

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018397.D
 Acq On : 14 Sep 2020 20:23
 Operator : JC/SP
 Sample : L3993-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:13:05 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	436824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	702971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	698681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	336142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	316810	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	5.46	113	242437	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	8.70	98	885522	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.12	95	338560	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

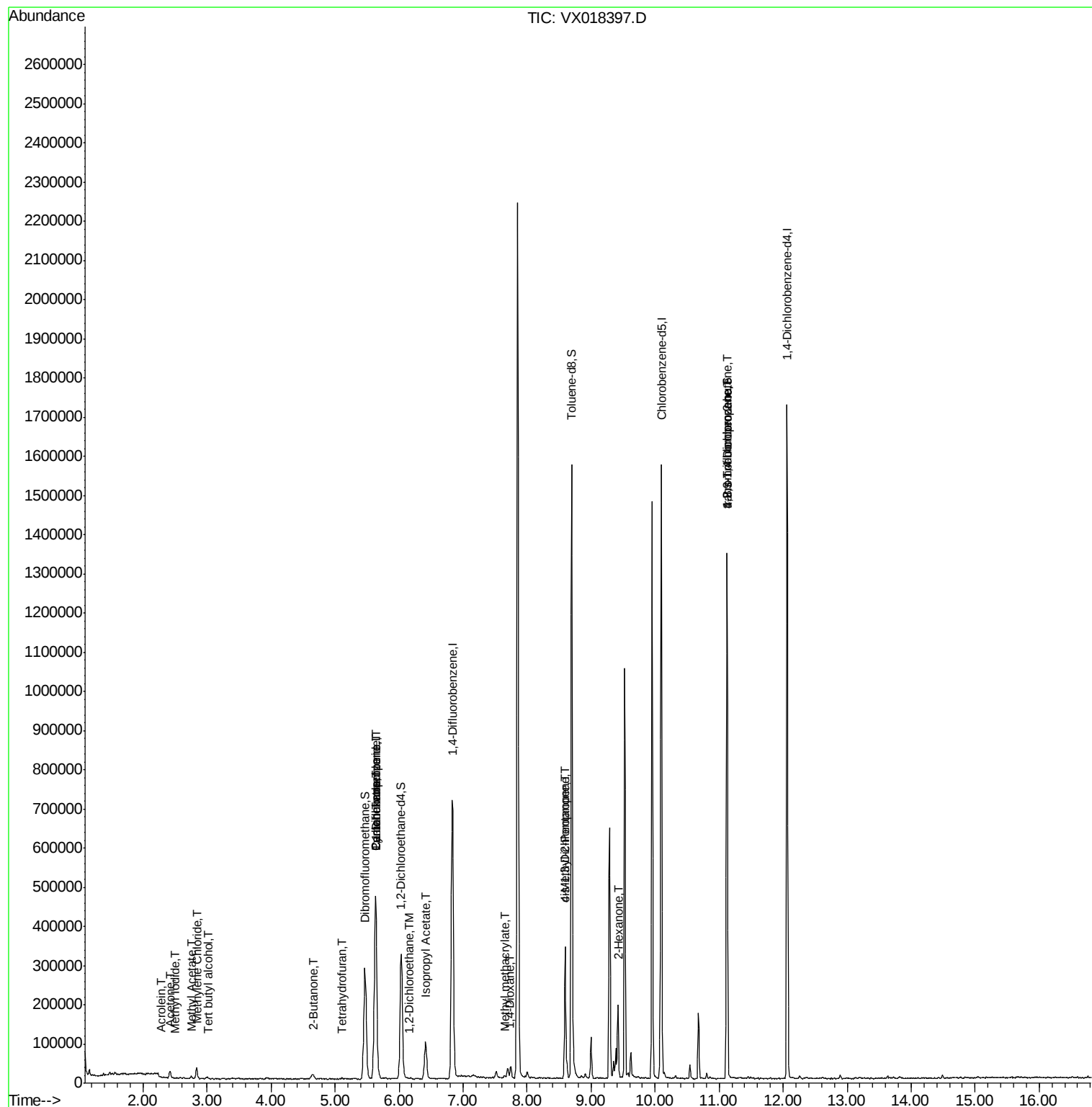
					Qvalue	
10) Methyl Iodide	2.49	142	422	5.372	ug/l #	71
11) Tert butyl alcohol	3.02	59	3258	2.763	ug/l #	94
13) Acrolein	2.28	56	444	0.908	ug/l	100
16) Acetone	2.42	43	22738	9.623	ug/l	94
18) Methyl Acetate	2.75	43	6912	1.212	ug/l #	78
20) Methylene Chloride	2.84	84	12842	1.526	ug/l	99
25) 2-Butanone	4.66	43	5184	1.335	ug/l #	85
29) Tetrahydrofuran	5.10	42	516	0.209	ug/l #	1
31) Cyclohexane	5.63	56	10141	1.397	ug/l #	45
36) 1,1-Dichloropropene	5.64	75	34067	5.254	ug/l #	51
38) Carbon Tetrachloride	5.64	117	47481	6.498	ug/l #	18
42) 1,2-Dichloroethane	6.15	62	1630	0.223	ug/l	95
43) Isopropyl Acetate	6.42	43	127341	10.469	ug/l	98
48) Methyl methacrylate	7.65	41	6633	1.095	ug/l #	15
49) 1,4-Dioxane	7.72	88	349	3.182	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	122990	16.369	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	51394	6.071	ug/l #	63
59) 2-Hexanone	9.42	43	122351	21.416	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	175632	23.488	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175632	63.436	ug/l #	12

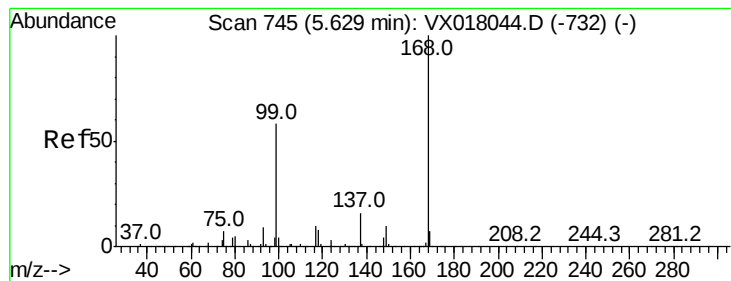
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091420\
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Quant Time: Sep 15 05:13:05 2020
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

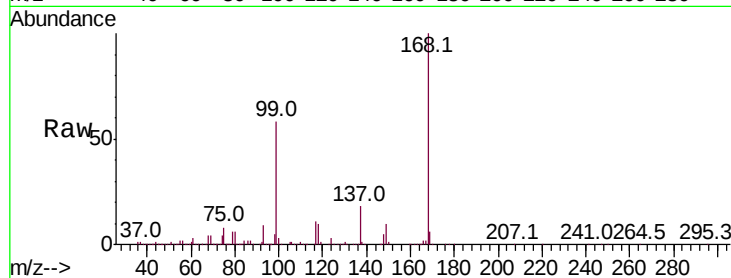
ClientSampleId :

Tot Ion:168 Resp: 436824

Ion Ratio Lower Upper

168 100

99 57.7 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

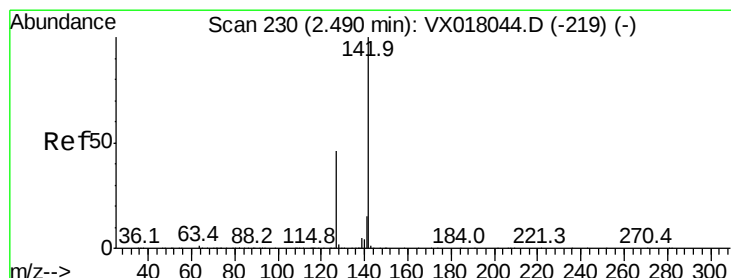
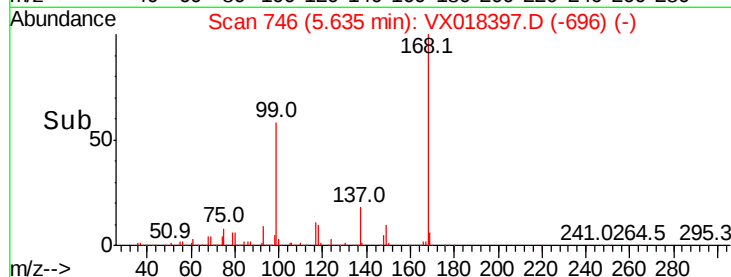
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.372 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

