

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018370.D
 Acq On : 11 Sep 2020 18:52
 Operator : JC/SP
 Sample : L3976-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 06:00:29 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

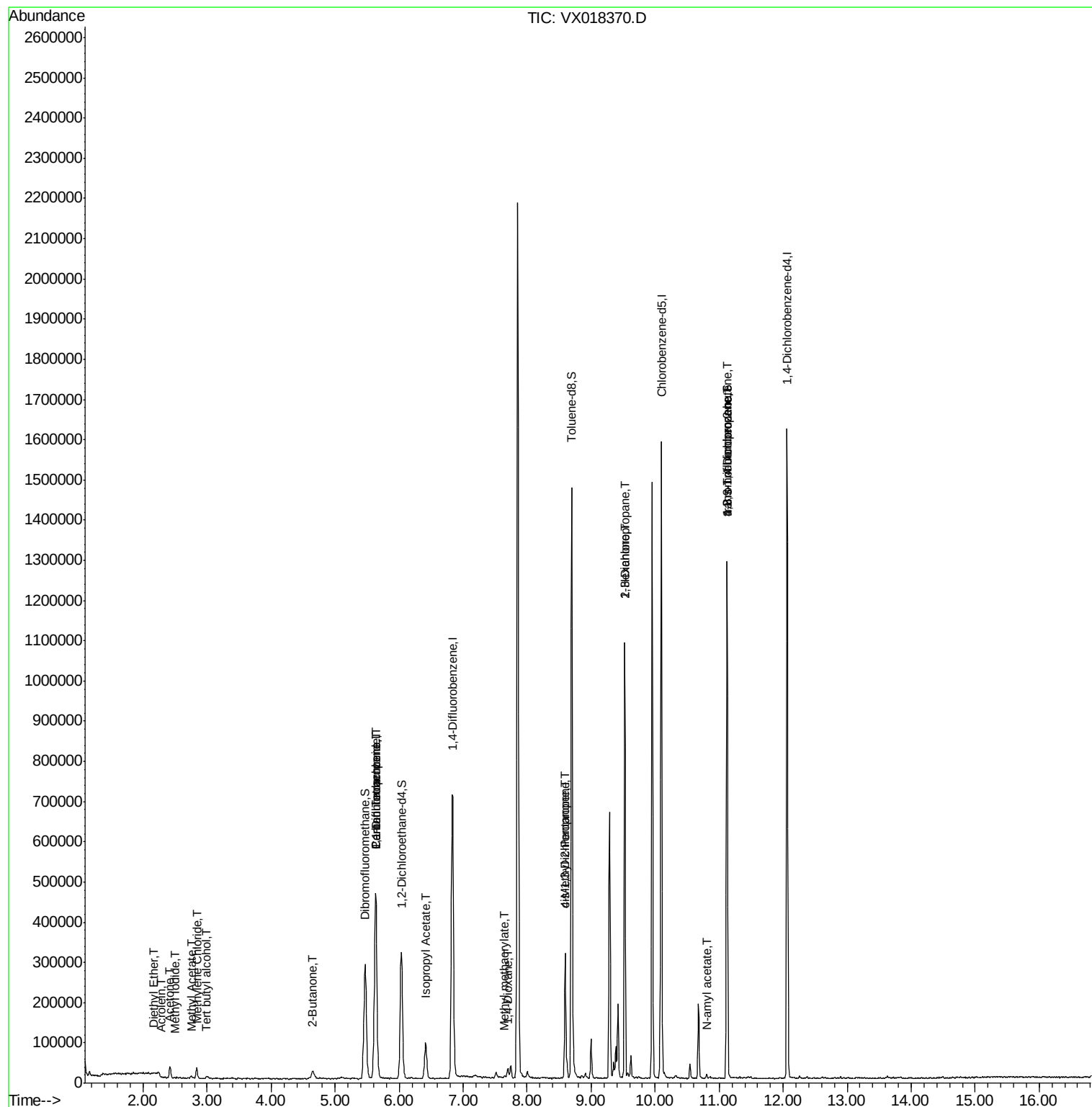
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	430494	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	706890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	690924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	327687	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	316952	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	5.47	113	246143	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	8.70	98	881917	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.12	95	328396	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	702	0.276	ug/l	88
10) Methyl Iodide	2.51	142	180	5.324	ug/l #	7
11) Tert butyl alcohol	2.99	59	4157	3.577	ug/l #	91
13) Acrolein	2.28	56	174	0.361	ug/l #	14
16) Acetone	2.42	43	31332	13.454	ug/l	90
18) Methyl Acetate	2.75	43	8028	1.429	ug/l #	86
20) Methylene Chloride	2.84	84	12028	1.391	ug/l #	91
25) 2-Butanone	4.65	43	10293	2.689	ug/l	94
36) 1,1-Dichloropropene	5.63	75	33860	5.193	ug/l #	51
38) Carbon Tetrachloride	5.63	117	44511	6.058	ug/l #	16
43) Isopropyl Acetate	6.42	43	122200	9.991	ug/l	99
48) Methyl methacrylate	7.65	41	7297	1.198	ug/l #	15
49) 1,4-Dioxane	7.70	88	79	0.716	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	122255	16.181	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	50506	5.933	ug/l #	66
57) 1,3-Dichloropropane	9.52	76	8709	1.019	ug/l #	45
59) 2-Hexanone	9.52	43	119809	20.855	ug/l #	52
74) N-amyl acetate	10.81	43	4833	0.471	ug/l #	57
76) 1,2,3-Trichloropropane	11.12	75	168235	23.079	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	168235	62.333	ug/l #	12

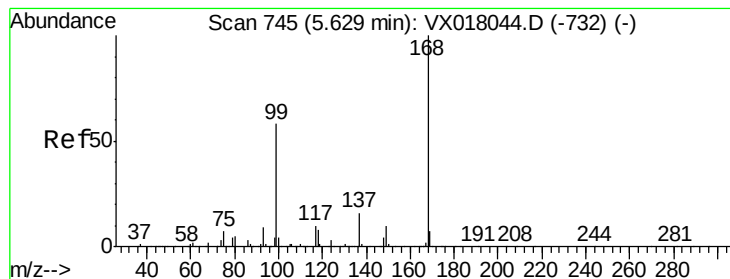
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.01 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

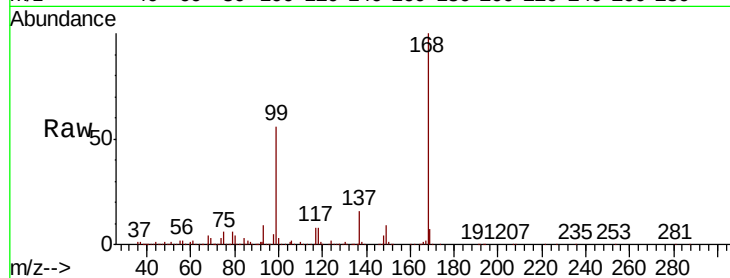
ClientSampleId :

Tot Ion:168 Resp: 430494

Ion Ratio Lower Upper

168 100

99 55.5 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

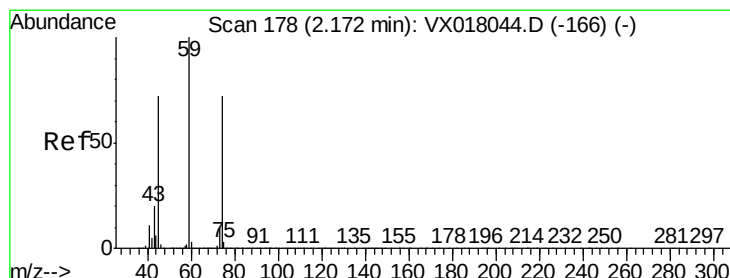
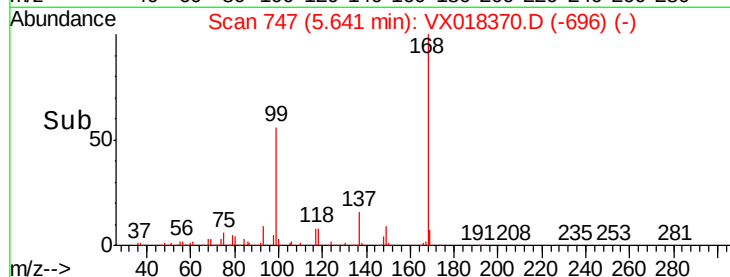
100000

