

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019371.D
 Acq On : 09 Nov 2020 16:28
 Operator : JC/MD
 Sample : L4637-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

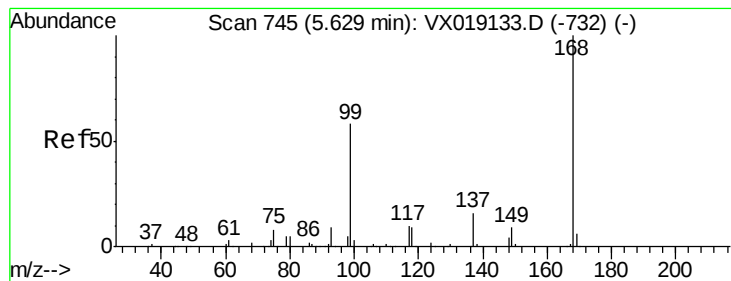
Quant Time: Nov 10 01:46:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	527813	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	509744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	252126	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	210903	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	5.46	113	163839	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.70	98	658486	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.12	95	253696	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	819	1.081	ug/l #	72
13) Acrolein	2.28	56	31	5.737	ug/l #	1
16) Acetone	2.42	43	14581	11.017	ug/l	100
17) Carbon Disulfide	2.55	76	279	0.793	ug/l #	75
18) Methyl Acetate	2.75	43	3553	1.104	ug/l #	89
20) Methylene Chloride	2.84	84	9990	3.007	ug/l	96
25) 2-Butanone	4.64	43	1179	0.565	ug/l #	87
29) Tetrahydrofuran	5.10	42	1043	0.793	ug/l #	58
31) Cyclohexane	5.62	56	6653	1.372	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25118	5.154	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30982	6.236	ug/l #	16
43) Isopropyl Acetate	6.41	43	74006	9.767	ug/l	99
48) Methyl methacrylate	7.65	41	3776	1.035	ug/l #	9
49) 1,4-Dioxane	7.84	88	266	3.280	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	73280	16.826	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	35349	5.966	ug/l #	63
57) 1,3-Dichloropropane	9.52	76	6170	1.041	ug/l #	44
59) 2-Hexanone	9.52	43	72583	21.894	ug/l #	47
74) N-amyl acetate	10.80	43	3141	0.481	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	130794	25.124	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	130794	66.152	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019371.D

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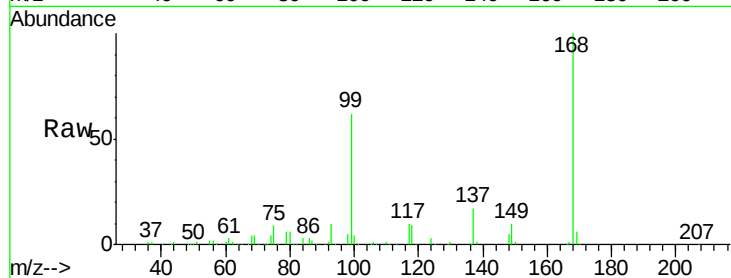
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 297488

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

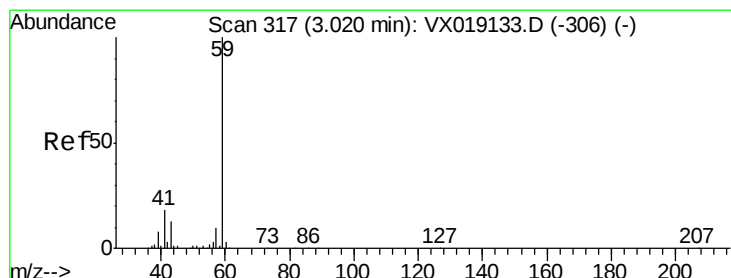
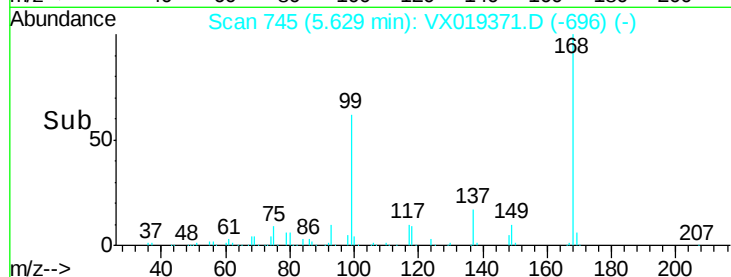
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.081 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019371.D

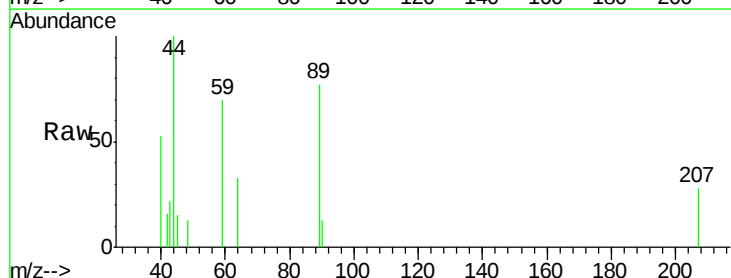
Acq: 09 Nov 2020 16:28

Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2.99

400

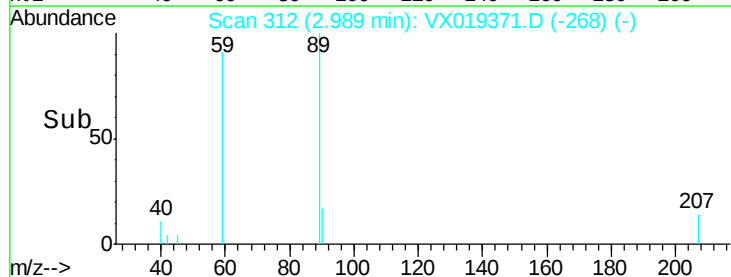
300

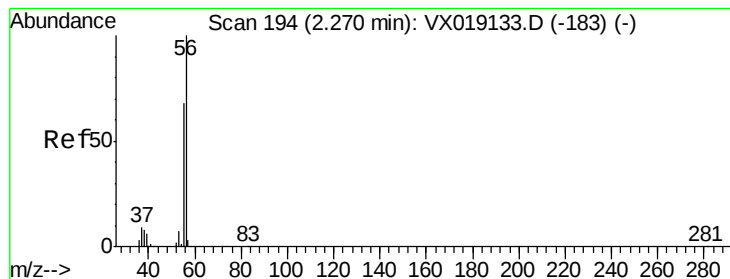
200

100

0

Time-->





#13

Acrolein

Concen: 5.737 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

Instrument :

