

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091420\
 Data File : VX018389.D
 Acq On : 14 Sep 2020 17:21
 Operator : JC/SP
 Sample : PB131574ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 05:12:00 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	437468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	713384	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	353660	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	318203	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.46	113	246873	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	8.70	98	894260	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.12	95	344975	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	

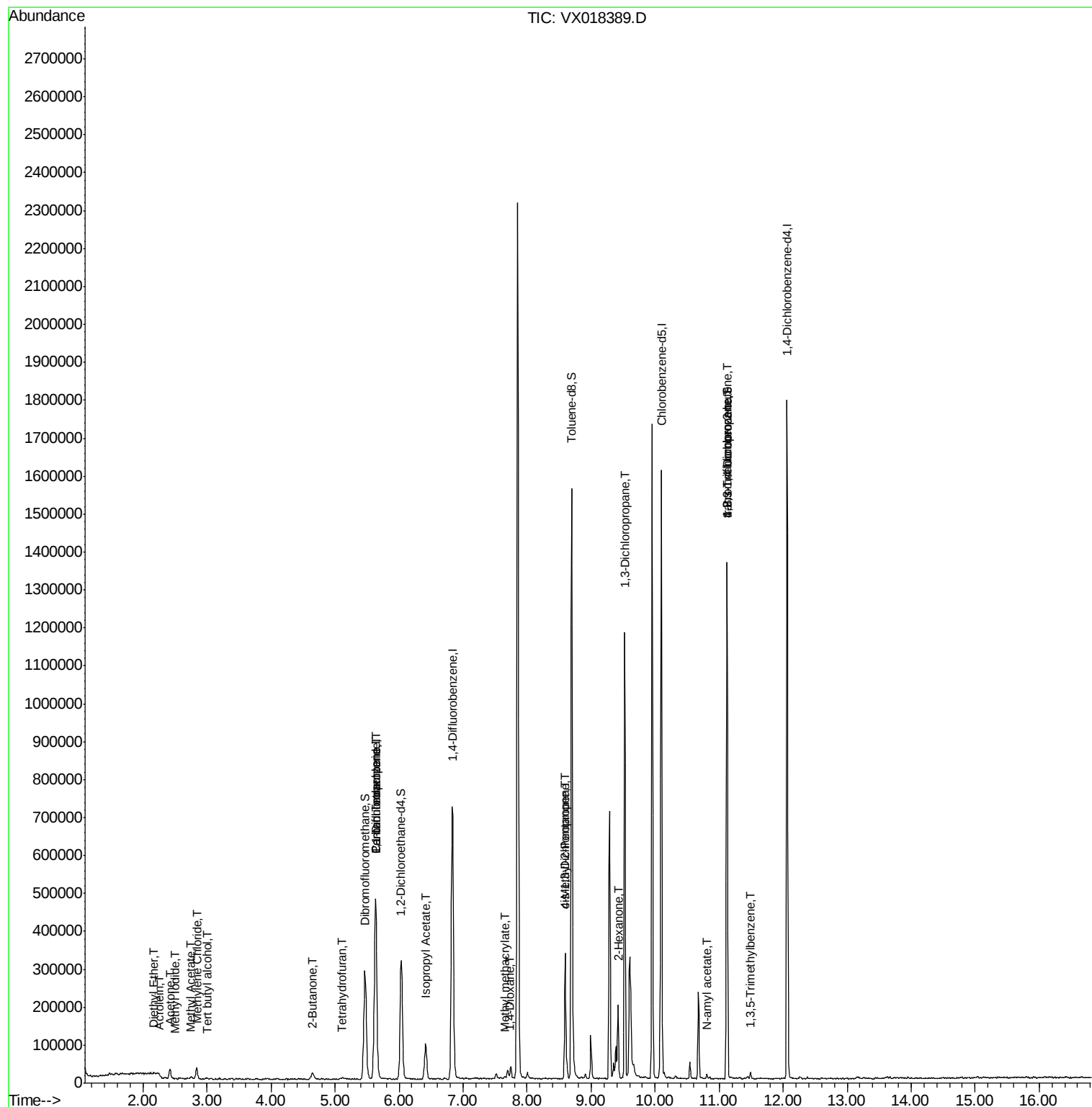
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	596	0.231	ug/l	61
10) Methyl Iodide	2.49	142	335	5.355	ug/l #	67
11) Tert butyl alcohol	3.00	59	3047	2.580	ug/l #	86
13) Acrolein	2.26	56	769	1.571	ug/l #	14
16) Acetone	2.42	43	28082	11.867	ug/l	100
18) Methyl Acetate	2.75	43	6560	1.149	ug/l #	83
20) Methylene Chloride	2.84	84	14912	1.960	ug/l	85
25) 2-Butanone	4.65	43	8459	2.175	ug/l	91
29) Tetrahydrofuran	5.11	42	3780	1.527	ug/l #	77
36) 1,1-Dichloropropene	5.64	75	34240	5.204	ug/l #	52
38) Carbon Tetrachloride	5.64	117	47485	6.404	ug/l #	16
43) Isopropyl Acetate	6.42	43	124311	10.071	ug/l	99
48) Methyl methacrylate	7.66	41	6840	1.113	ug/l #	18
49) 1,4-Dioxane	7.72	88	483	4.339	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	123744	16.229	ug/l #	55
54) cis-1,3-Dichloropropene	8.60	75	52858	6.153	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	9418	1.092	ug/l #	48
59) 2-Hexanone	9.42	43	120664	20.812	ug/l #	25
74) N-amyl acetate	10.81	43	5452	0.493	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	178600	22.702	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	6569	0.343	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	178600	61.313	ug/l #	12

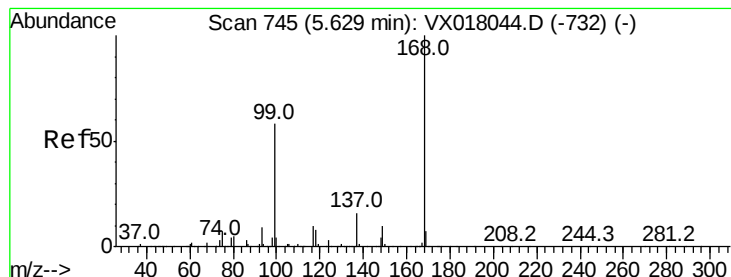
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091420\
Data File : VX018389.D
Acq On : 14 Sep 2020 17:21
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Quant Time: Sep 15 05:12:00 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: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

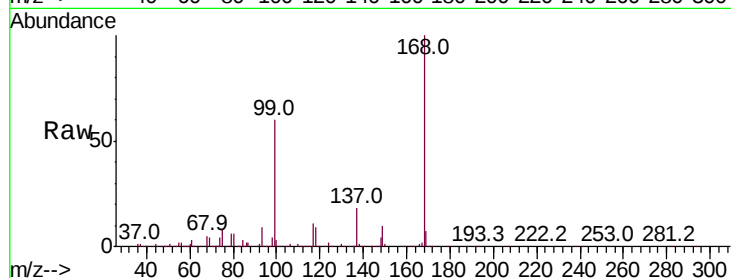
ClientSampleId :

Tot Ion:168 Resp: 437468

Ion Ratio Lower Upper

168 100

99 60.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.64

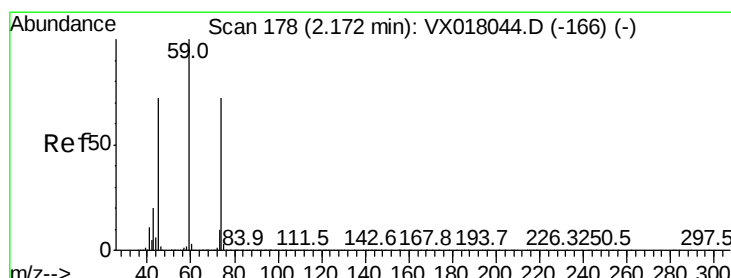
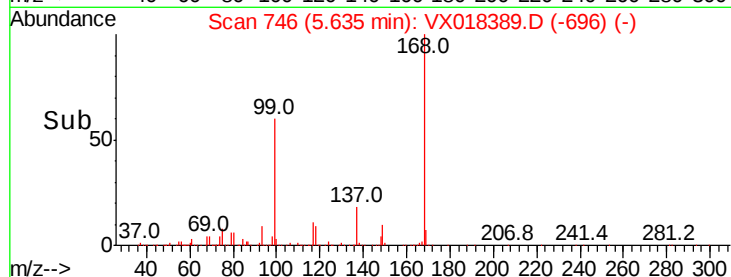
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.231 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018389.D

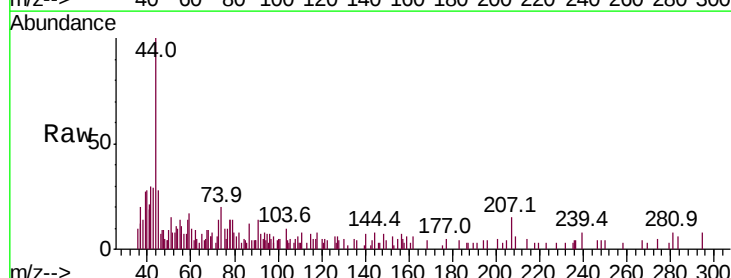
Acq: 14 Sep 2020 17:21

Tgt Ion: 74 Resp: 596

Ion Ratio Lower Upper

74 100

45 62.4 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

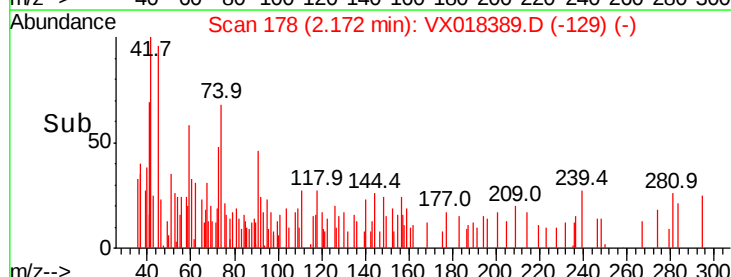
600

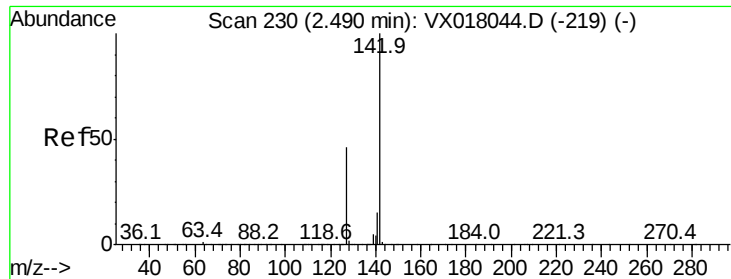
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200