50000

0

5.50 5.60 5.70

Time-->



#8

Diethyl Ether

Concen: 0.276 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018370.D

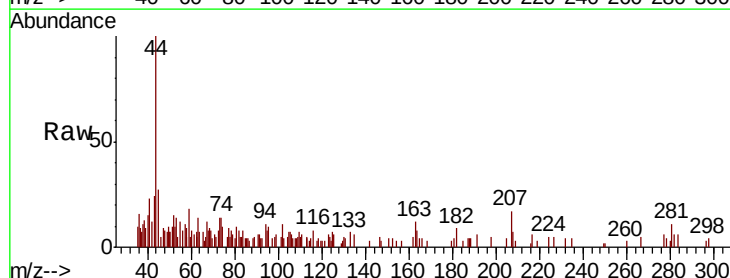
Acq: 11 Sep 2020 18:52

Tgt Ion: 74 Resp: 702

Ion Ratio Lower Upper

74 100

45 89.2 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

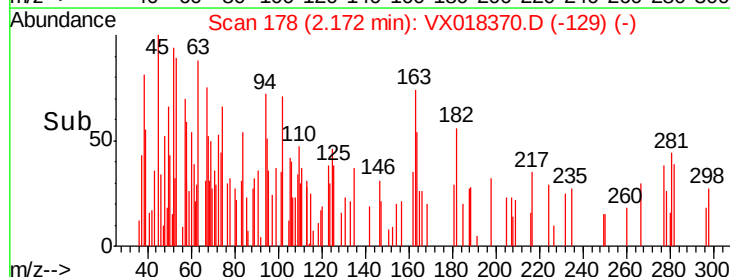
400

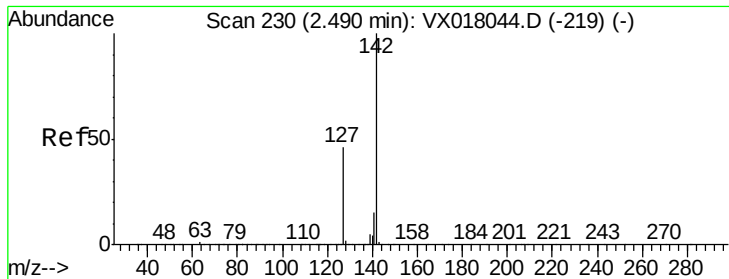
200

0

2.14 2.16 2.18 2.20

Time-->

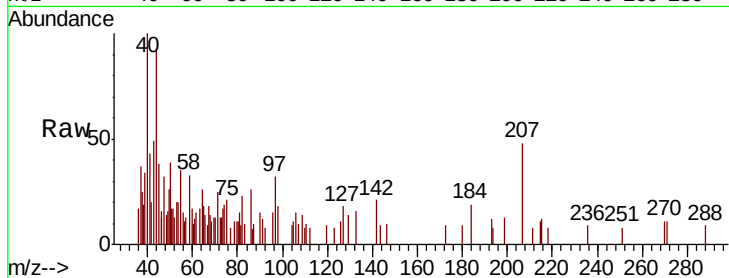




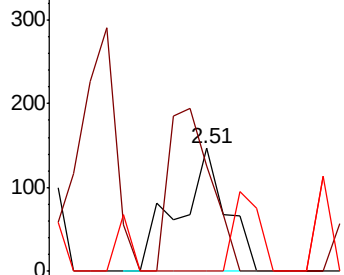
#10
Methvl Iodide
Concen: 5.324 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Instrument :
MSVOA_X
ClientSampleId :

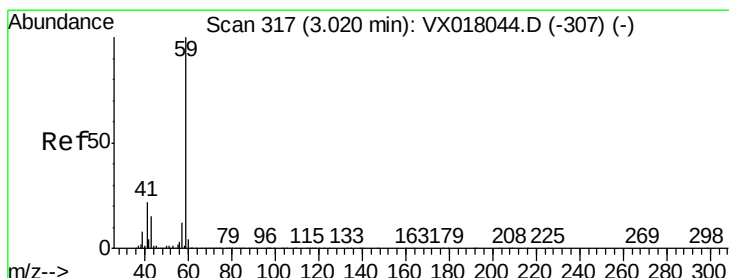
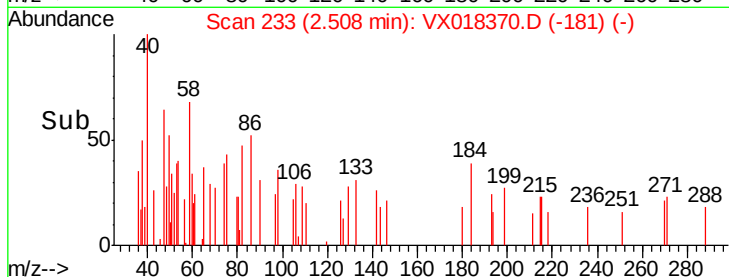
Tot Ion	Ratio	Lower	Upper
142	100		
127	116.7	37.0	55.6#
141	34.4	11.5	17.3#



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

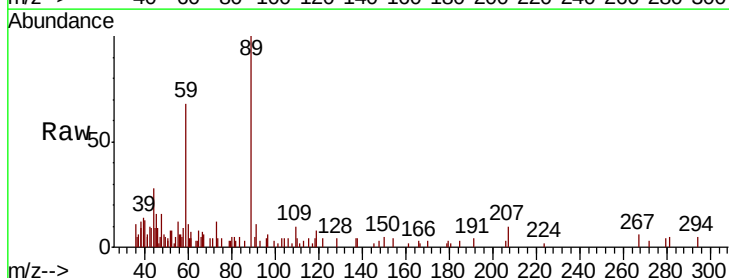


Time--> 2.45 2.50 2.55

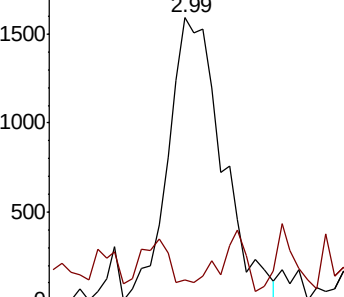


#11
Tert butyl alcohol
Concen: 3.577 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

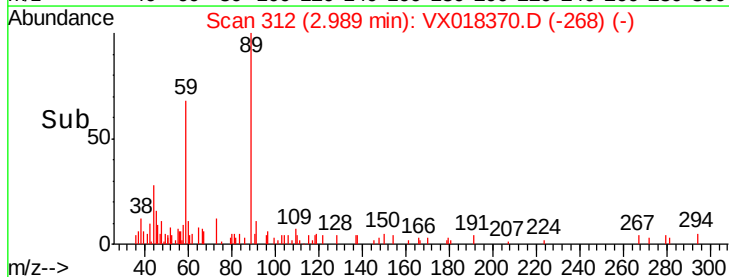
Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.6	8.9	13.3#

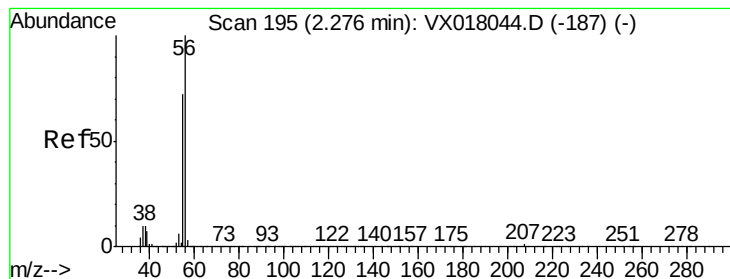


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time--> 2.90 2.95 3.00 3.05





#13

Acrolein

Concen: 0.361 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

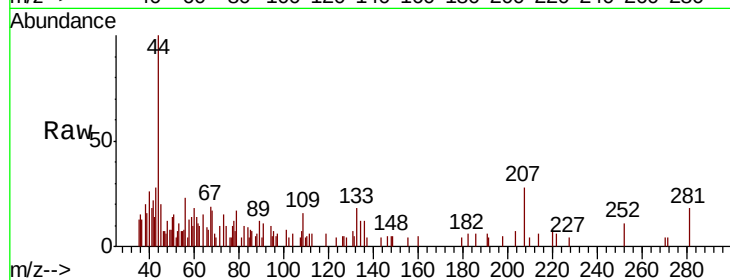
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 174

Ion Ratio Lower Upper

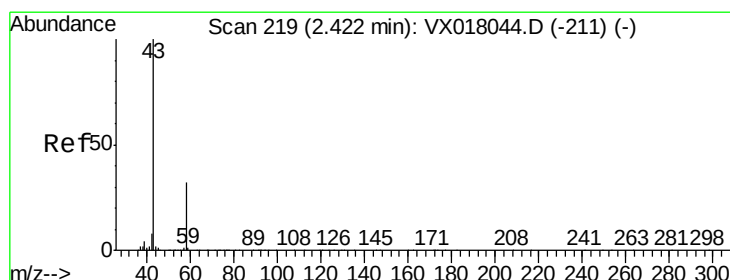
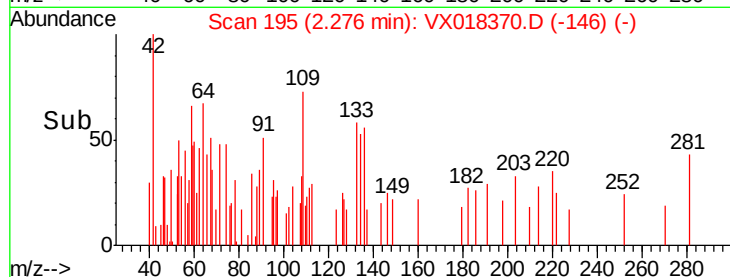
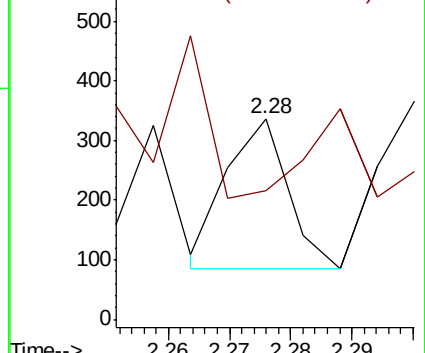
56 100

55 0.0 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 13.454 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018370.D

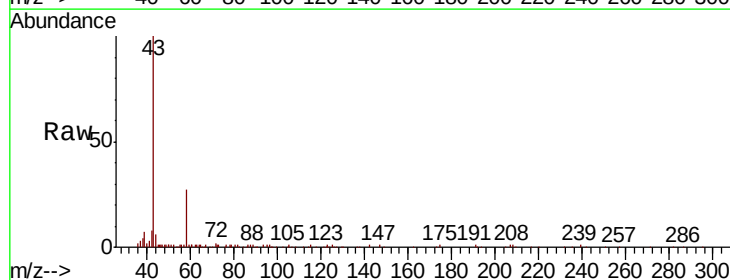
Acq: 11 Sep 2020 18:52

Tgt Ion: 43 Resp: 31332

Ion Ratio Lower Upper

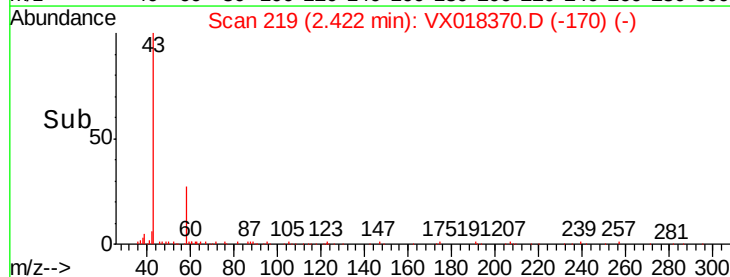
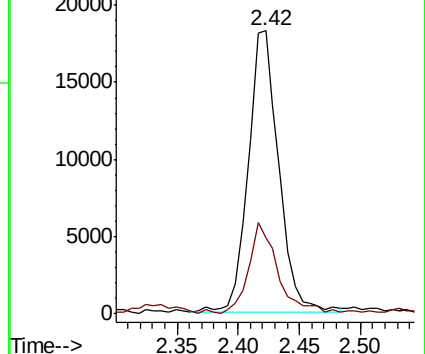
43 100