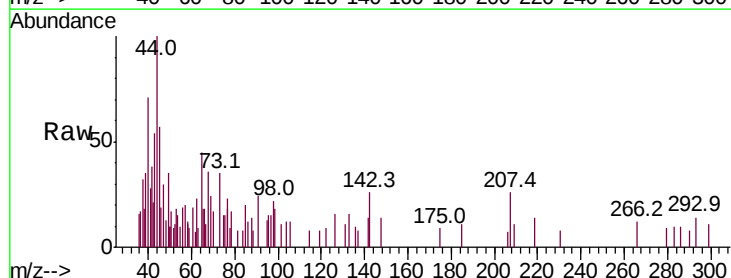
Tgt Ion:142 Resp: 422

Ion Ratio Lower Upper

142 100

127 25.4 37.0 55.6#

141 5.5 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

400

300

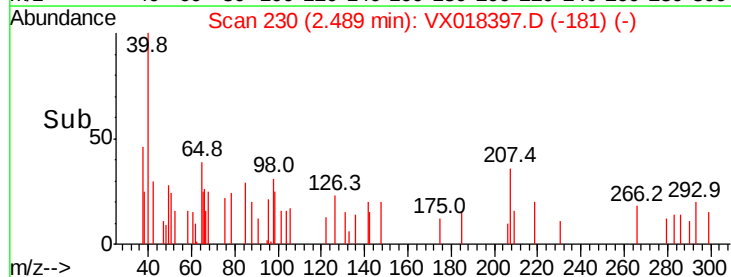
200

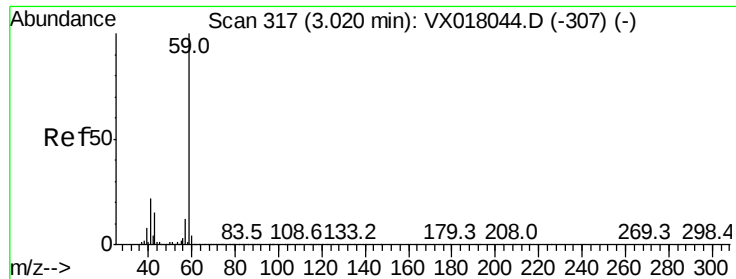
100

0

Time-->

2.45 2.50



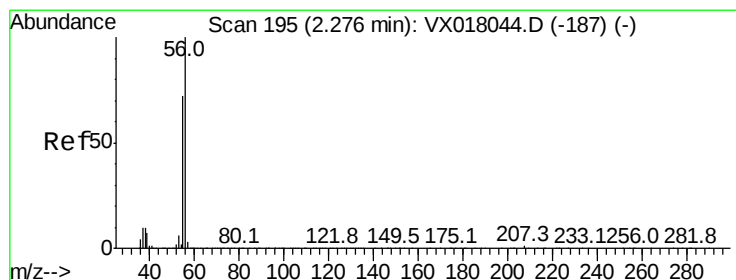
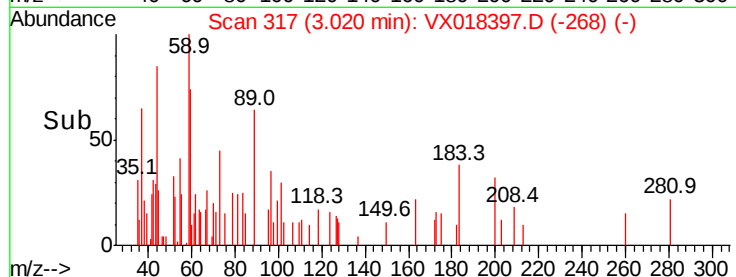
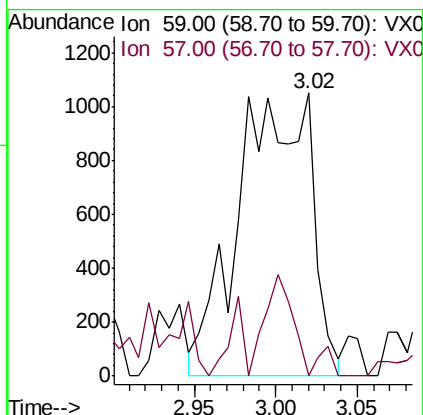
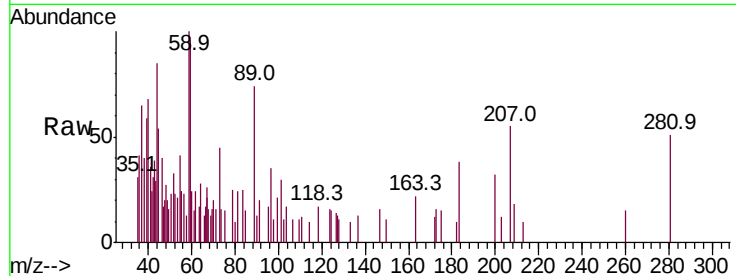


#11

Tert butyl alcohol
 Concen: 2.763 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX018397.D
 Acq: 14 Sep 2020 20:23

Instrument :
 MSVOA_X
 ClientSampled :

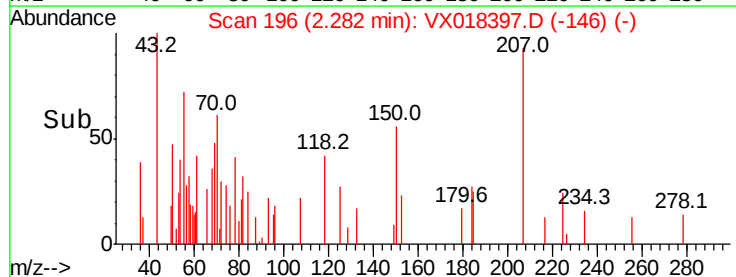
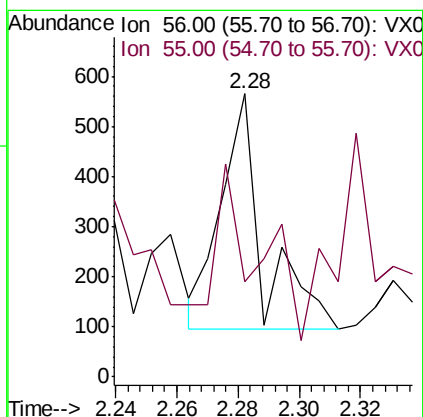
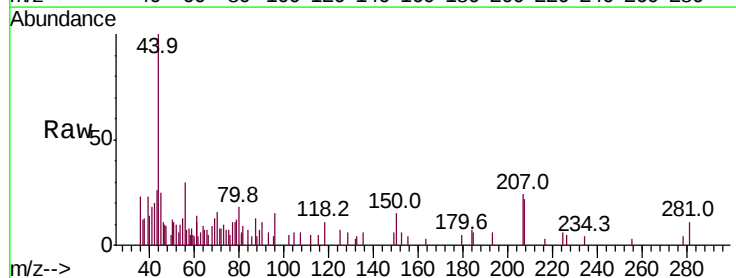
Tot Ion: 59 Resp: 3258
 Ion Ratio Lower Upper
 59 100
 57 13.6 8.9 13.3#

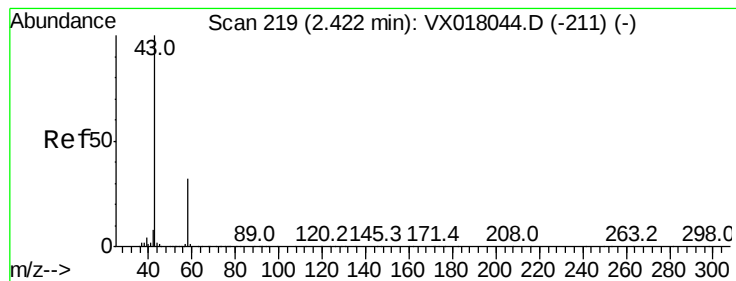


#13

Acrolein
 Concen: 0.908 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX018397.D
 Acq: 14 Sep 2020 20:23

Tgt Ion: 56 Resp: 444
 Ion Ratio Lower Upper
 56 100
 55 71.4 57.0 85.6





#16

Acetone

Concen: 9.623 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

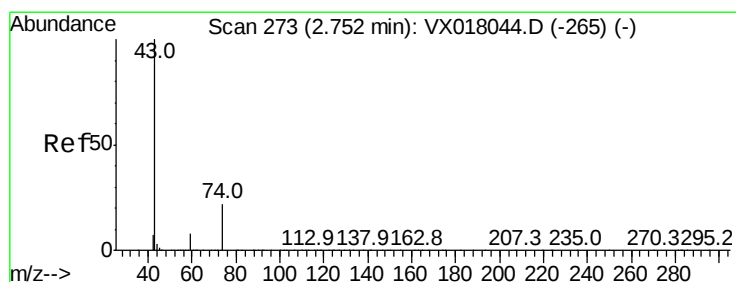
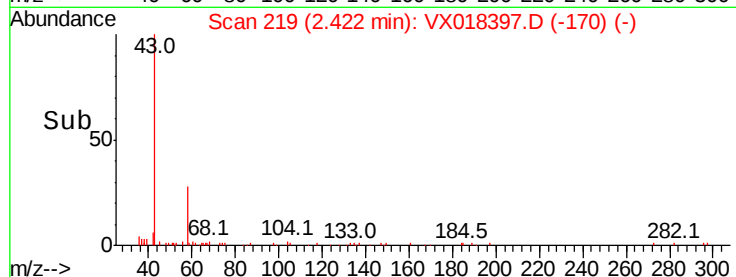
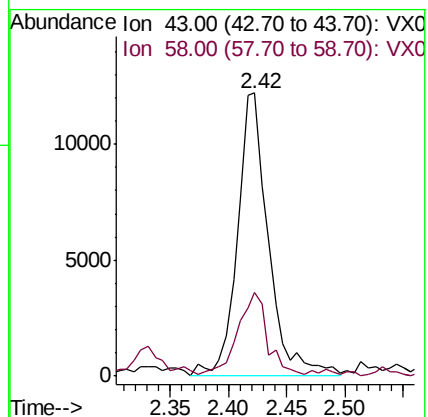
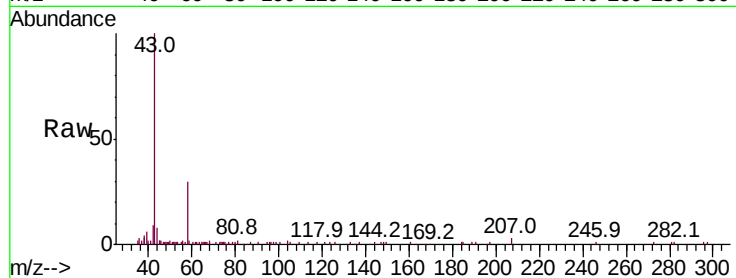
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 22738

