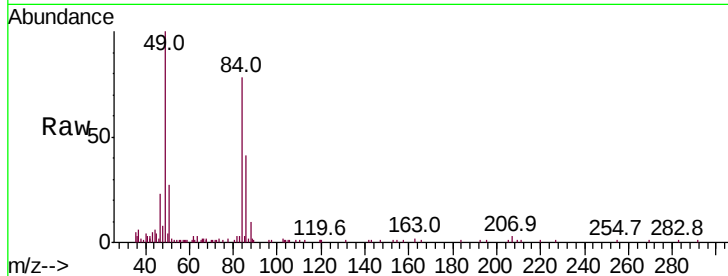




#20
Methvlene Chloride
Concen: 1.675 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

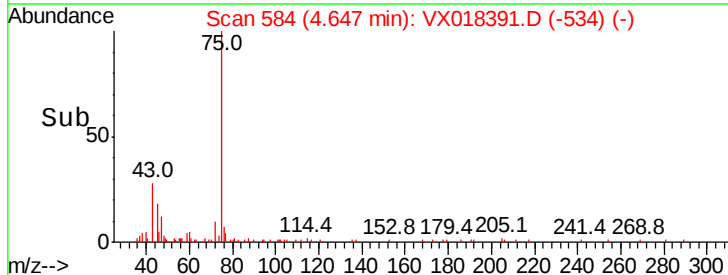
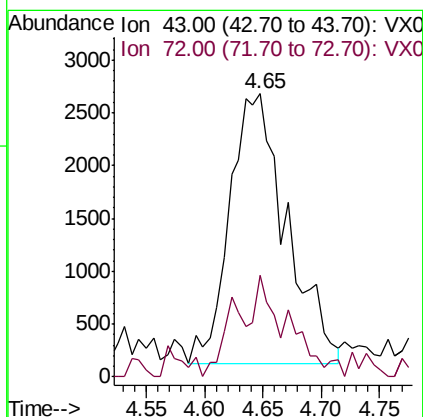
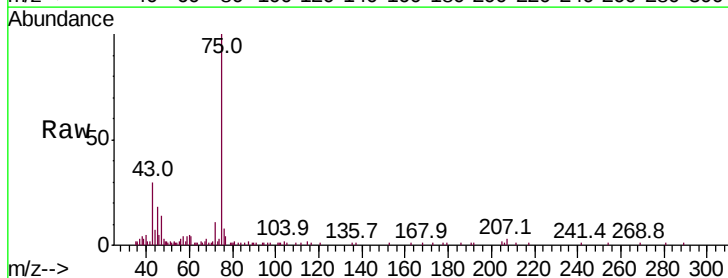
Instrument :
MSVOA_X
ClientSampleId :

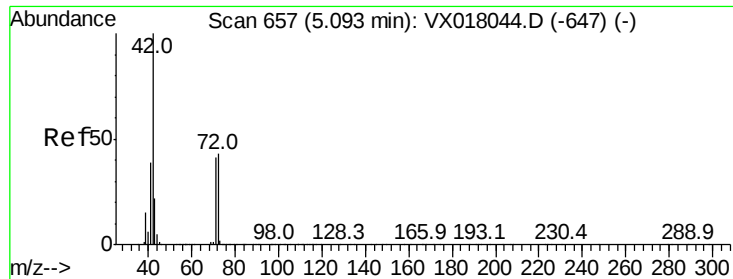
Tot Ion:	84	Resp:	13892
Ion	Ratio	Lower	Upper
84	100		
49	126.2	98.6	148.0
51	33.7	29.6	44.4
86	51.9	49.8	74.6



#25
2-Butanone
Concen: 2.175 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion:	43	Resp:	8661
Ion	Ratio	Lower	Upper
43	100		
72	34.1	19.8	29.6#





#29

Tetrahydrofuran

Concen: 1.985 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

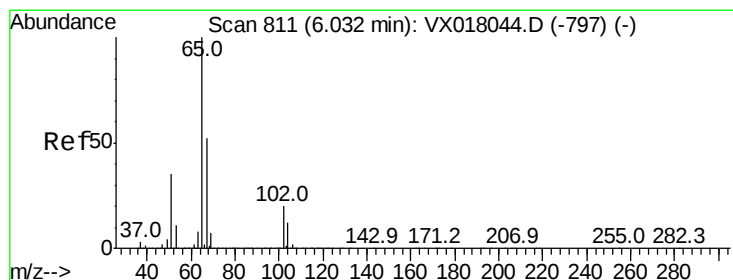
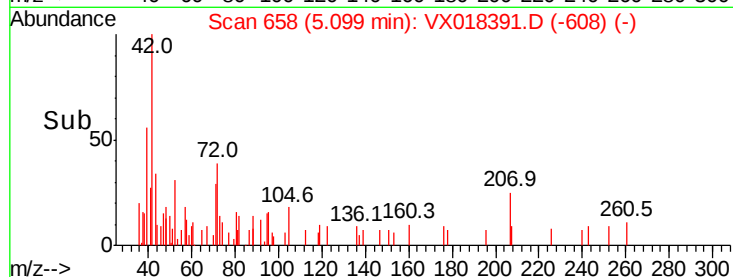
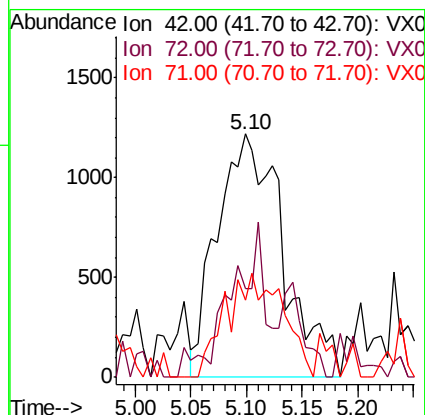
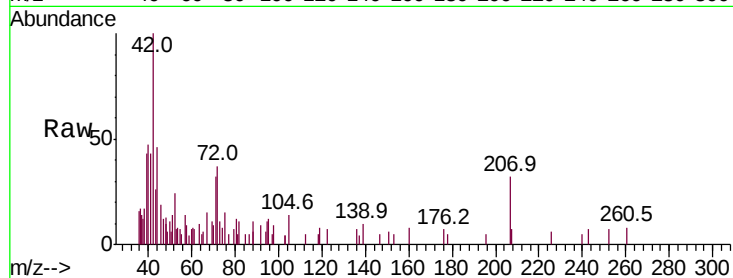
Tot Ion: 42 Resp: 5033

