

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018369.D
 Acq On : 11 Sep 2020 18:30
 Operator : JC/SP
 Sample : PB131535ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 06:00:11 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	452762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	721784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	719391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	347254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	318241	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.47	113	247188	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.70	98	914032	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.12	95	338258	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

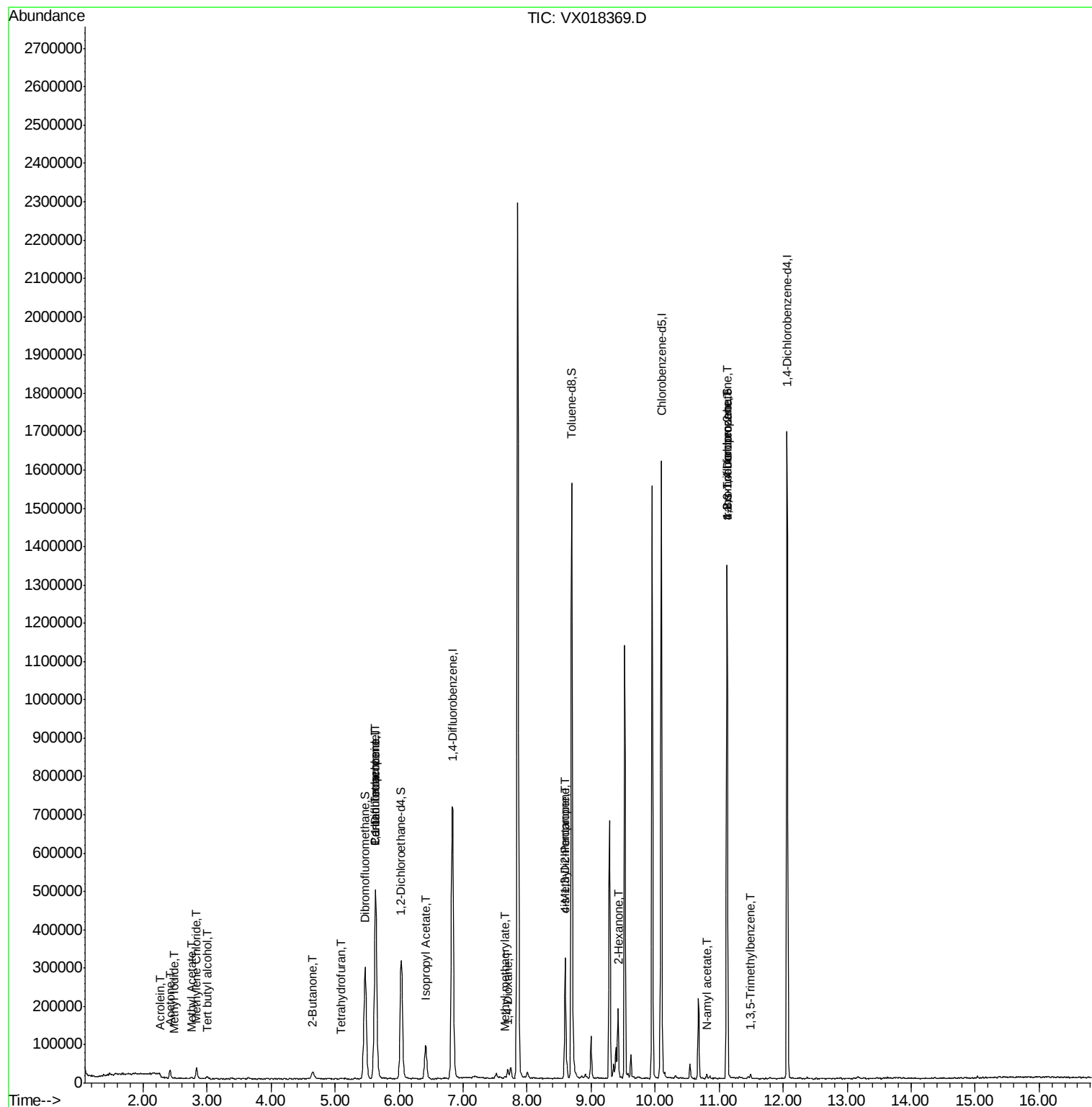
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	290	5.343	ug/l #	84
11) Tert butyl alcohol	2.99	59	4258	3.484	ug/l #	89
13) Acrolein	2.27	56	781	1.541	ug/l #	47
16) Acetone	2.42	43	22762	9.294	ug/l	96
18) Methyl Acetate	2.76	43	5284	0.894	ug/l	93
20) Methylene Chloride	2.84	84	14362	1.741	ug/l #	89
25) 2-Butanone	4.64	43	6414	1.593	ug/l #	82
29) Tetrahydrofuran	5.09	42	731	0.285	ug/l #	56
36) 1,1-Dichloropropene	5.62	75	34967	5.252	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47341	6.310	ug/l #	17
43) Isopropyl Acetate	6.42	43	120347	9.636	ug/l	98
48) Methyl methacrylate	7.65	41	6368	1.024	ug/l #	16
49) 1,4-Dioxane	7.70	88	215	1.909	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	118001	15.296	ug/l #	56
54) cis-1,3-Dichloropropene	8.59	75	49519	5.697	ug/l #	64
59) 2-Hexanone	9.42	43	112398	19.161	ug/l #	25
74) N-amyl acetate	10.81	43	5869	0.540	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	179736	23.267	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5485	0.291	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.12	75	179736	62.841	ug/l #	12

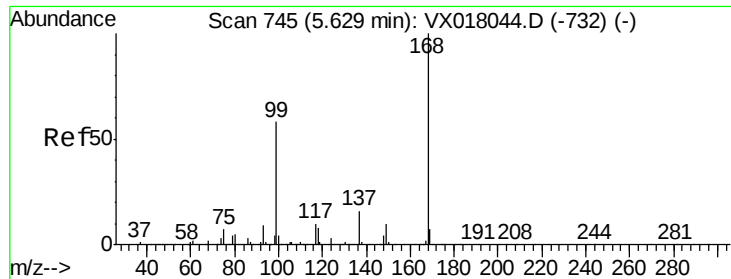
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 12 06:00:11 2020
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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: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

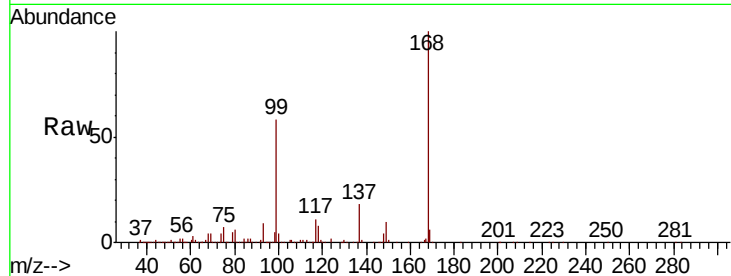
ClientSampled :

Tot Ion:168 Resp: 452762

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

5.63

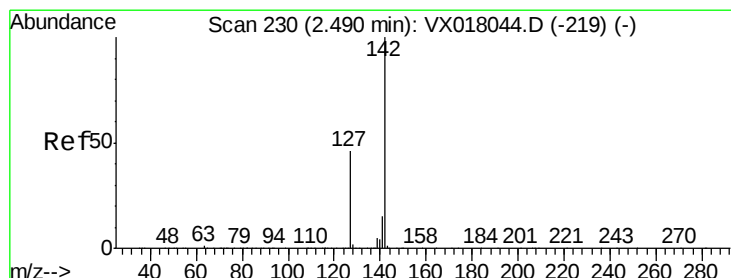
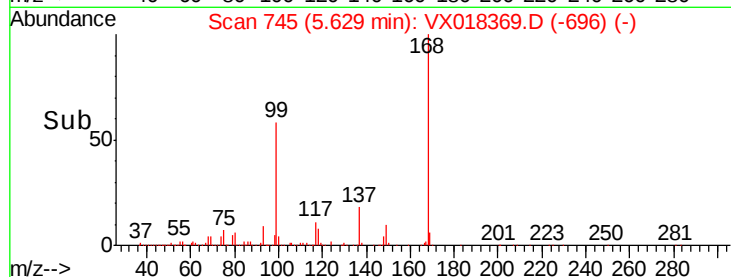
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.343 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