0

Time-->

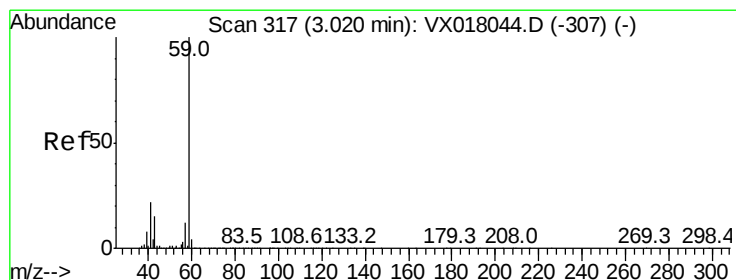
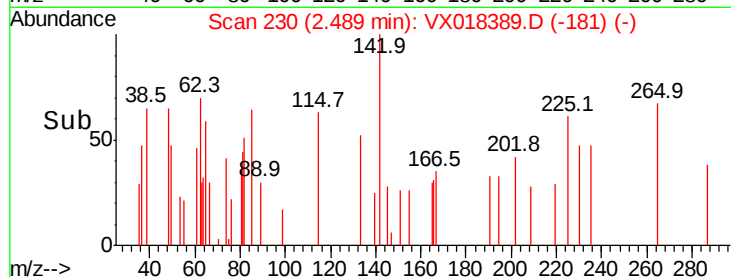
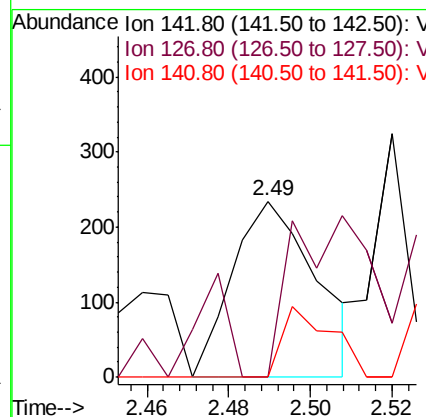
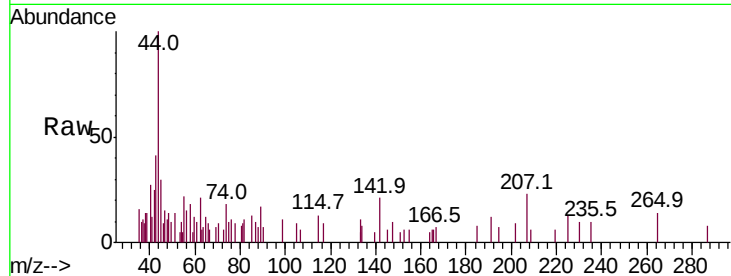




#10
Methvl Iodide
Concen: 5.355 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

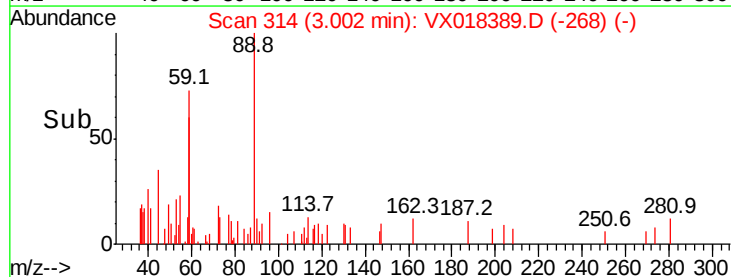
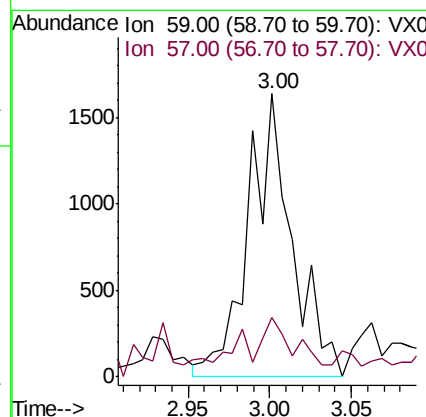
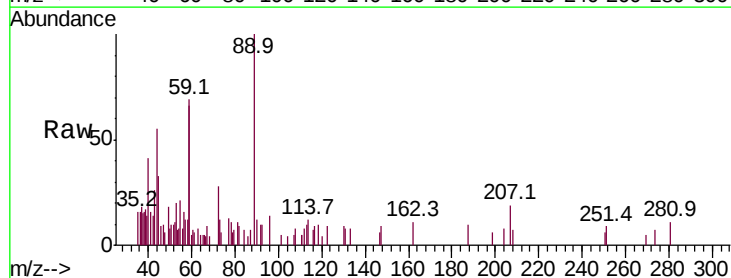
Instrument :
MSVOA_X
ClientSampleId :

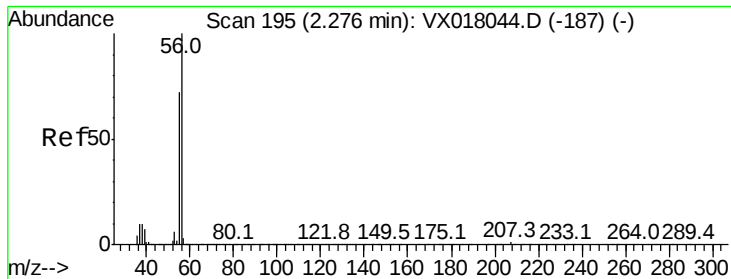
Tot Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
127 22.1 37.0 55.6#
141 23.6 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.580 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion: 59 Resp: 3047
Ion Ratio Lower Upper
59 100
57 16.4 8.9 13.3#

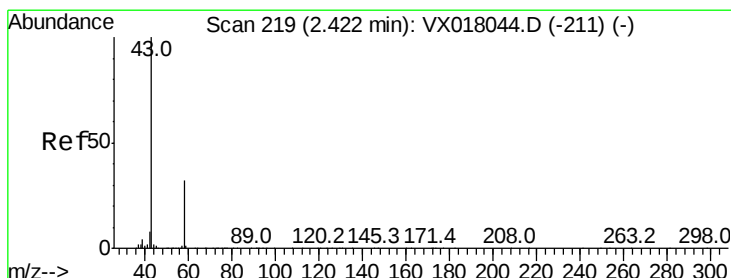
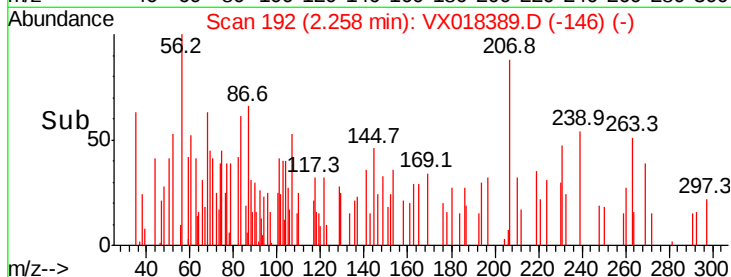
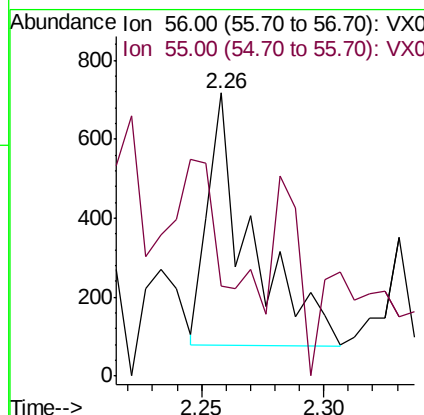
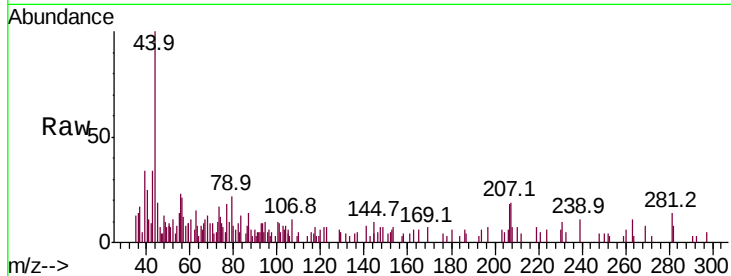




#13
Acrolein
Concen: 1.571 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

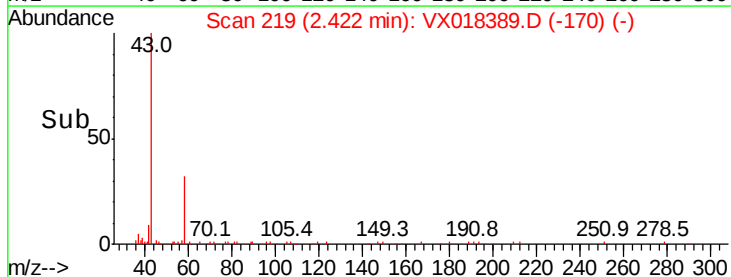
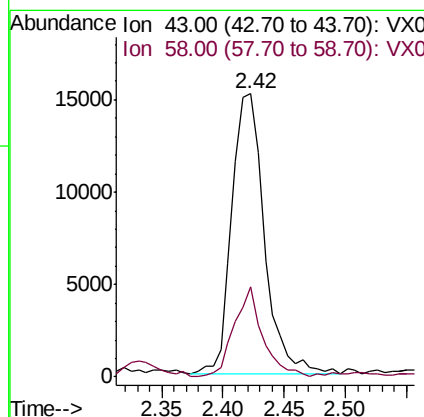
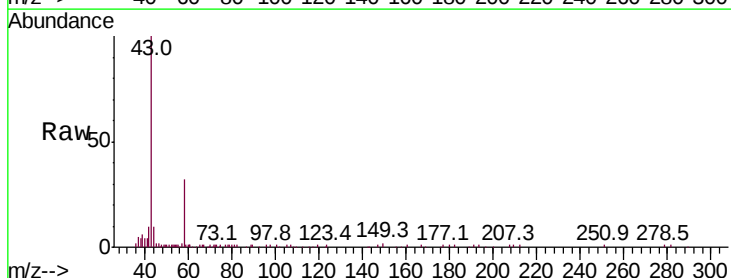
Instrument :
MSVOA_X
ClientSampled :