Ion Ratio Lower Upper

42 100

72 30.3 34.2 51.4#

71 37.0 32.1 48.1



#33

1,2-Dichloroethane-d4

Concen: 51.201 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018391.D

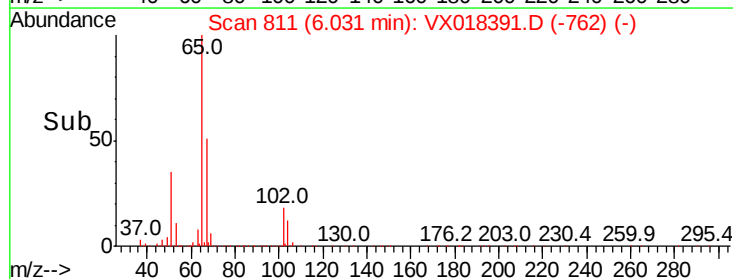
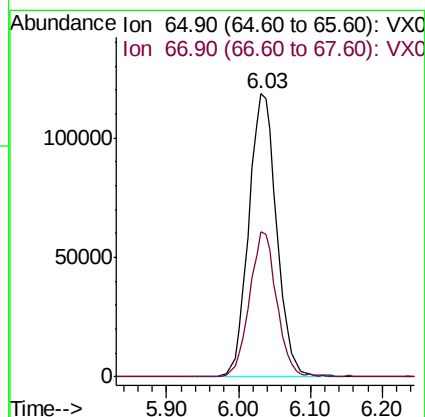
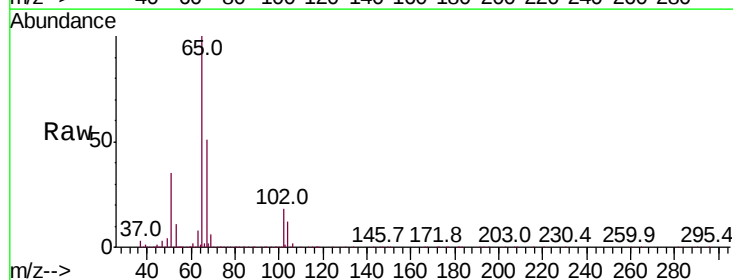
Acq: 14 Sep 2020 18:07

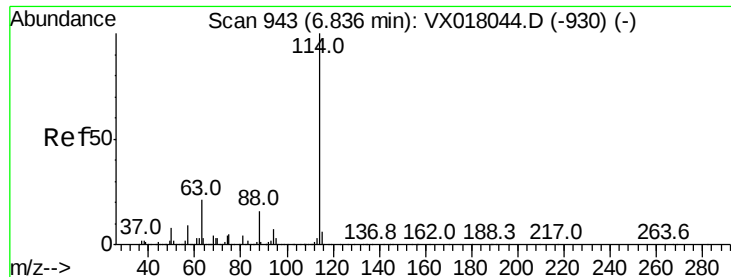
Tgt Ion: 65 Resp: 318402

Ion Ratio Lower Upper

65 100

67 50.2 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: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

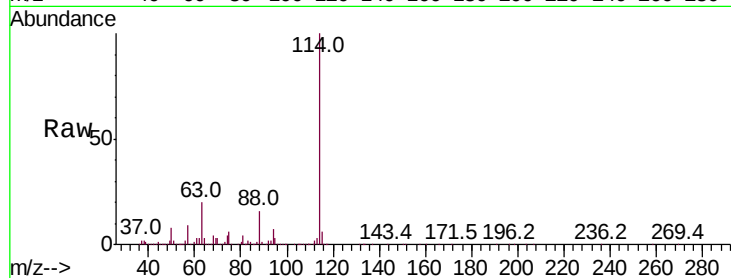
Tot Ion:114 Resp: 719984

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

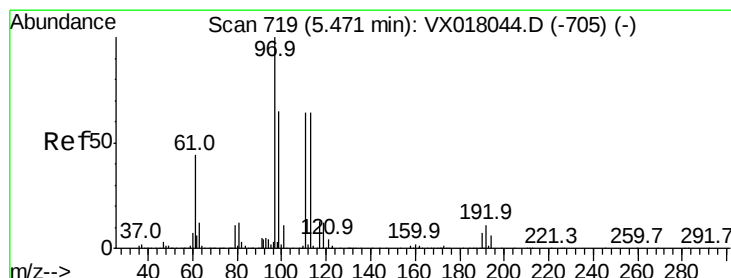
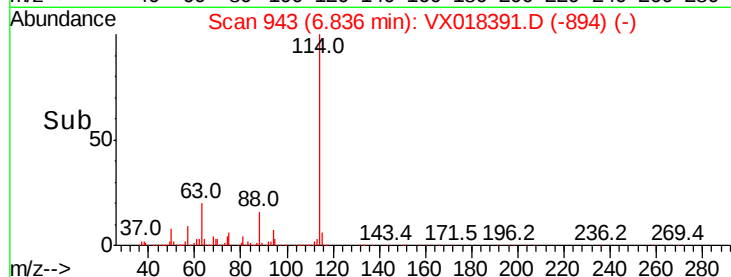
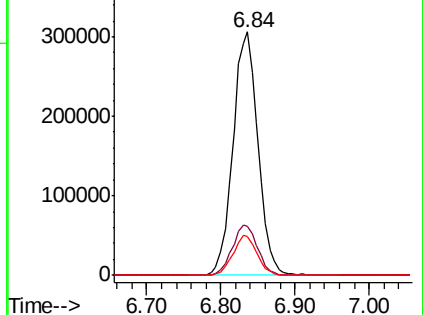
88 16.0 0.0 31.8



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: 51.524 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

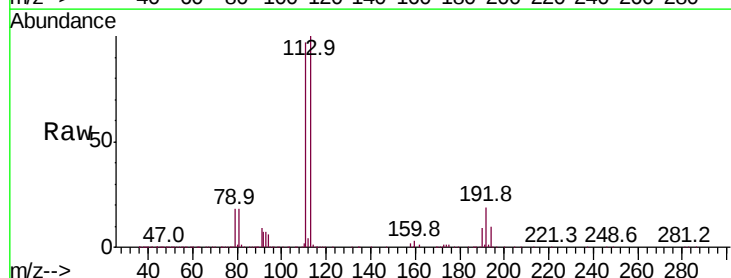
Tgt Ion:113 Resp: 252645

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

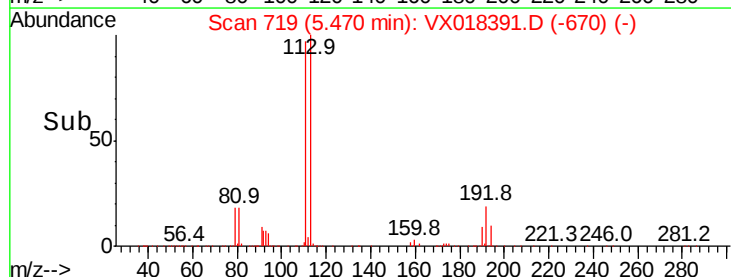
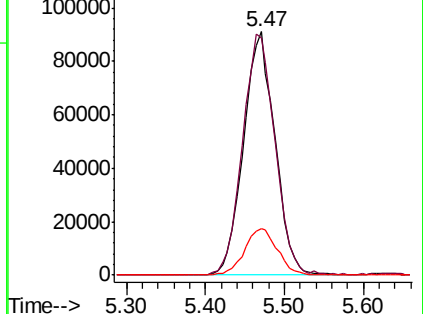
192 20.1 15.8 23.8