MSVOA_X

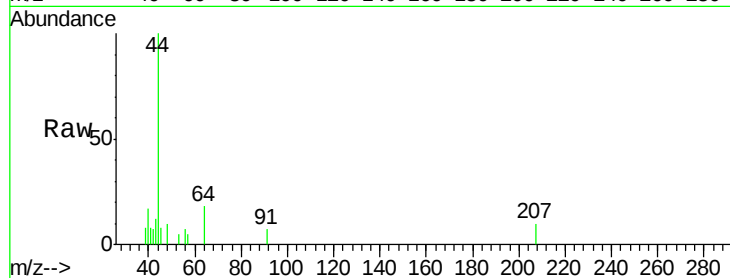
ClientSampled :

Tot Ion: 56 Resp: 31

Ion Ratio Lower Upper

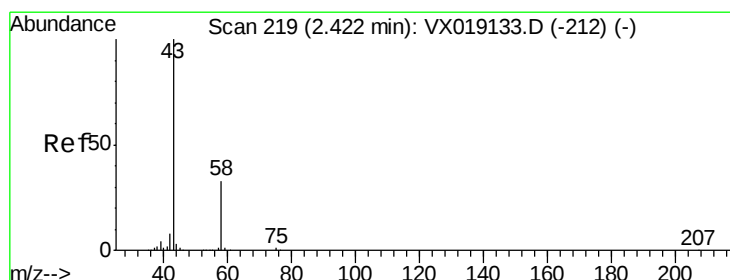
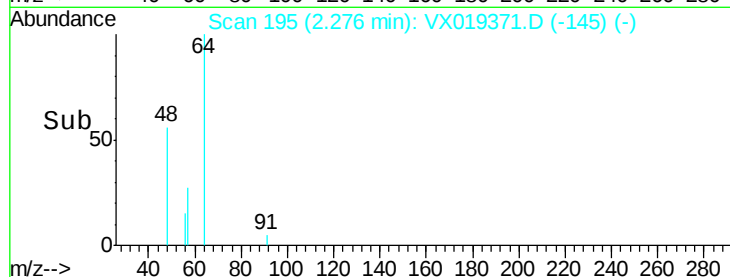
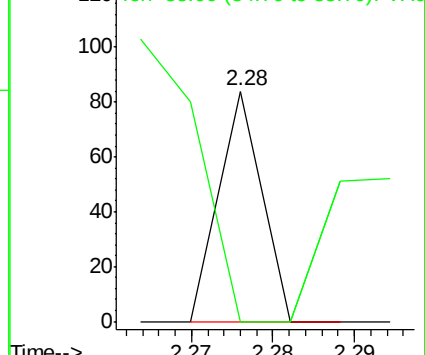
56 100

55 180.6 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 11.017 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019371.D

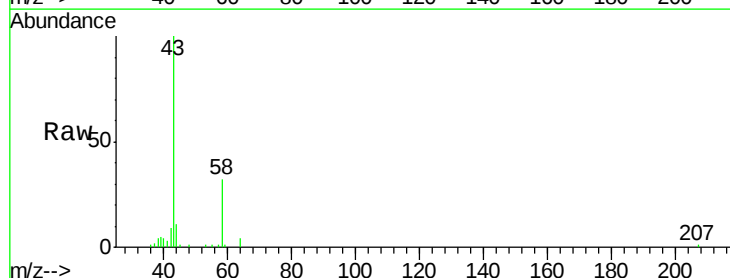
Acq: 09 Nov 2020 16:28

Tgt Ion: 43 Resp: 14581

Ion Ratio Lower Upper

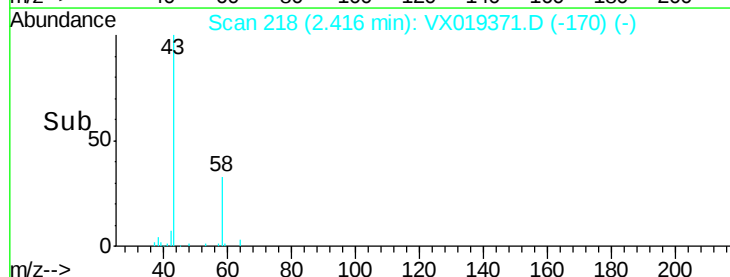
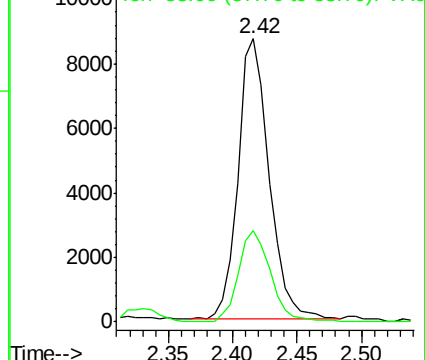
43 100

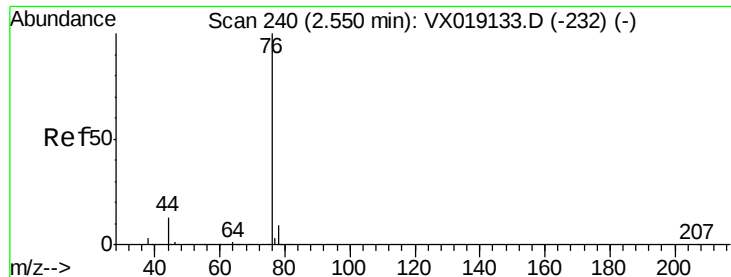
58 32.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

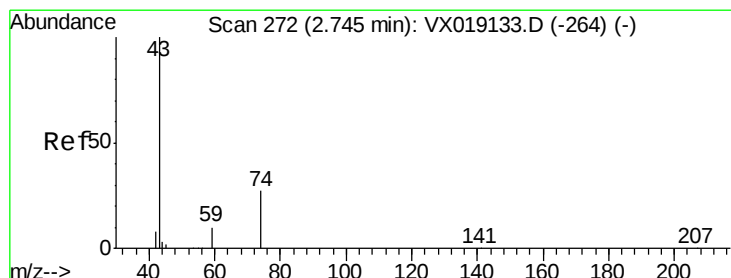
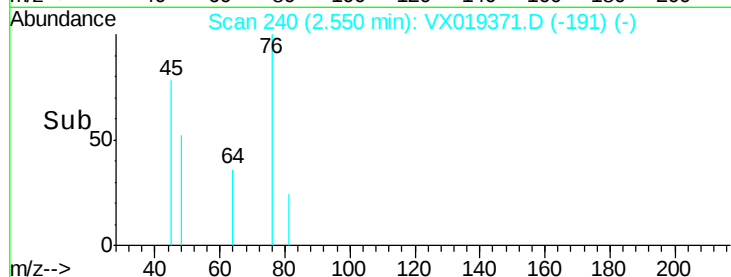
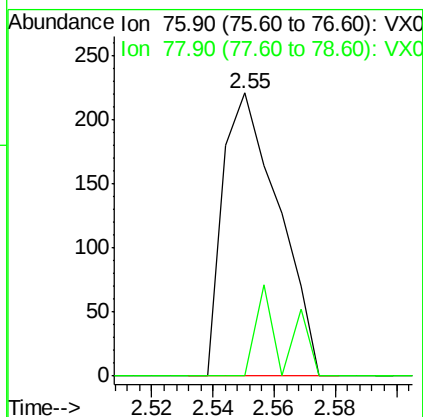
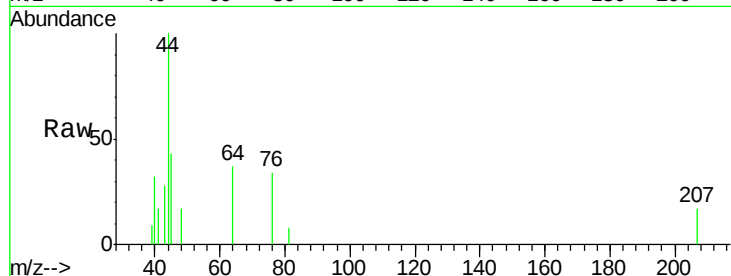