Ion Ratio Lower Upper

43 100

58 28.7 25.5 38.3



#18

Methyl Acetate

Concen: 1.212 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018397.D

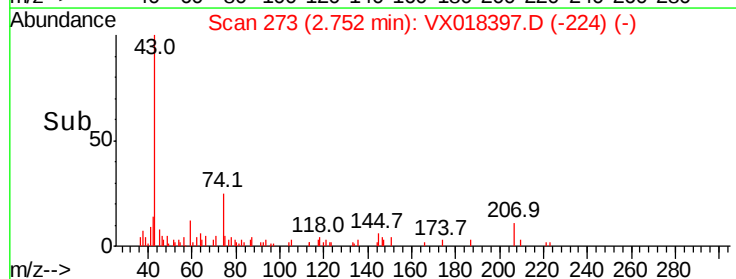
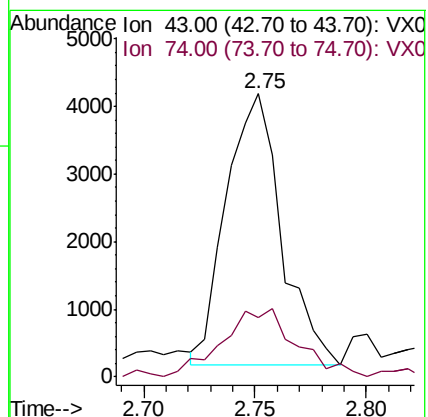
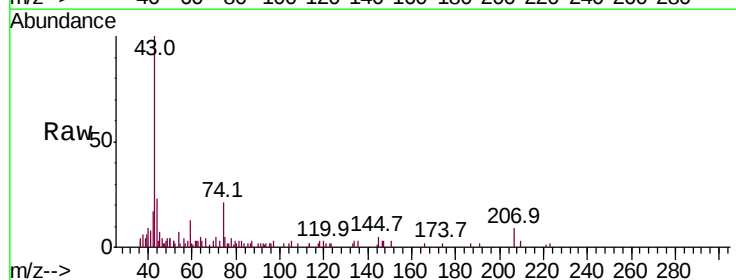
Acq: 14 Sep 2020 20:23

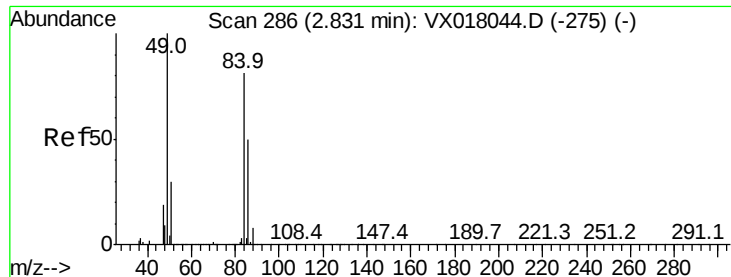
Tgt Ion: 43 Resp: 6912

Ion Ratio Lower Upper

43 100

74 33.7 18.2 27.4#

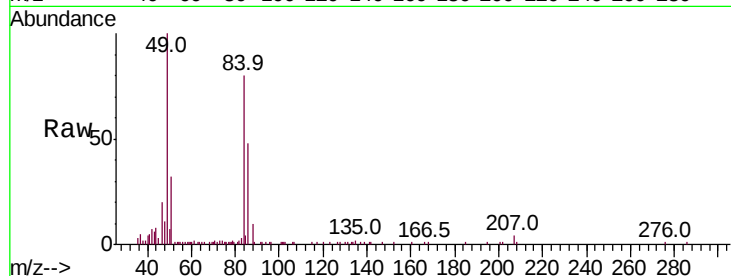




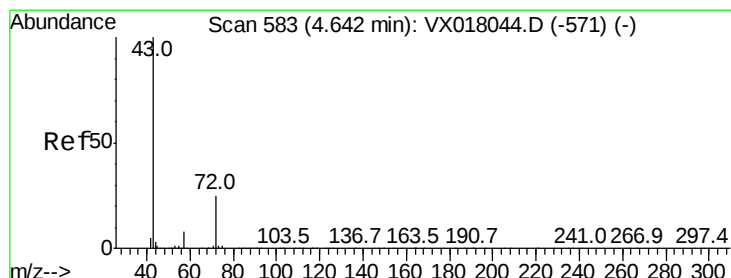
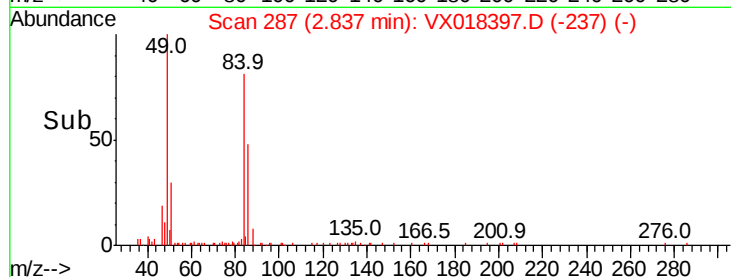
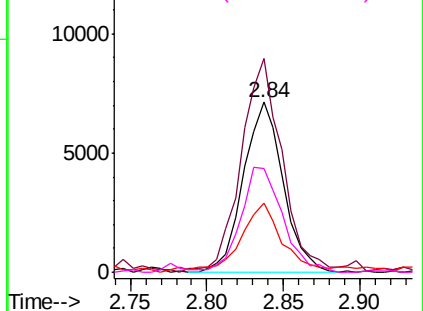
#20
Methvlene Chloride
Concen: 1.526 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 12842
Ion Ratio Lower Upper
84 100
49 123.2 98.6 148.0
51 39.0 29.6 44.4
86 61.0 49.8 74.6

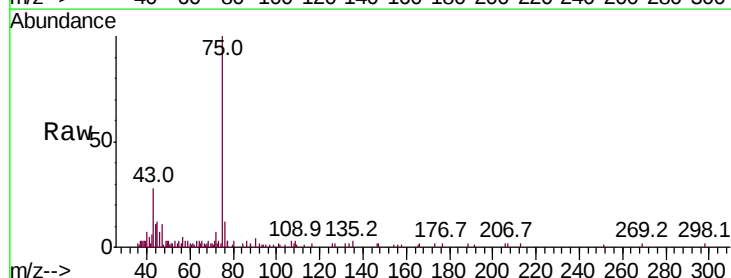


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

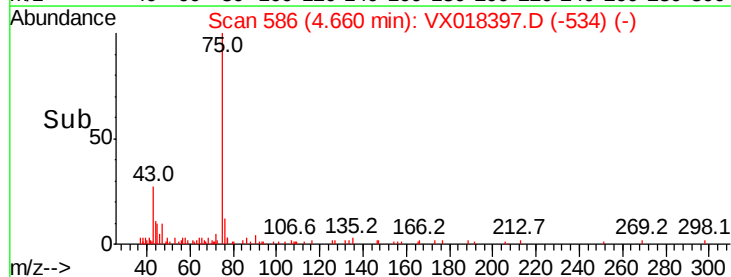
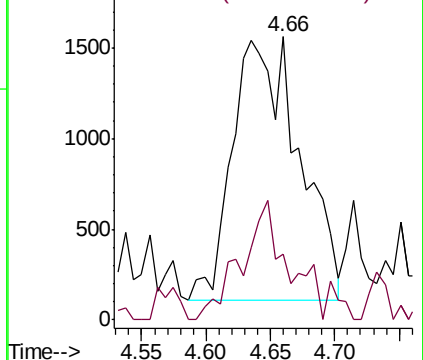


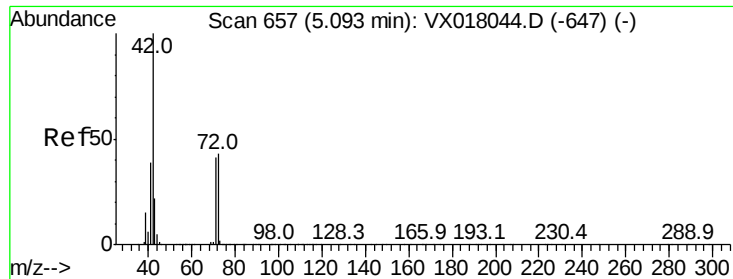
#25
2-Butanone
Concen: 1.335 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

Tgt Ion: 43 Resp: 5184
Ion Ratio Lower Upper
43 100
72 32.1 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

ClientSampled :

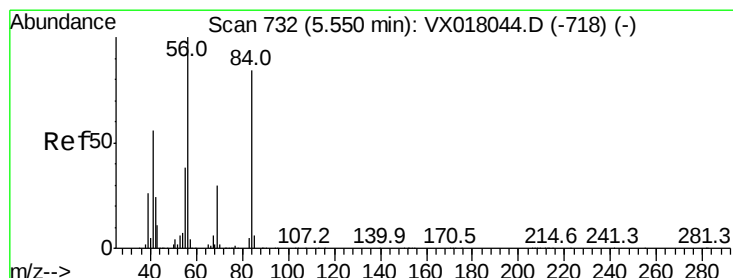
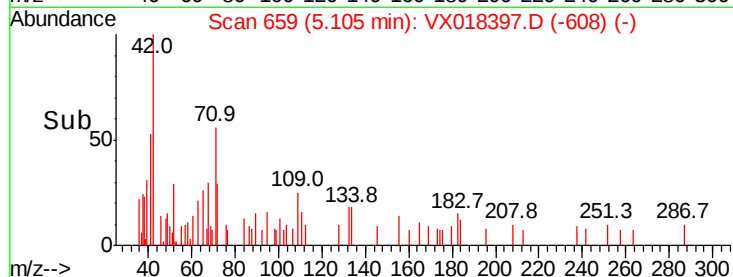
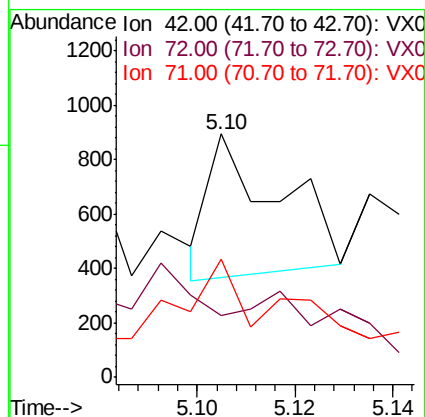
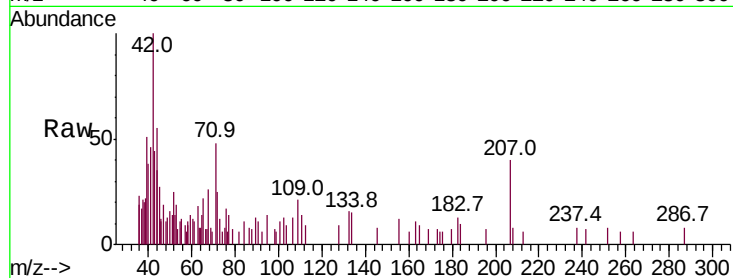
Tot Ion: 42 Resp: 516