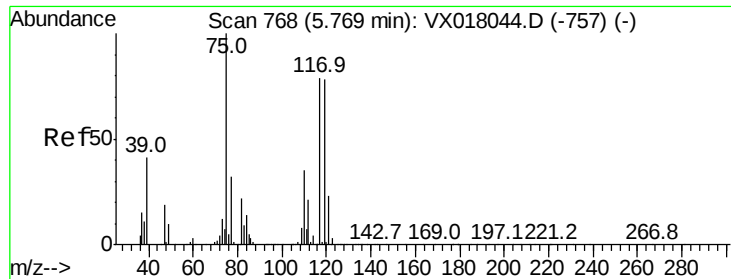


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

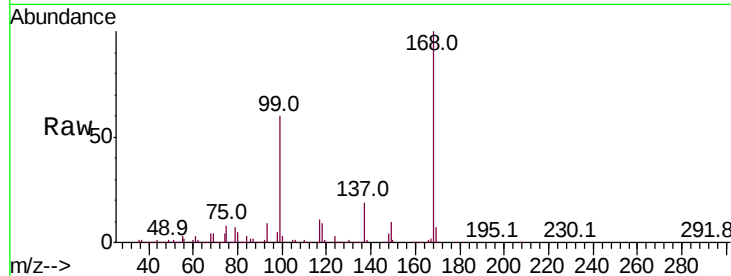
Tot Ion: 75 Resp: 34485

Ion Ratio Lower Upper

75 100

110 11.3 18.0 54.0#

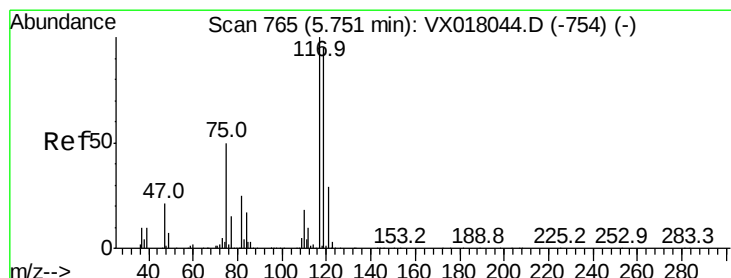
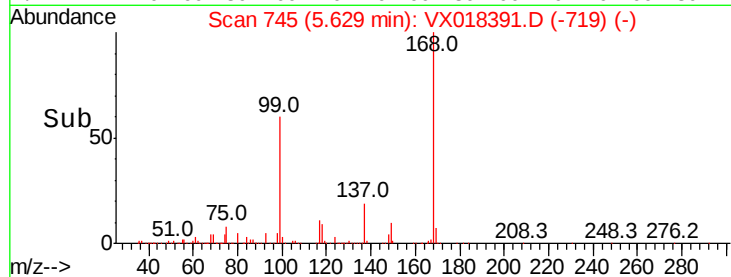
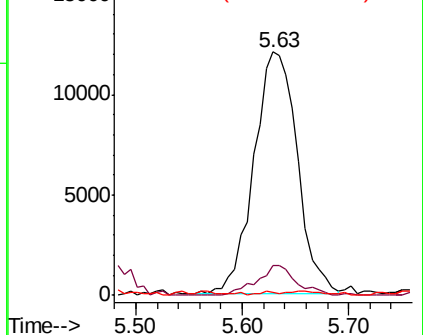
77 0.6 24.4 36.6#



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: 6.277 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

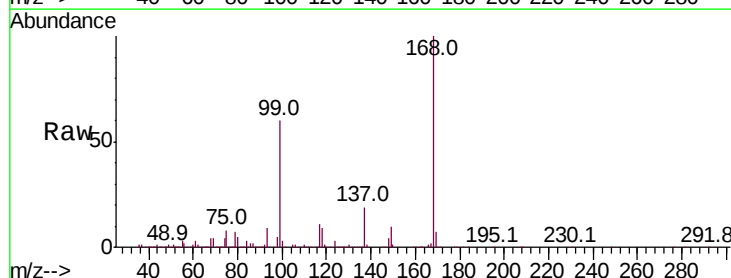
Tgt Ion: 117 Resp: 46979

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

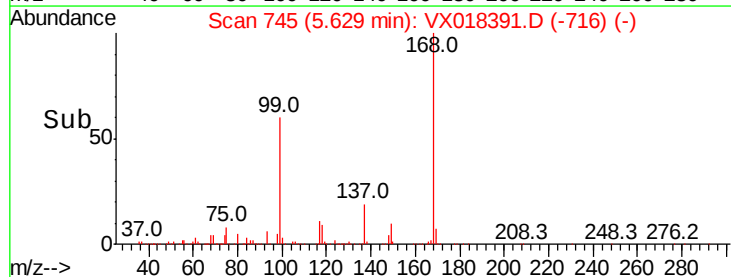
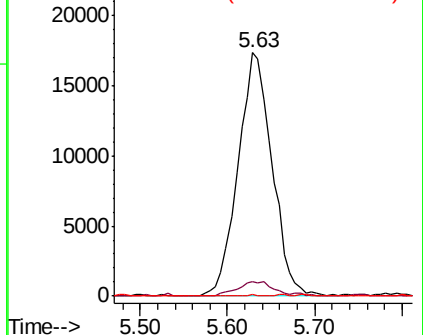
121 0.8 23.4 35.0#