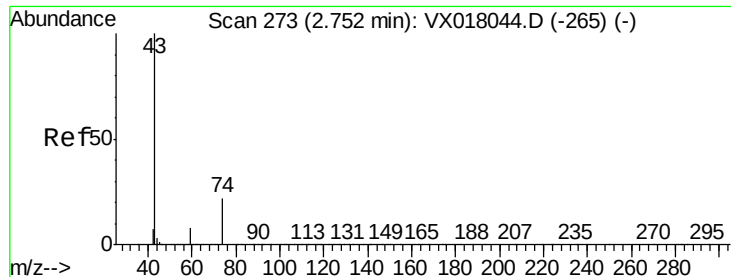
58 26.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

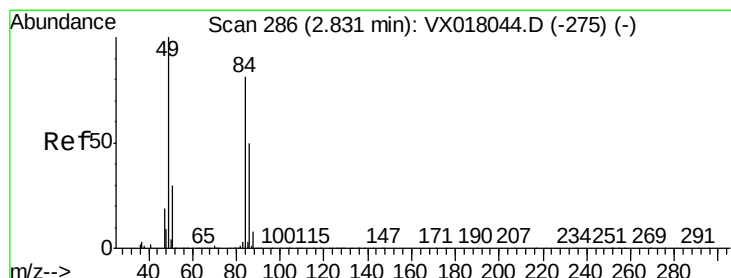
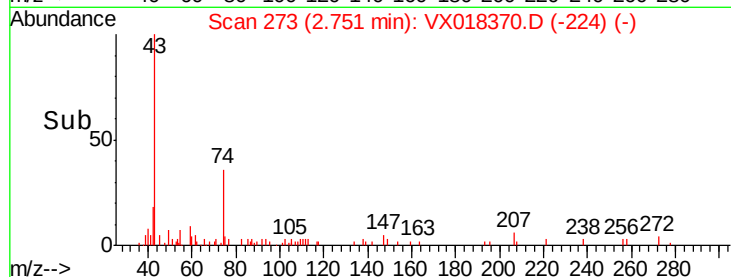
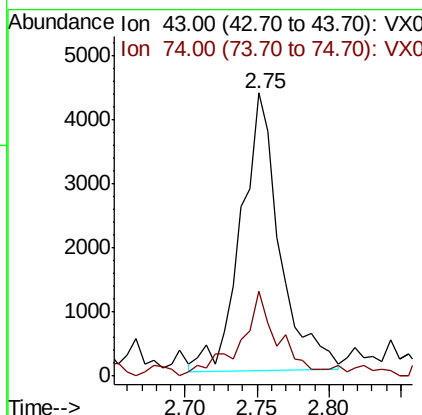
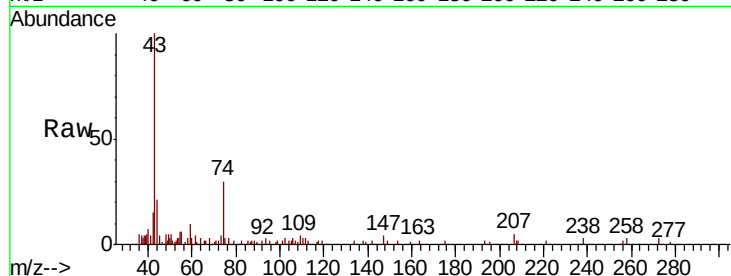




#18
Methvl Acetate
Concen: 1.429 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

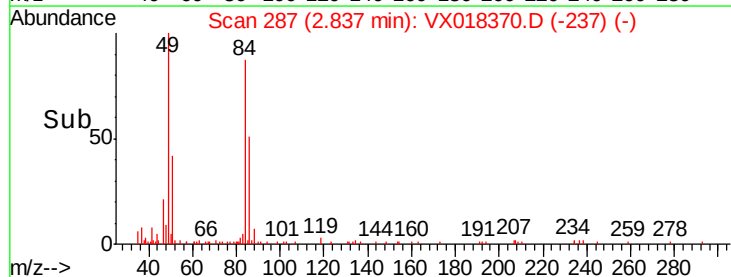
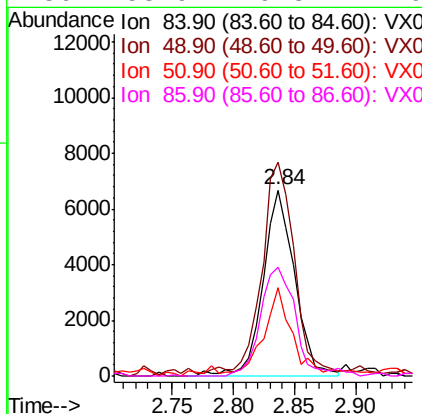
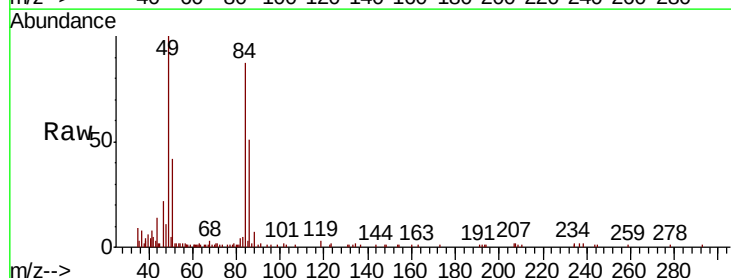
Instrument :
MSVOA_X
ClientSampleId :

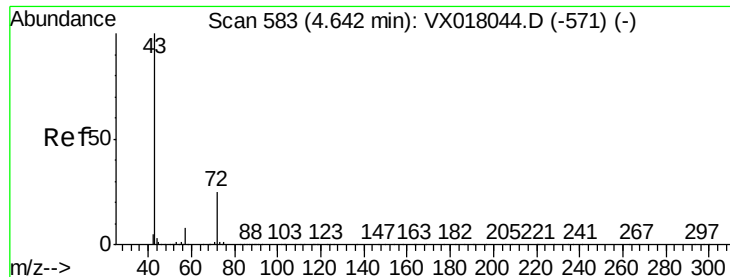
Tot Ion: 43 Resp: 8028
Ion Ratio Lower Upper
43 100
74 29.8 18.2 27.4#



#20
Methylene Chloride
Concen: 1.391 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Tgt Ion: 84 Resp: 12028
Ion Ratio Lower Upper
84 100
49 112.2 98.6 148.0
51 45.4 29.6 44.4#
86 58.9 49.8 74.6

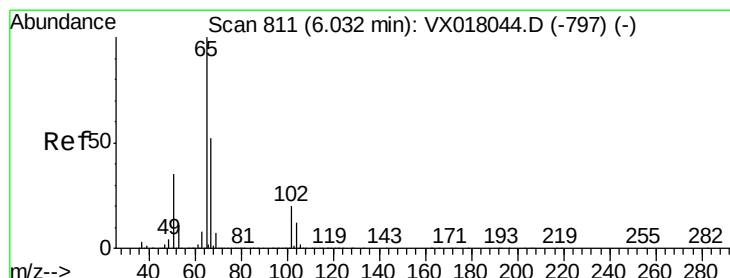
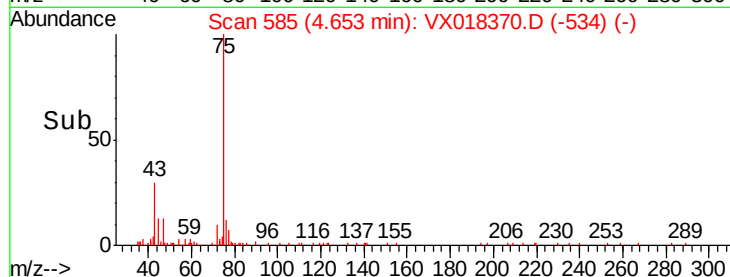
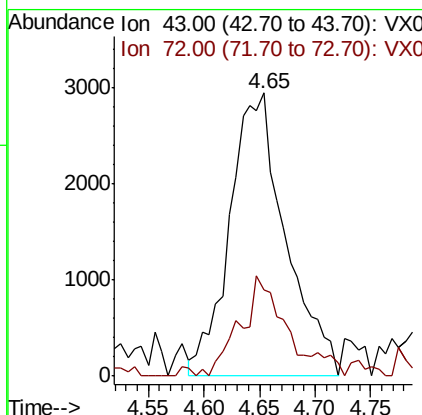
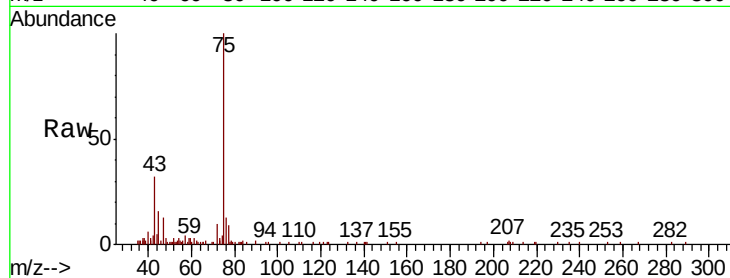




#25
2-Butanone
Concen: 2.689 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