#17
Carbon Disulfide
Concen: 0.793 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

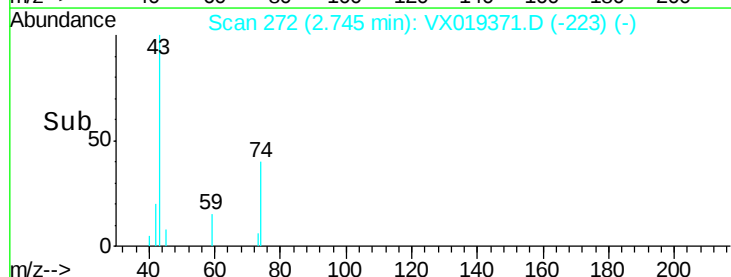
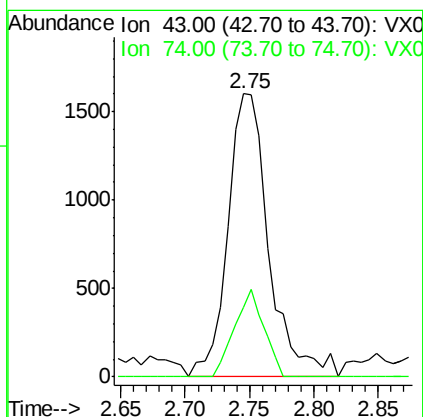
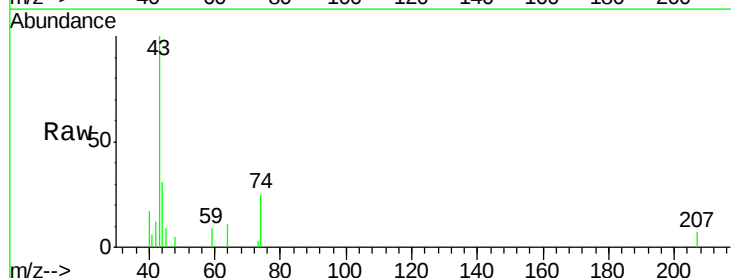
Instrument :
MSVOA_X
ClientSampleId :

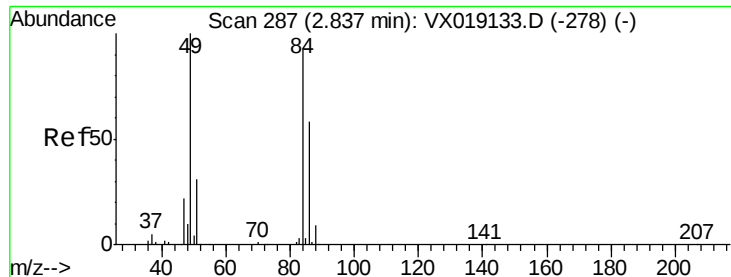
Tot Ion: 76 Resp: 279
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 1.104 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 43 Resp: 3553
Ion Ratio Lower Upper
43 100
74 22.2 22.6 33.8#

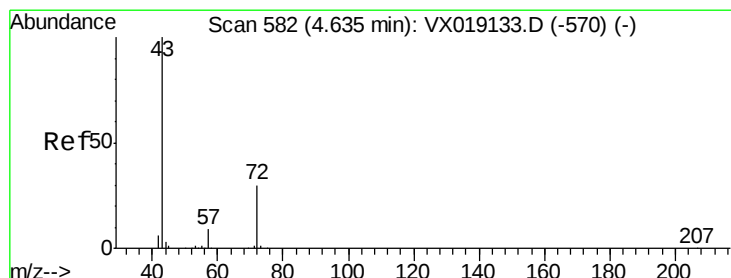
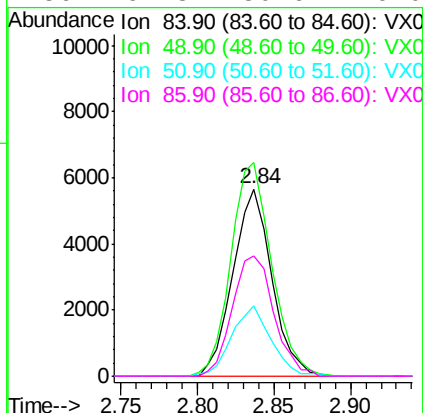
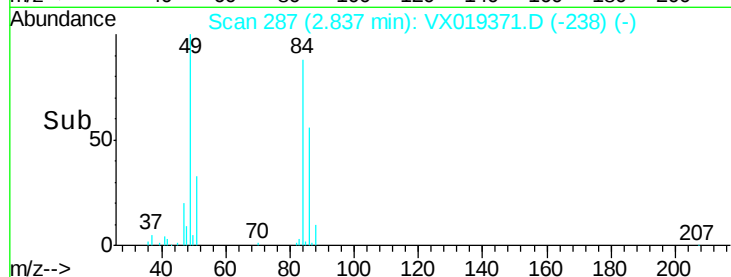
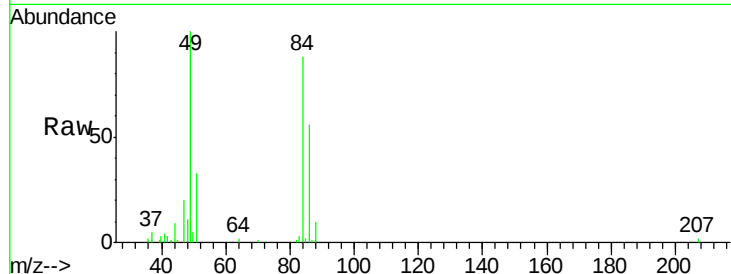




#20
Methvlene Chloride
Concen: 3.007 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