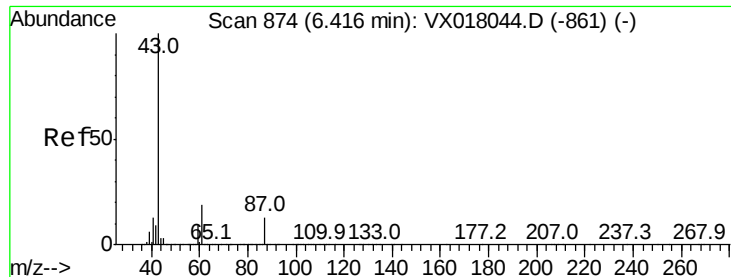


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



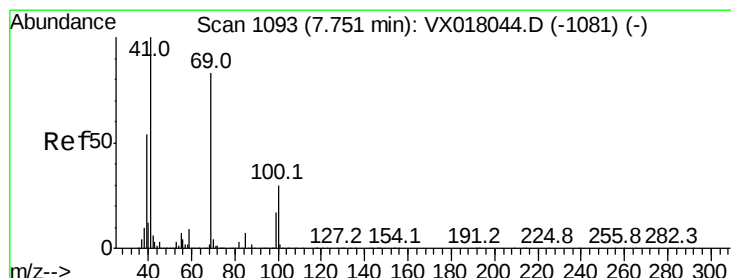
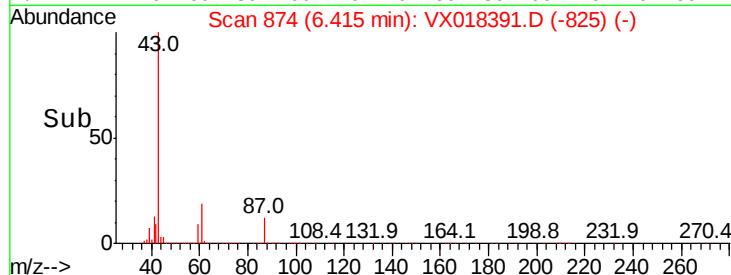
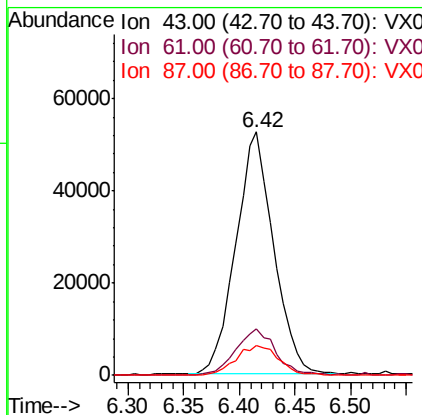
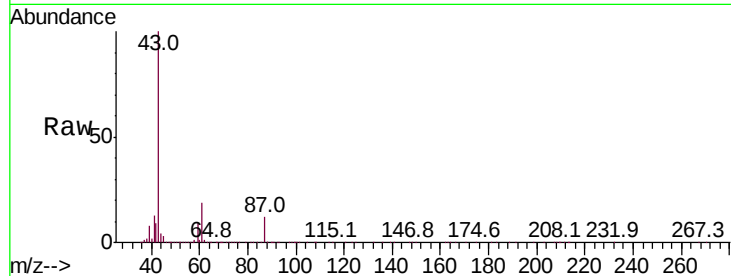


#43

Isopropyl Acetate
 Concen: 9.949 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018391.D
 Acq: 14 Sep 2020 18:07

Instrument :
 MSVOA_X
 ClientSampleId :

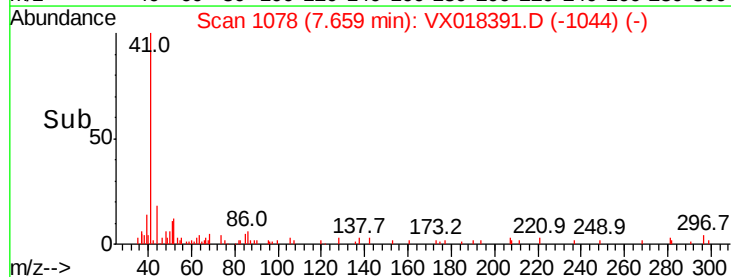
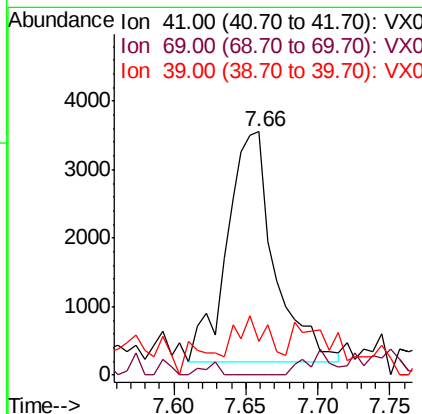
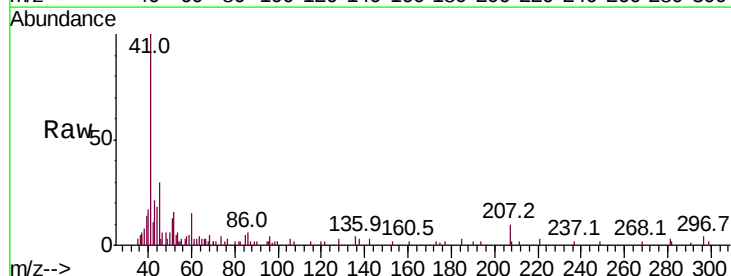
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.7	23.5
87	13.8	10.3	15.5

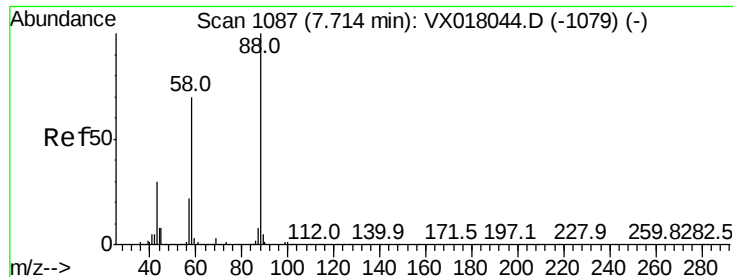


#48

Methyl methacrylate
 Concen: 1.251 ug/l
 RT: 7.66 min Scan# 1078
 Delta R.T. -0.09 min
 Lab File: VX018391.D
 Acq: 14 Sep 2020 18:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.5	98.3#
39	0.0	44.5	66.7#

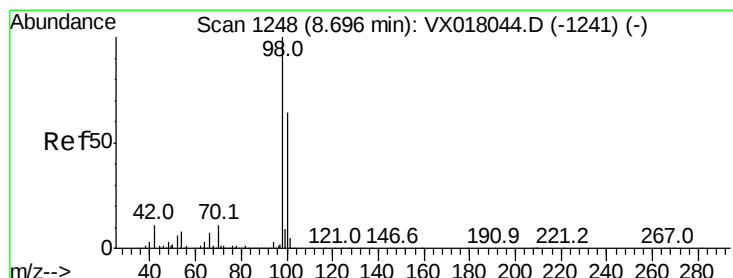
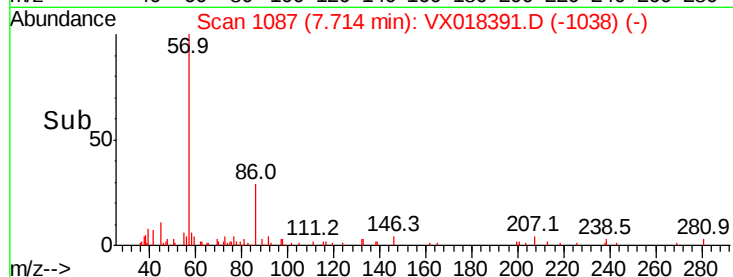
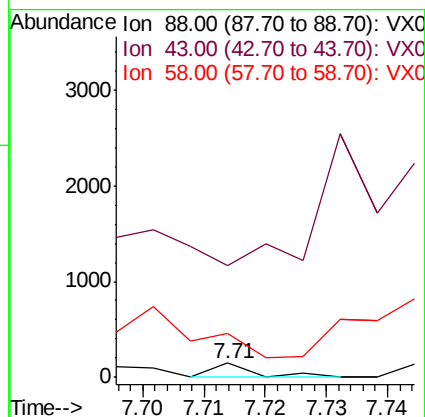
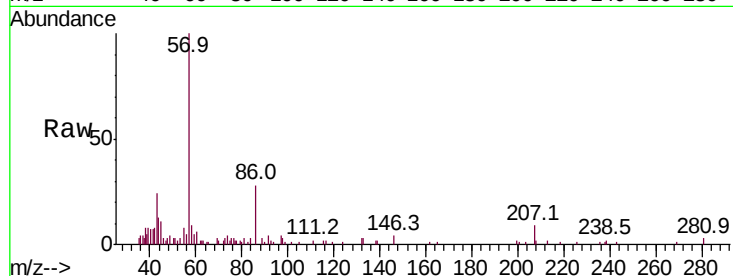