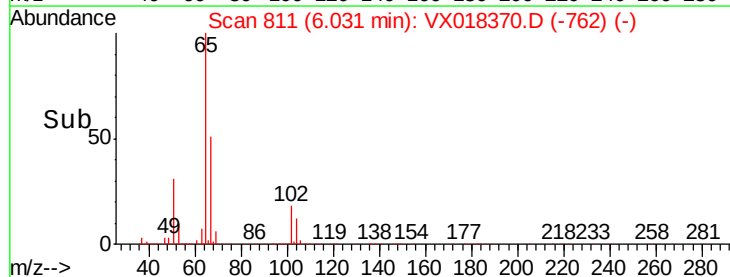
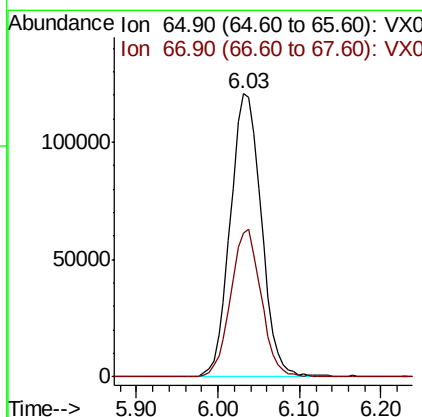
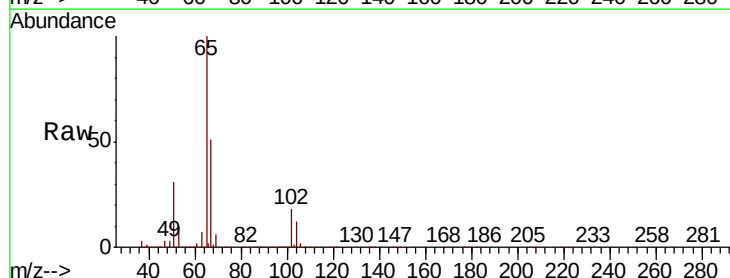
Instrument :
MSVOA_X
ClientSampleId :

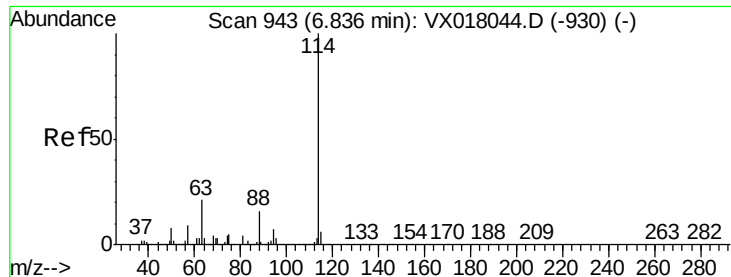
Tot Ion: 43 Resp: 10293
Ion Ratio Lower Upper
43 100
72 27.8 19.8 29.6



#33
1,2-Dichloroethane-d4
Concen: 53.034 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Tgt Ion: 65 Resp: 316952
Ion Ratio Lower Upper
65 100
67 51.1 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: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

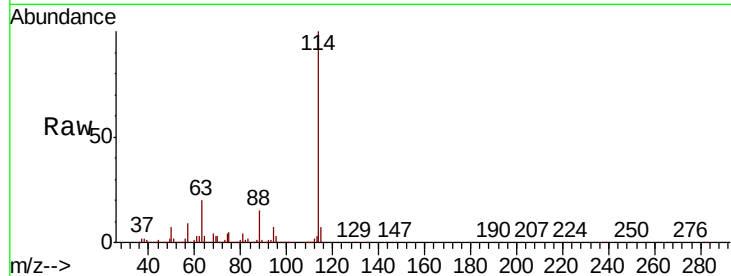
Tot Ion:114 Resp: 706890

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

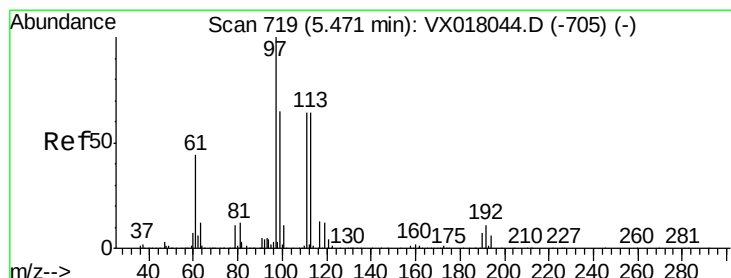
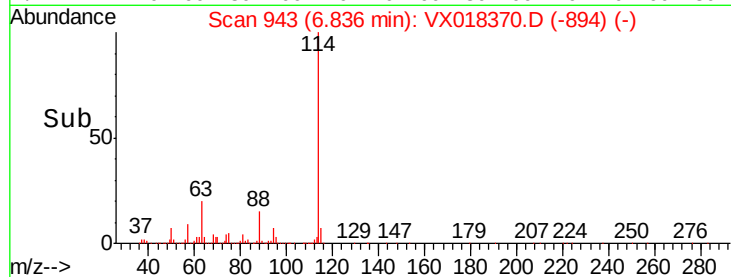
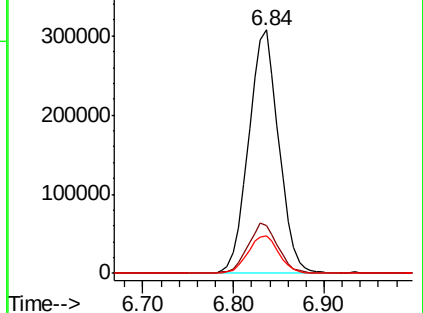
88 15.5 0.0 31.8



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: 51.128 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

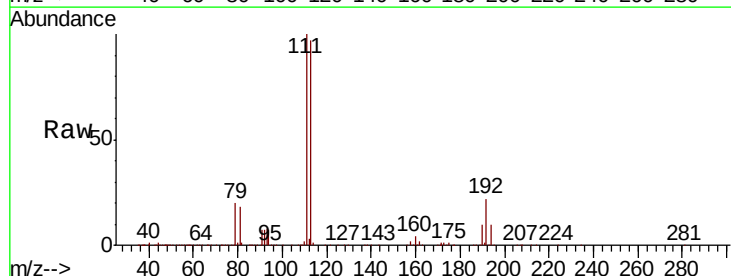
Tgt Ion:113 Resp: 246143

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

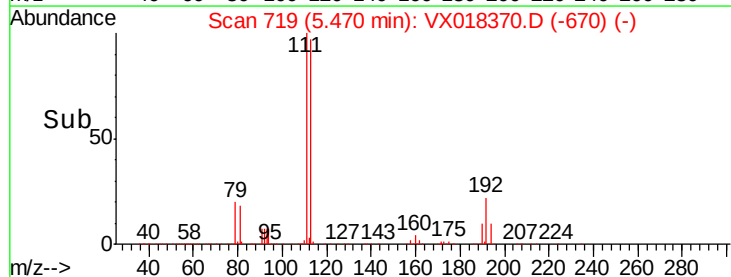
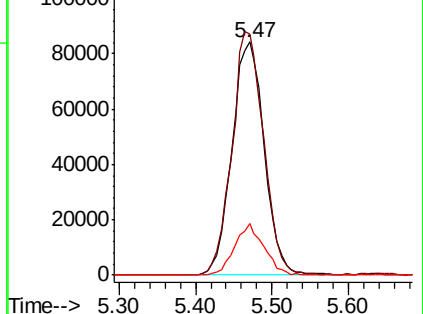
192 20.3 15.8 23.8

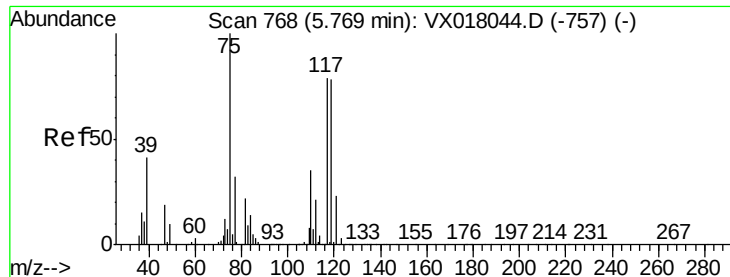


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

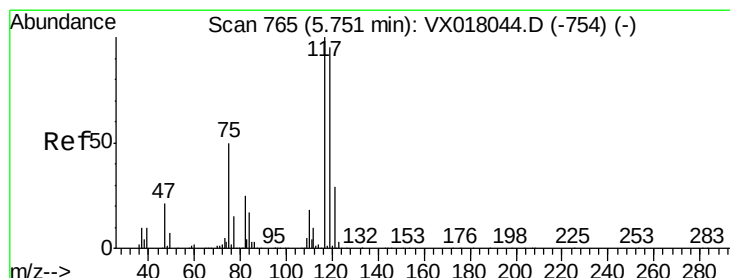
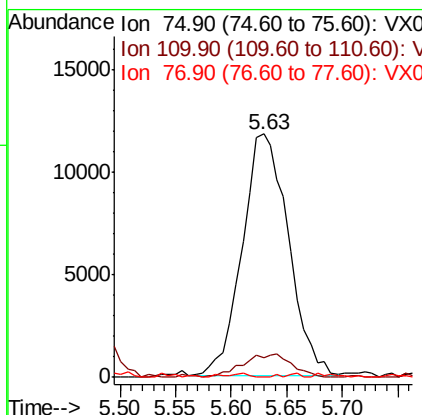
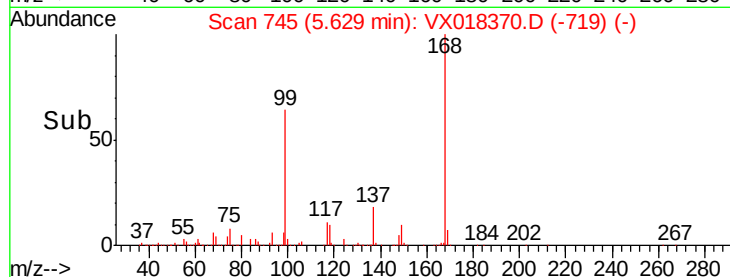
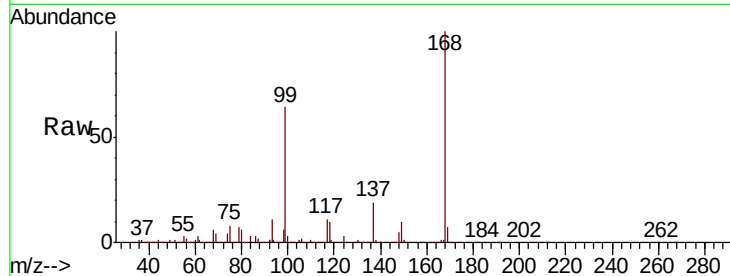