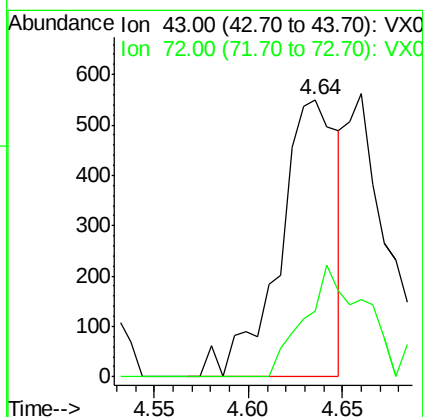
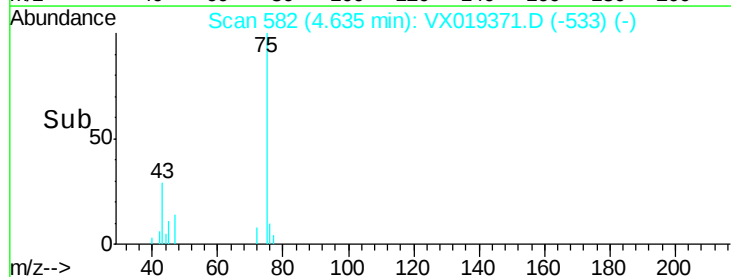
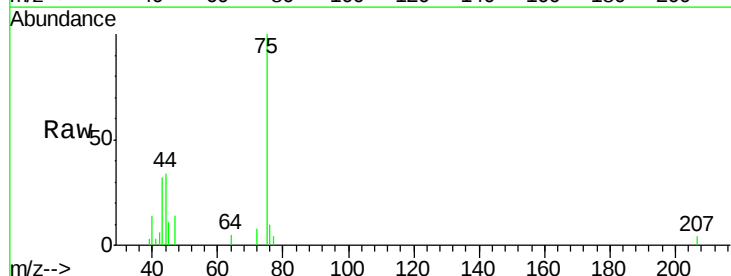
Instrument :
MSVOA_X
ClientSampleId :

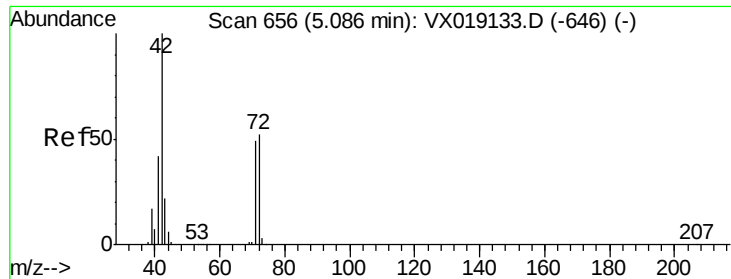
Tot Ion: 84 Resp: 9990
Ion Ratio Lower Upper
84 100
49 114.3 86.8 130.2
51 37.6 27.3 40.9
86 64.3 50.6 76.0



#25
2-Butanone
Concen: 0.565 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
72 23.6 24.6 36.8#

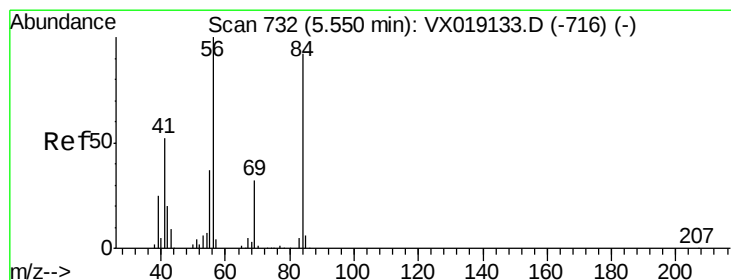
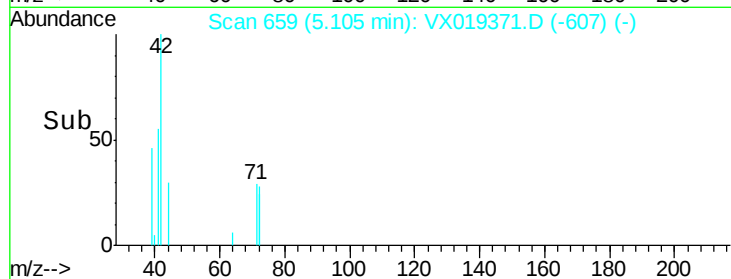
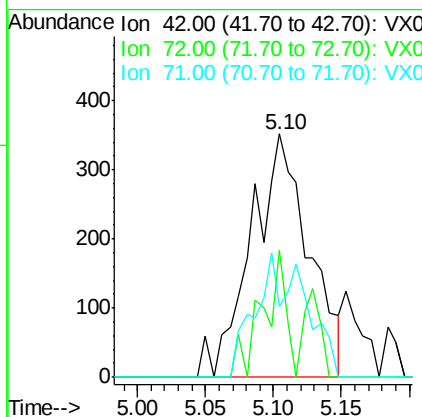
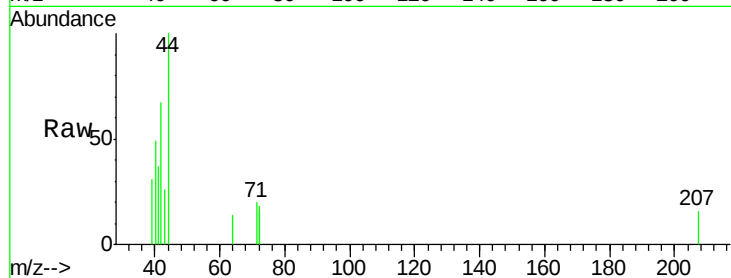




#29
Tetrahydrofuran
Concen: 0.793 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

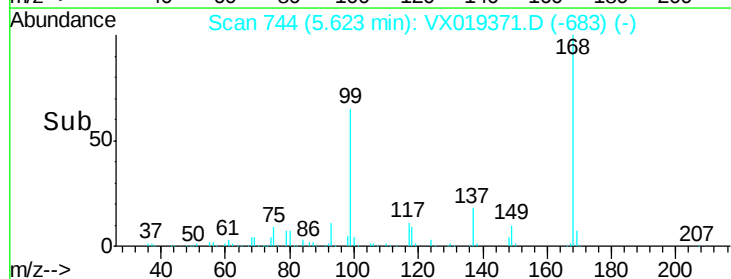
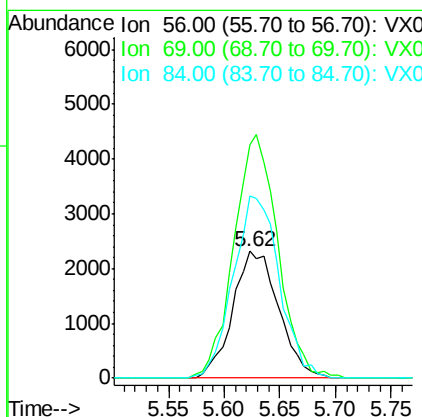
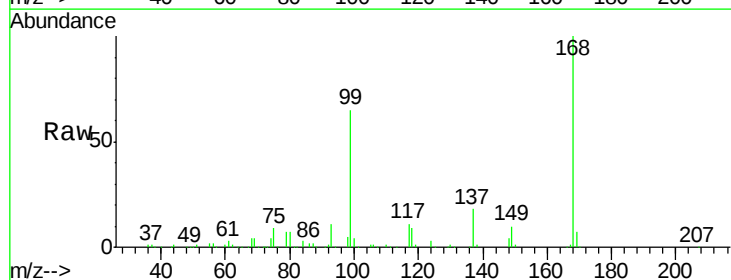
Instrument :
MSVOA_X
ClientSampleId :