Ion Ratio Lower Upper

42 100

72 126.2 34.2 51.4#

71 168.4 32.1 48.1#



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

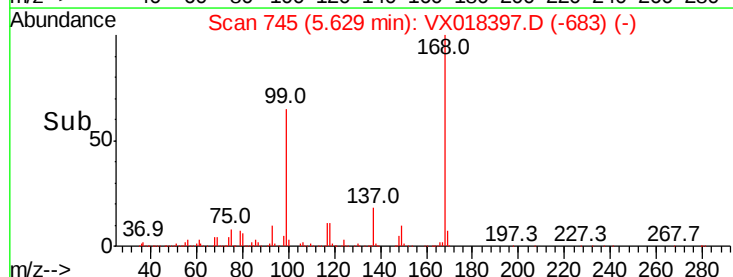
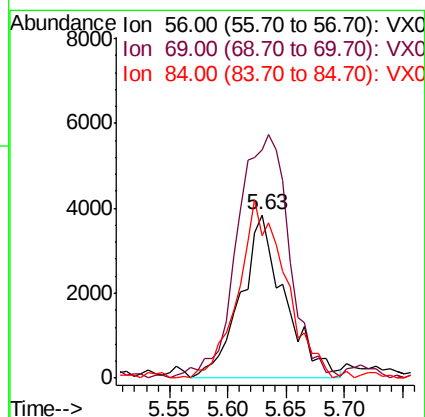
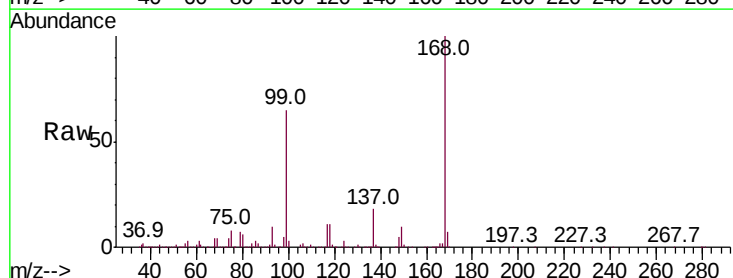
Tgt Ion: 56 Resp: 10141

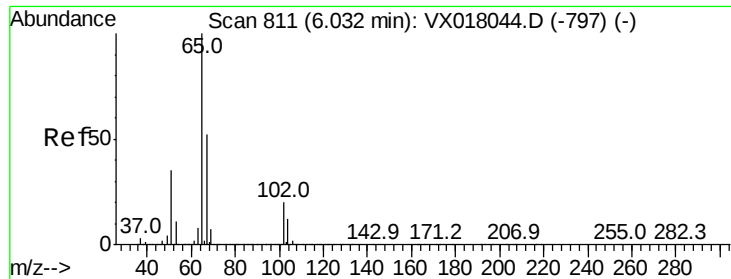
Ion Ratio Lower Upper

56 100

69 136.5 23.9 35.9#

84 87.1 67.0 100.4





#33

1,2-Dichloroethane-d4

Concen: 52.242 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

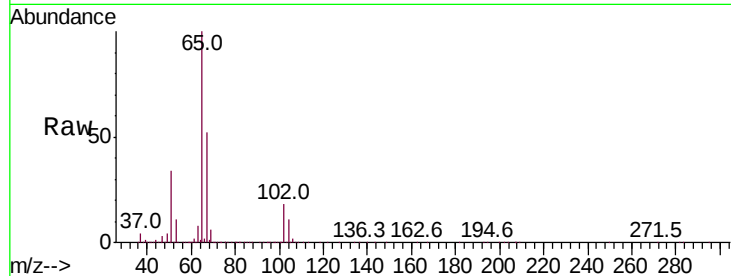
ClientSampled :

Tot Ion: 65 Resp: 316810

Ion Ratio Lower Upper

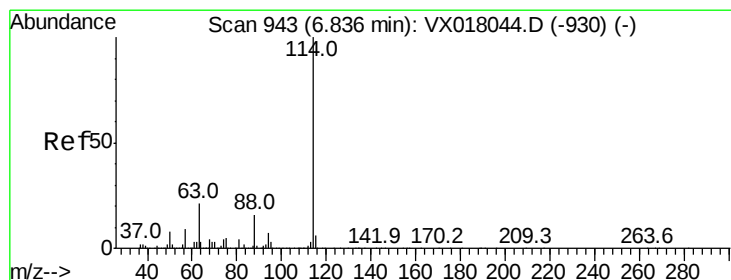
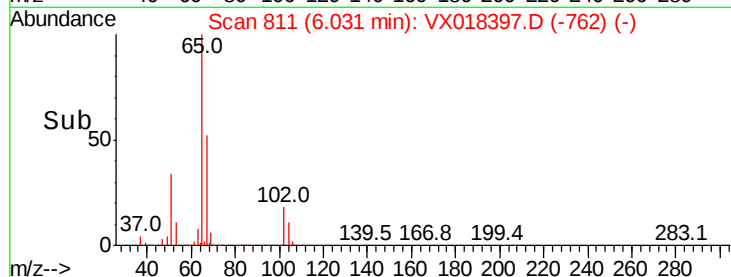
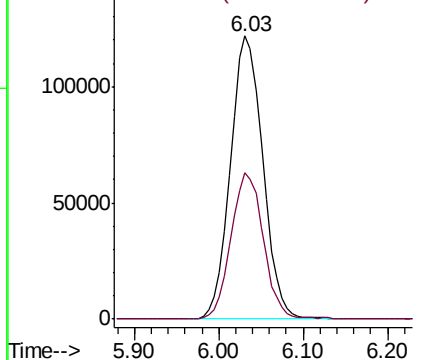
65 100

67 51.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

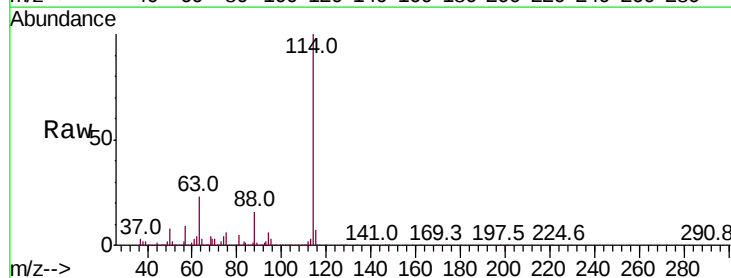
Tgt Ion:114 Resp: 702971

Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.6

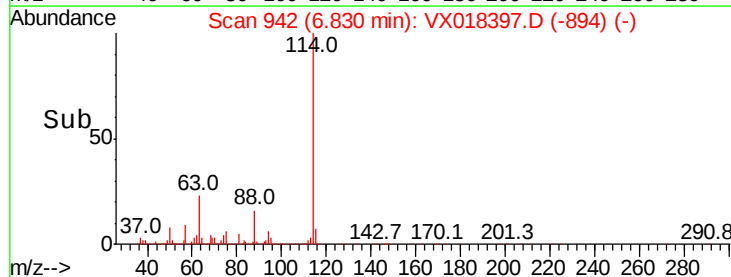
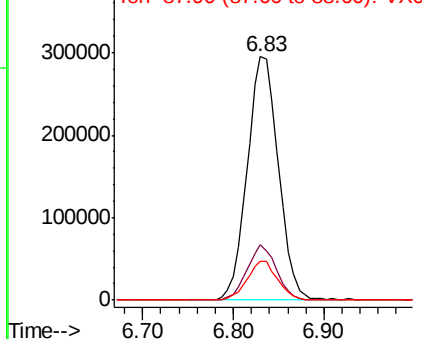
88 15.8 0.0 31.8

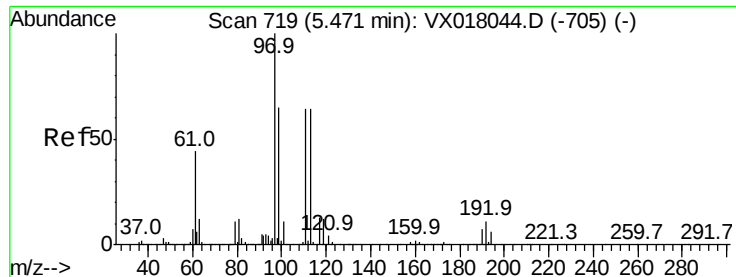


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.639 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :