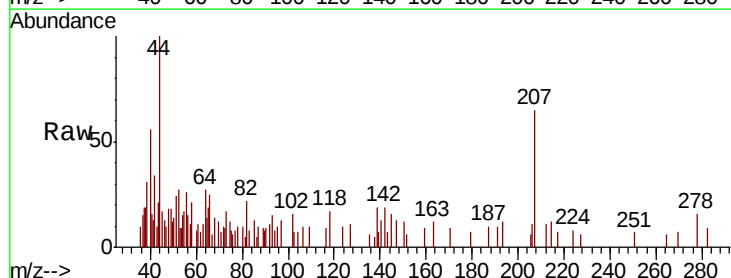
Tgt Ion:142 Resp: 290

Ion Ratio Lower Upper

142 100

127 59.7 37.0 55.6#

141 15.5 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

300

250

200

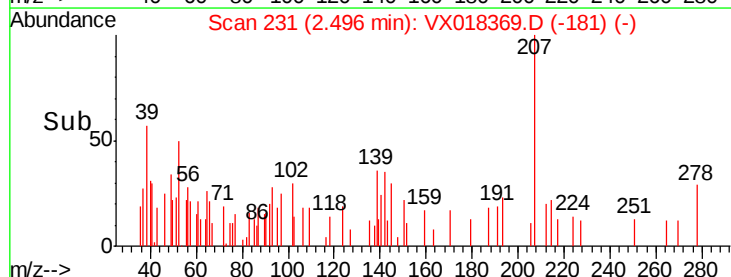
150

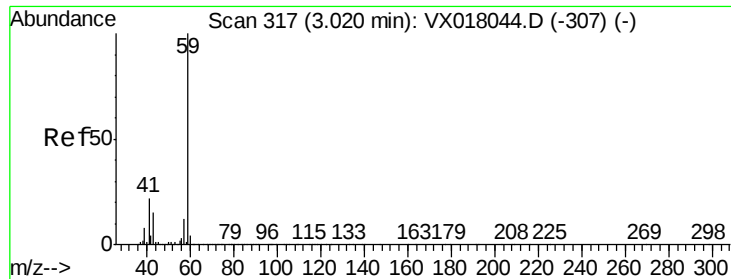
100

50

0

Time-->

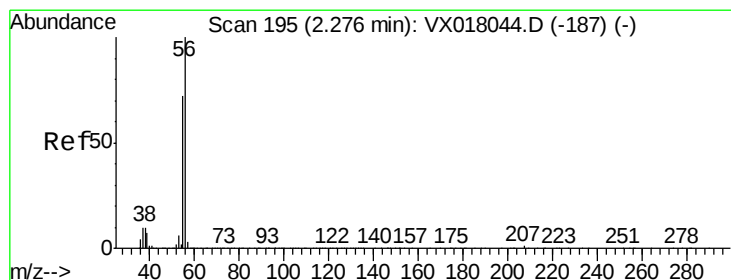
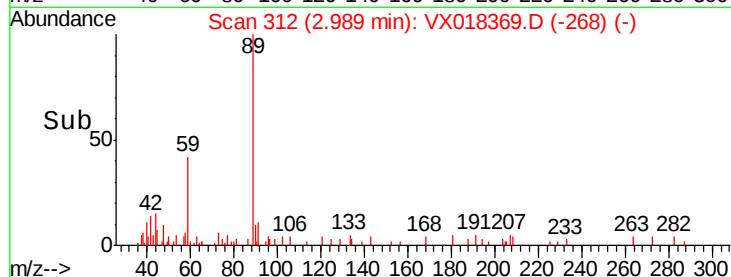
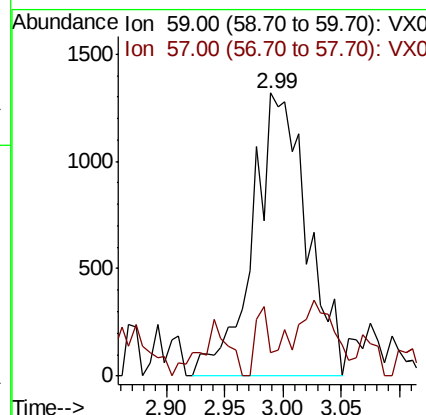
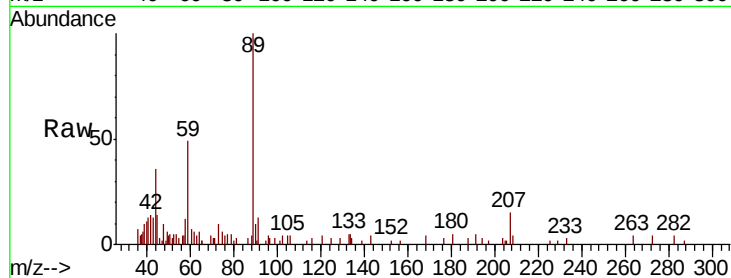




#11
Tert butyl alcohol
Concen: 3.484 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

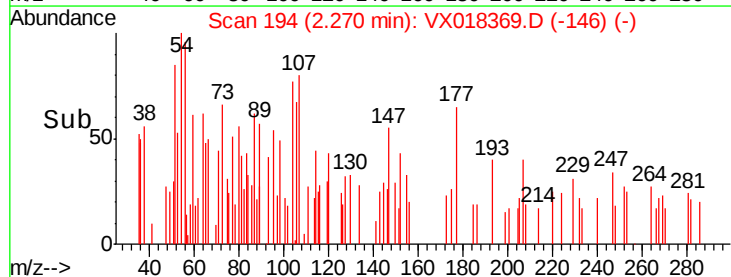
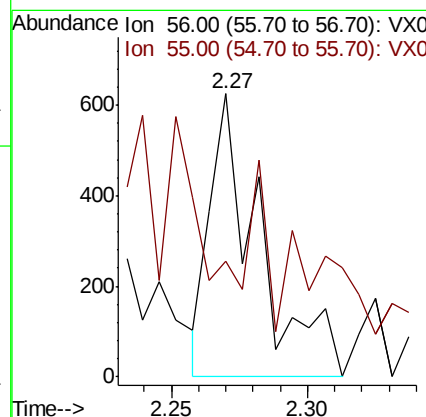
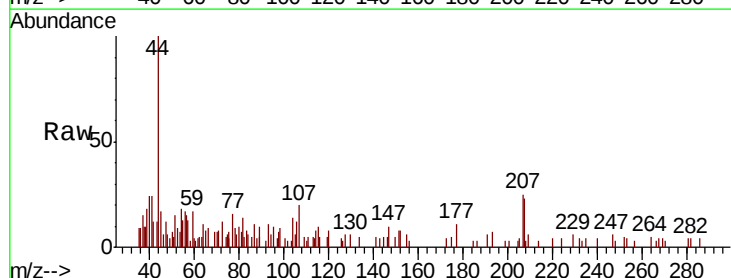
Instrument :
MSVOA_X
ClientSampled :

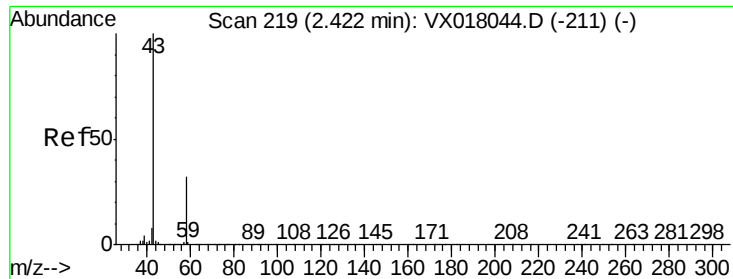
Tot Ion: 59 Resp: 4258
Ion Ratio Lower Upper
59 100
57 7.1 8.9 13.3#



#13
Acrolein
Concen: 1.541 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion: 56 Resp: 781
Ion Ratio Lower Upper
56 100
55 27.3 57.0 85.6#

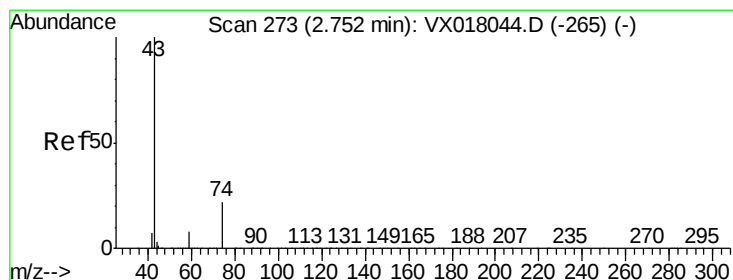
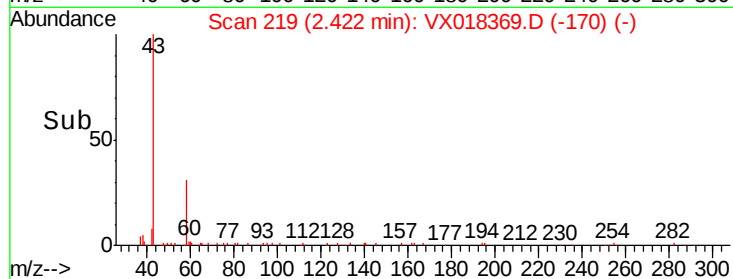
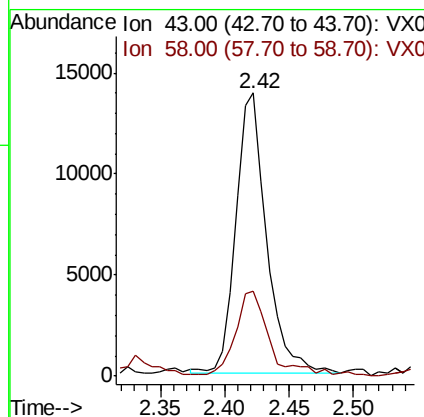
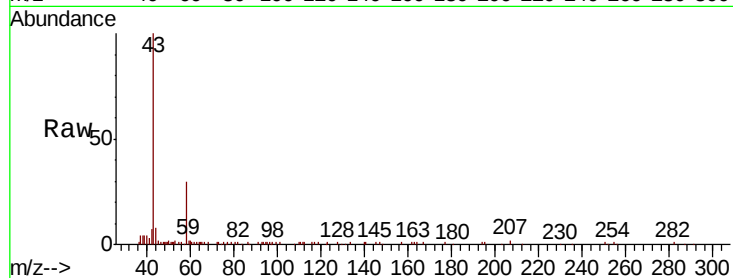