#49
1,4-Dioxane
Concen: 0.659 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

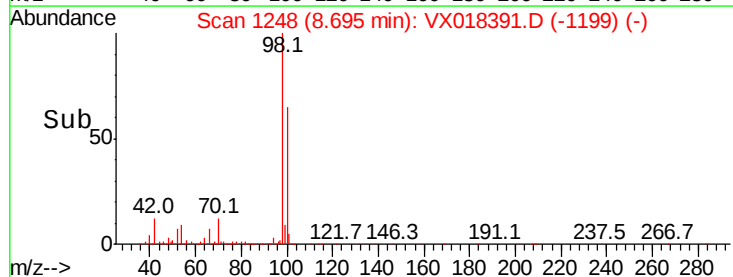
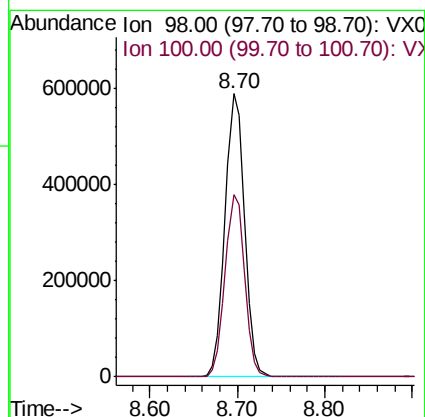
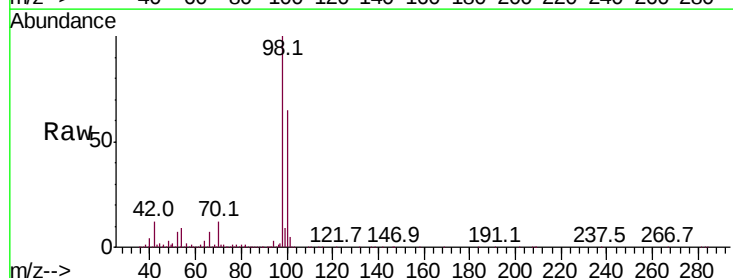
Instrument :
MSVOA_X
ClientSampleId :

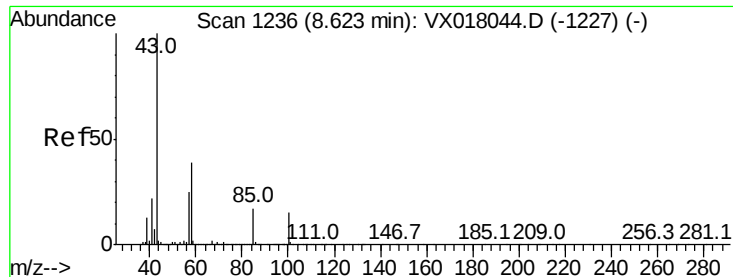
Tot Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion: 98 Resp: 912479
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.316 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

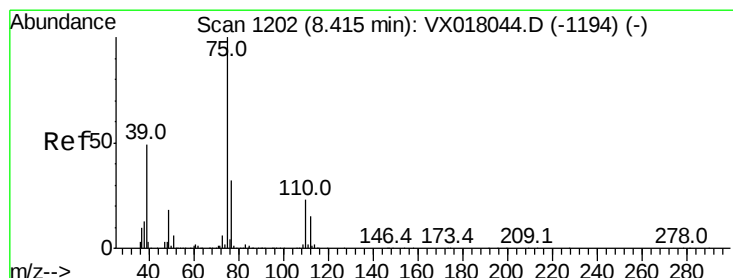
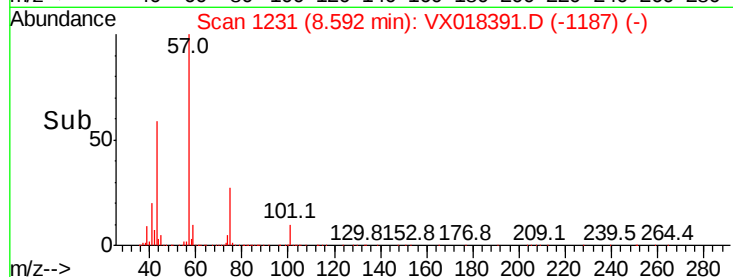
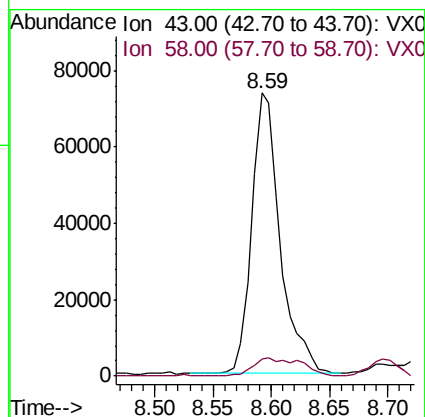
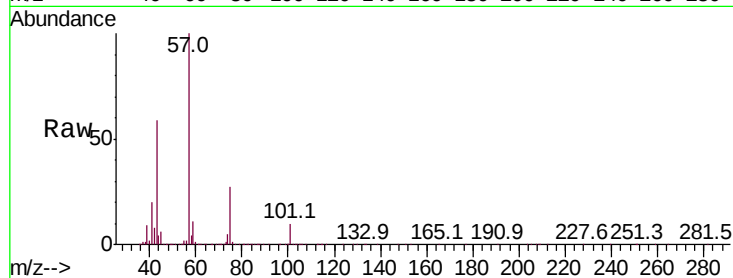
ClientSampleId :

Tot Ion: 43 Resp: 125554

Ion Ratio Lower Upper

43 100

58 11.1 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.807 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