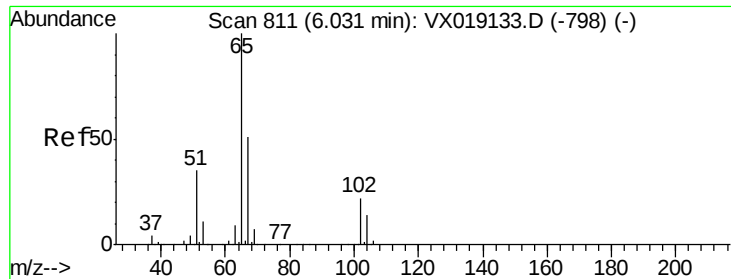
Tot Ion: 42 Resp: 1043
Ion Ratio Lower Upper
42 100
72 21.3 42.6 63.8#
71 22.4 39.7 59.5#



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 56 Resp: 6653
Ion Ratio Lower Upper
56 100
69 184.1 25.9 38.9#
84 143.7 73.4 110.2#

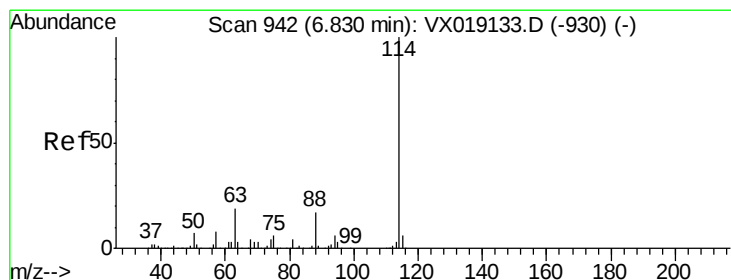
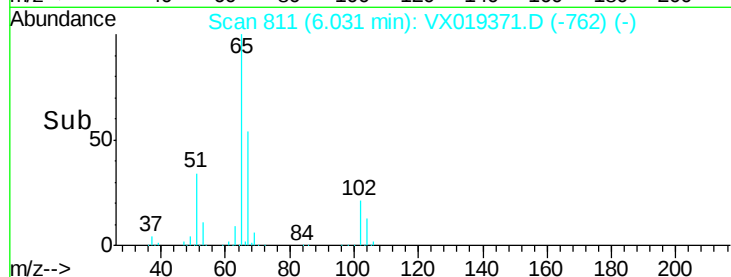
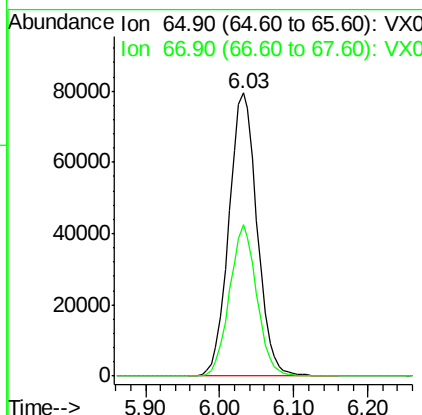
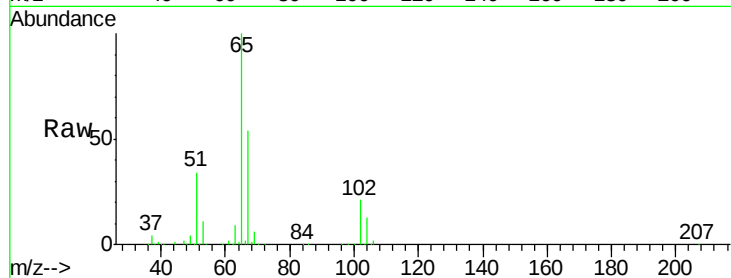




#33
 1,2-Dichloroethane-d4
 Concen: 54.973 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019371.D
 Acq: 09 Nov 2020 16:28

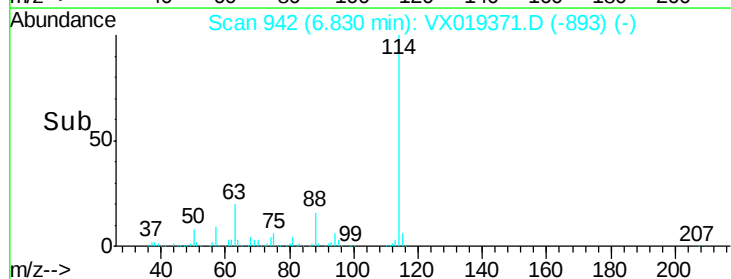
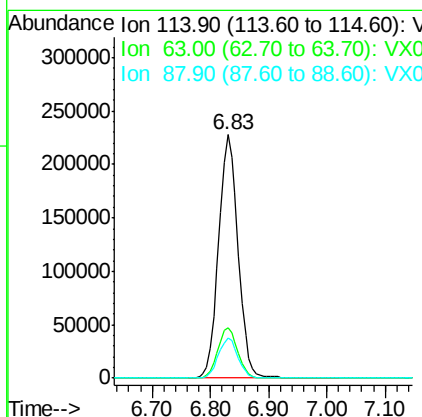
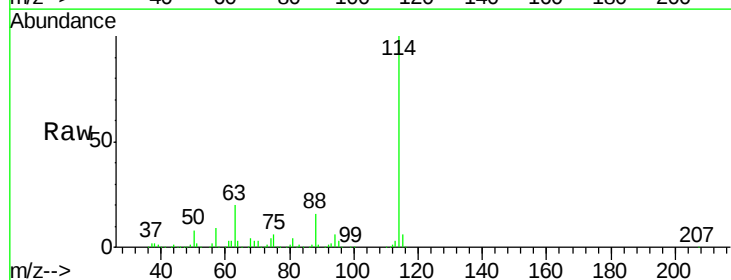
Instrument :
 MSVOA_X
 ClientSampleId :

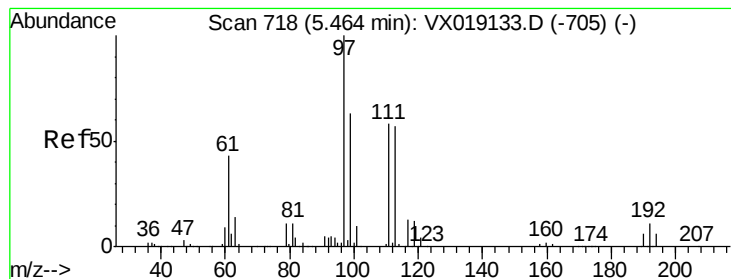
Tot Ion: 65 Resp: 210903
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019371.D
 Acq: 09 Nov 2020 16:28