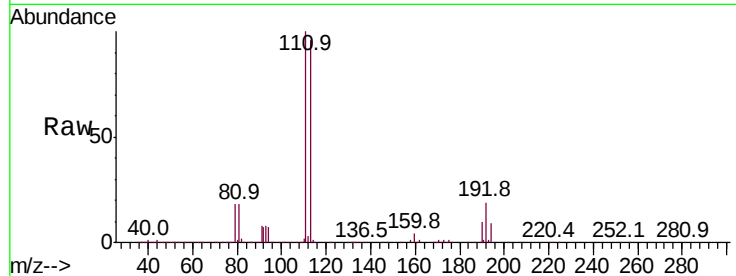
Tot Ion:113 Resp: 242437

Ion Ratio Lower Upper

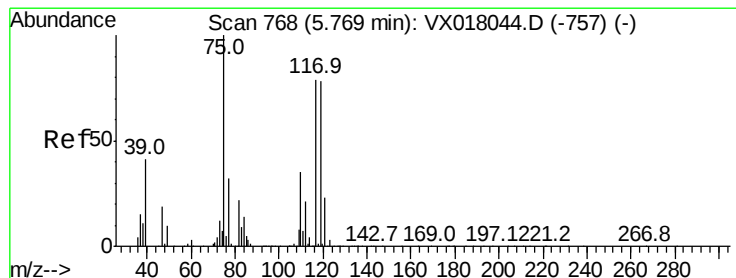
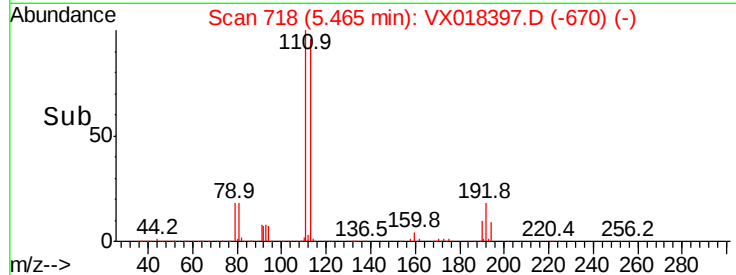
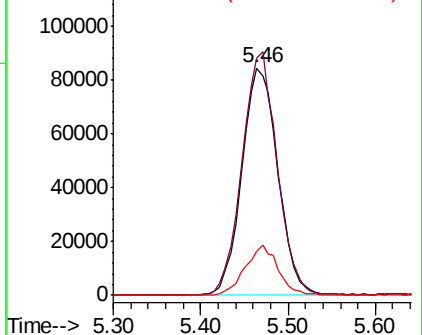
113 100

111 104.4 81.6 122.4

192 20.0 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: 5.254 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

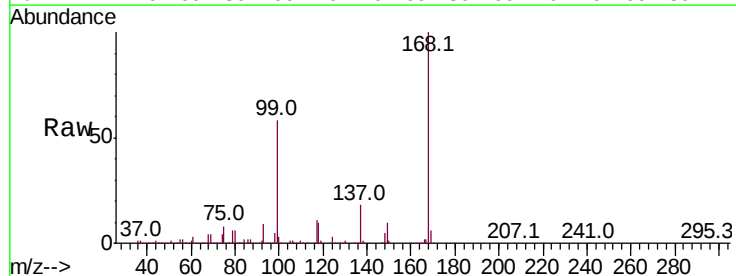
Tgt Ion: 75 Resp: 34067

Ion Ratio Lower Upper

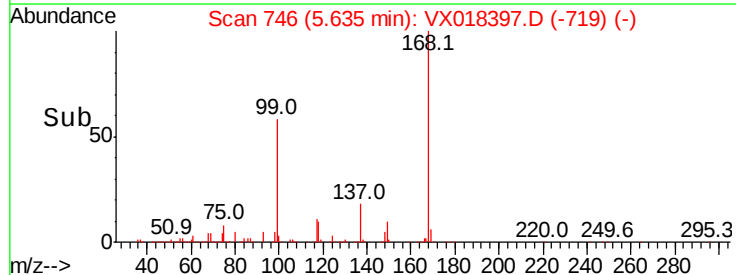
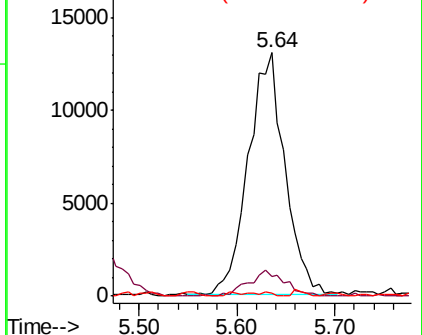
75 100

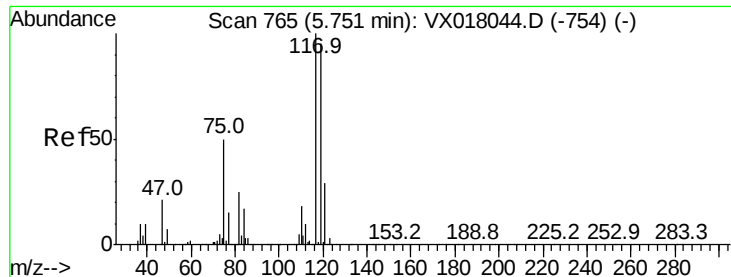
110 10.7 18.0 54.0#

77 0.0 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: 6.498 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

ClientSampled :

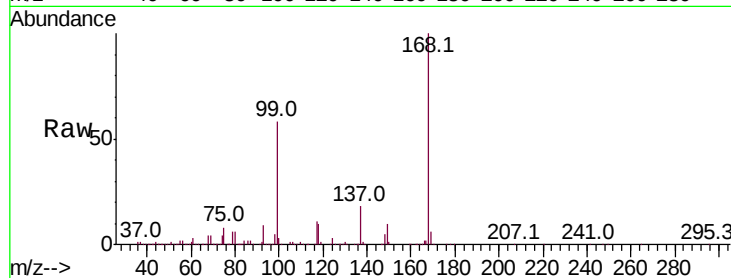
Tot Ion:117 Resp: 47481

Ion Ratio Lower Upper

117 100

119 7.2 75.8 113.6#

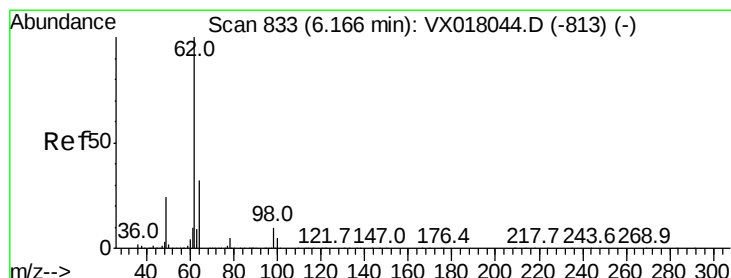
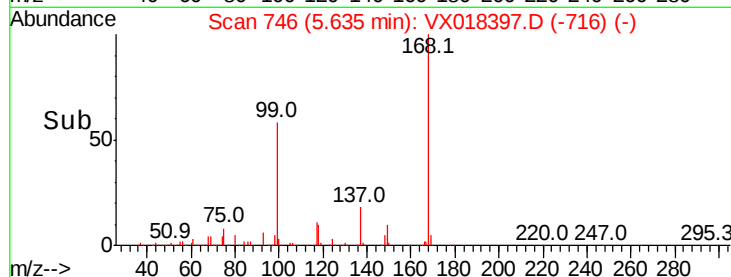
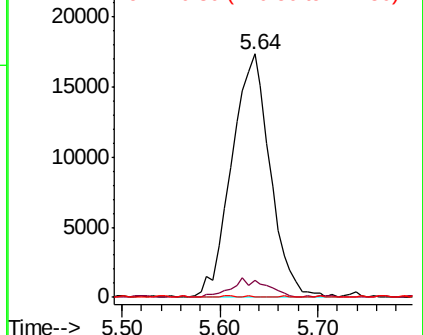
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.223 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX018397.D

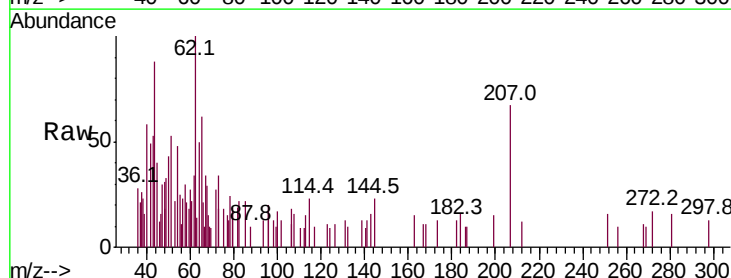
Acq: 14 Sep 2020 20:23

Tgt Ion: 62 Resp: 1630

Ion Ratio Lower Upper

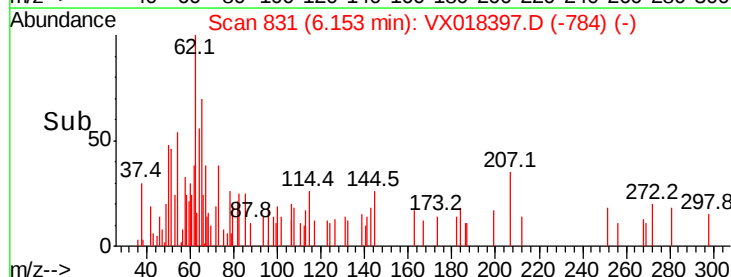
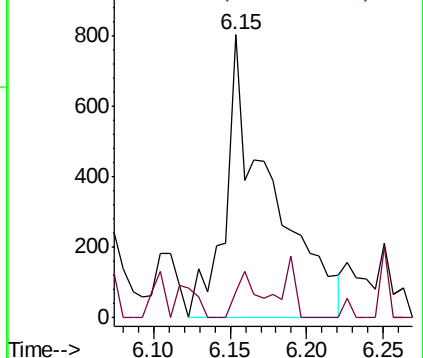
62 100

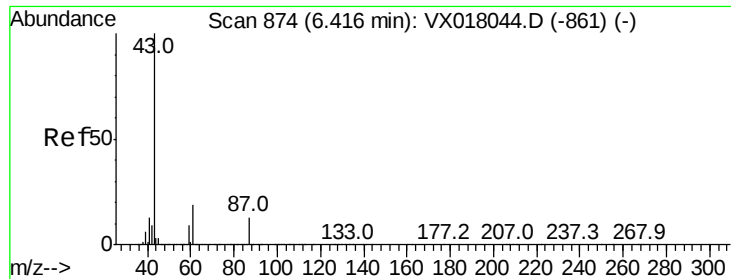
98 7.4 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