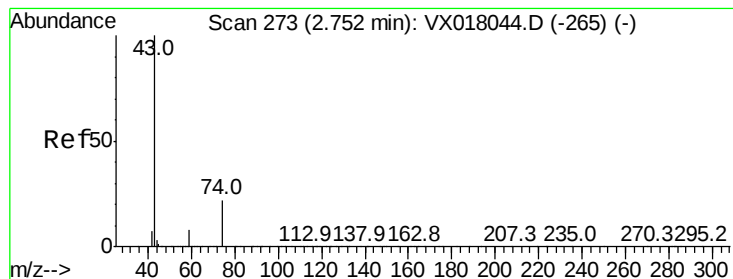
Tot Ion: 56 Resp: 769
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 11.867 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion: 43 Resp: 28082
Ion Ratio Lower Upper
43 100
58 32.1 25.5 38.3





#18

Methyl Acetate

Concen: 1.149 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

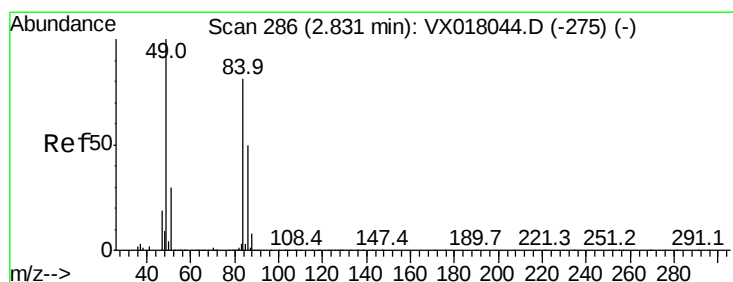
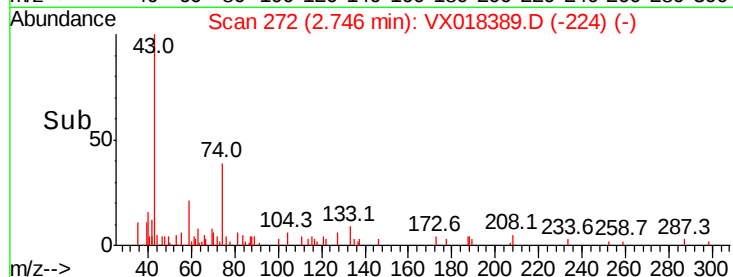
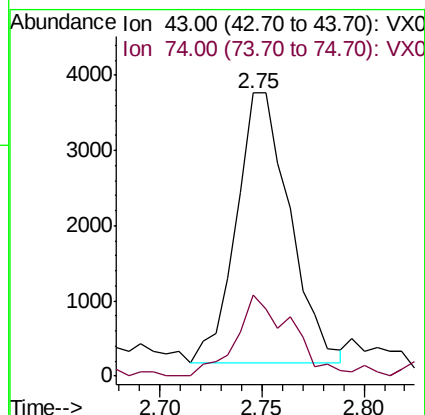
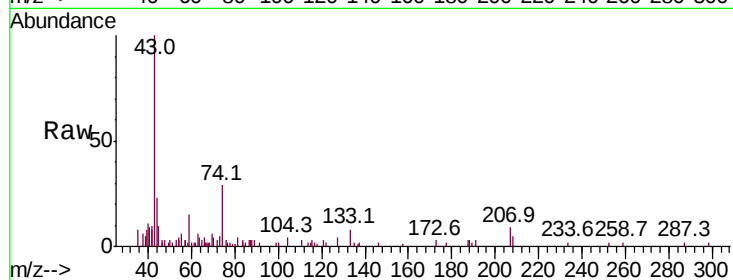
ClientSampleId :

Tot Ion: 43 Resp: 6560

Ion Ratio Lower Upper

43 100

74 31.1 18.2 27.4#



#20

Methylene Chloride

Concen: 1.960 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Tgt Ion: 84 Resp: 14912

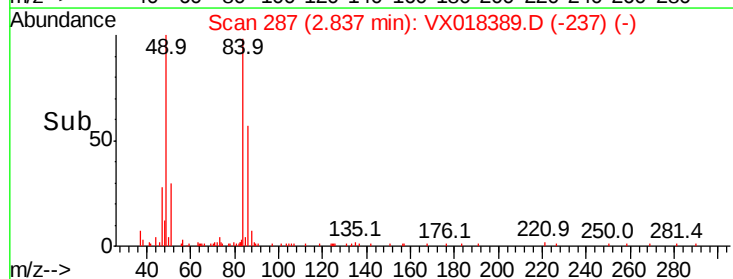
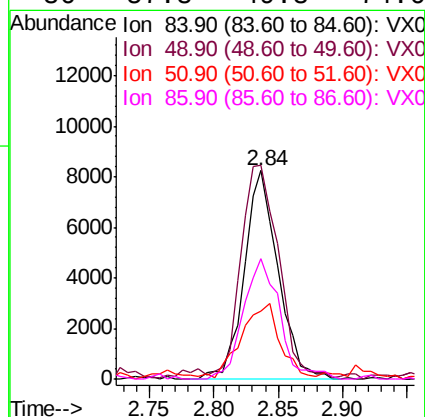
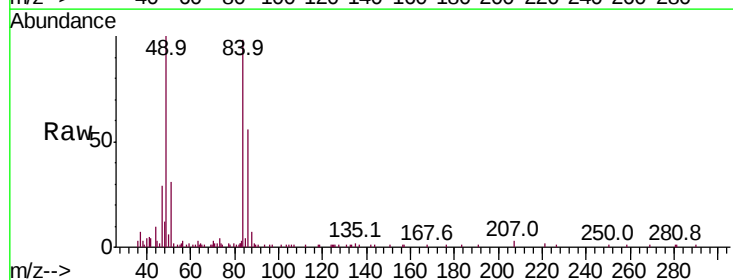
Ion Ratio Lower Upper

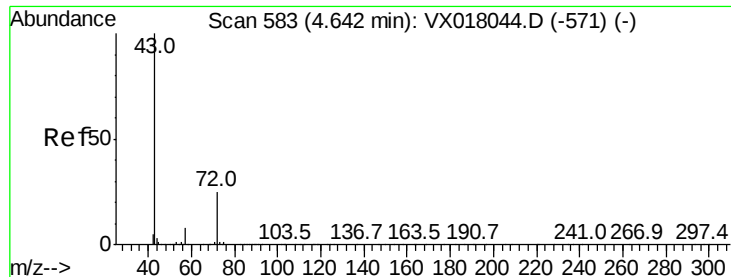
84 100

49 99.3 98.6 148.0

51 30.4 29.6 44.4

86 57.8 49.8 74.6

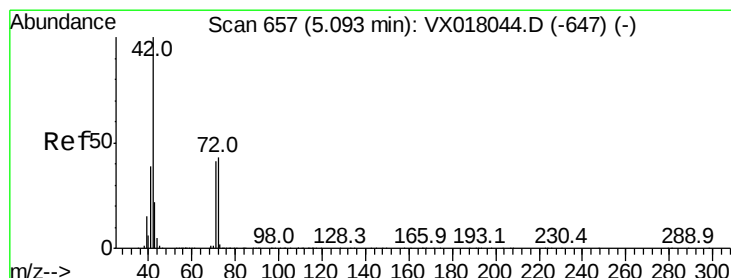
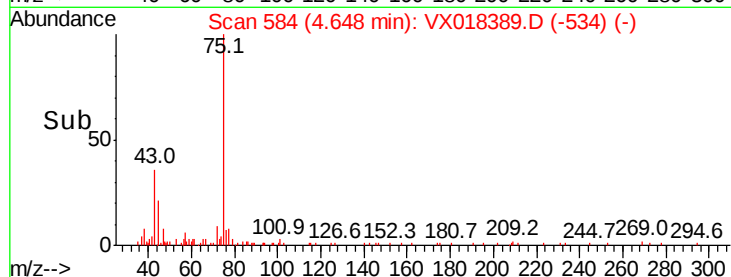
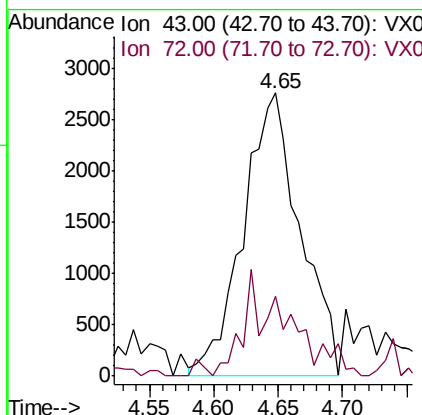
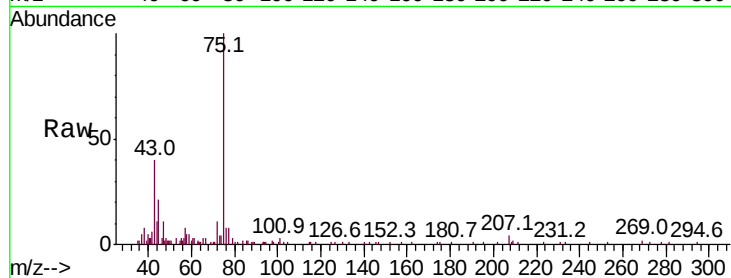




#25
2-Butanone
Concen: 2.175 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

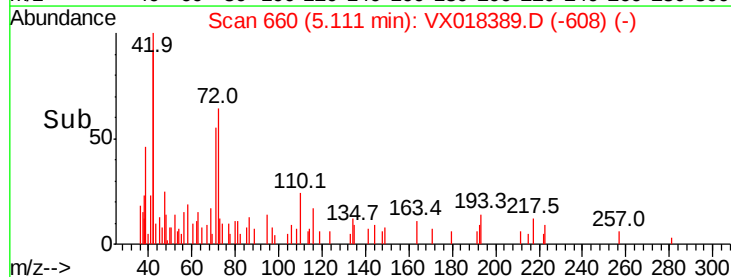
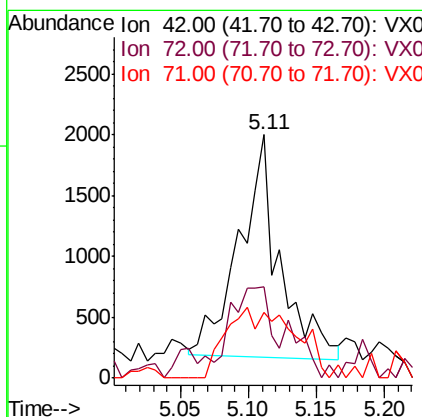
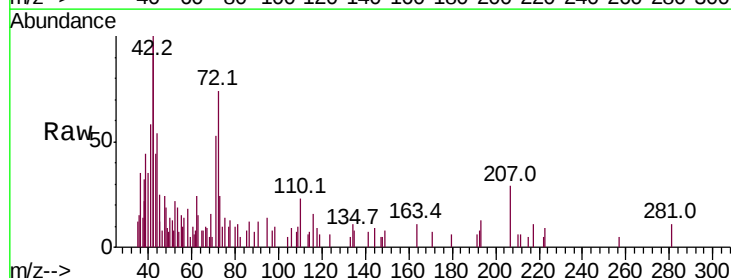
Instrument :
MSVOA_X
ClientSampleId :