#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018370.D
 Acq: 11 Sep 2020 18:52

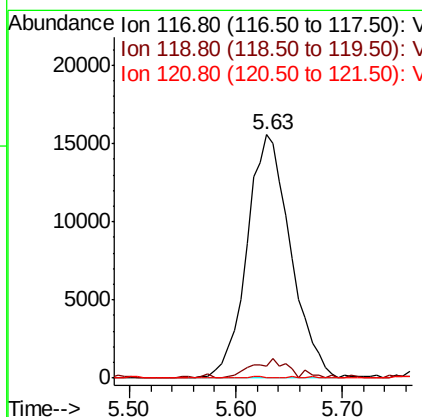
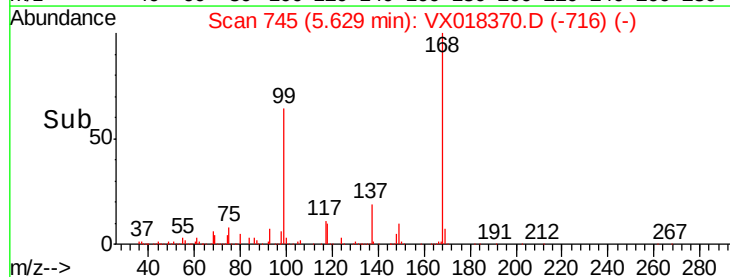
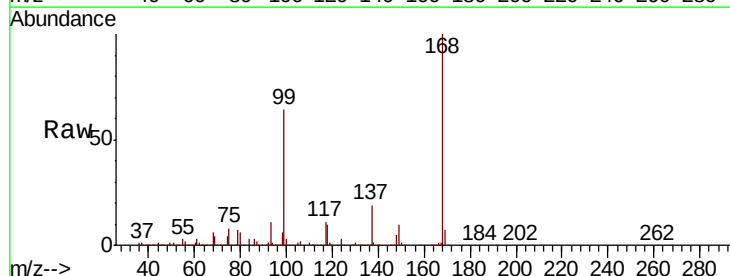
Instrument :
 MSVOA_X
 ClientSampleId :

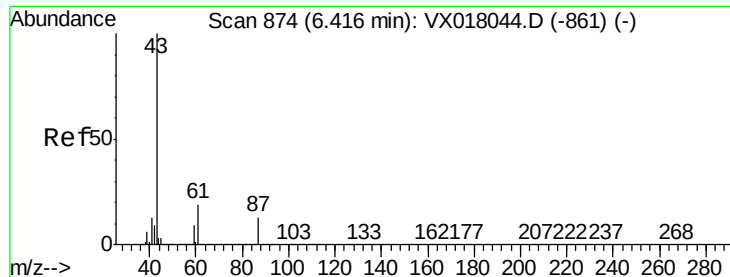
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.0	54.0#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.058 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018370.D
 Acq: 11 Sep 2020 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.6#
121	0.0	23.4	35.0#





#43

Isopropyl Acetate

Concen: 9.991 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

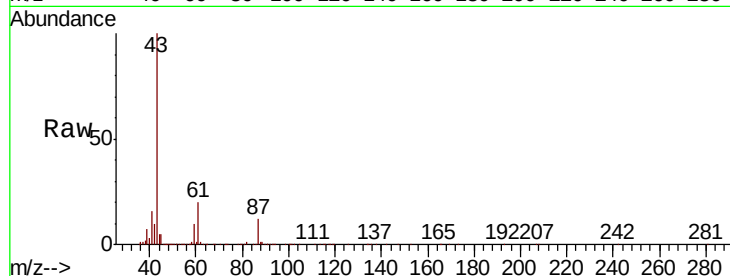
Tot Ion: 43 Resp: 122200

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

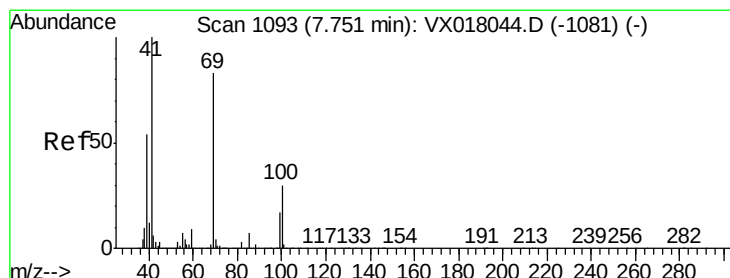
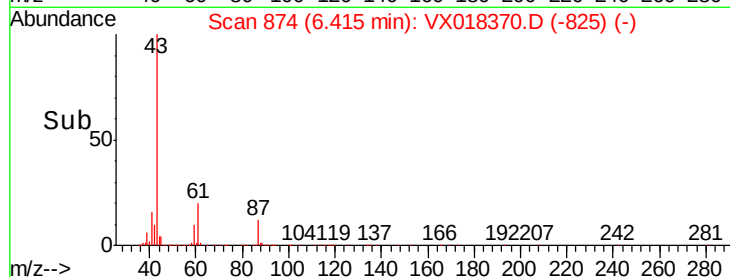
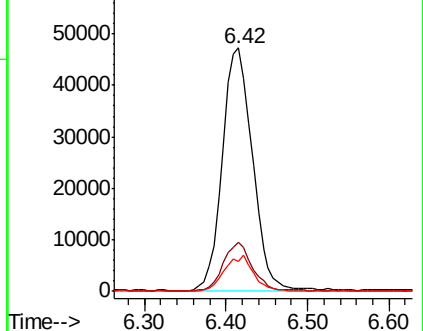
87 14.2 10.3 15.5



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: 1.198 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

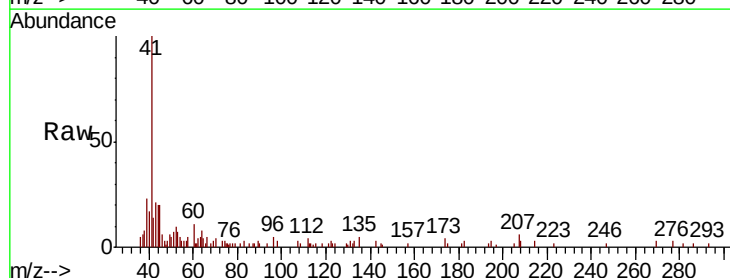
Tgt Ion: 41 Resp: 7297

Ion Ratio Lower Upper

41 100

69 0.0 65.5 98.3#

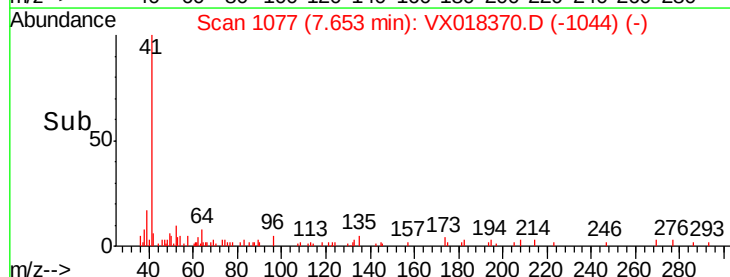
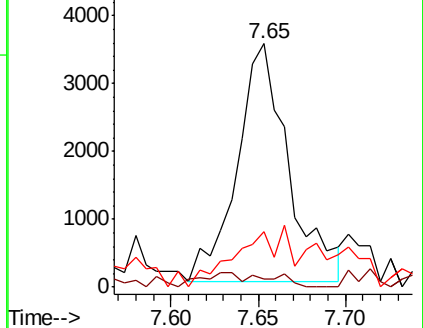
39 0.0 44.5 66.7#

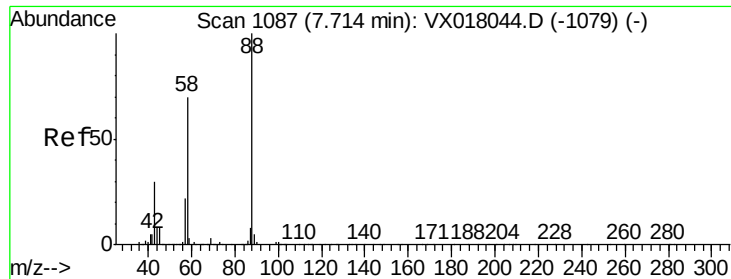


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.716 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