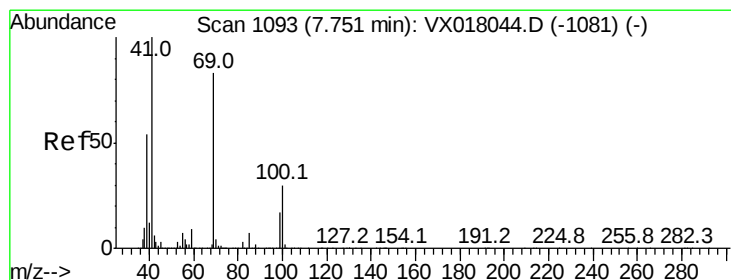
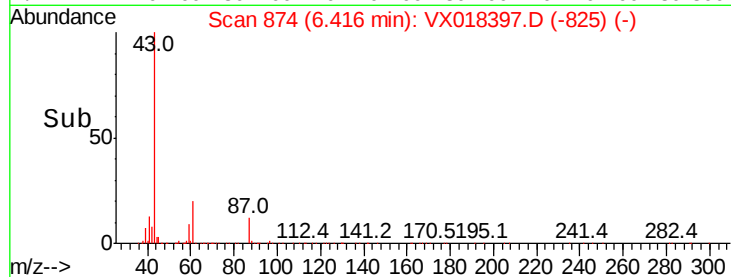
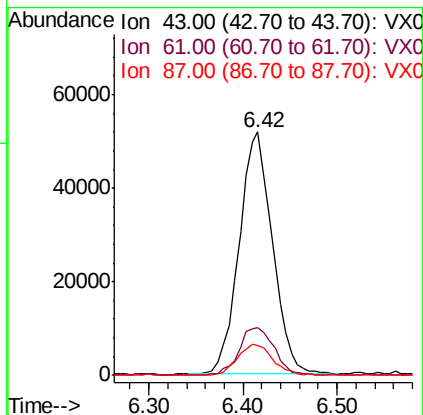
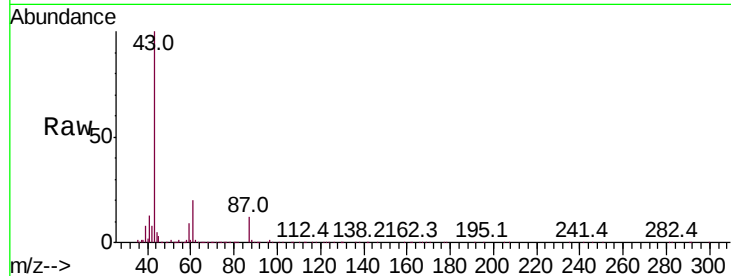


#43

Isopropyl Acetate
 Concen: 10.469 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018397.D
 Acq: 14 Sep 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :

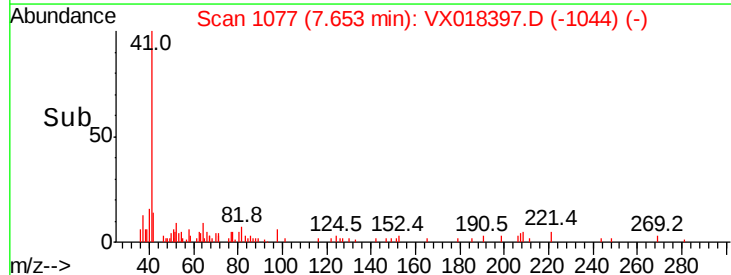
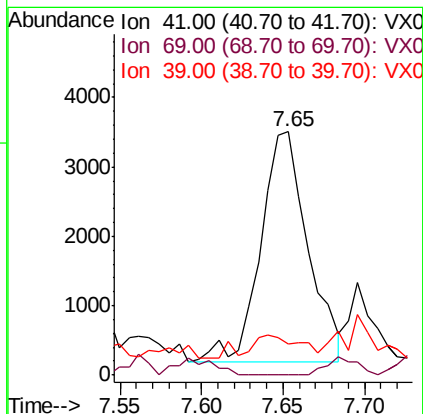
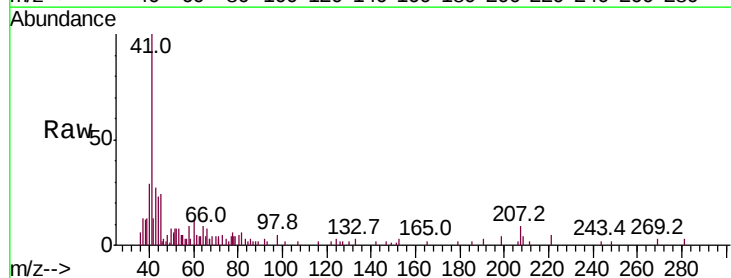
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.7	23.5
87	13.4	10.3	15.5

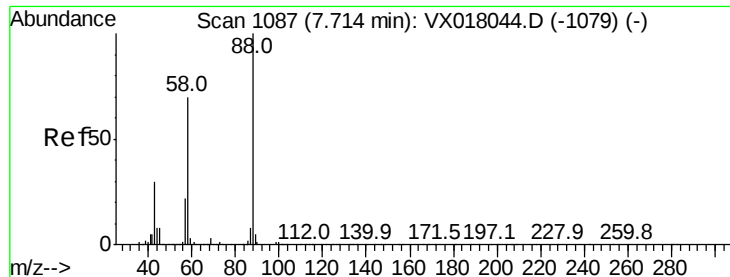


#48

Methyl methacrylate
 Concen: 1.095 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX018397.D
 Acq: 14 Sep 2020 20:23

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: 3.182 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :

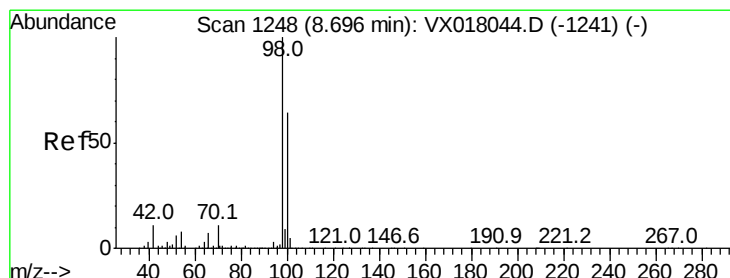
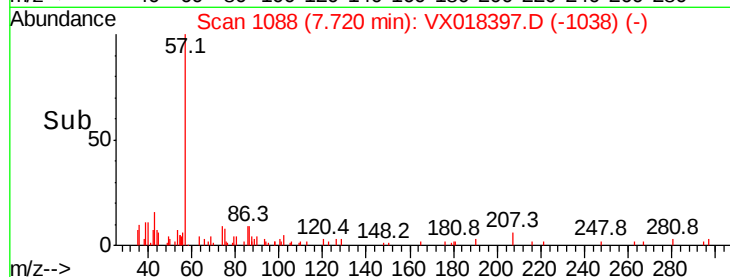
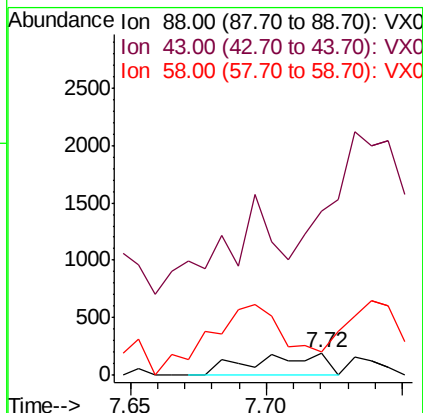
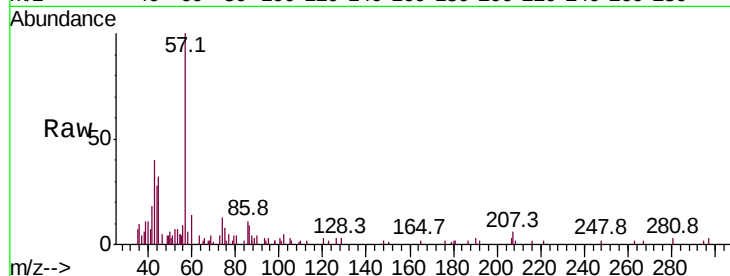
Tot Ion: 88 Resp: 349

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 49.660 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018397.D

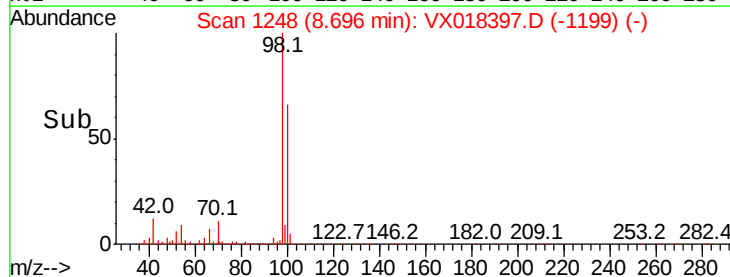
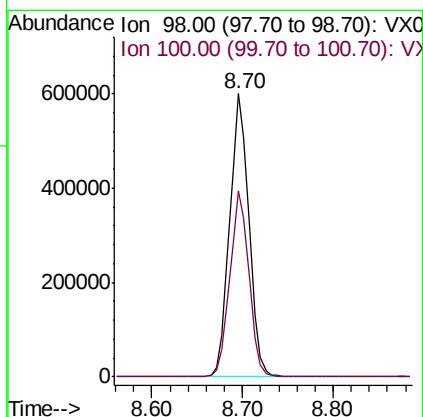
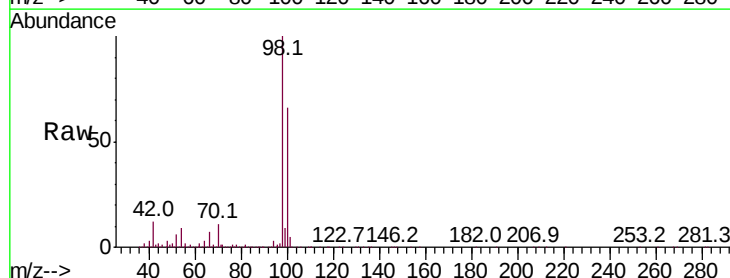
Acq: 14 Sep 2020 20:23