#16
Acetone
Concen: 9.294 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

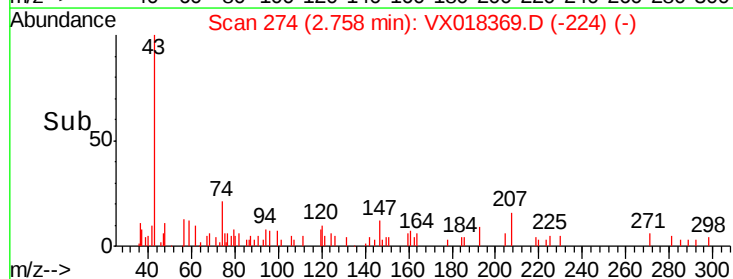
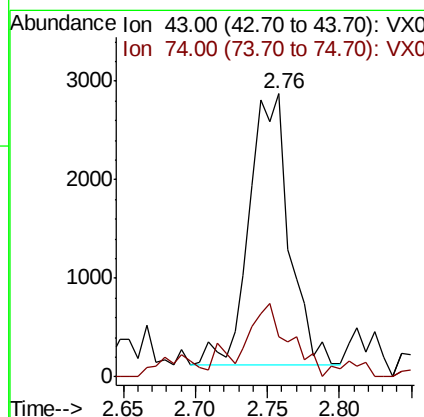
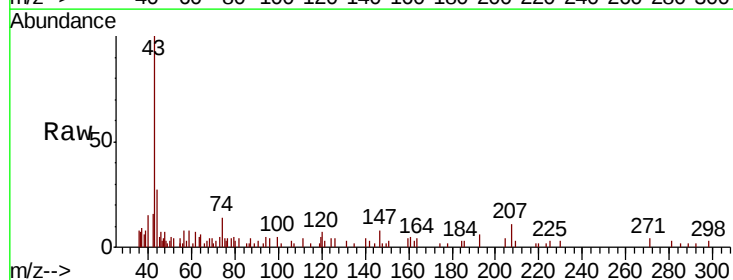
Instrument :
MSVOA_X
ClientSampleId :

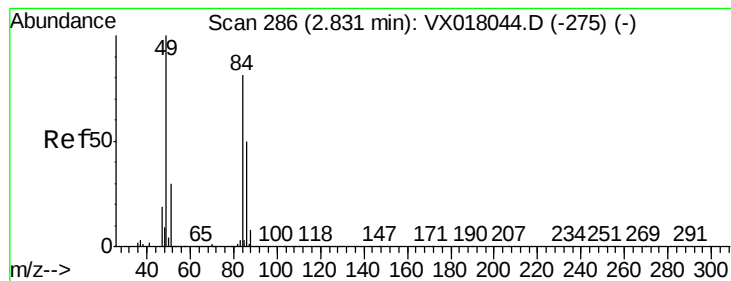
Tot Ion: 43 Resp: 22762
Ion Ratio Lower Upper
43 100
58 29.5 25.5 38.3



#18
Methyl Acetate
Concen: 0.894 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion: 43 Resp: 5284
Ion Ratio Lower Upper
43 100
74 26.1 18.2 27.4





#20

Methvlene Chloride

Concen: 1.741 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 14362

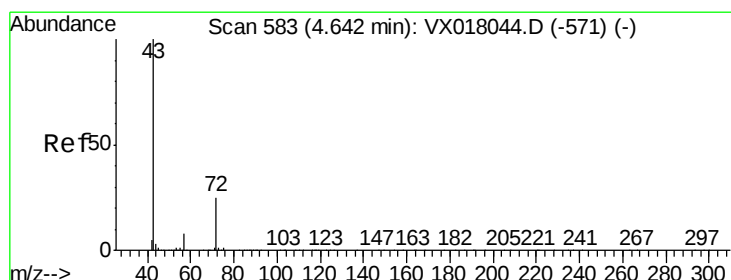
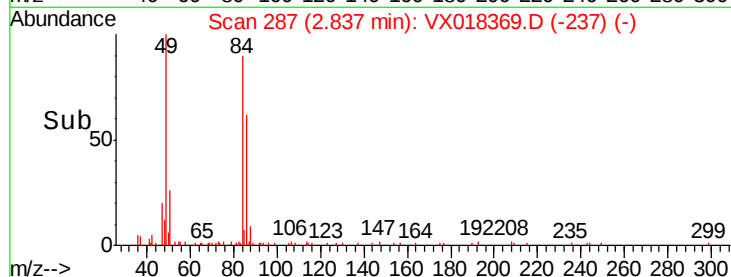
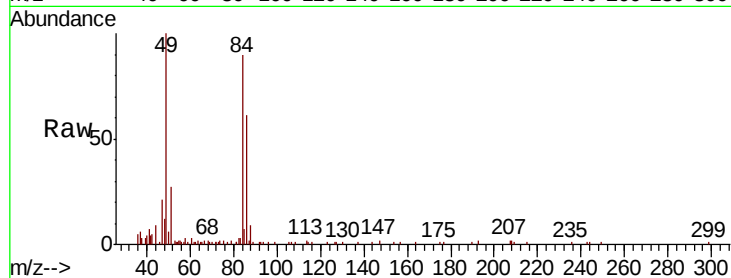
Ion Ratio Lower Upper

84 100

49 110.1 98.6 148.0

51 27.4 29.6 44.4#

86 68.5 49.8 74.6



#25

2-Butanone

Concen: 1.593 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018369.D

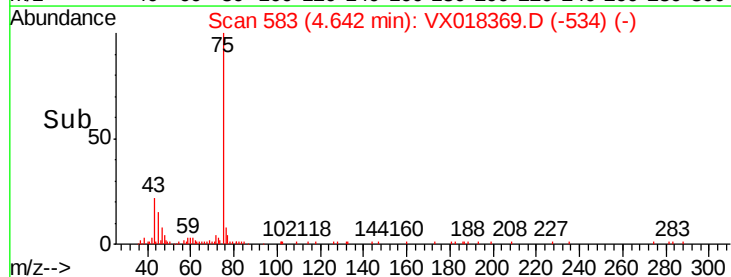
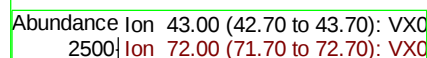
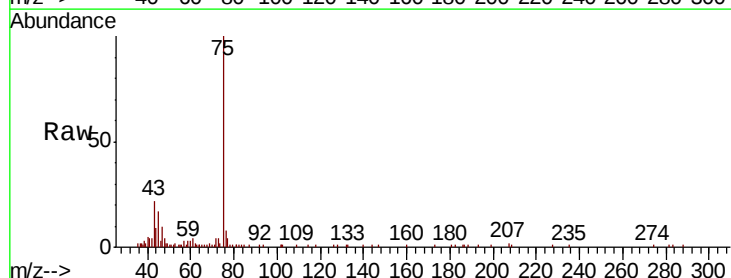
Acq: 11 Sep 2020 18:30

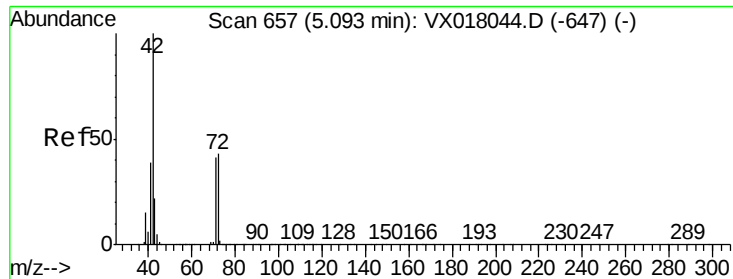
Tgt Ion: 43 Resp: 6414

Ion Ratio Lower Upper

43 100

72 15.6 19.8 29.6#

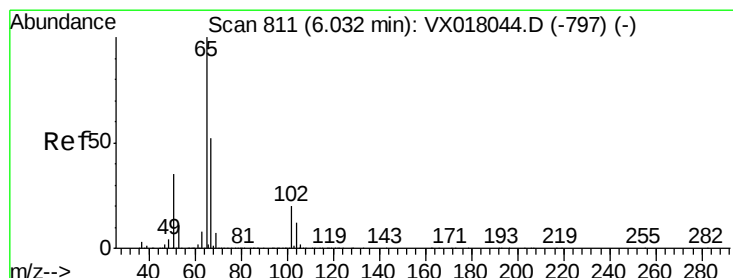
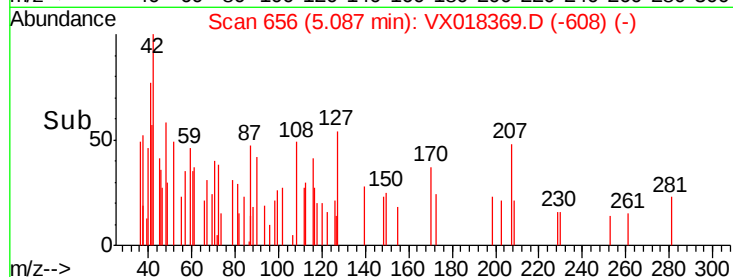
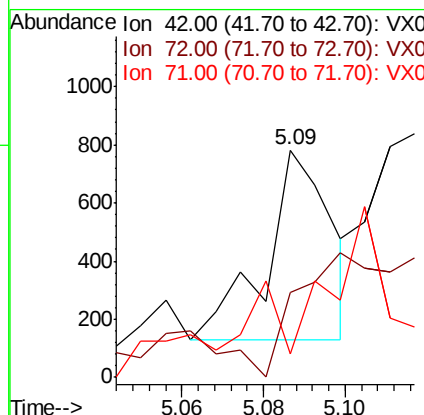
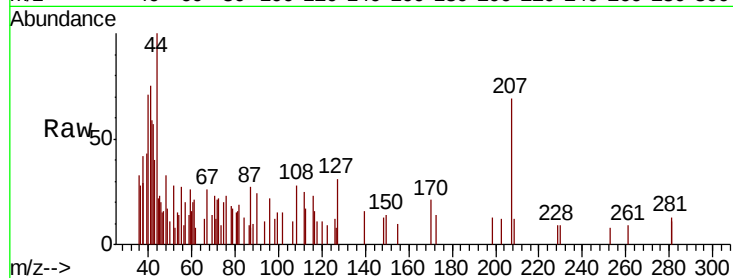