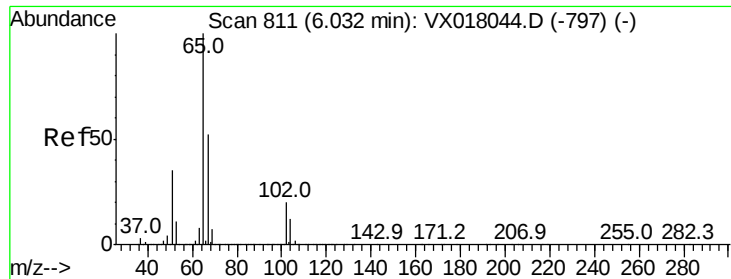
Tot Ion: 43 Resp: 8459
Ion Ratio Lower Upper
43 100
72 29.2 19.8 29.6



#29
Tetrahydrofuran
Concen: 1.527 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion: 42 Resp: 3780
Ion Ratio Lower Upper
42 100
72 30.4 34.2 51.4#
71 23.9 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

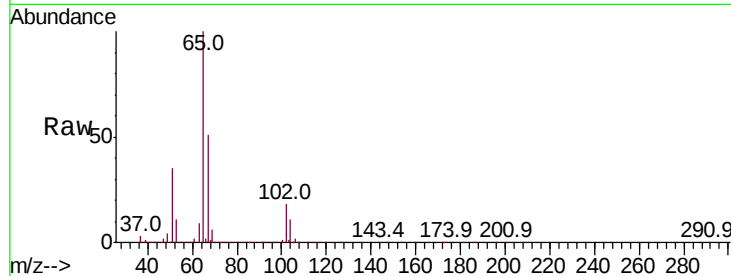
ClientSampleId :

Tot Ion: 65 Resp: 318203

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

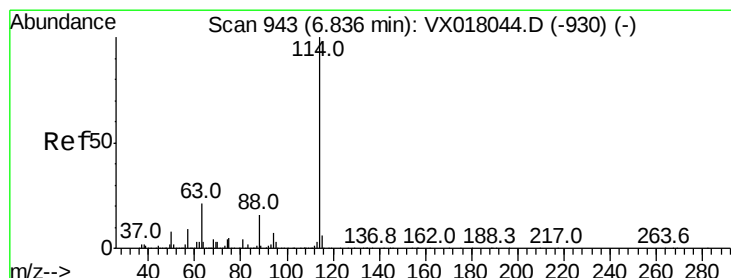
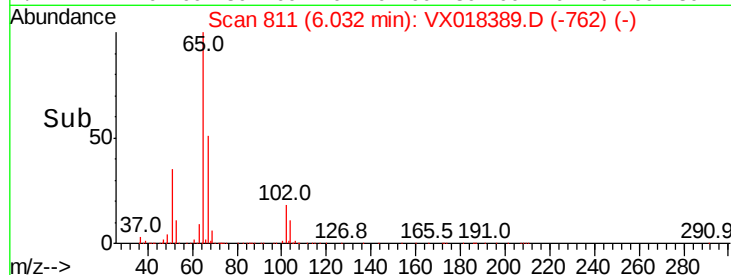
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

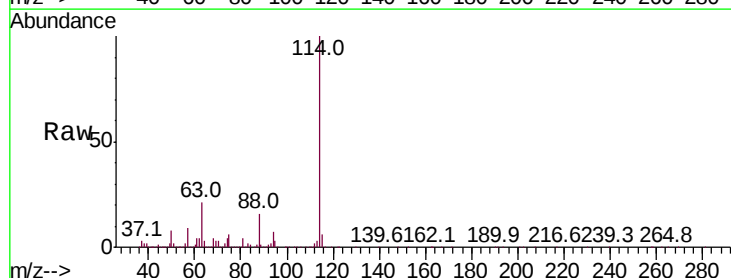
Tgt Ion: 114 Resp: 713384

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.9 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

400000

300000

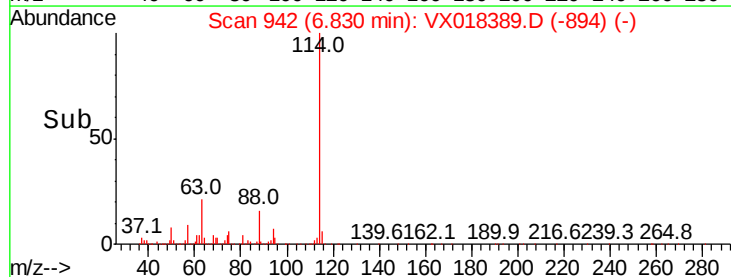
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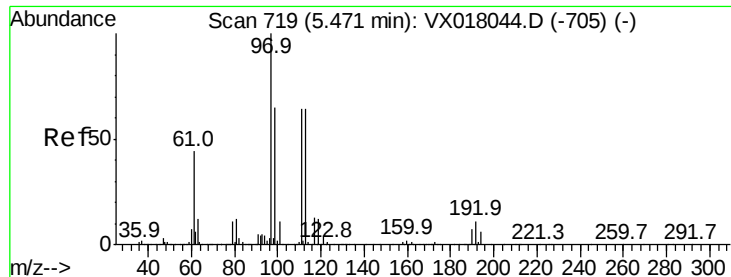
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.813 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

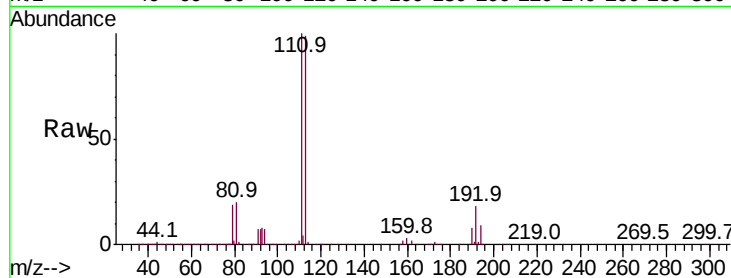
Tot Ion:113 Resp: 246873

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

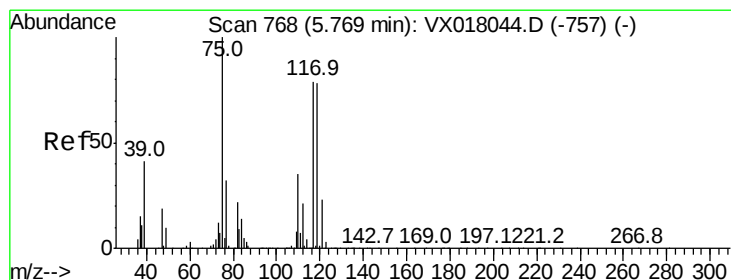
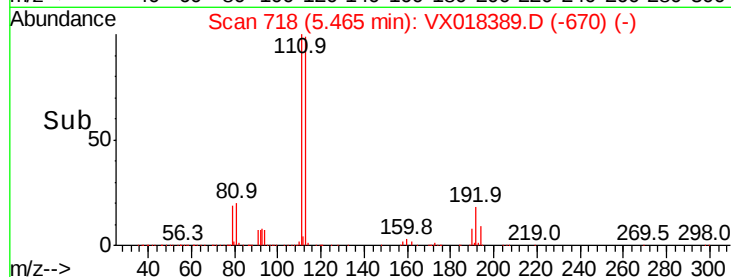
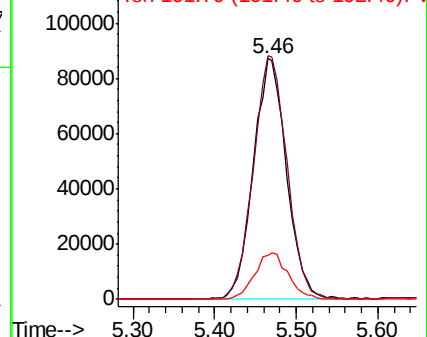
192 19.5 15.8 23.8



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: 5.204 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

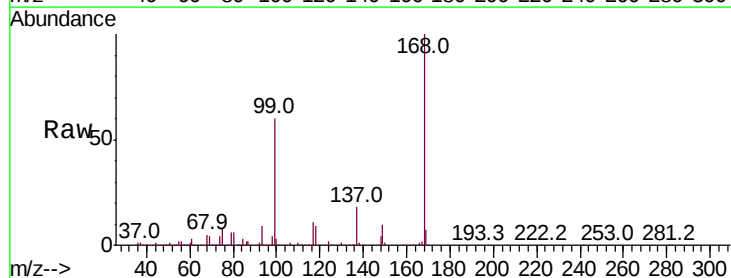
Tgt Ion: 75 Resp: 34240

Ion Ratio Lower Upper

75 100

110 11.9 18.0 54.0#

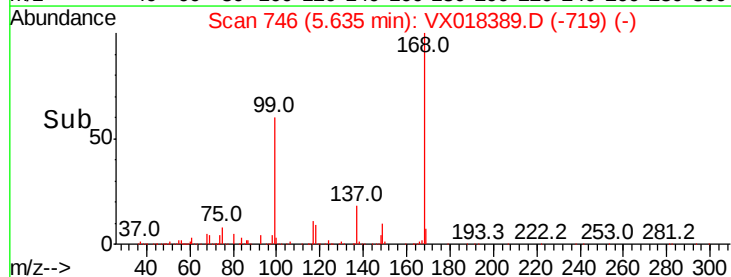
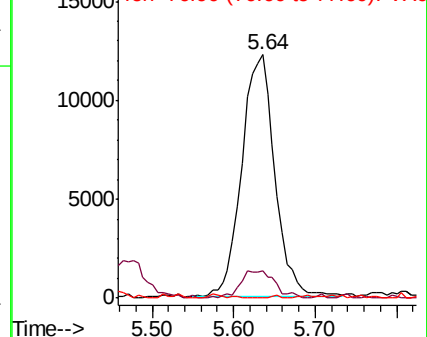
77 0.3 24.4 36.6#