Tgt Ion: 114 Resp: 527813
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.8
 88 16.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.418 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

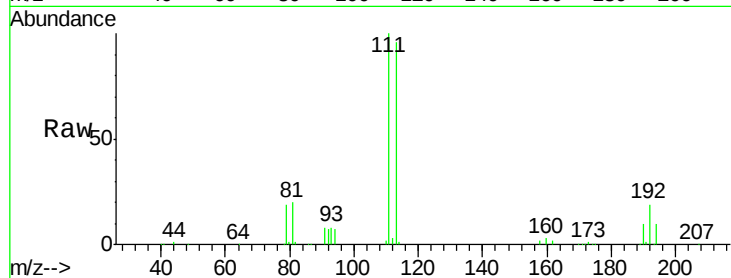
Tot Ion:113 Resp: 163839

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

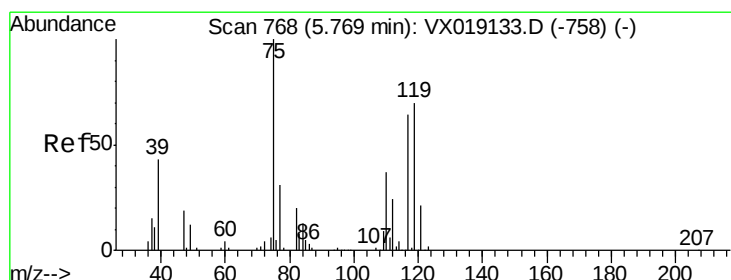
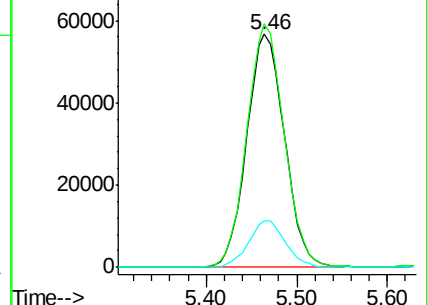
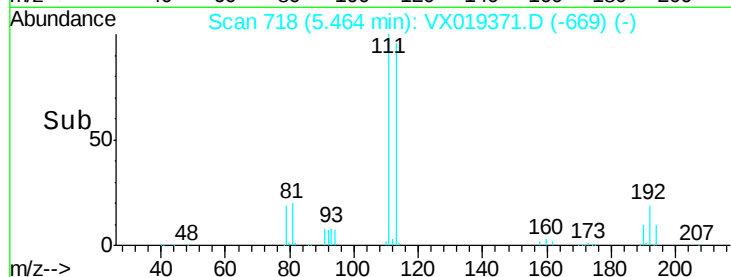
192 19.6 16.2 24.2



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: 5.154 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

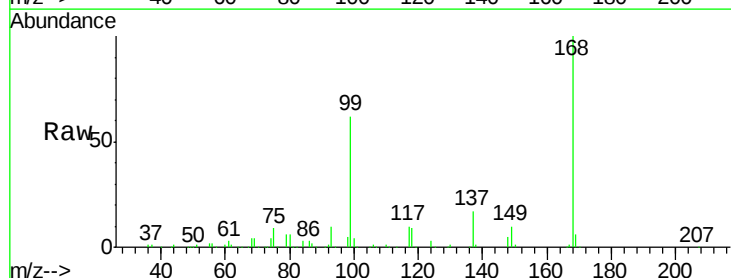
Tgt Ion: 75 Resp: 25118

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

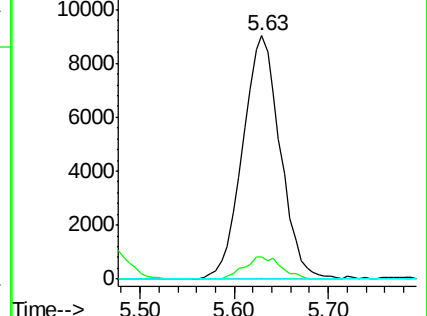
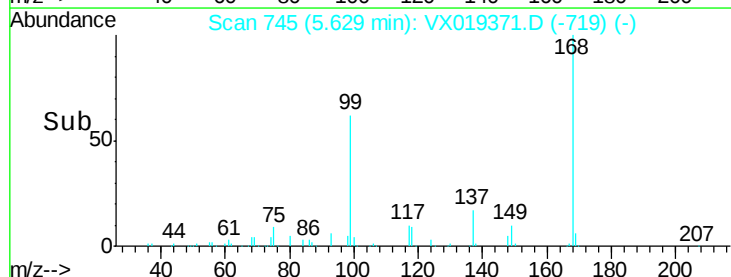
77 0.0 24.9 37.3#

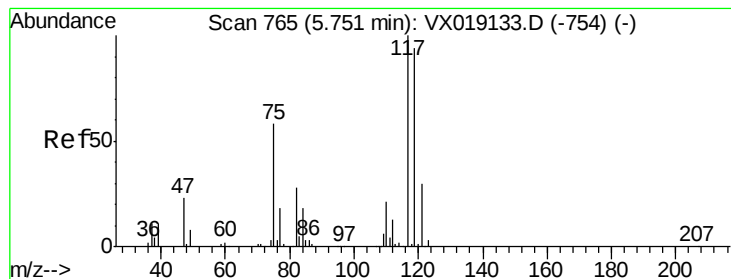


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.236 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