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

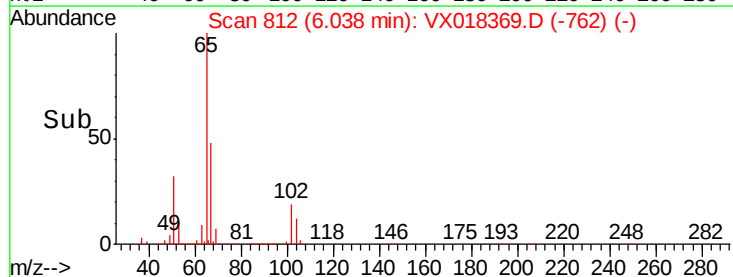
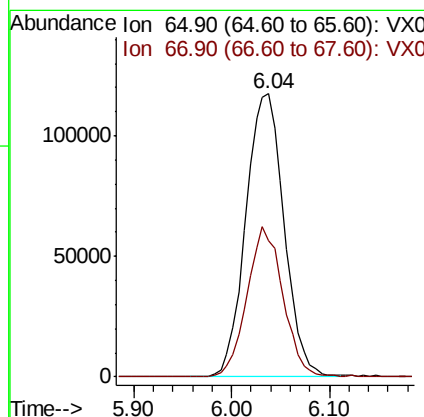
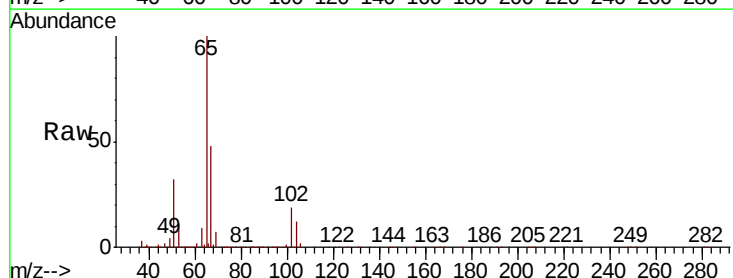
Instrument :
MSVOA_X
ClientSampled :

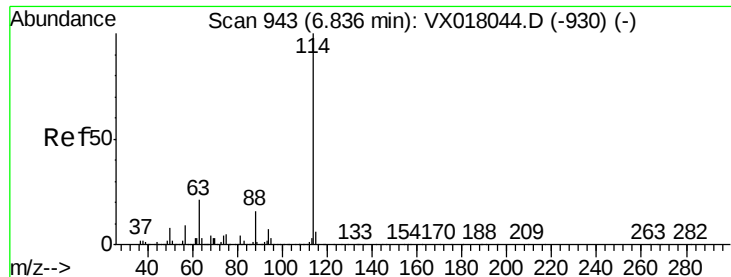
Tot Ion: 42 Resp: 731
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 52.3 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 50.631 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion: 65 Resp: 318241
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

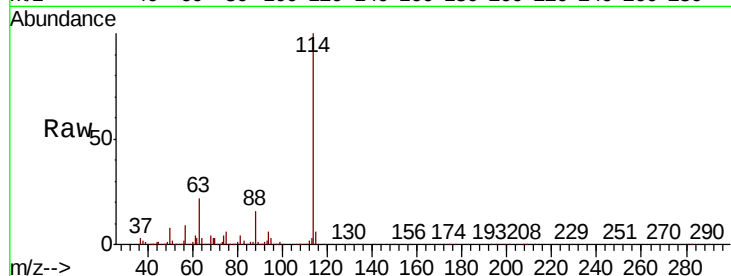
Tot Ion:114 Resp: 721784

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

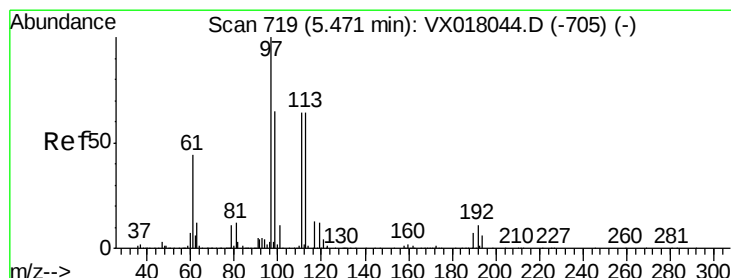
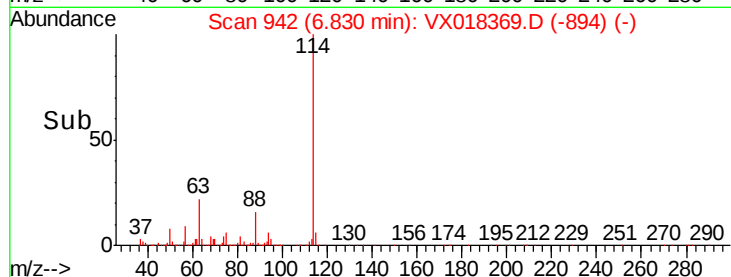
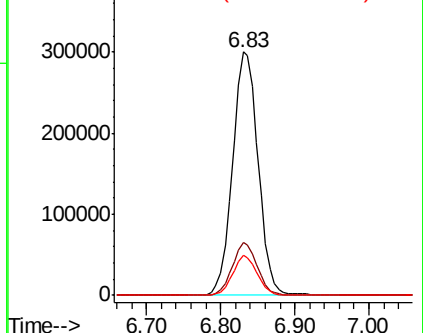
88 16.2 0.0 31.8



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: 50.285 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

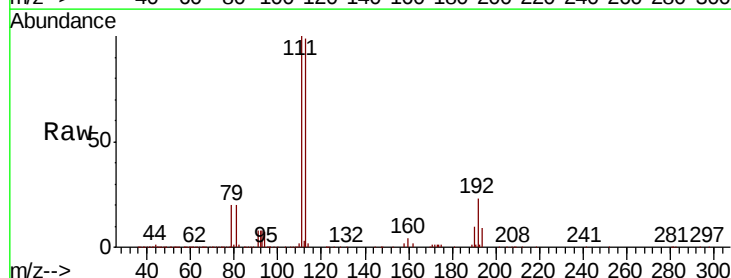
Tgt Ion:113 Resp: 247188

Ion Ratio Lower Upper

113 100

111 104.1 81.6 122.4

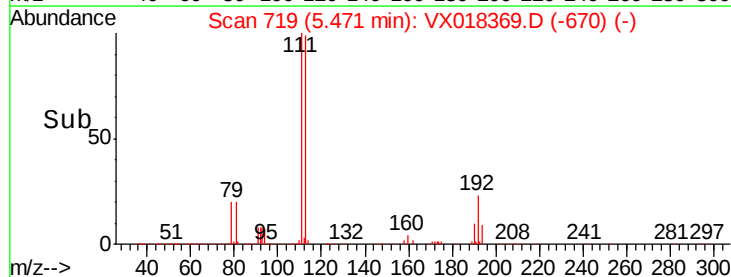
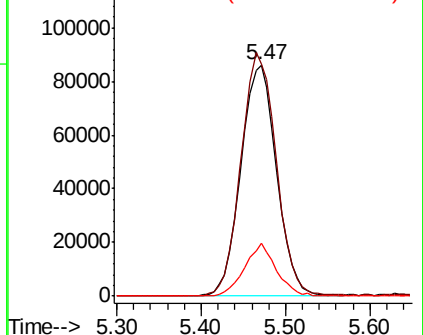
192 20.5 15.8 23.8

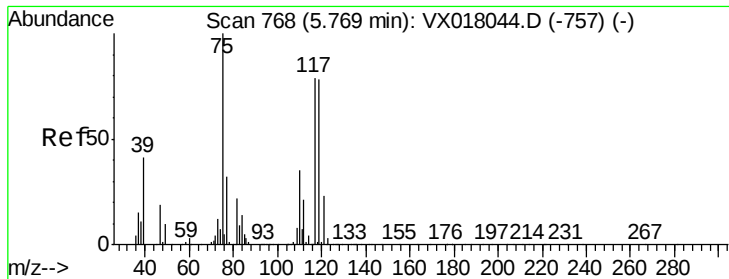


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.252 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

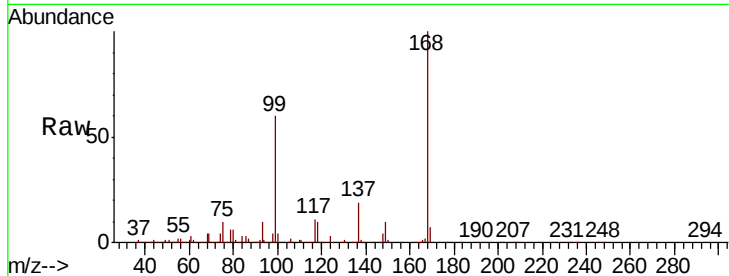
Tot Ion: 75 Resp: 34967

Ion Ratio Lower Upper

75 100

110 10.1 18.0 54.0#

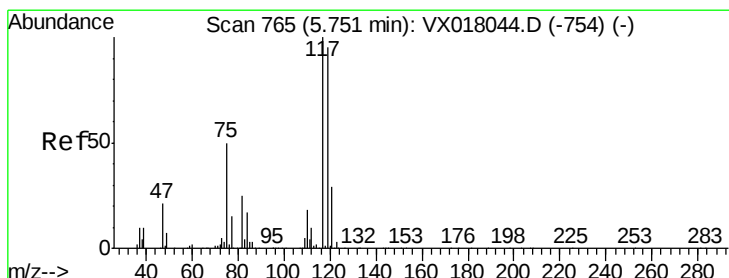
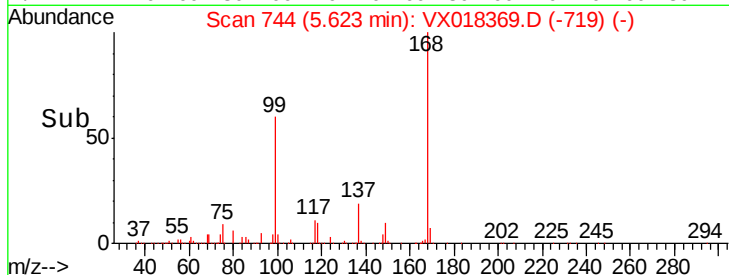
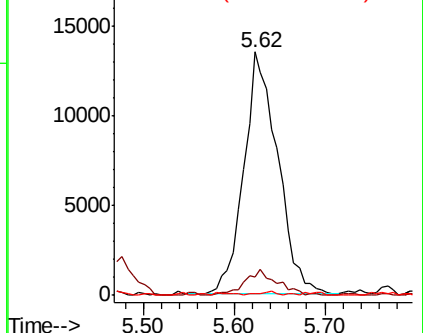
77 0.8 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX018369.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX018369.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX018369.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 6.310 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