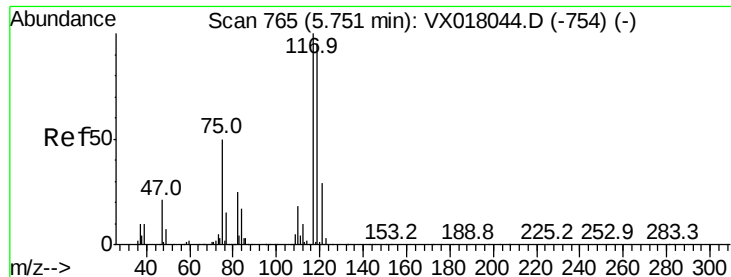


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

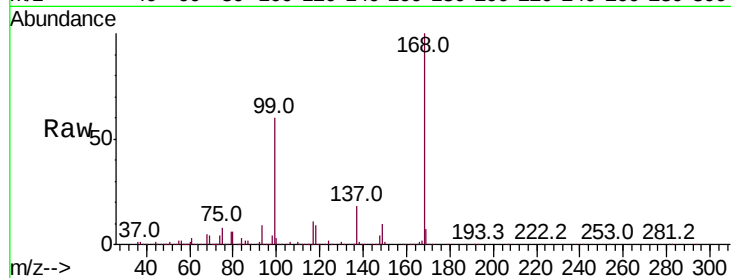
Tot Ion:117 Resp: 47485

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.6#

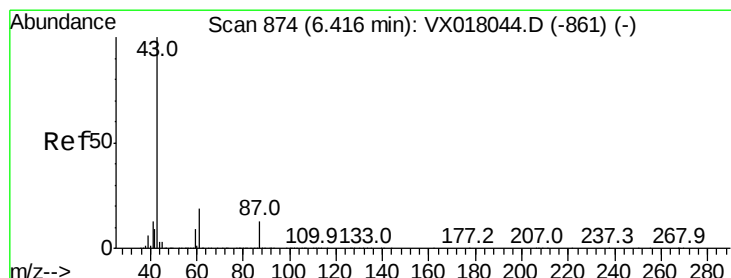
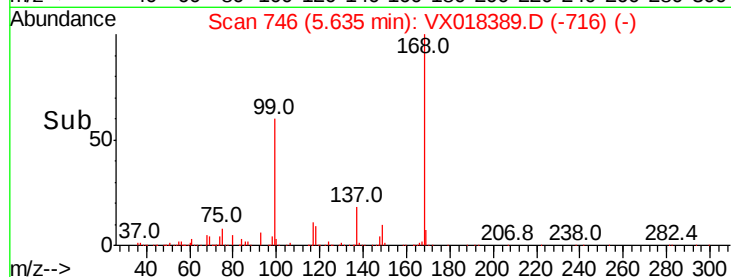
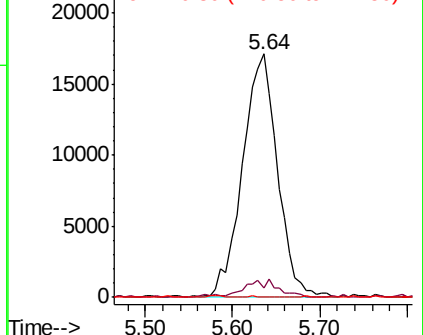
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 10.071 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

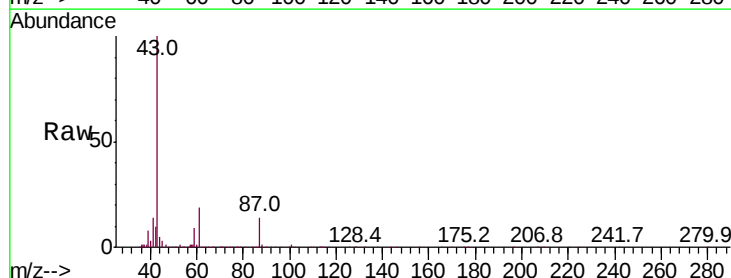
Tgt Ion: 43 Resp: 124311

Ion Ratio Lower Upper

43 100

61 20.0 15.7 23.5

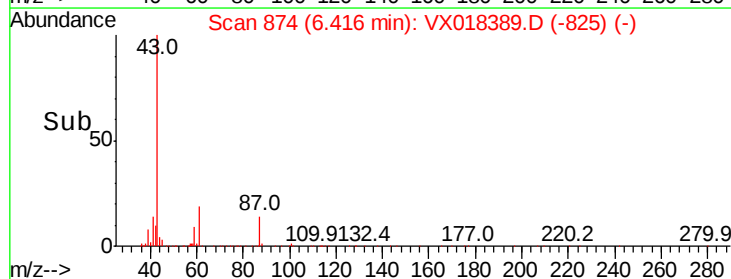
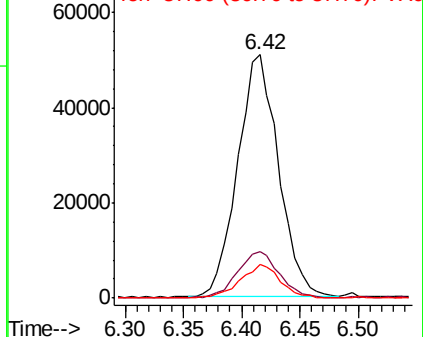
87 13.7 10.3 15.5

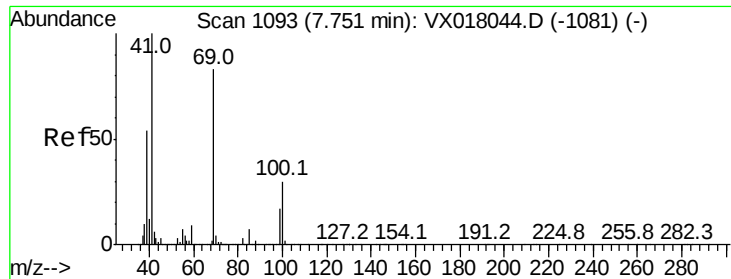


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

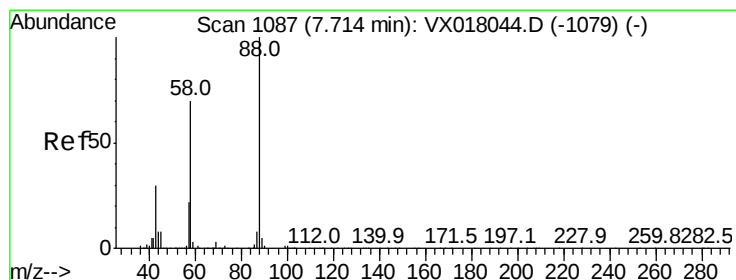
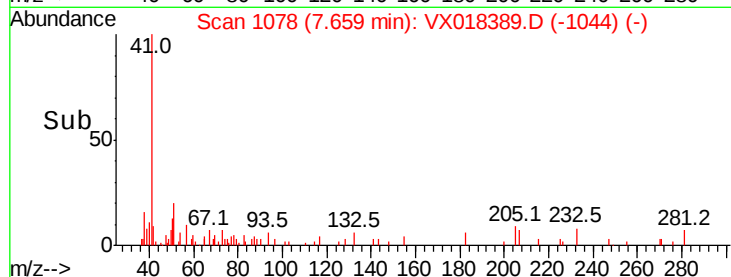
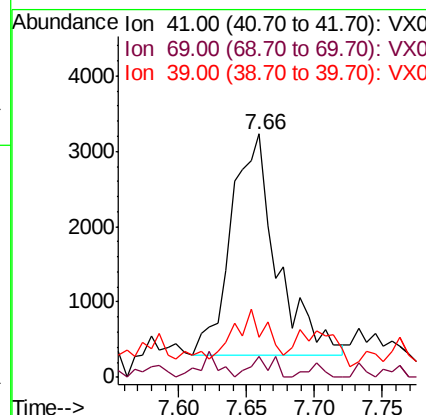
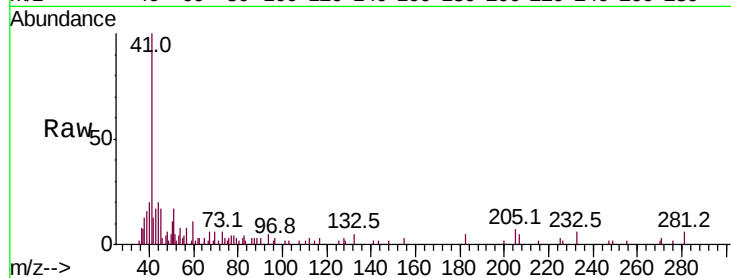




#48
Methyl methacrylate
Concen: 1.113 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

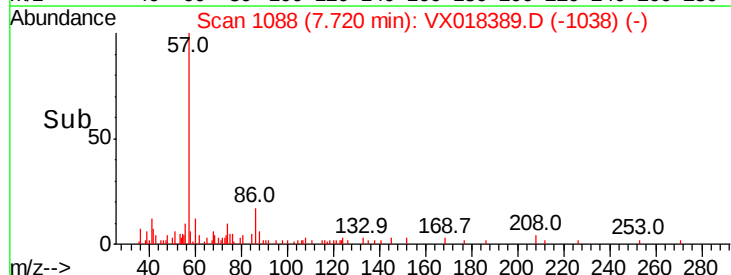
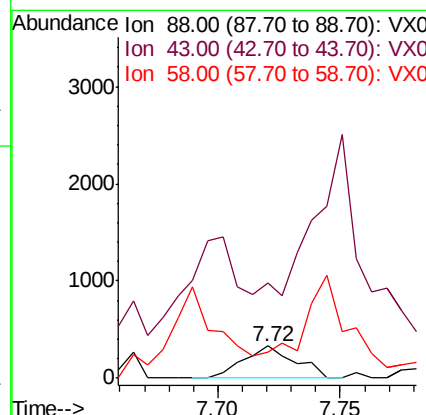
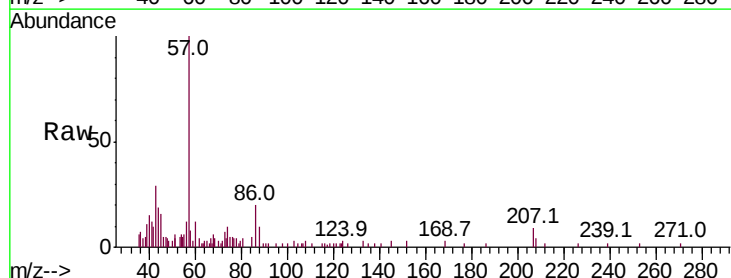
Instrument :
MSVOA_X
ClientSampleId :