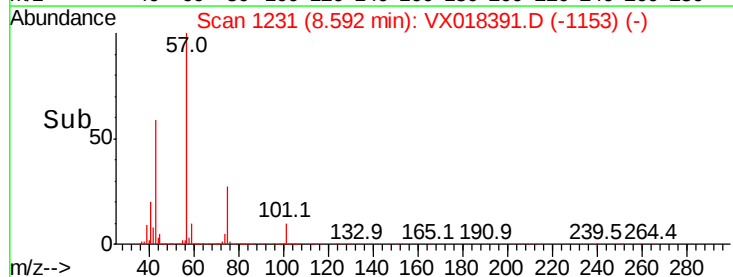
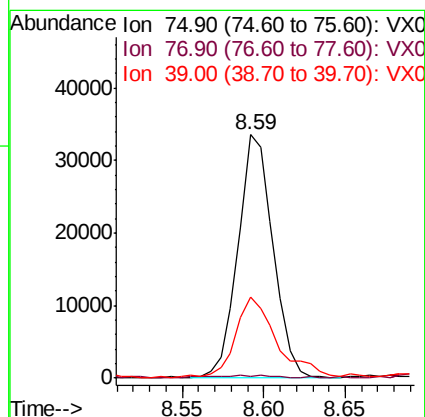
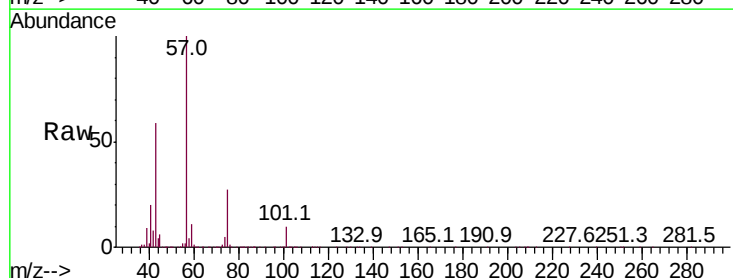
Tgt Ion: 75 Resp: 50344

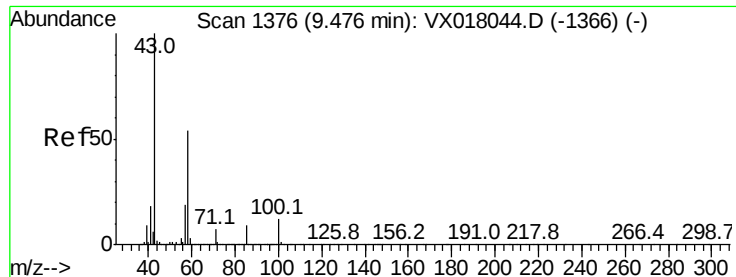
Ion Ratio Lower Upper

75 100

77 0.2 25.8 38.8#

39 32.6 38.8 58.2#

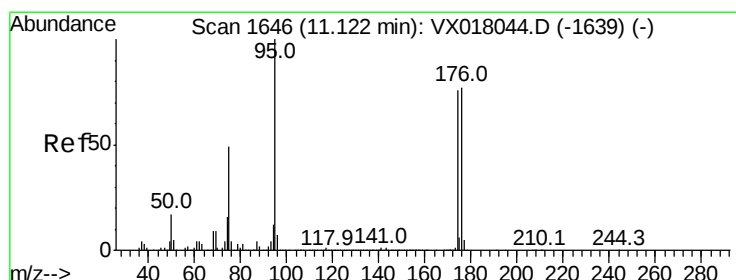
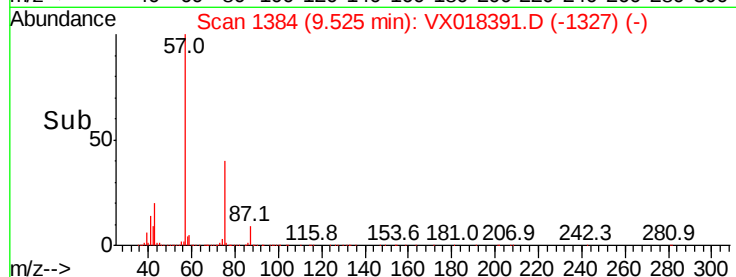
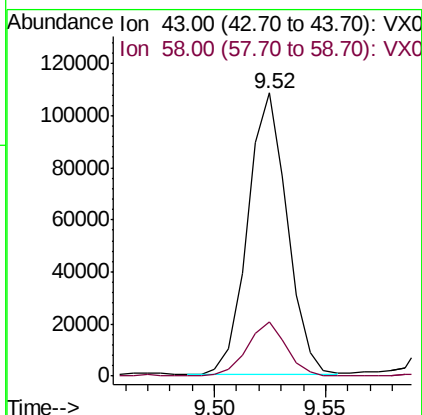
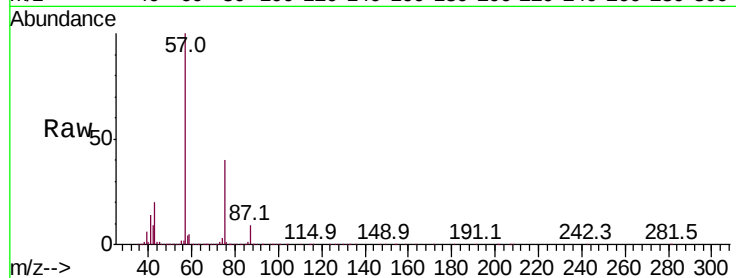




#59
2-Hexanone
Concen: 22.867 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

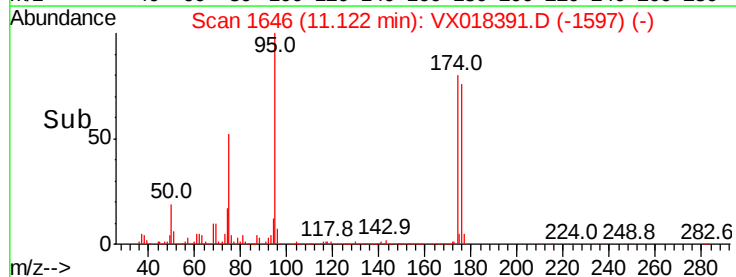
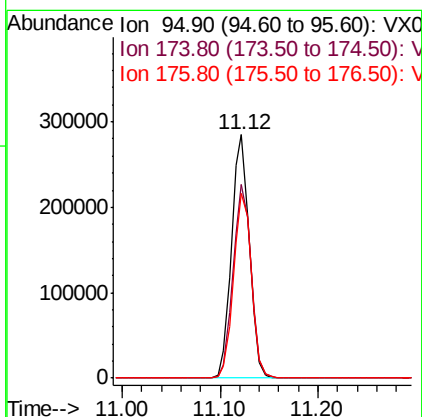
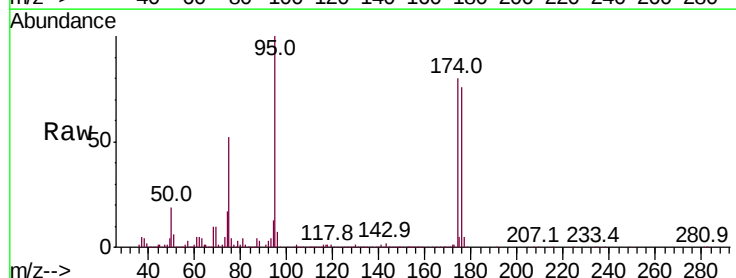
Instrument :
MSVOA_X
ClientSampleId :