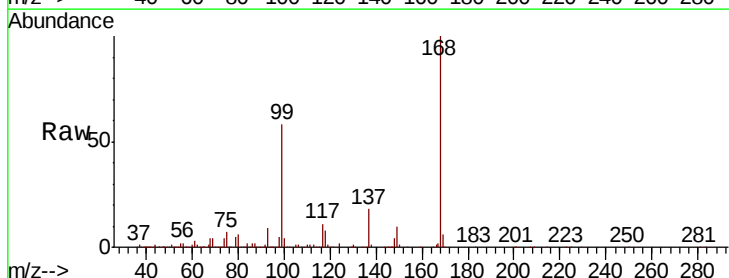
Tgt Ion: 117 Resp: 47341

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

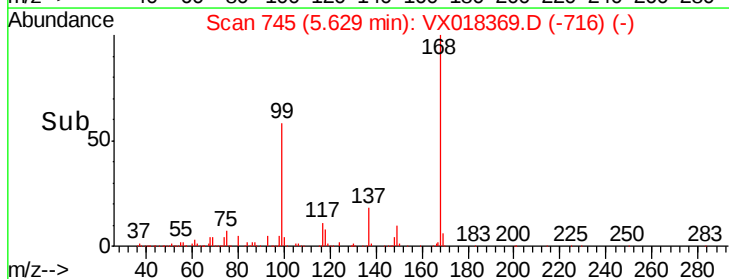
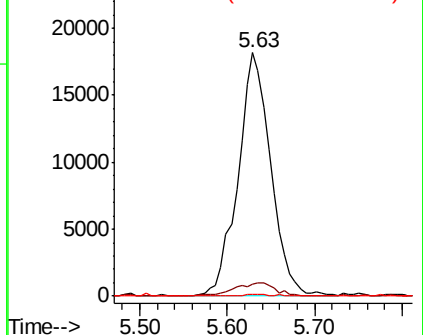
121 0.6 23.4 35.0#

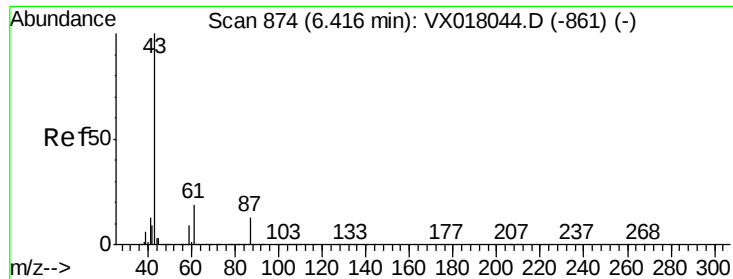


Abundance Ion 116.80 (116.50 to 117.50): VX018369.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX018369.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX018369.D (-716) (-)

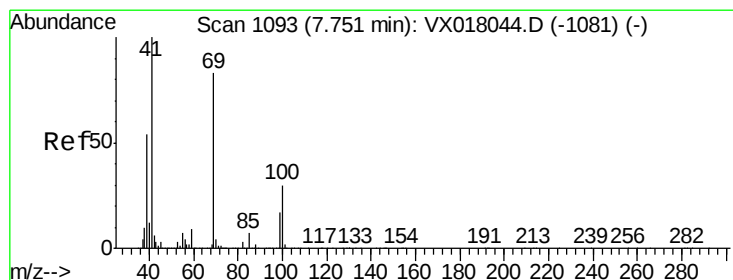
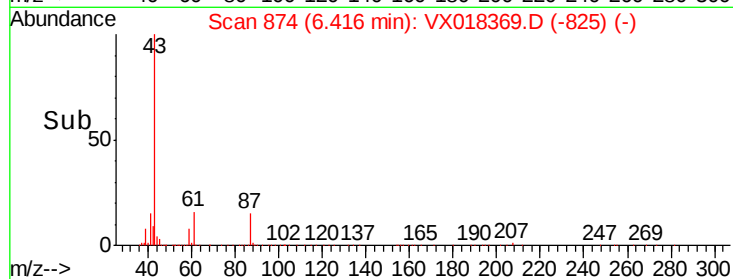
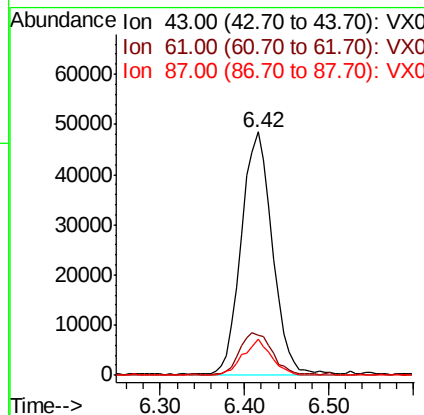
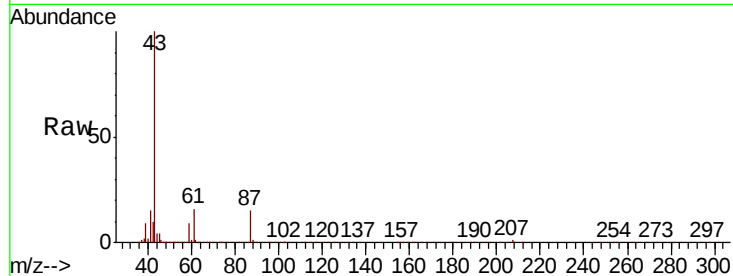




#43
Isopropyl Acetate
Concen: 9.636 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

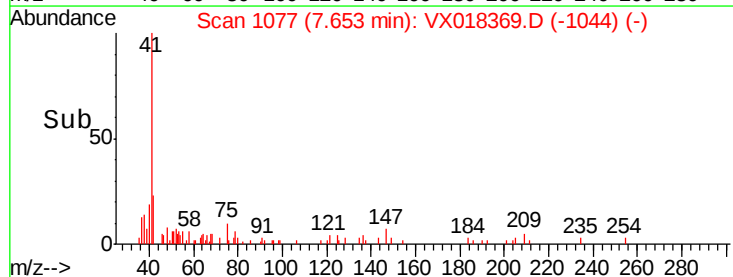
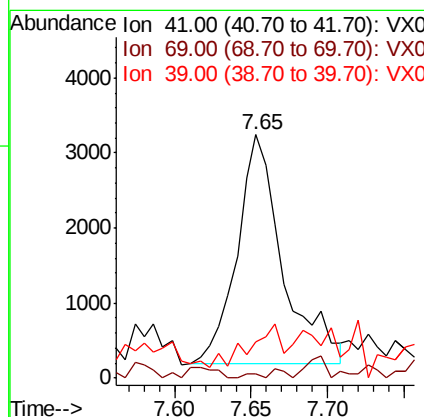
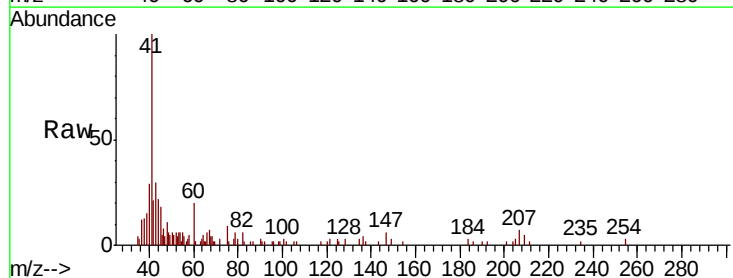
Instrument :
MSVOA_X
ClientSampleId :

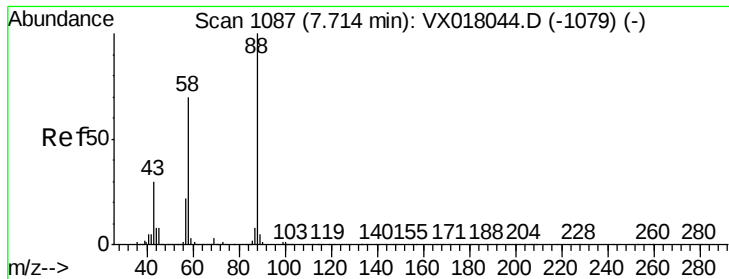
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.7	23.5
87	13.6	10.3	15.5



#48
Methyl methacrylate
Concen: 1.024 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.9	65.5	98.3#
39	0.0	44.5	66.7#





#49

1,4-Dioxane

Concen: 1.909 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

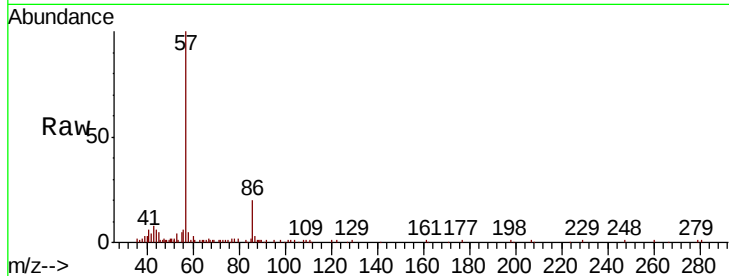
Tot Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