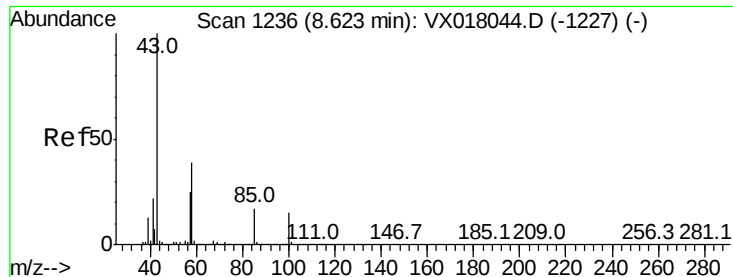
Tgt Ion: 98 Resp: 885522

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.369 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

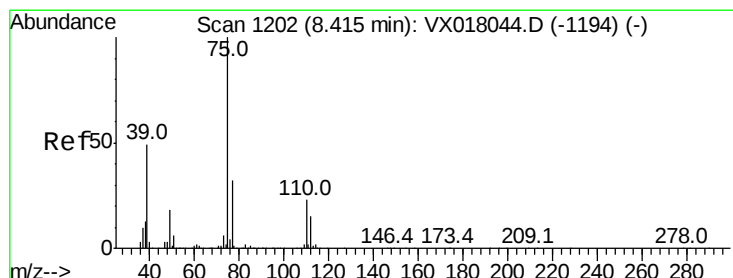
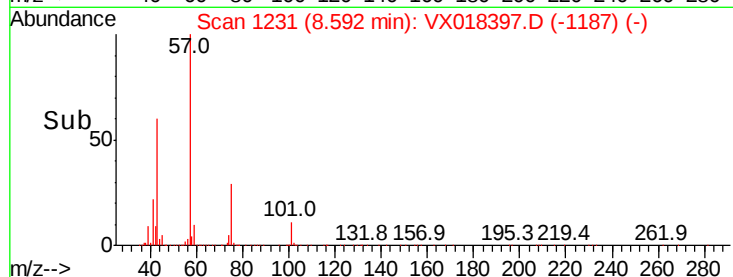
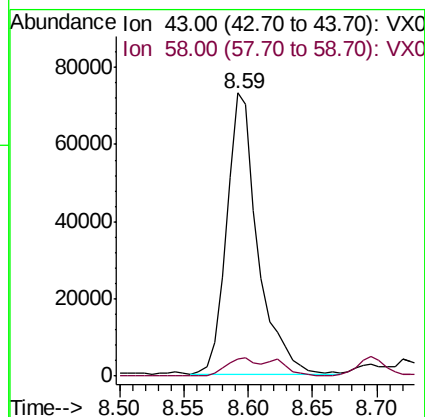
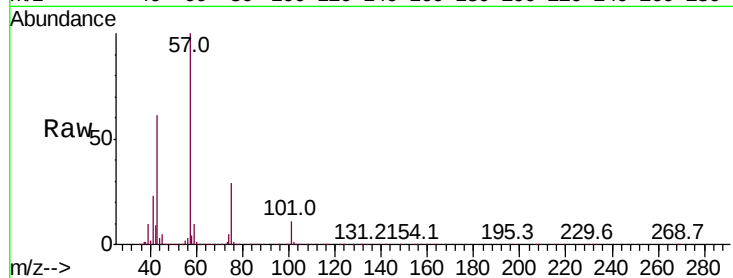
ClientSampleId :

Tot Ion: 43 Resp: 122990

Ion Ratio Lower Upper

43 100

58 6.5 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 6.071 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

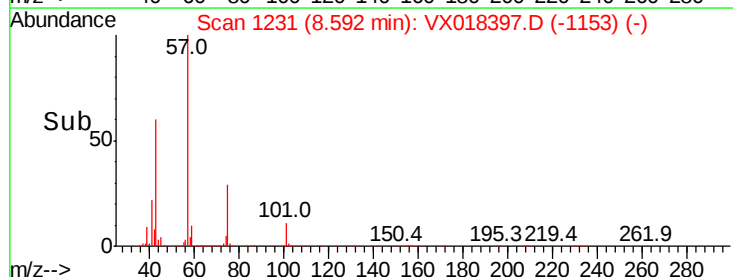
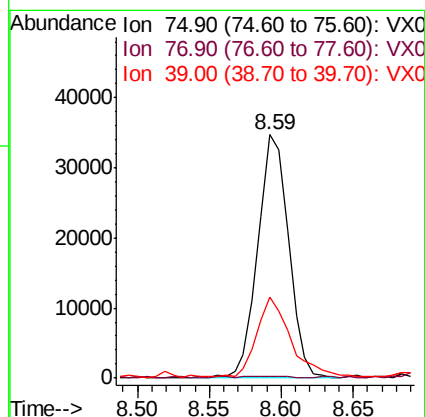
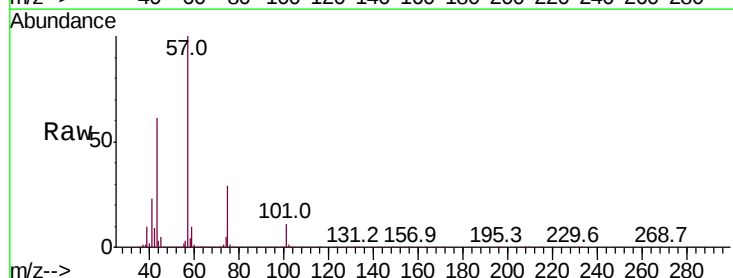
Tgt Ion: 75 Resp: 51394

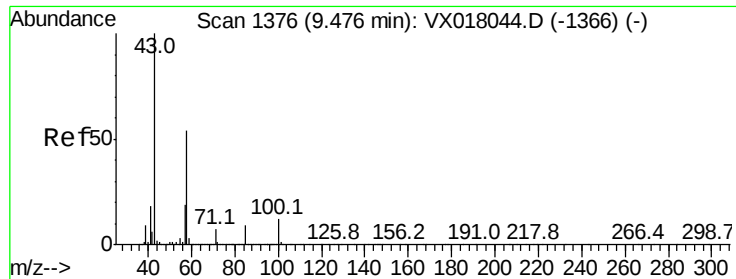
Ion Ratio Lower Upper

75 100

77 0.2 25.8 38.8#

39 32.1 38.8 58.2#

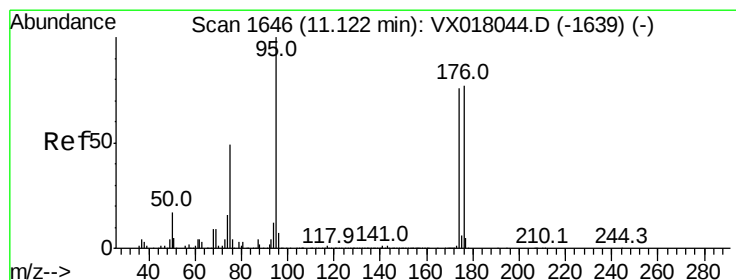
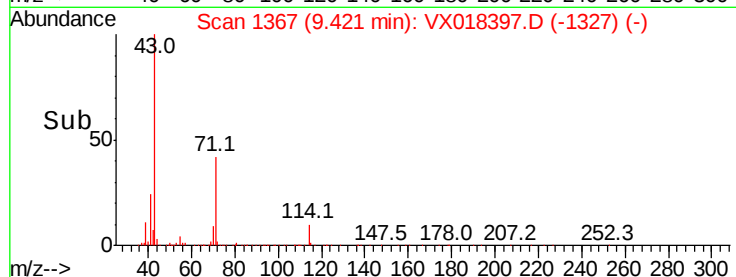
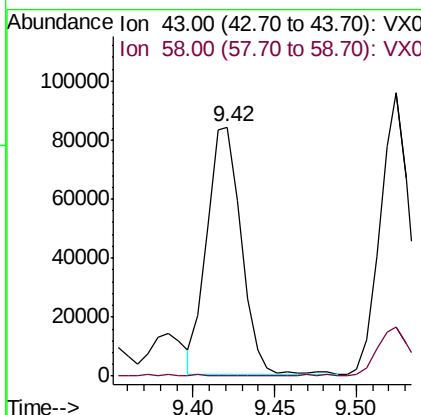
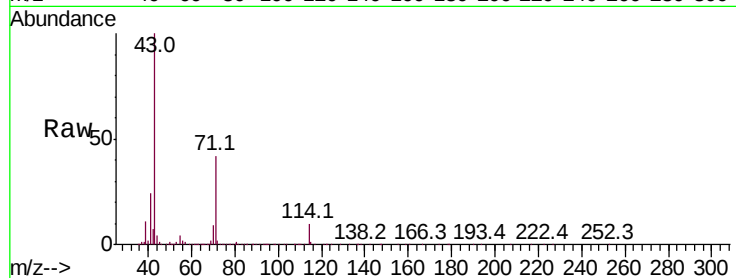




#59
2-Hexanone
Concen: 21.416 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

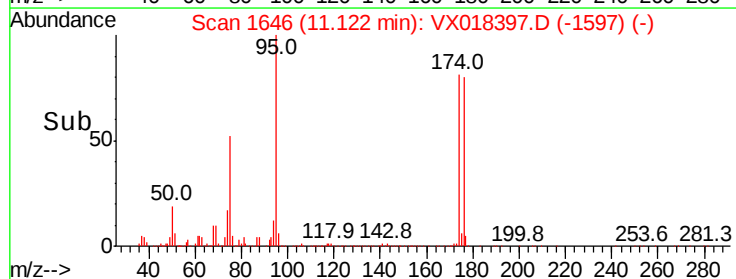
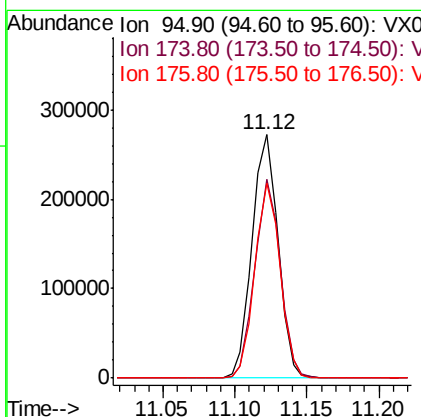
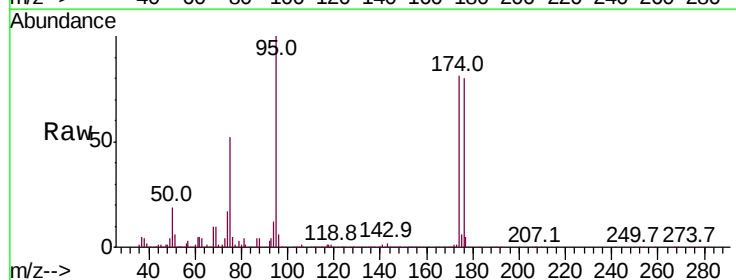
Instrument :
MSVOA_X
ClientSampled :