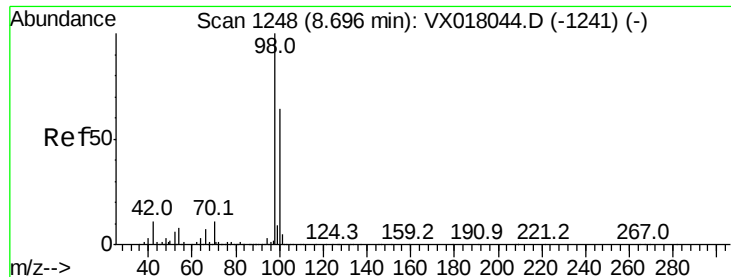
Tot Ion	Ratio	Lower	Upper
41	100		
69	4.7	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 4.339 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#





#50

Toluene-d8

Concen: 49.418 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

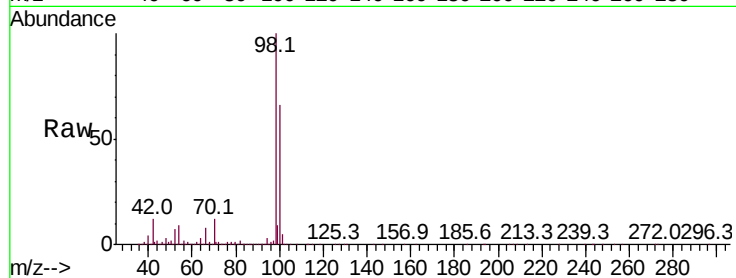
ClientSampleId :

Tot Ion: 98 Resp: 894260

Ion Ratio Lower Upper

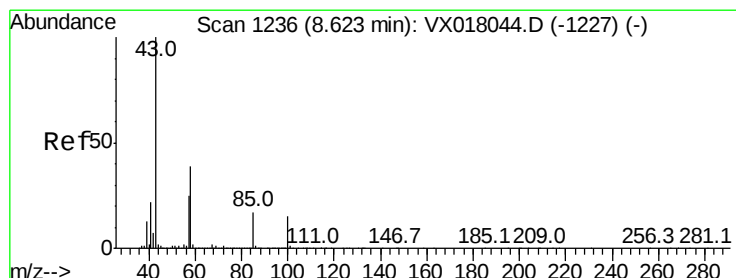
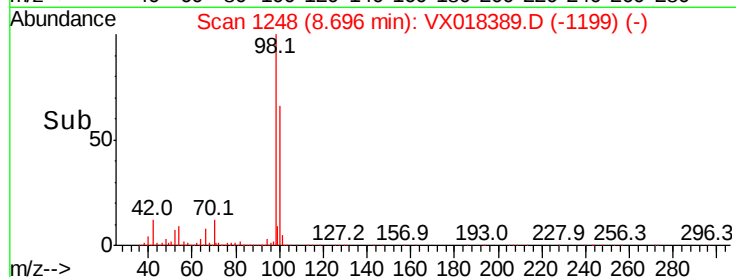
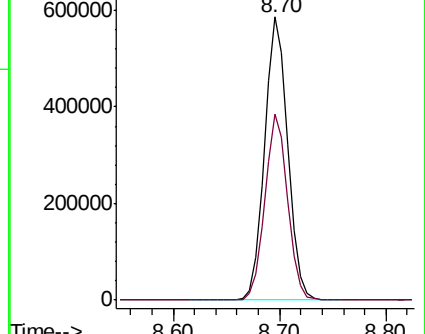
98 100

100 64.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 16.229 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018389.D

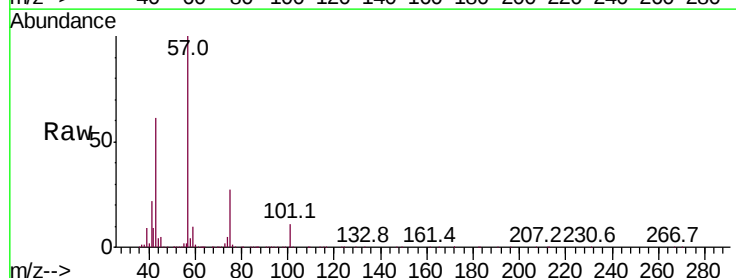
Acq: 14 Sep 2020 17:21

Tgt Ion: 43 Resp: 123744

Ion Ratio Lower Upper

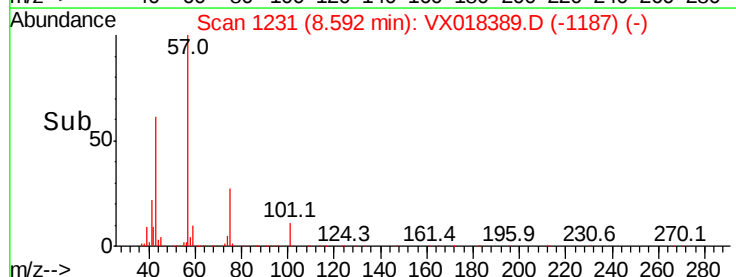
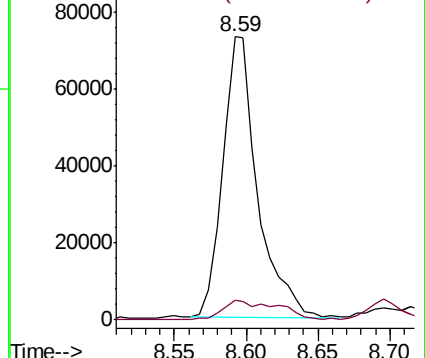
43 100

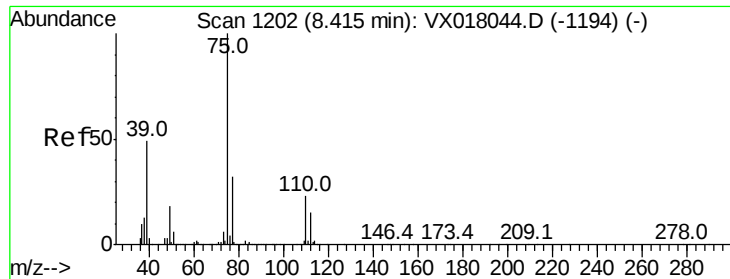
58 10.9 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



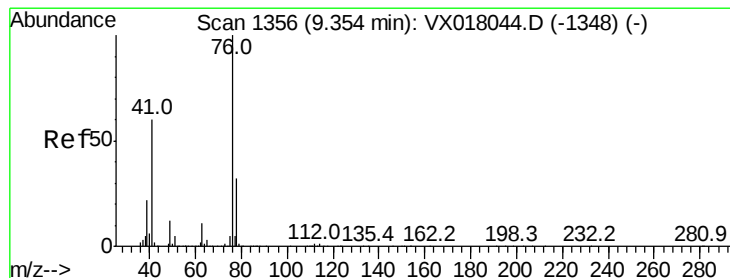
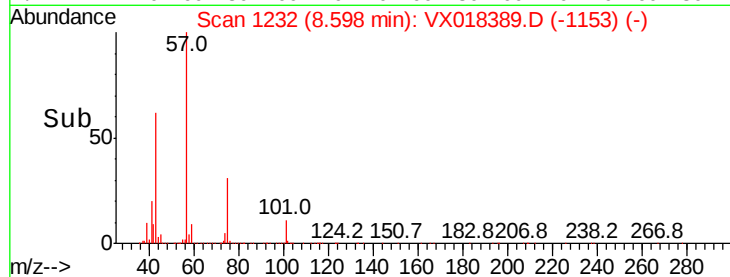
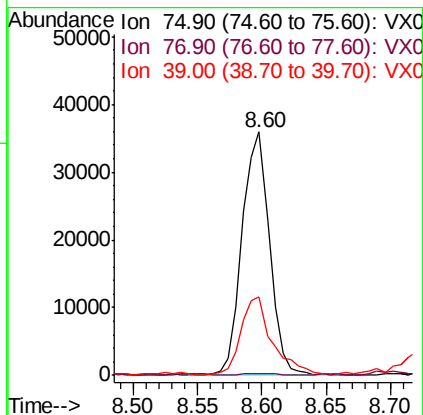
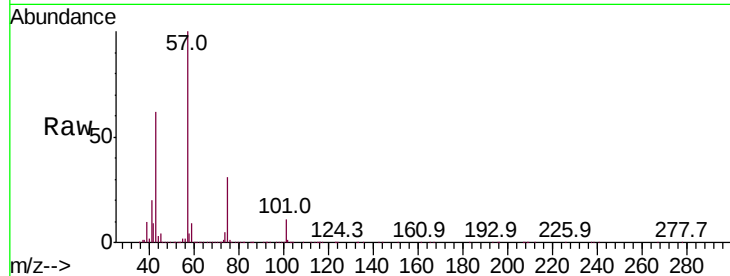


#54

cis-1,3-Dichloropropene
 Concen: 6.153 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX018389.D
 Acq: 14 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :

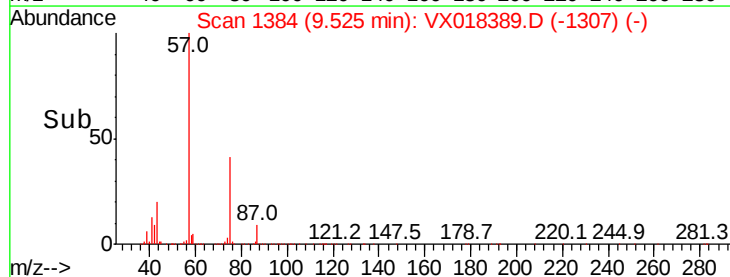
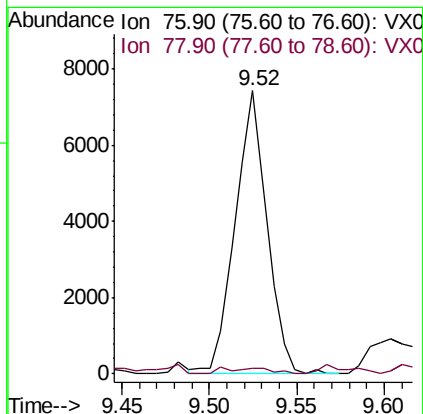
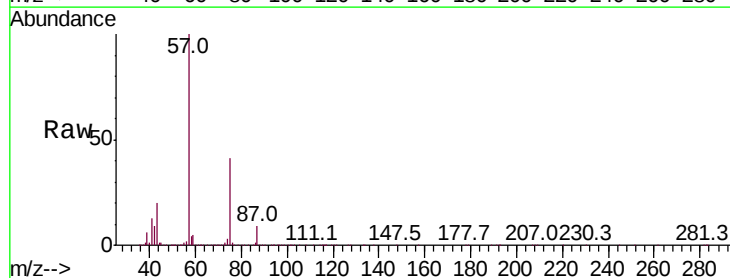
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.8	38.8#
39	31.6	38.8	58.2#