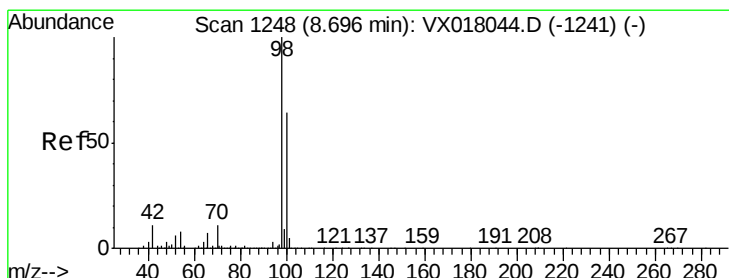
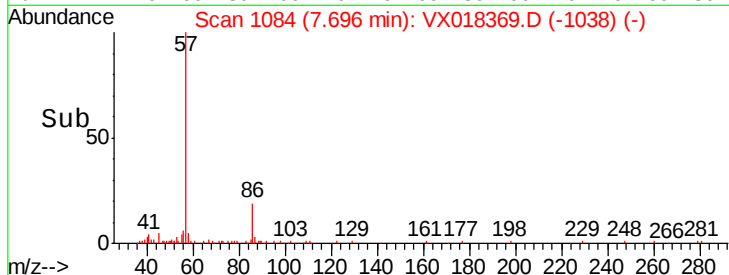
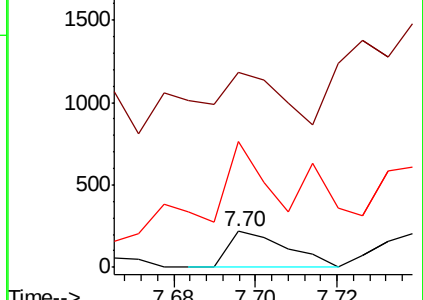
58 287.0 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.923 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018369.D

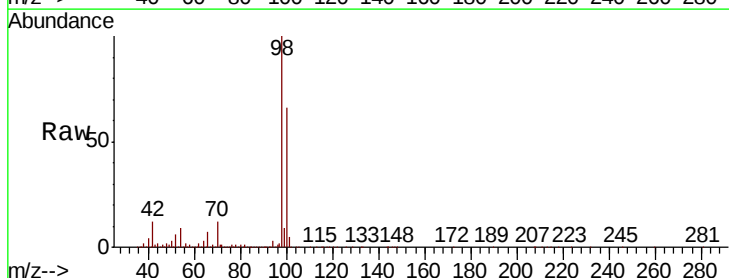
Acq: 11 Sep 2020 18:30

Tgt Ion: 98 Resp: 914032

Ion Ratio Lower Upper

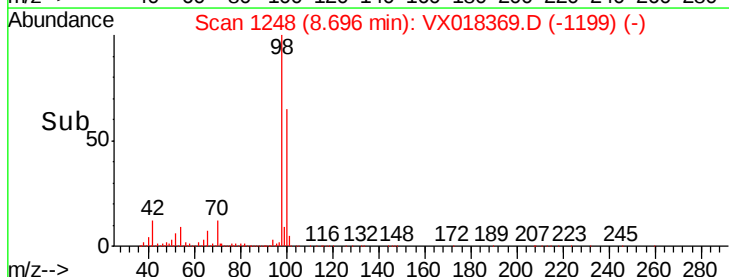
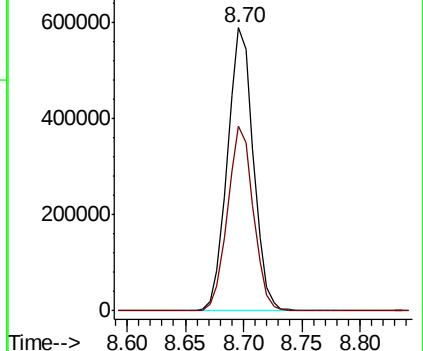
98 100

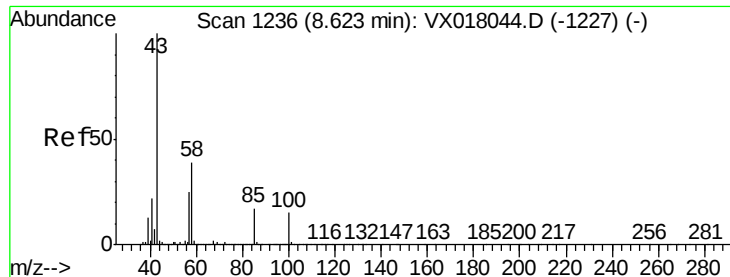
100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 15.296 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

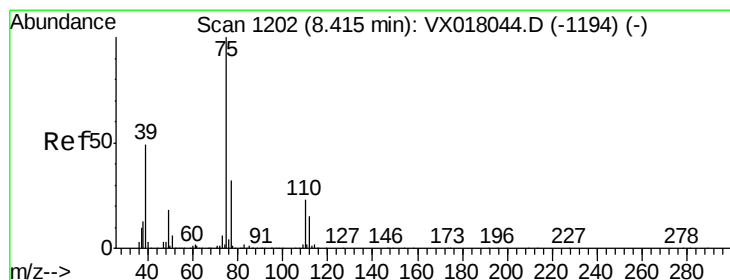
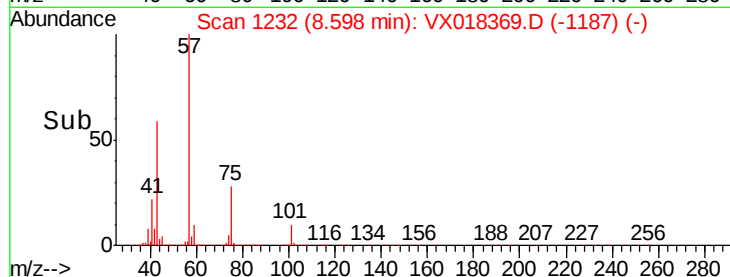
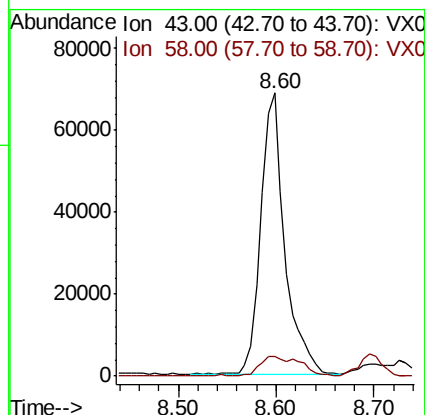
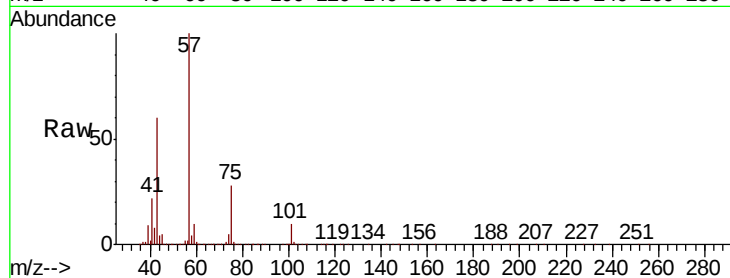
ClientSampleId :

Tot Ion: 43 Resp: 118001

Ion Ratio Lower Upper

43 100

58 11.5 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.697 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

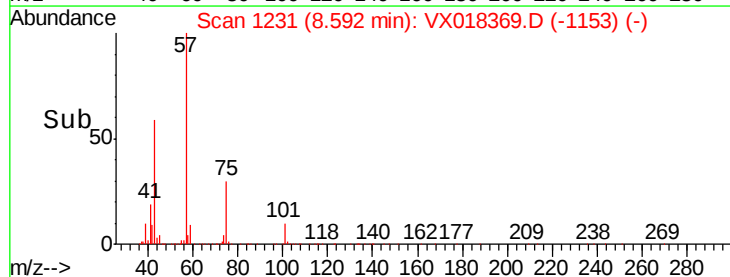
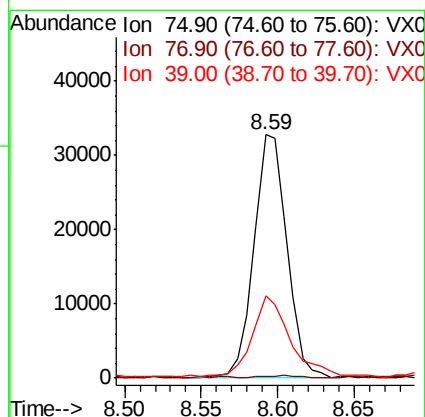
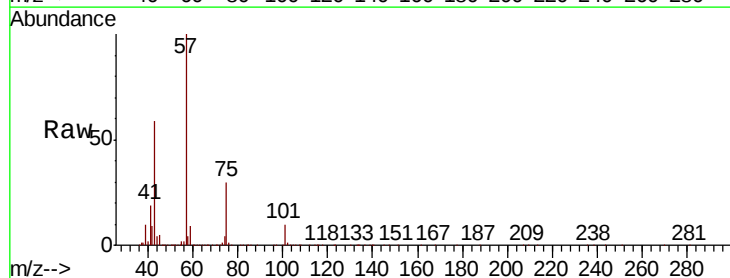
Tgt Ion: 75 Resp: 49519

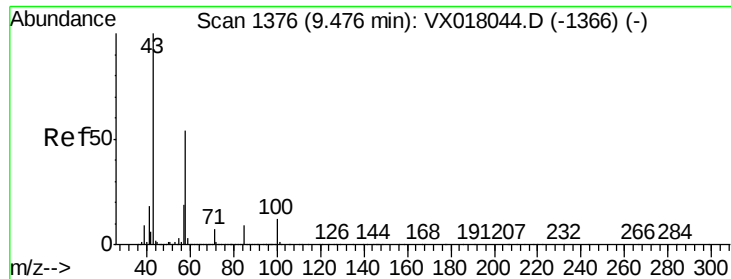
Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.8#