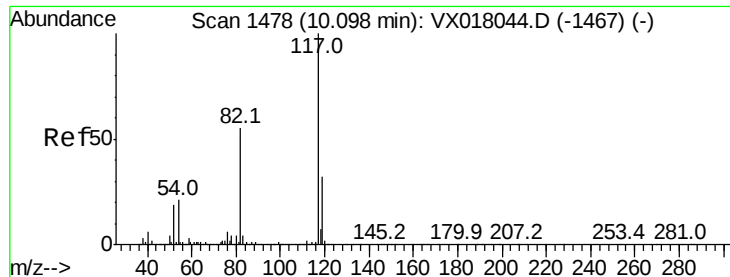
Tot Ion: 43 Resp: 122351
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 48.258 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

Tgt Ion: 95 Resp: 338560
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.2
176 78.0 0.0 155.8

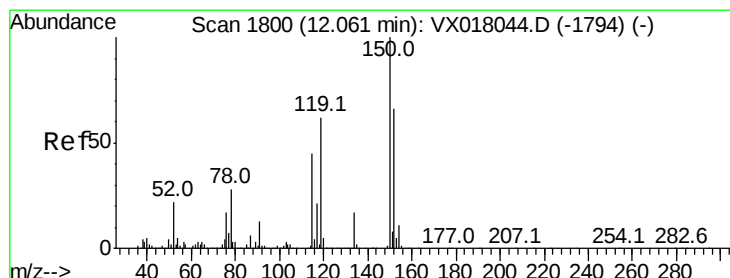
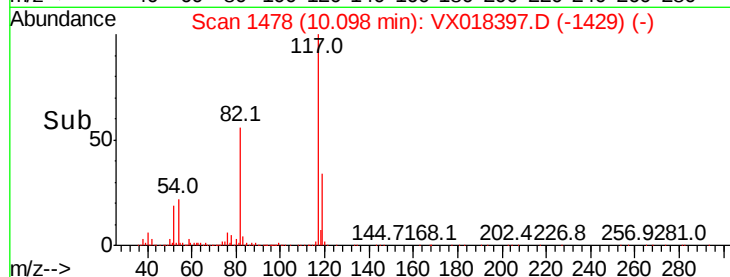
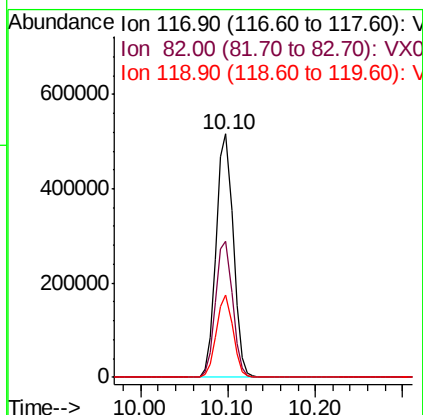
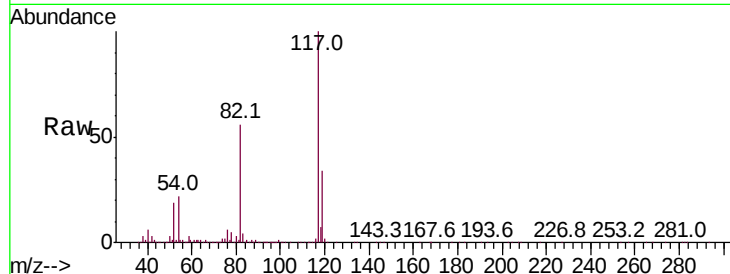




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

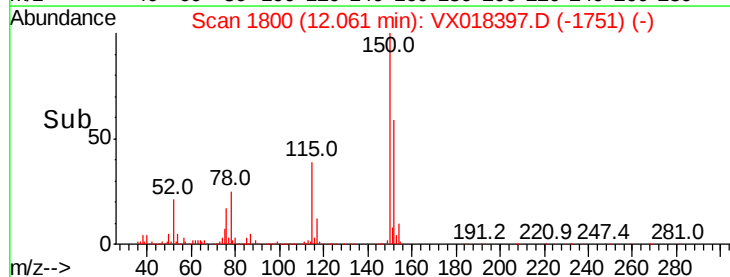
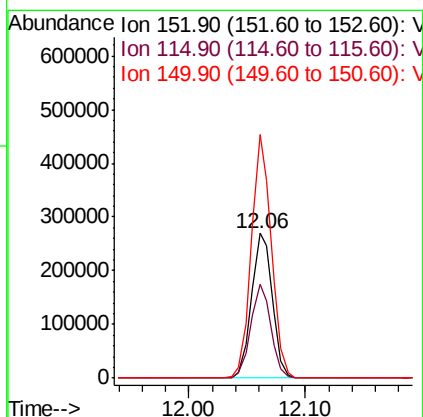
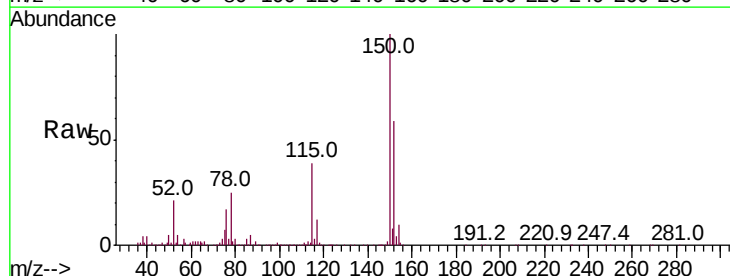
Instrument :
MSVOA_X
ClientSampleId :

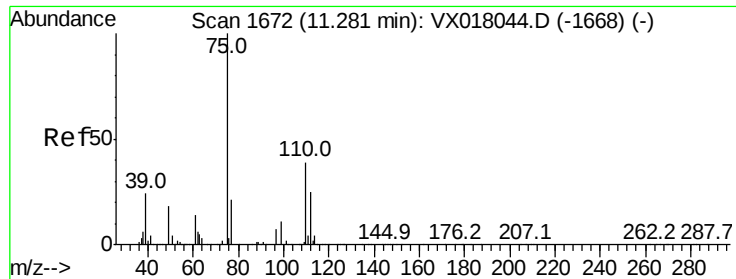
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.2
119	33.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018397.D
Acq: 14 Sep 2020 20:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	41.5	124.5
150	160.9	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.488 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

Instrument :

MSVOA_X

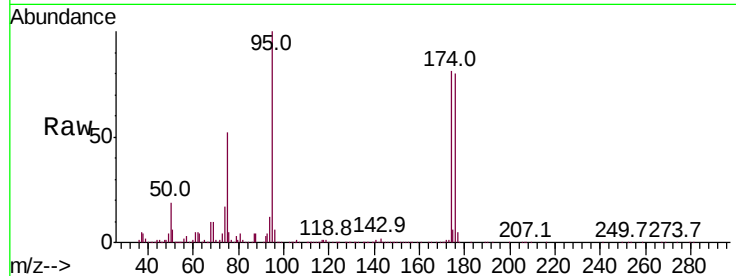
ClientSampleId :

Tot Ion: 75 Resp: 175632

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

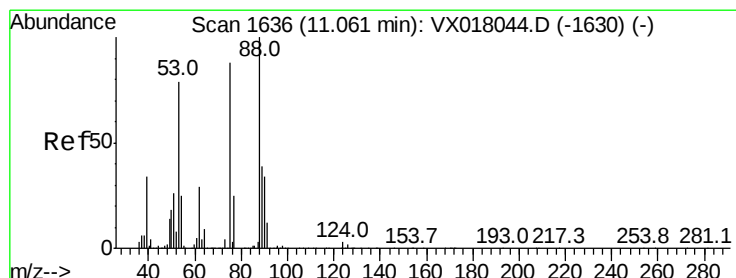
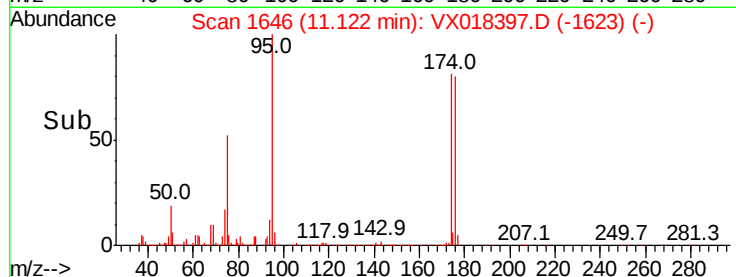
100000

50000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.436 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018397.D

Acq: 14 Sep 2020 20:23

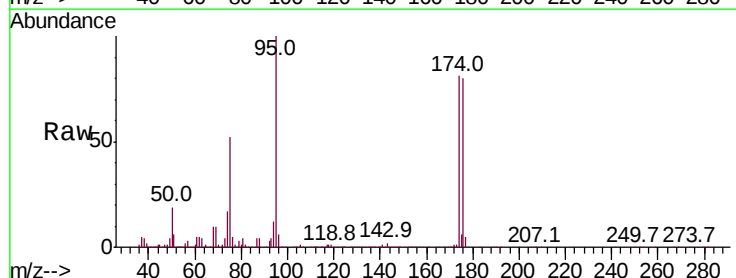
Tgt Ion: 75 Resp: 175632

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

150000

100000

50000

0

Time-->

11.10 11.20