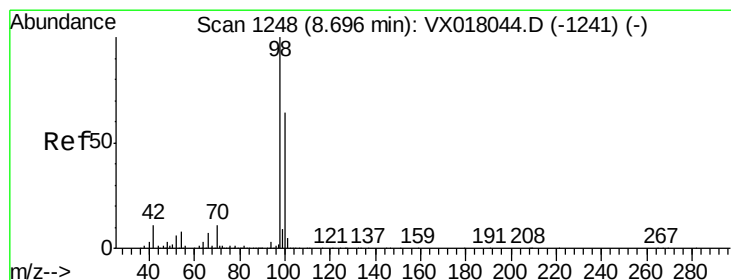
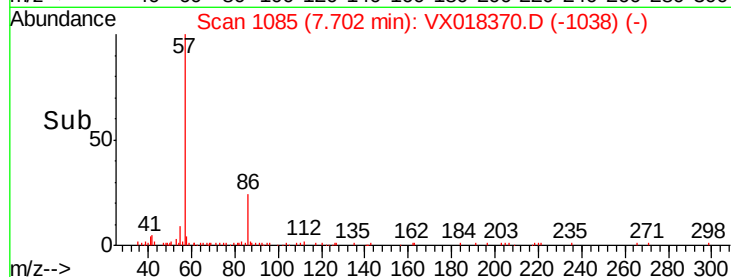
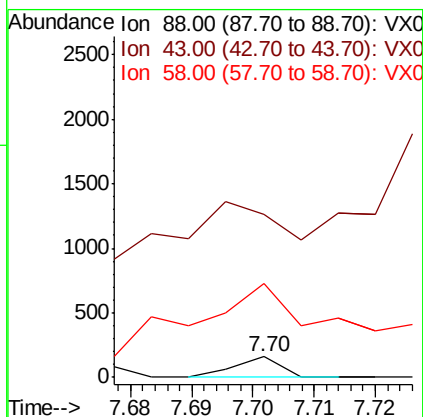
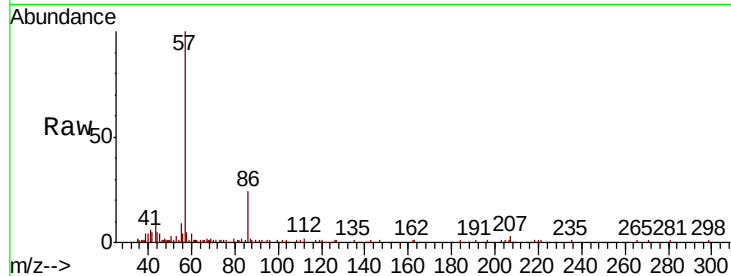
Tot Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 1810.1 56.4 84.6#



#50

Toluene-d8

Concen: 49.184 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018370.D

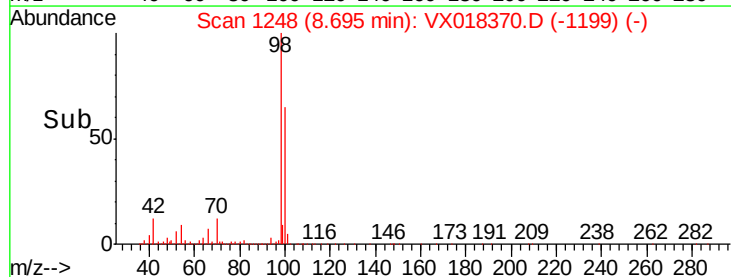
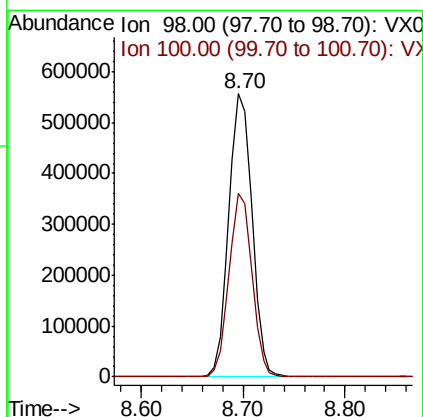
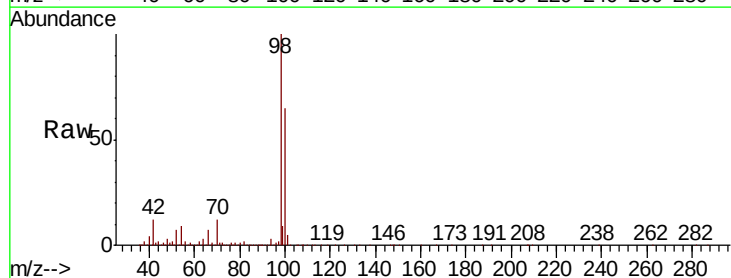
Acq: 11 Sep 2020 18:52

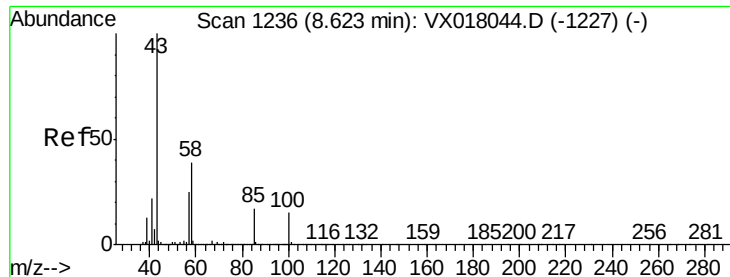
Tgt Ion: 98 Resp: 881917

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.4

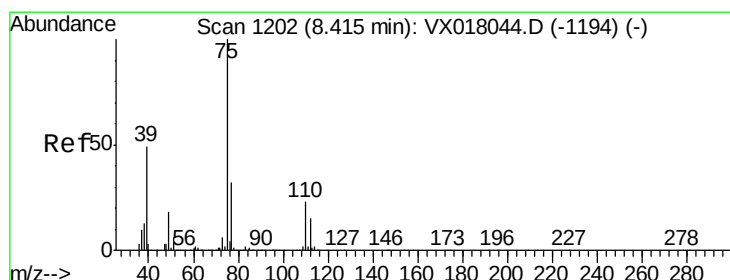
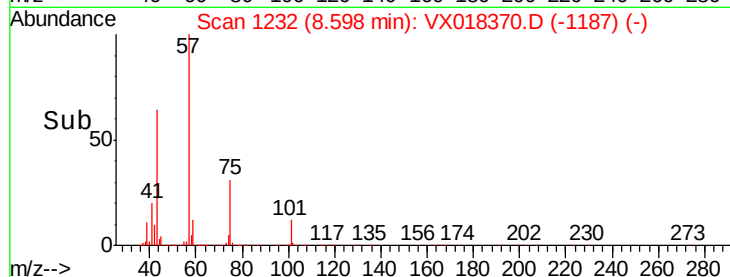
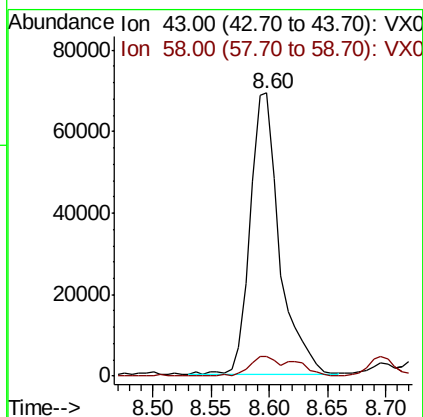
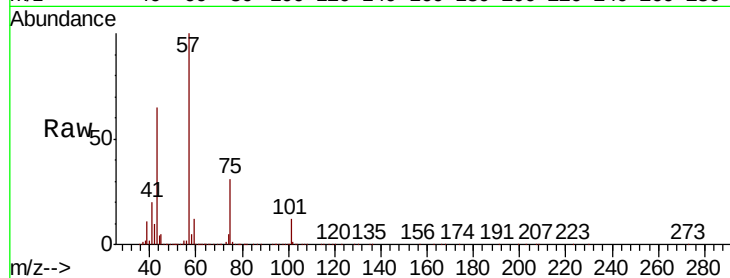




#51
4-Methyl-2-Pentanone
Concen: 16.181 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

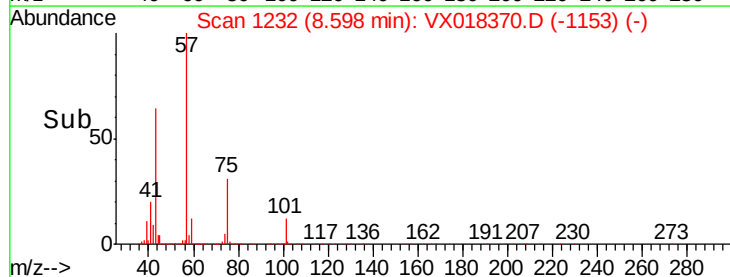
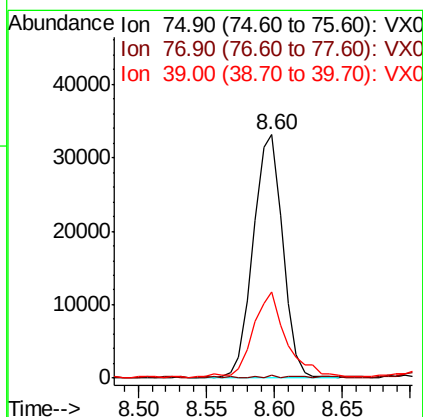
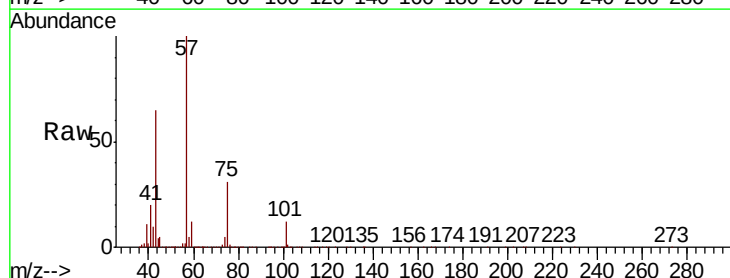
Instrument :
MSVOA_X
ClientSampleId :

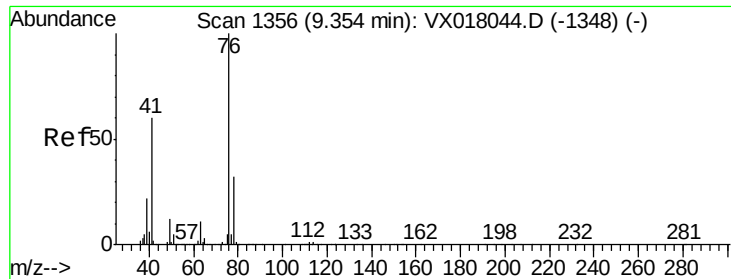
Tot Ion: 43 Resp: 122255
Ion Ratio Lower Upper
43 100
58 6.8 30.7 46.1#