39 32.8 38.8 58.2#

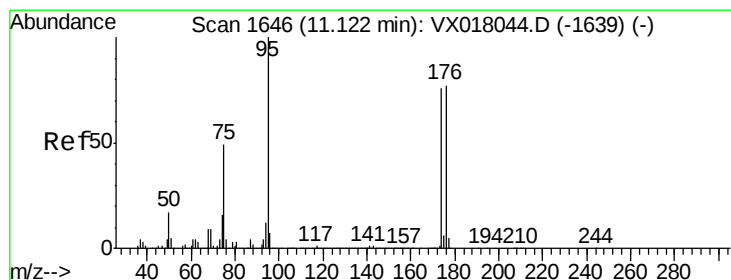
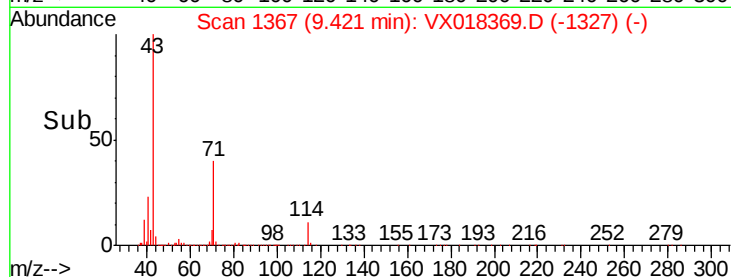
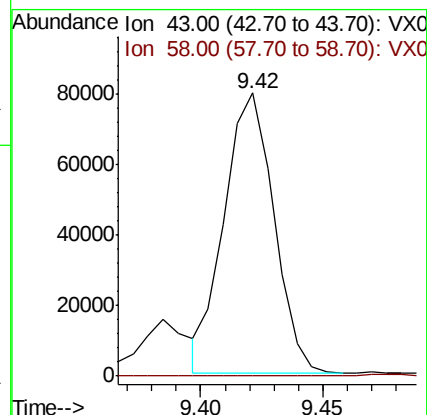
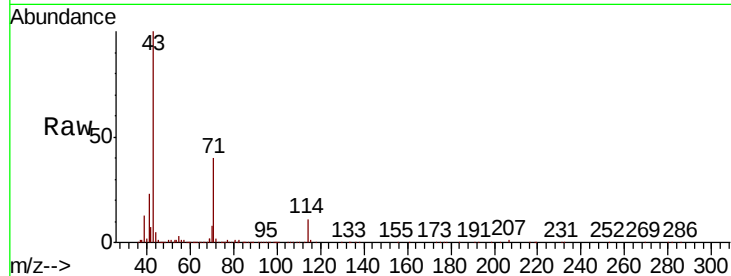




#59
2-Hexanone
Concen: 19.161 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

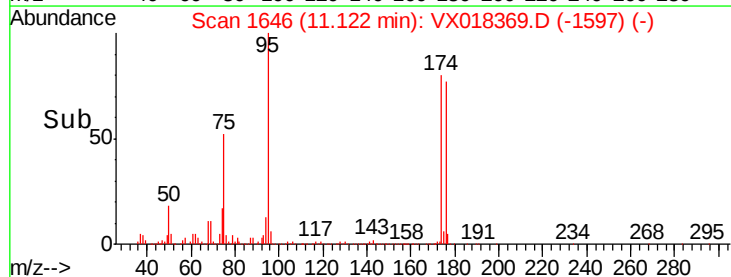
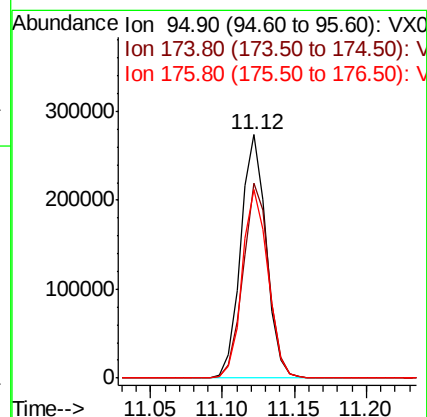
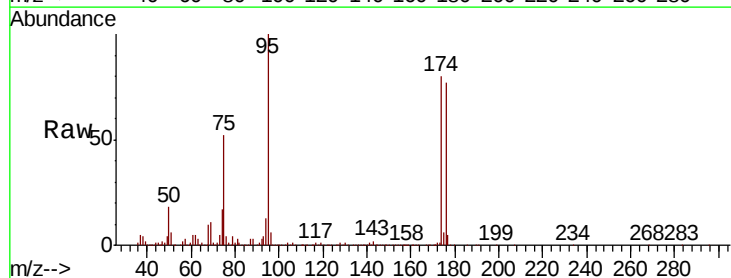
Instrument :
MSVOA_X
ClientSampleId :

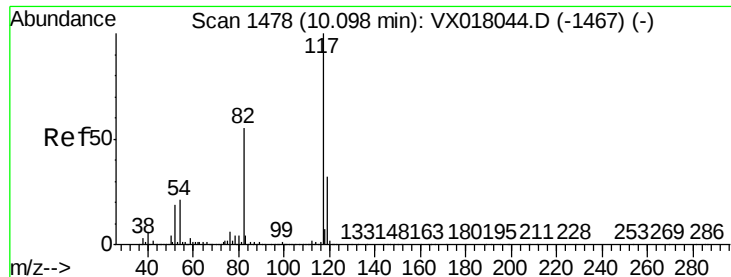
Tot Ion: 43 Resp: 112398
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.958 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion: 95 Resp: 338258
Ion Ratio Lower Upper
95 100
174 80.4 0.0 160.2
176 78.1 0.0 155.8

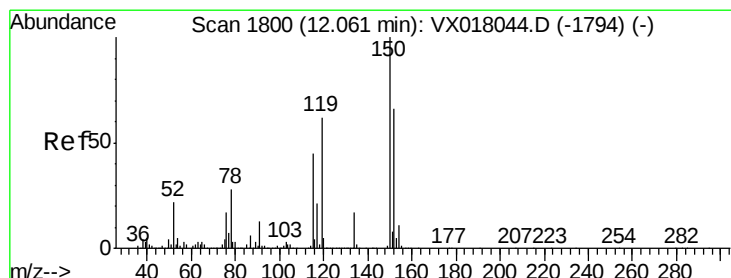
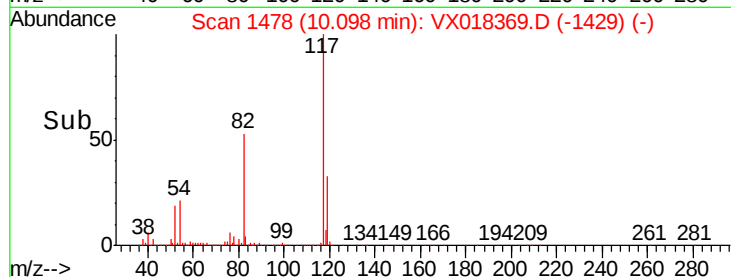
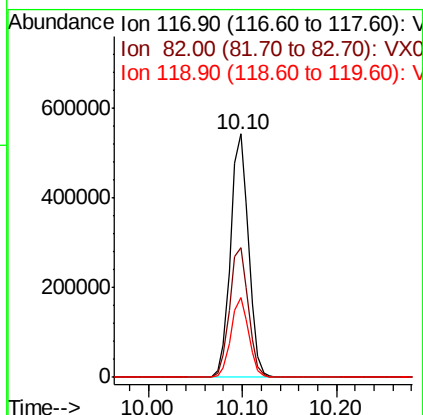
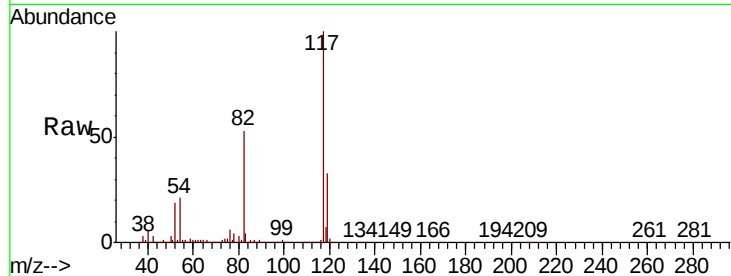




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

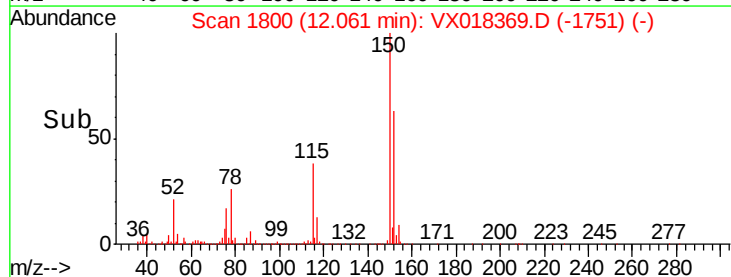
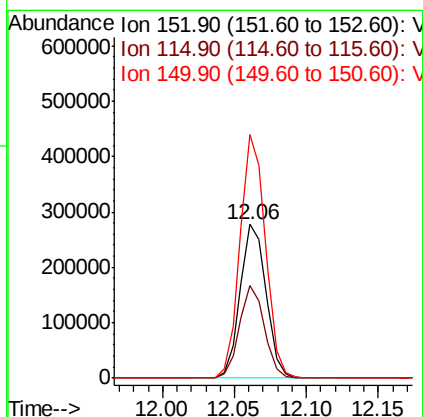
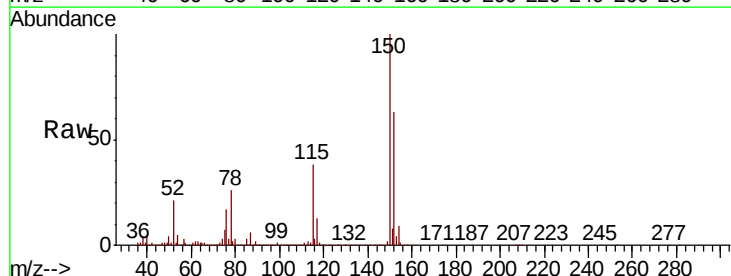
Instrument :
MSVOA_X
ClientSampleId :