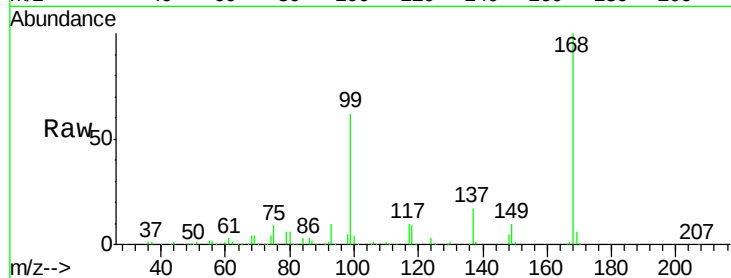
Tot Ion:117 Resp: 30982

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

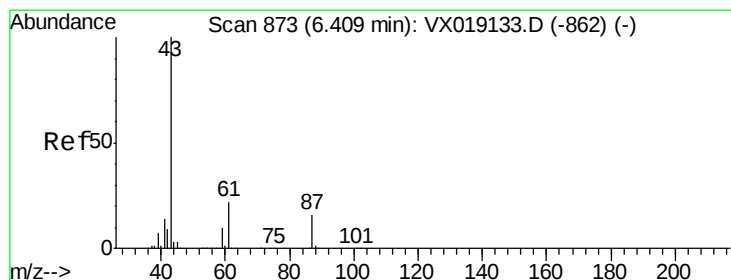
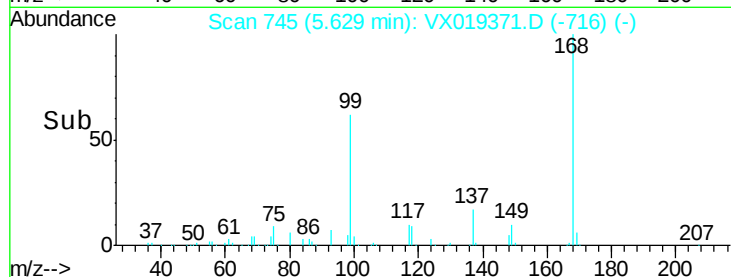
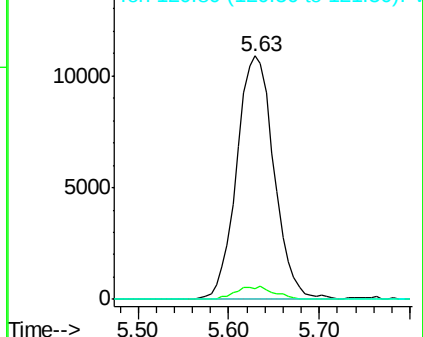
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.767 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

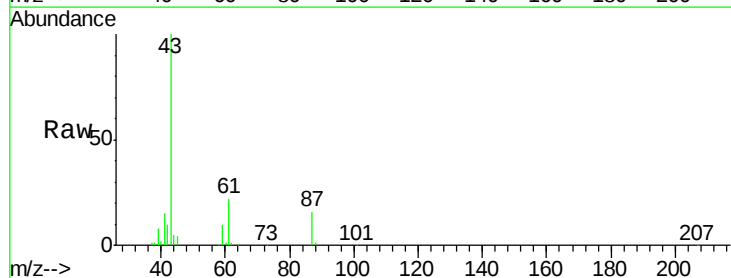
Tgt Ion: 43 Resp: 74006

Ion Ratio Lower Upper

43 100

61 21.8 17.8 26.6

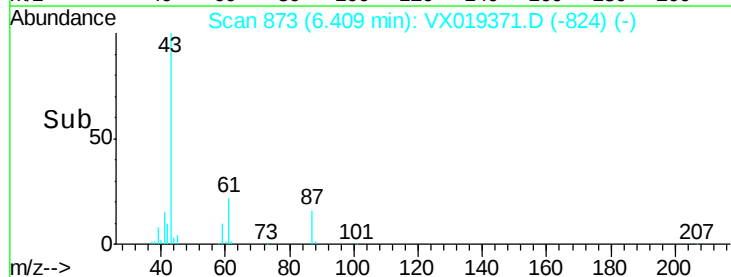
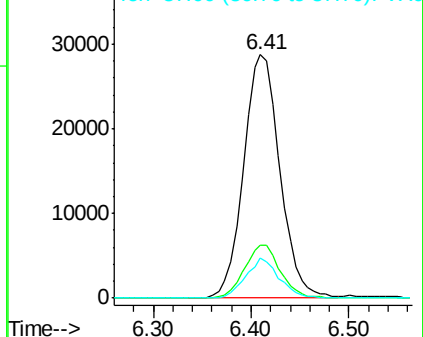
87 14.9 12.6 19.0

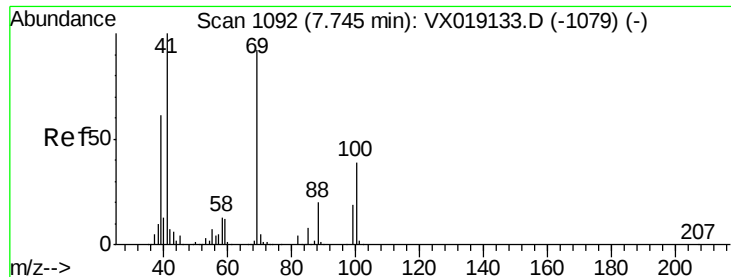


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

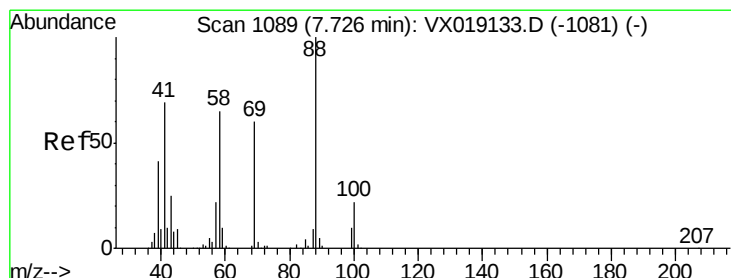
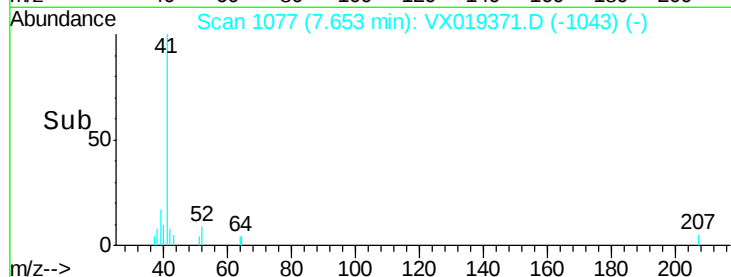
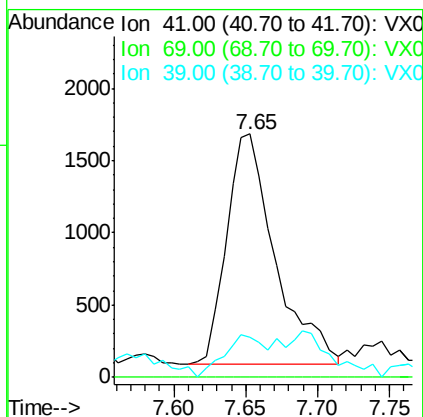
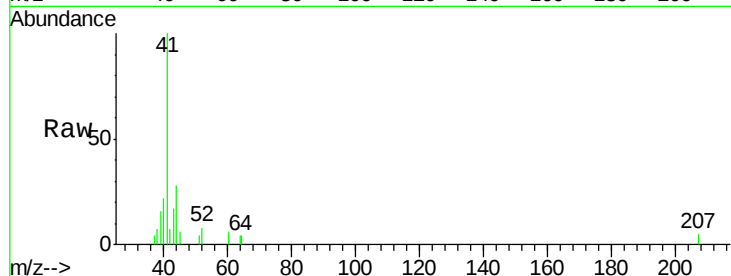




#48
Methvl methacrylate
Concen: 1.035 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