#54
cis-1,3-Dichloropropene
Concen: 5.933 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. 0.18 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Tgt Ion: 75 Resp: 50506
Ion Ratio Lower Upper
75 100
77 0.7 25.8 38.8#
39 35.1 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.019 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

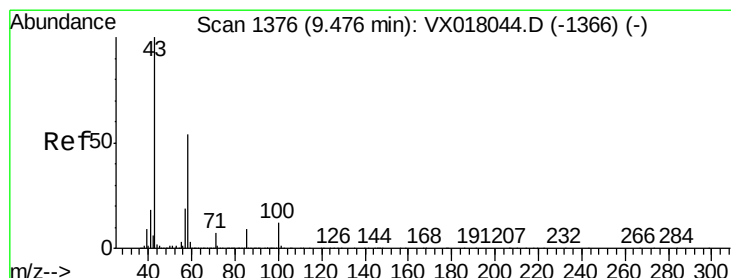
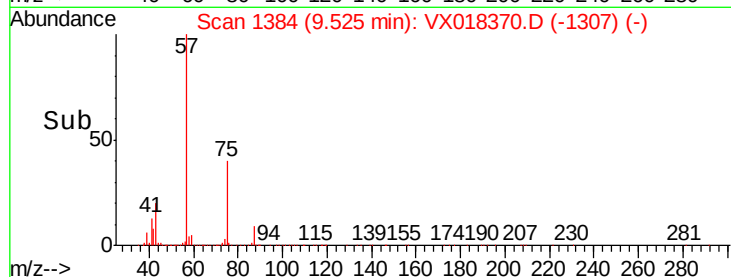
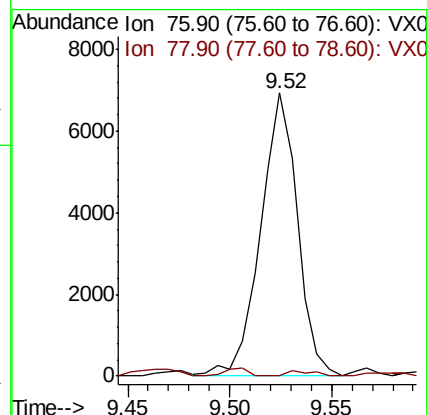
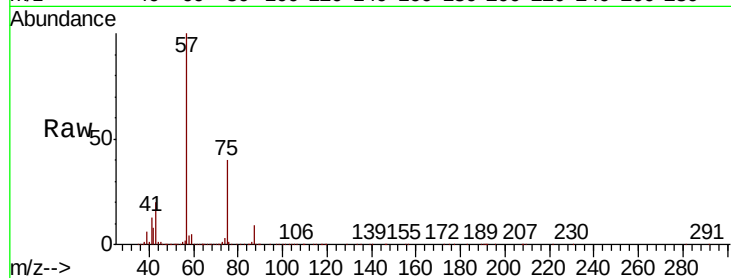
ClientSampleId :

Tot Ion: 76 Resp: 8709

Ion Ratio Lower Upper

76 100

78 1.3 25.8 38.6#



#59

2-Hexanone

Concen: 20.855 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018370.D

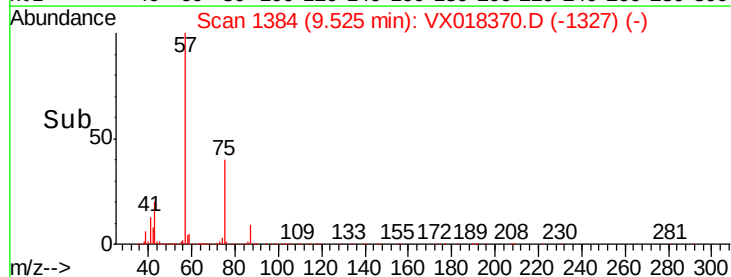
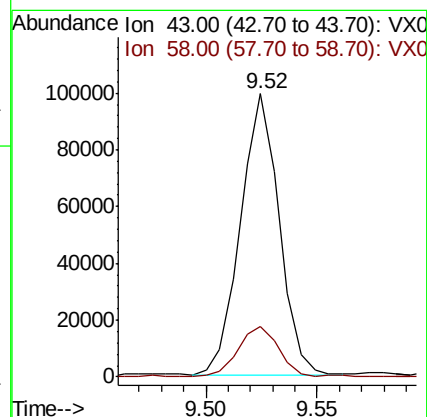
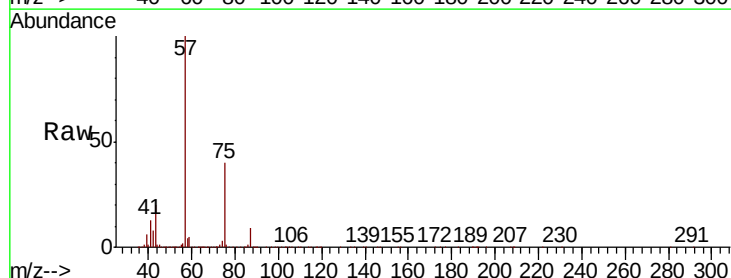
Acq: 11 Sep 2020 18:52

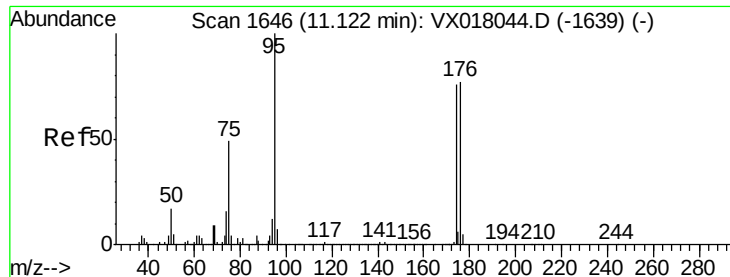
Tgt Ion: 43 Resp: 119809

Ion Ratio Lower Upper

43 100

58 18.9 26.6 79.7#

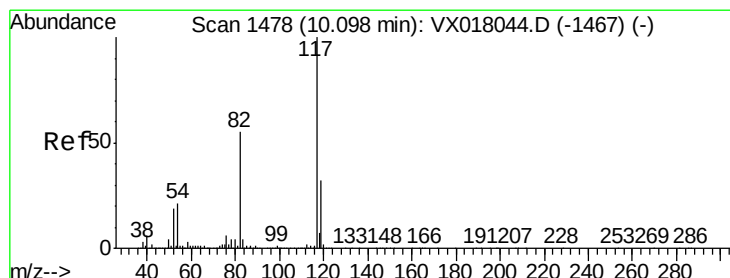
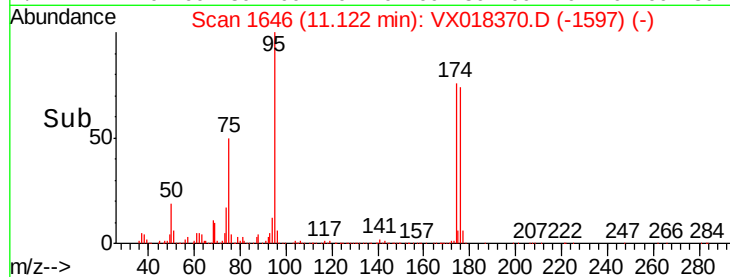
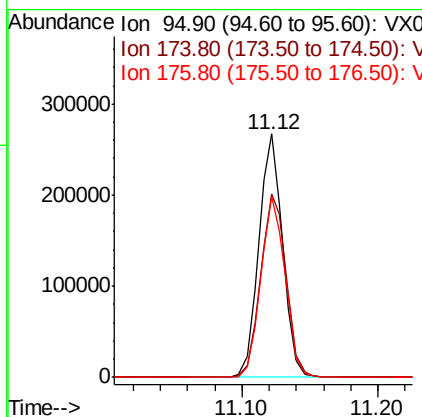
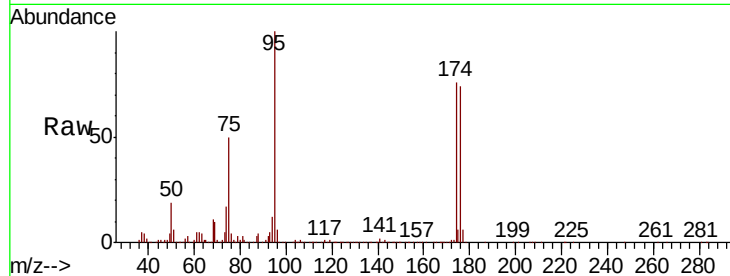




#62
4-Bromofluorobenzene
Concen: 46.549 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

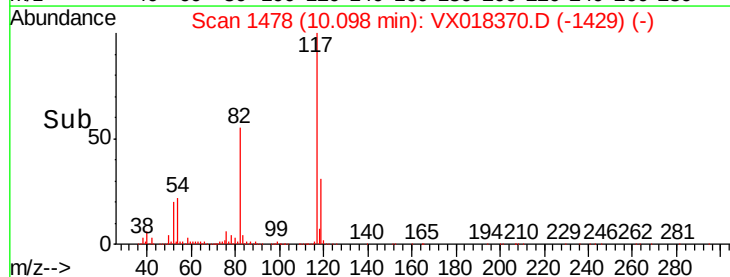
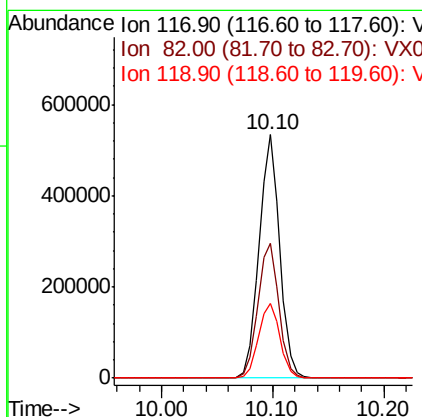
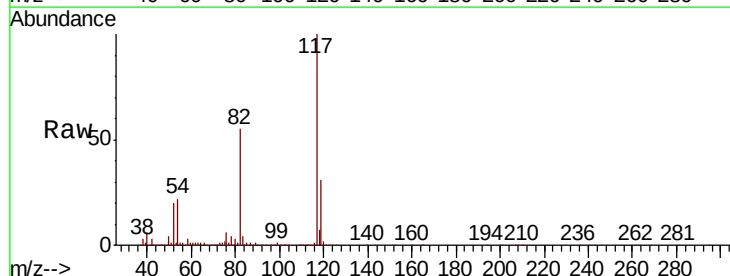
Instrument :
MSVOA_X
ClientSampleId :