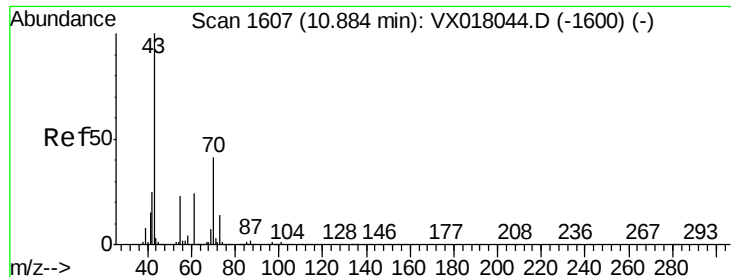
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	32.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018369.D
Acq: 11 Sep 2020 18:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.5	124.5
150	154.8	0.0	343.8





#74

N-amvl acetate

Concen: 0.540 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018369.D

Acq: 11 Sep 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 5869

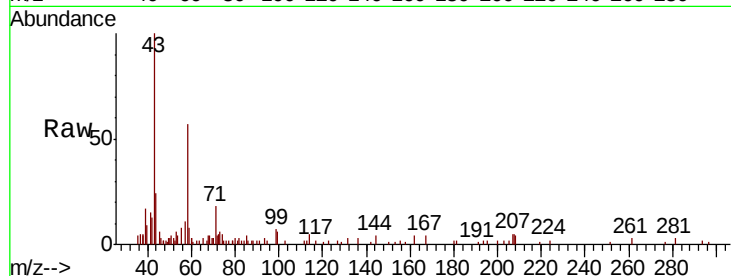
Ion Ratio Lower Upper

43 100

70 2.5 32.3 48.5#

55 8.4 18.2 27.2#

61 0.0 18.9 28.3#

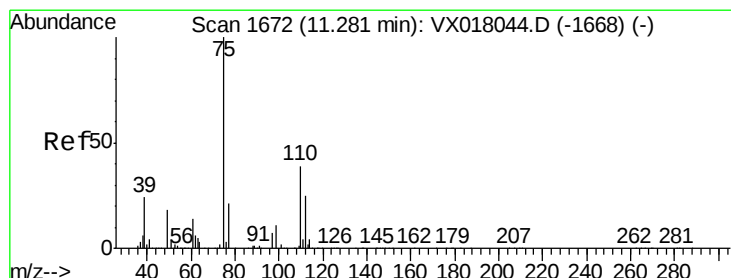
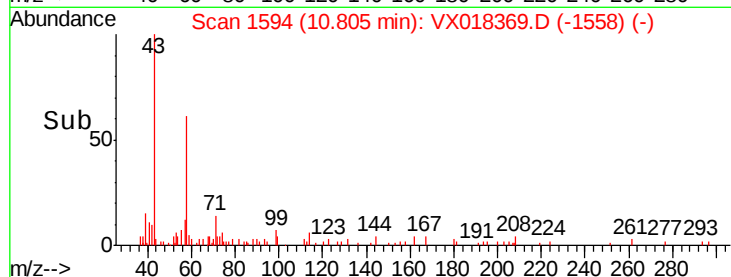
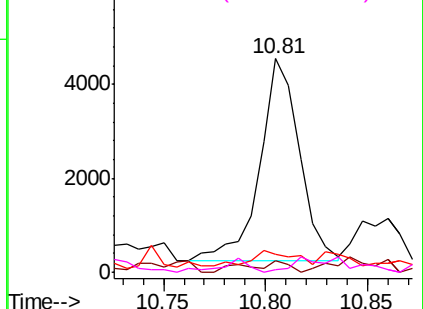


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.267 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018369.D

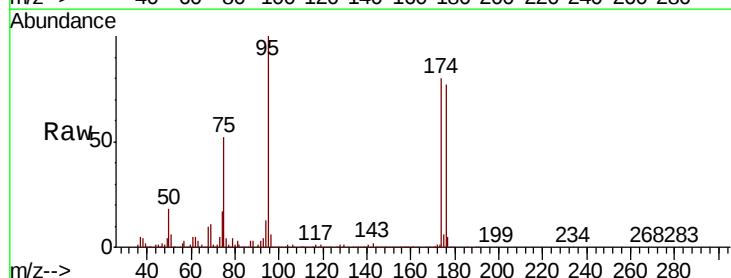
Acq: 11 Sep 2020 18:30

Tgt Ion: 75 Resp: 179736

Ion Ratio Lower Upper

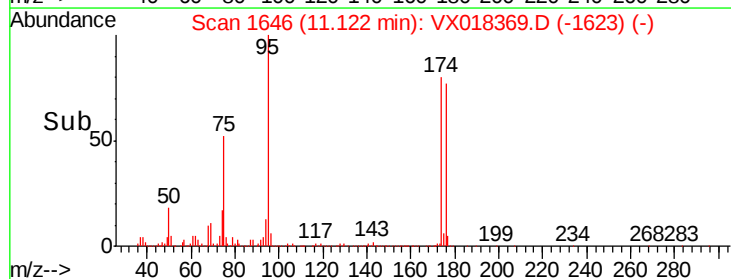
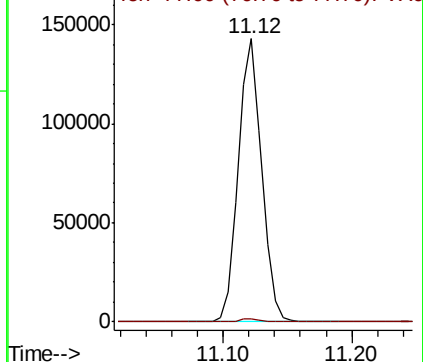
75 100

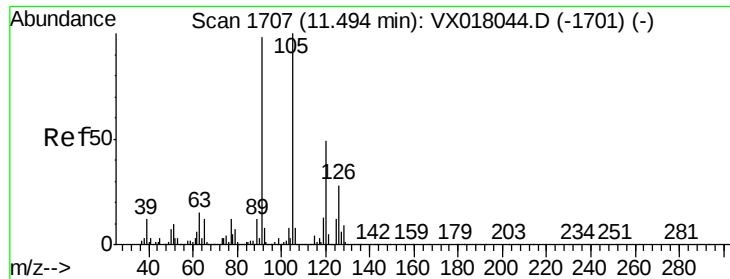
77 1.1 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

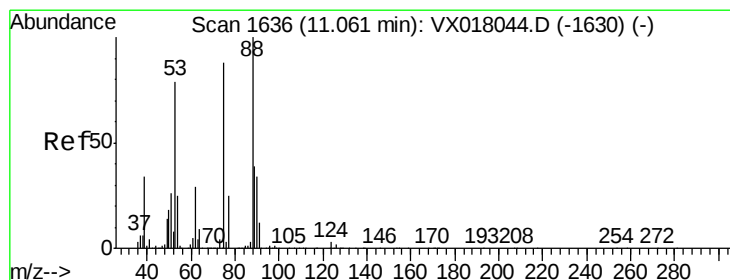
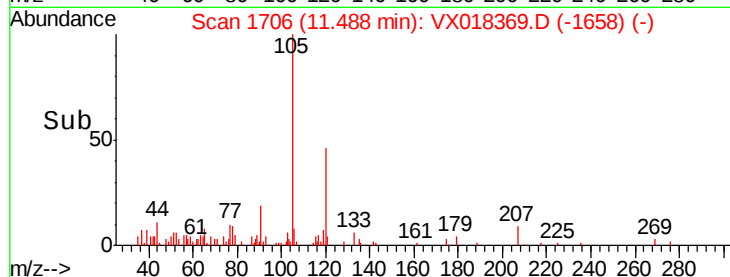
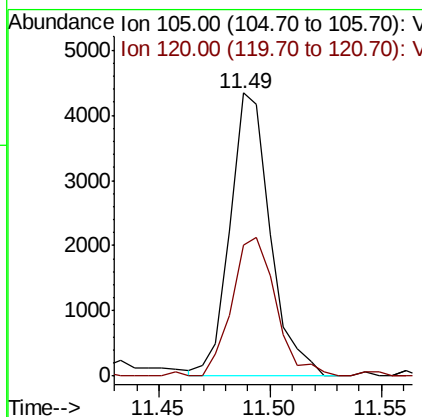
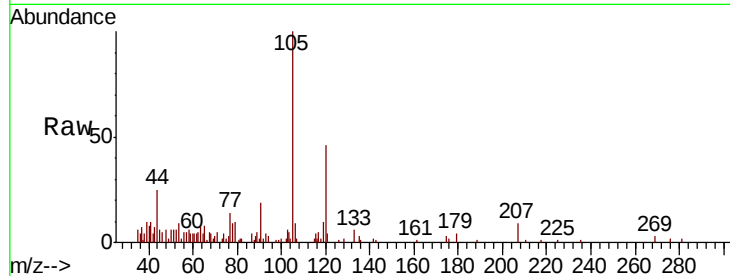




#80
 1,3,5-Trimethylbenzene
 Concen: 0.291 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018369.D
 Acq: 11 Sep 2020 18:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 105 Resp: 5485
 Ion Ratio Lower Upper
 105 100
 120 53.7 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.841 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018369.D
 Acq: 11 Sep 2020 18:30

Tgt Ion: 75 Resp: 179736
 Ion Ratio Lower Upper
 75 100
 53 0.5 74.7 112.1#
 89 0.1 36.6 54.8#