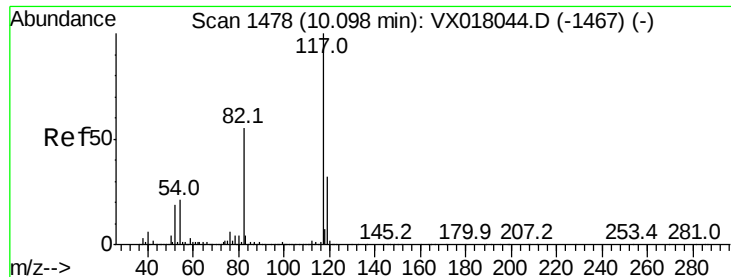
Tot Ion: 43 Resp: 133801
Ion Ratio Lower Upper
43 100
58 18.9 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 50.138 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion: 95 Resp: 360261
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.2
176 76.2 0.0 155.8

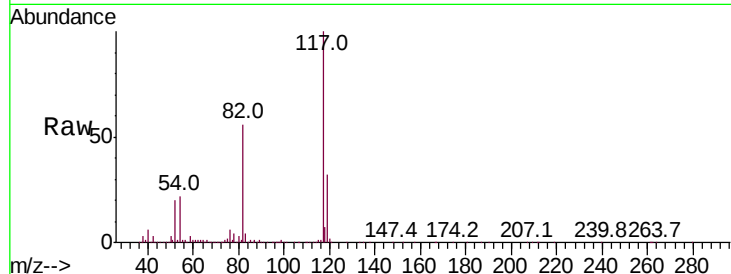




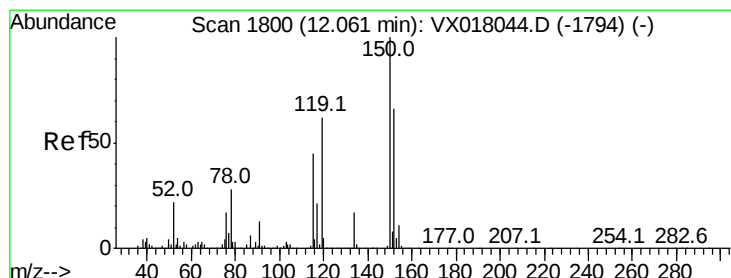
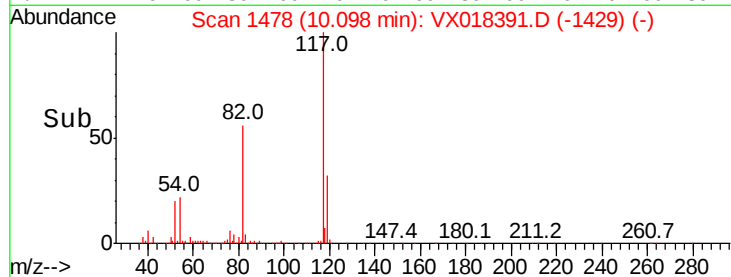
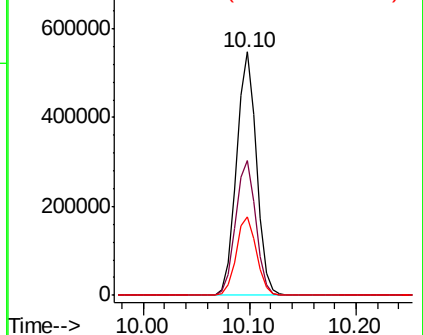
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.2	66.2
119	32.0	25.7	38.5

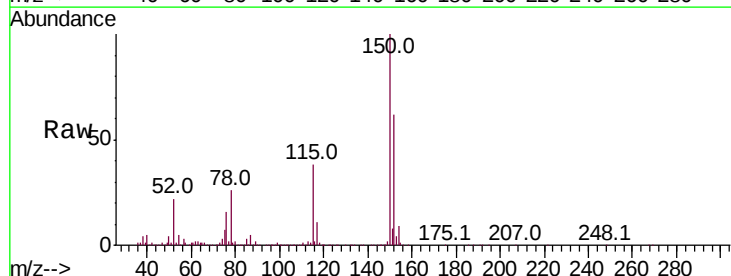


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

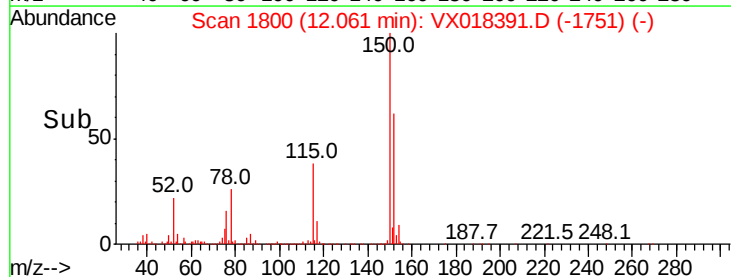
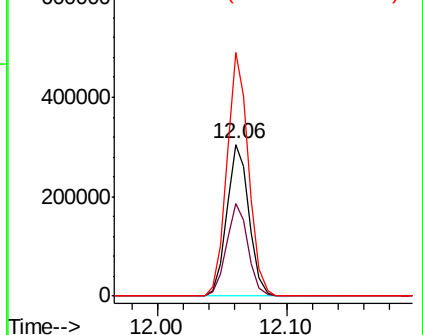


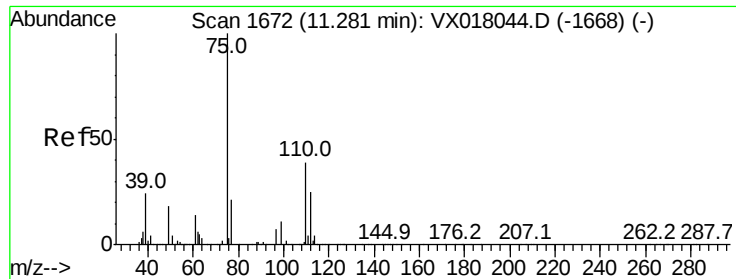
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.5	124.5
150	156.4	0.0	343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.755 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018391.D

Acq: 14 Sep 2020 18:07

Instrument :

MSVOA_X

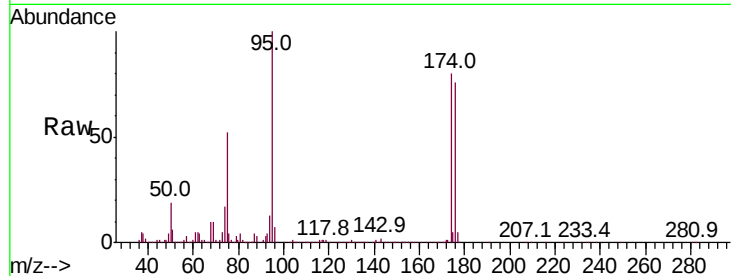
ClientSampleId :