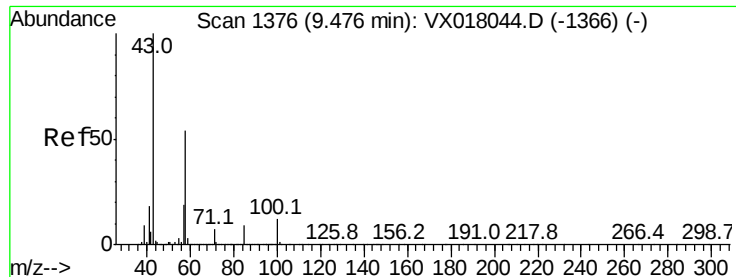


#57

1,3-Dichloropropane
 Concen: 1.092 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX018389.D
 Acq: 14 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	3.1	25.8	38.6#

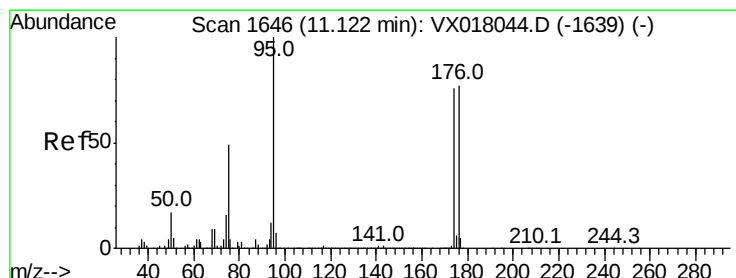
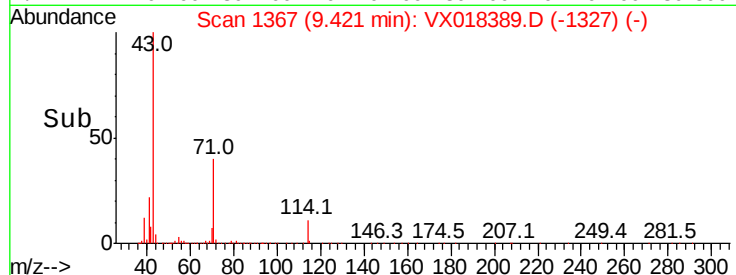
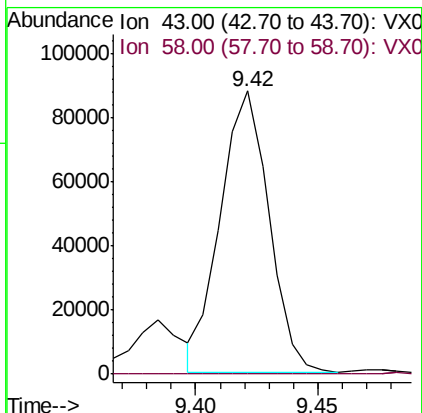
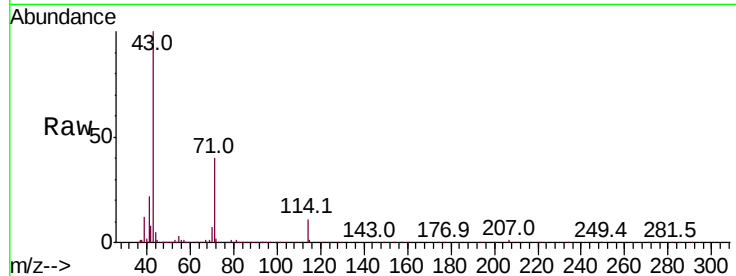




#59
2-Hexanone
Concen: 20.812 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

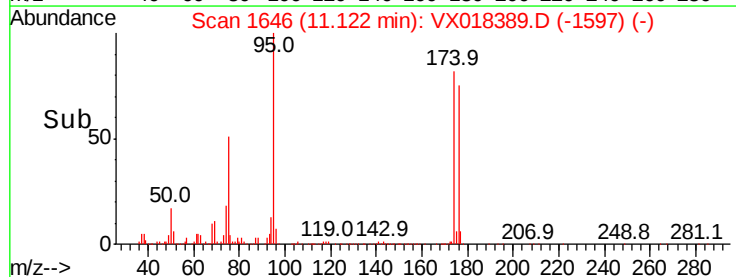
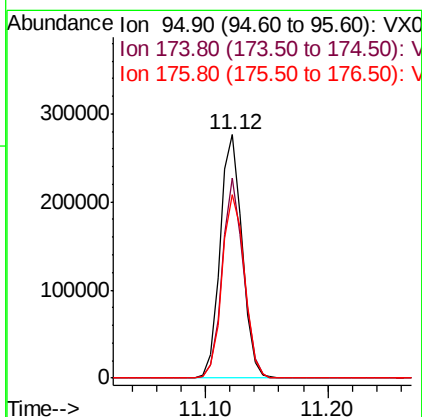
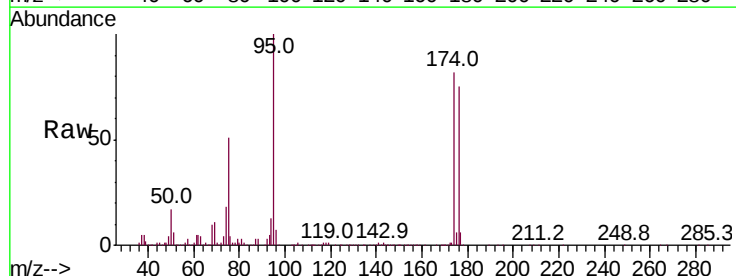
Instrument :
MSVOA_X
ClientSampleId :

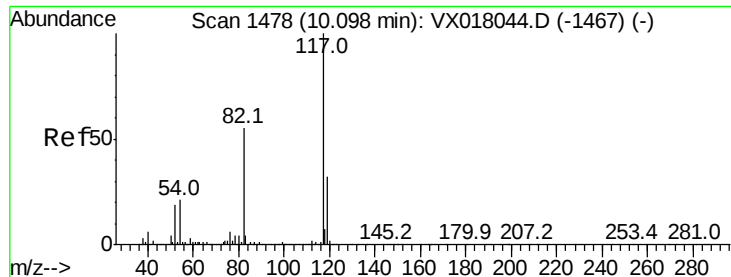
Tot Ion: 43 Resp: 120664
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 48.454 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion: 95 Resp: 344975
Ion Ratio Lower Upper
95 100
174 79.0 0.0 160.2
176 77.0 0.0 155.8

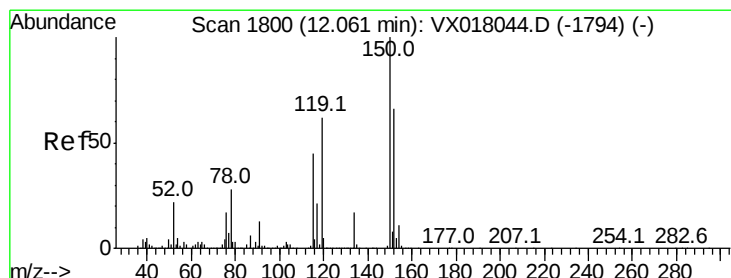
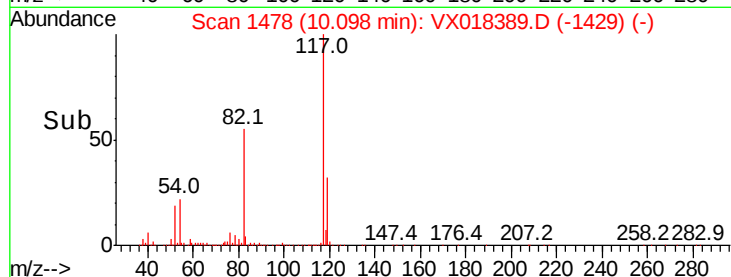
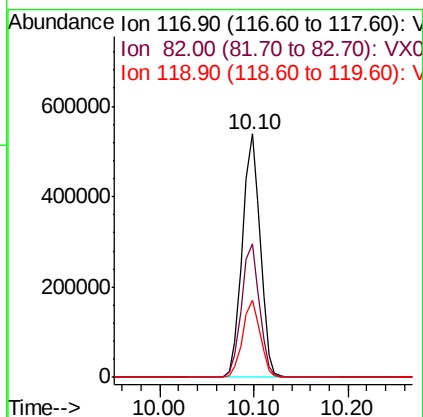
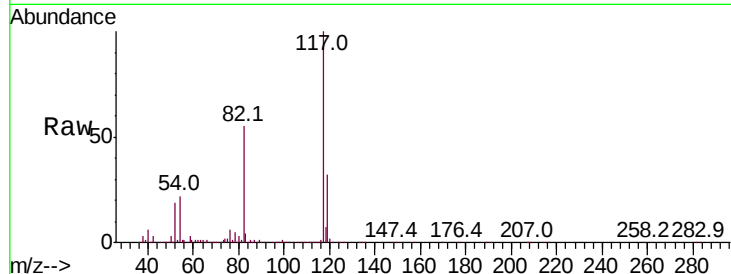