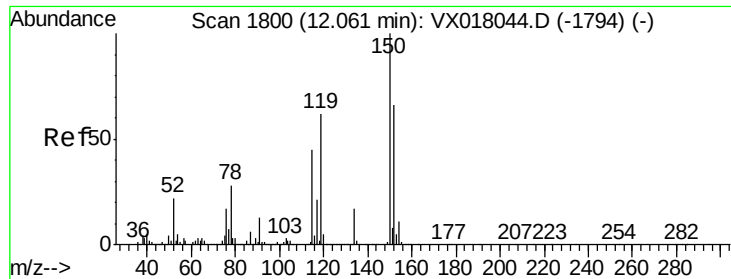
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	160.2
176	76.5	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	30.8	25.7	38.5



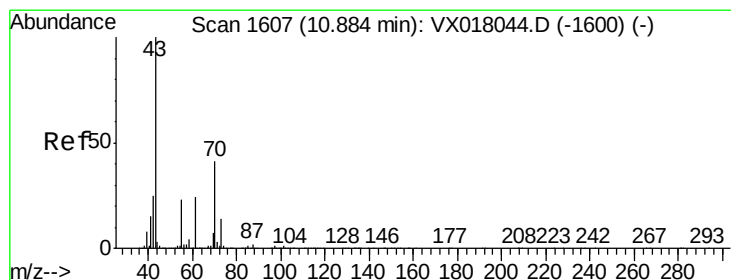
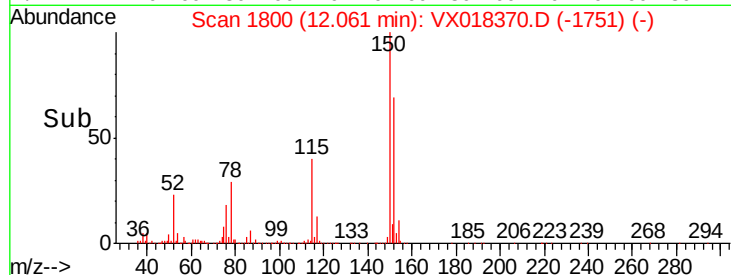
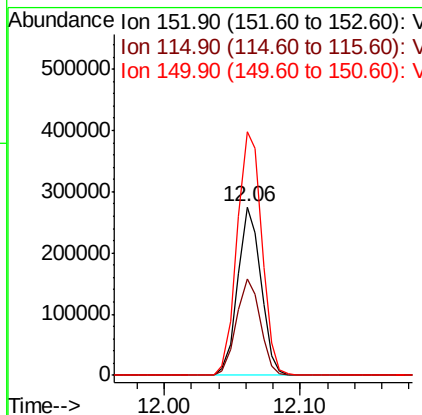
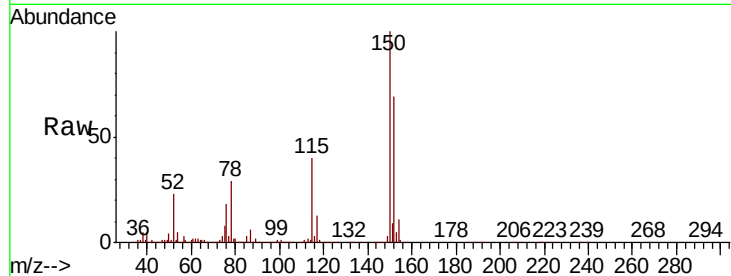


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Instrument :
MSVOA_X
ClientSampled :

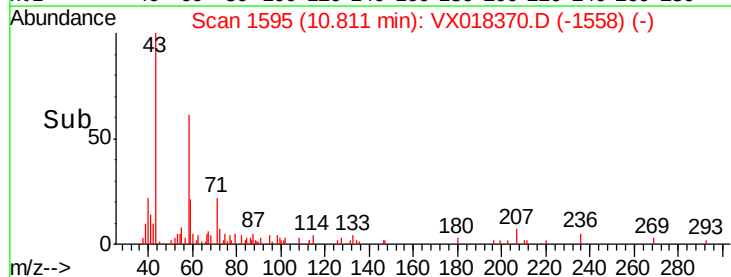
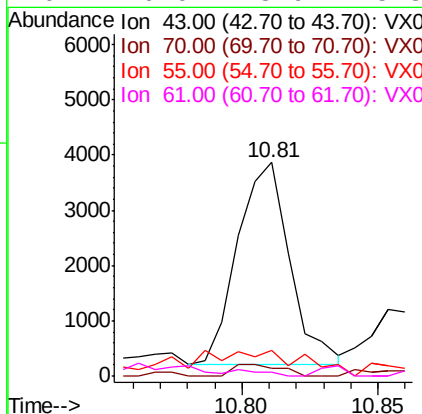
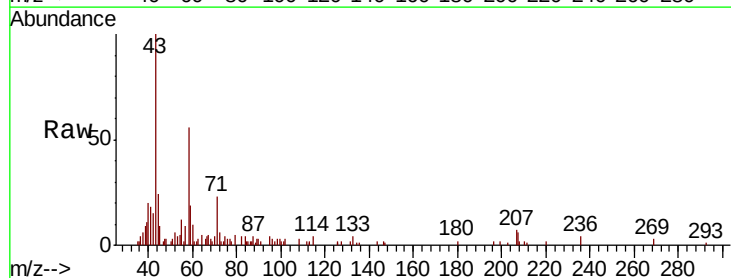
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	41.5	124.5
150	153.4	0.0	343.8

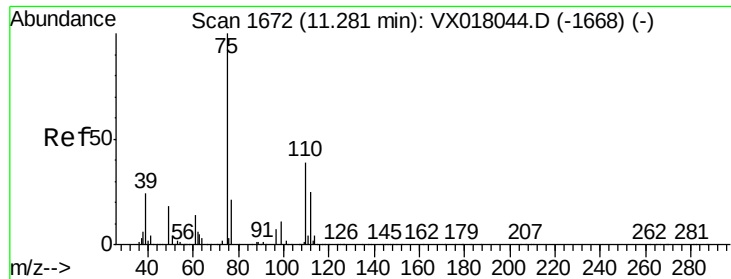


#74

N-ethyl acetate
Concen: 0.471 ug/l
RT: 10.81 min Scan# 1595
Delta R.T. -0.07 min
Lab File: VX018370.D
Acq: 11 Sep 2020 18:52

Tgt Ion	Ratio	Lower	Upper
43	100		
71	5.4	32.3	48.5#
55	29.8	18.2	27.2#
61	0.0	18.9	28.3#





#76

1,2,3-Trichloropropane

Concen: 23.079 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Instrument :

MSVOA_X

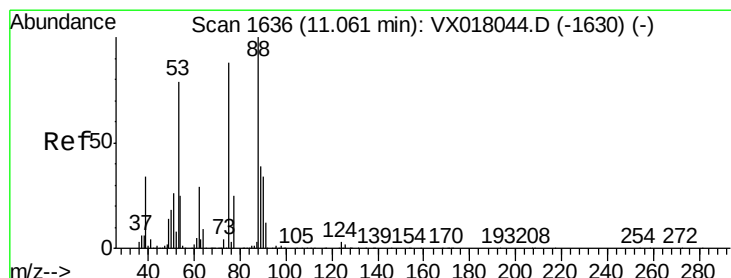
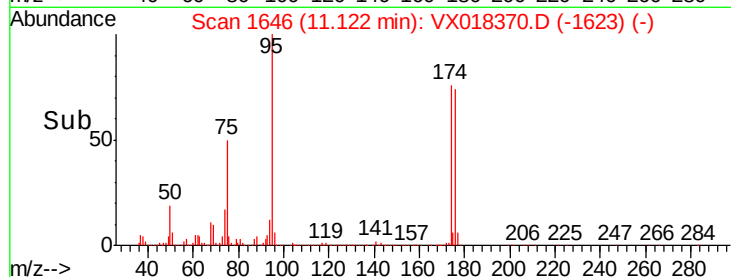
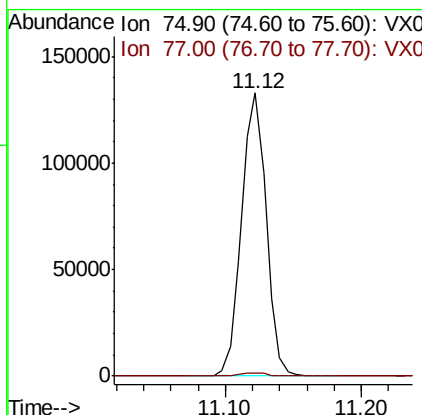
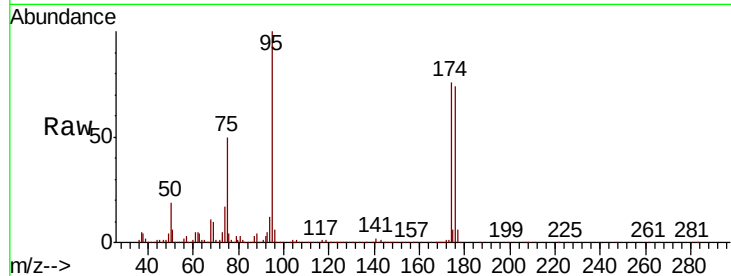
ClientSampled :

Tot Ion: 75 Resp: 168235

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.333 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018370.D

Acq: 11 Sep 2020 18:52

Tgt Ion: 75 Resp: 168235

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#