Tot Ion: 75 Resp: 187308

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

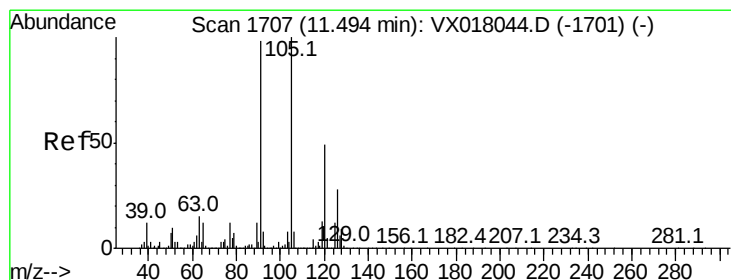
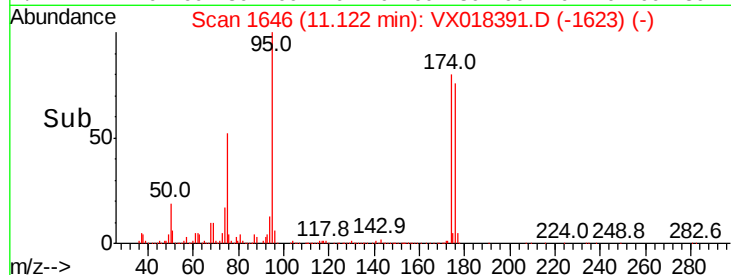
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.354 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018391.D

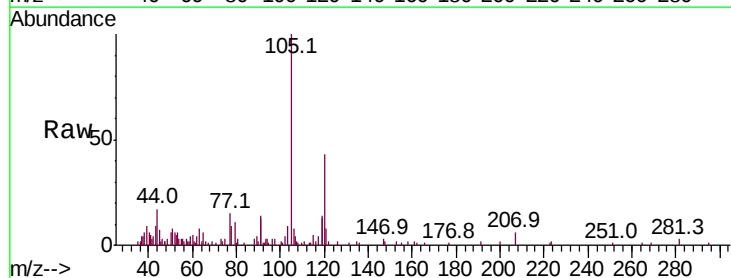
Acq: 14 Sep 2020 18:07

Tgt Ion:105 Resp: 7105

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

6000

5000

4000

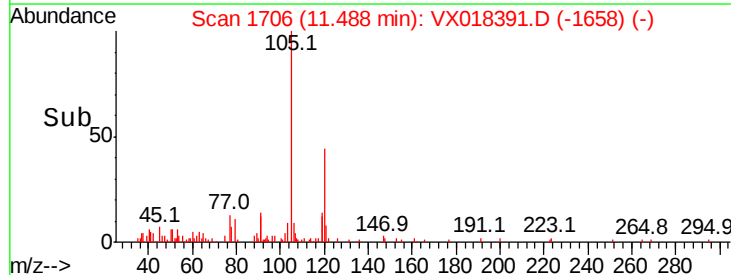
3000

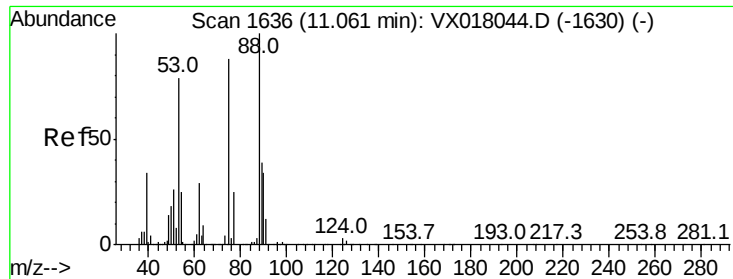
2000

1000

0

Time-->

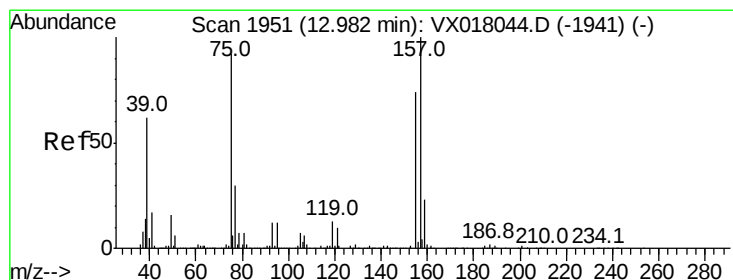
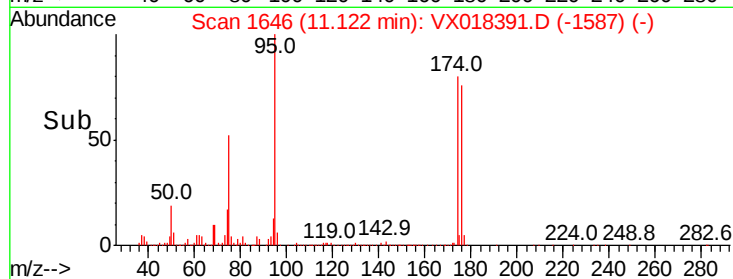
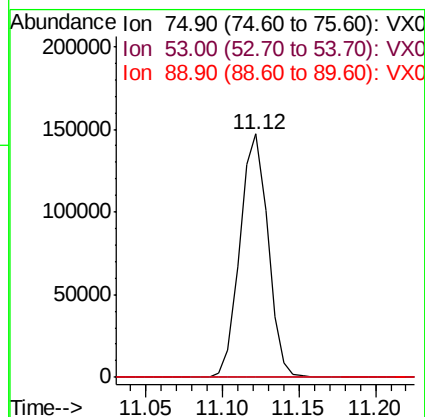
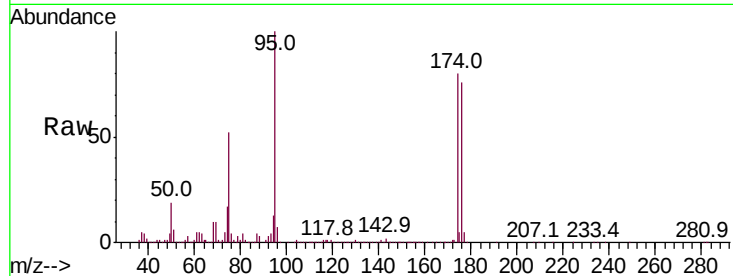




#81
trans-1,4-Dichloro-2-butene
Concen: 61.457 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 187308
Ion Ratio Lower Upper
75 100
53 0.3 74.7 112.1#
89 0.0 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.239 ug/l
RT: 12.96 min Scan# 1948
Delta R.T. -0.02 min
Lab File: VX018391.D
Acq: 14 Sep 2020 18:07

Tgt Ion: 75 Resp: 515
Ion Ratio Lower Upper
75 100
155 8.0 40.2 120.6#
157 15.0 55.0 165.2#