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

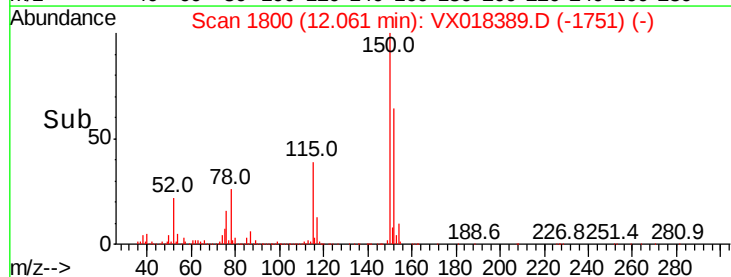
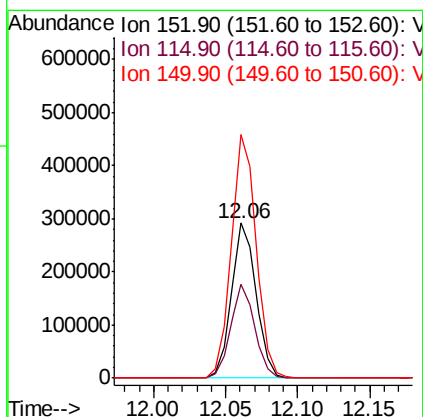
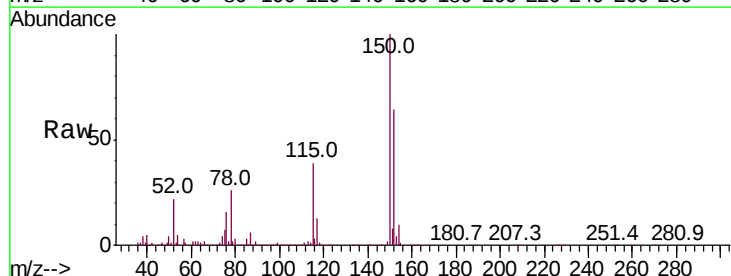
Instrument :
MSVOA_X
ClientSampleId :

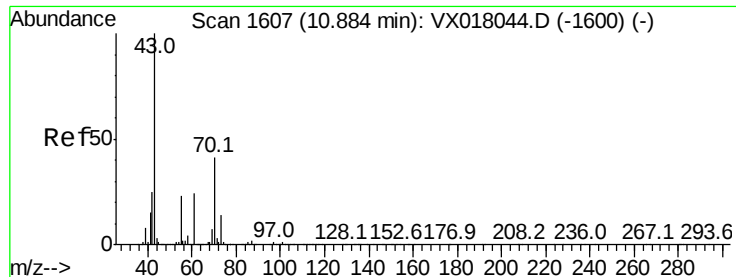
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.2
119	31.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018389.D
Acq: 14 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.5	124.5
150	157.9	0.0	343.8





#74

N-amvl acetate

Concen: 0.493 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018389.D

Acq: 14 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 5452

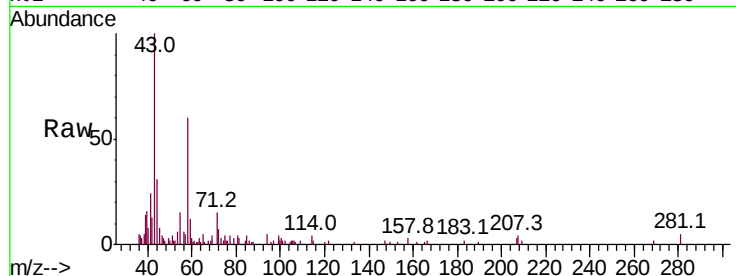
Ion Ratio Lower Upper

43 100

70 2.1 32.3 48.5#

55 17.2 18.2 27.2#

61 0.0 18.9 28.3#

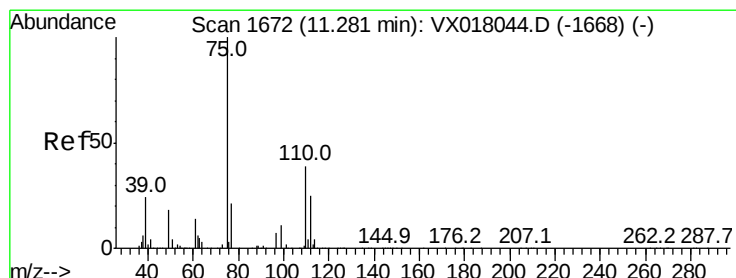
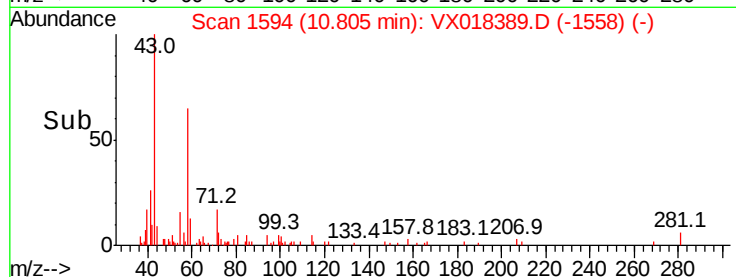
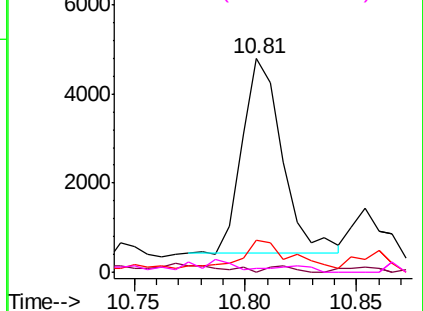


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.702 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018389.D

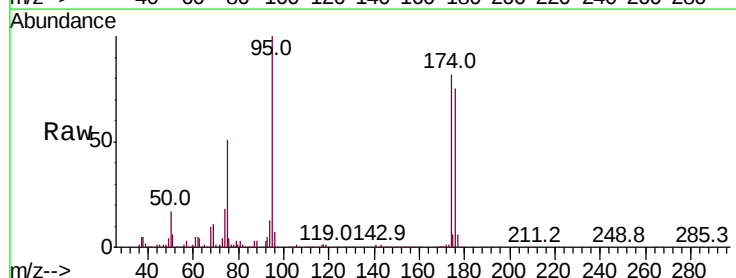
Acq: 14 Sep 2020 17:21

Tgt Ion: 75 Resp: 178600

Ion Ratio Lower Upper

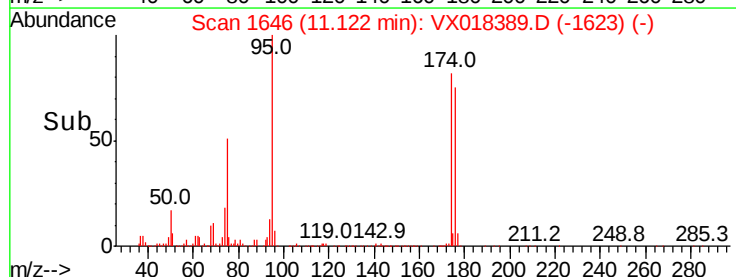
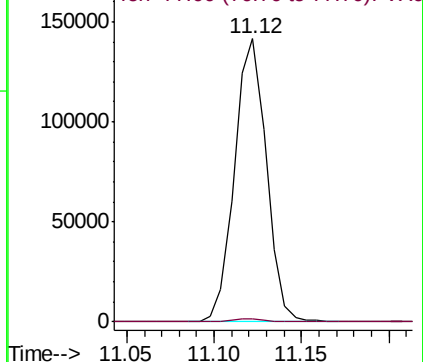
75 100

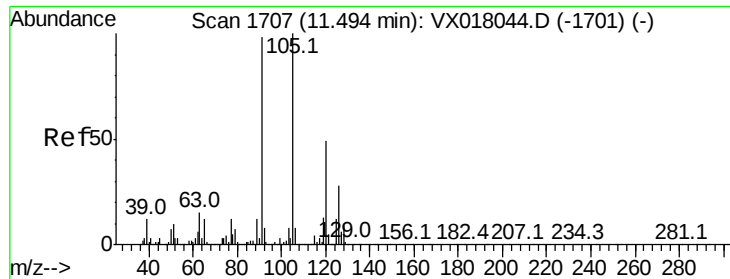
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

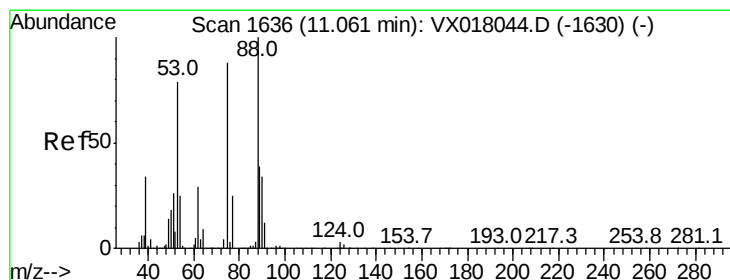
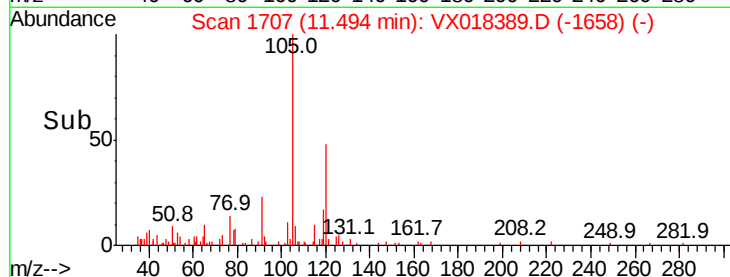
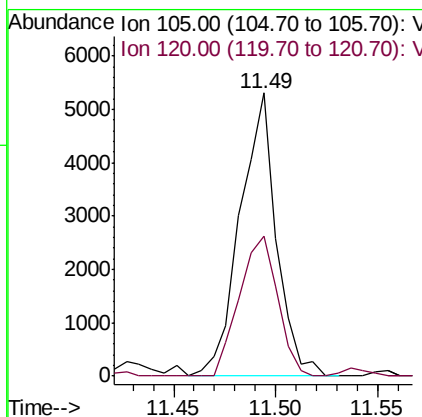
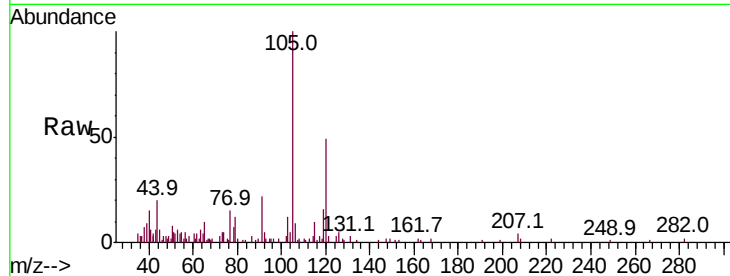




#80
 1,3,5-Trimethylbenzene
 Concen: 0.343 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018389.D
 Acq: 14 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 6569
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.313 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018389.D
 Acq: 14 Sep 2020 17:21

Tgt Ion: 75 Resp: 178600
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.7 112.1#
 89 0.0 36.6 54.8#