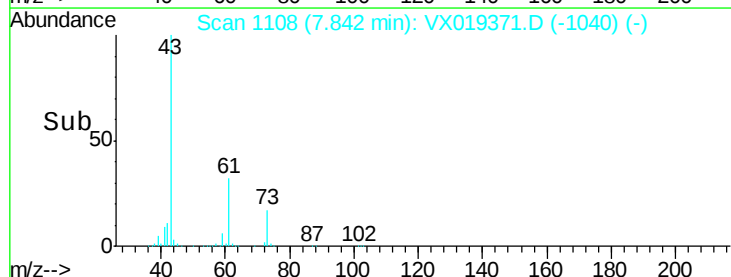
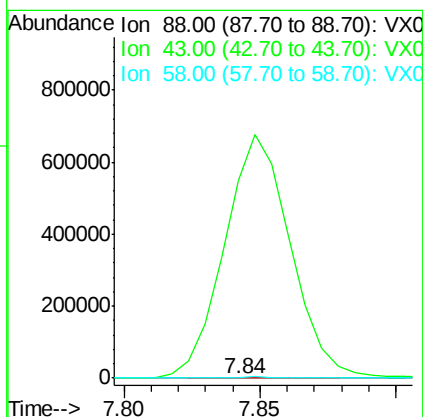
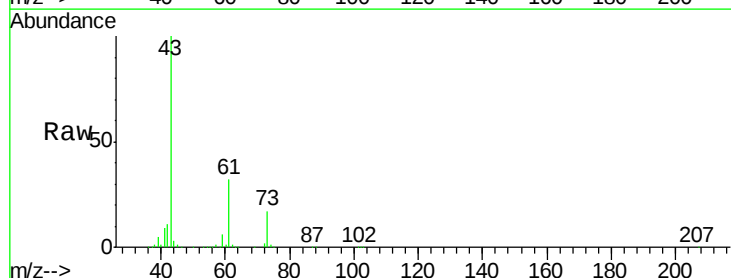
Instrument :
MSVOA_X
ClientSampleId :

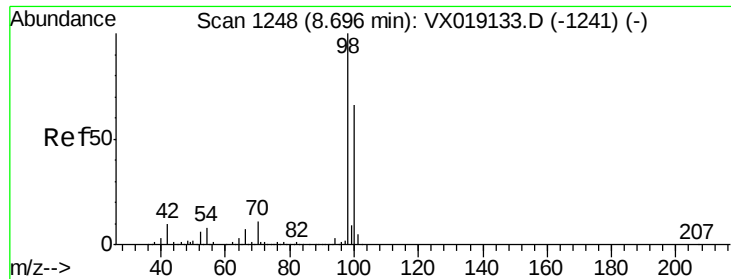
Tot Ion: 41 Resp: 3776
Ion Ratio Lower Upper
41 100
69 0.0 75.5 113.3#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 3.280 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.12 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 88 Resp: 266
Ion Ratio Lower Upper
88 100
43 431724.8 23.0 34.6#
58 2005.3 52.2 78.2#





#50

Toluene-d8

Concen: 52.688 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

Instrument :

MSVOA_X

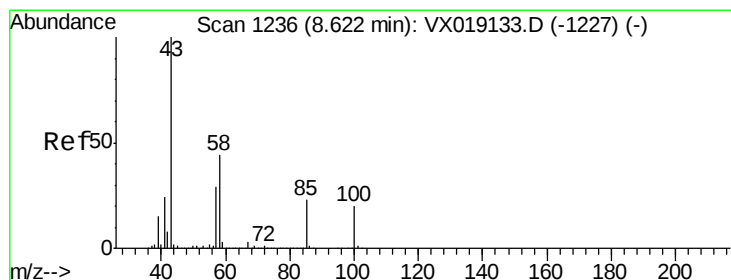
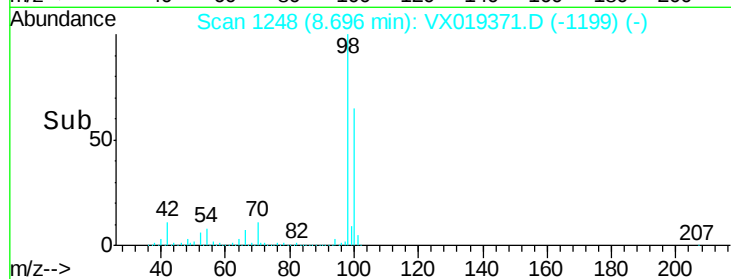
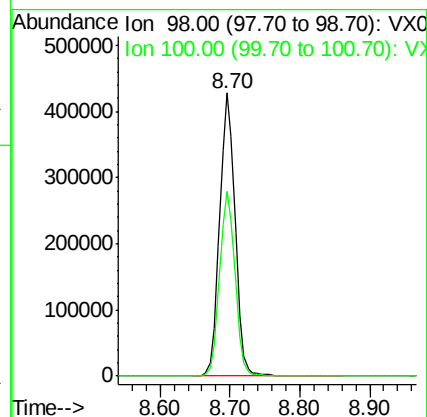
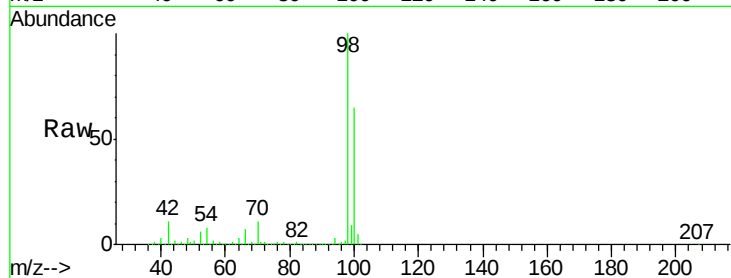
ClientSampleId :

Tot Ion: 98 Resp: 658486

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 16.826 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019371.D

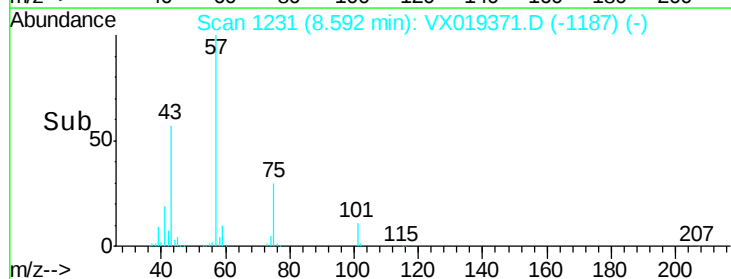
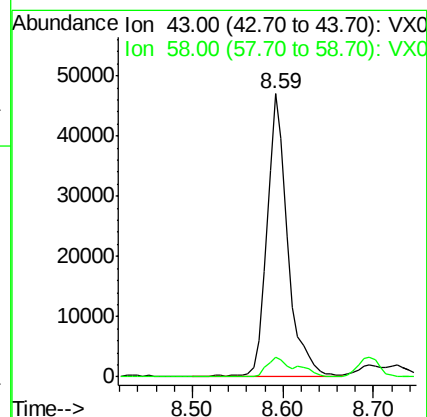
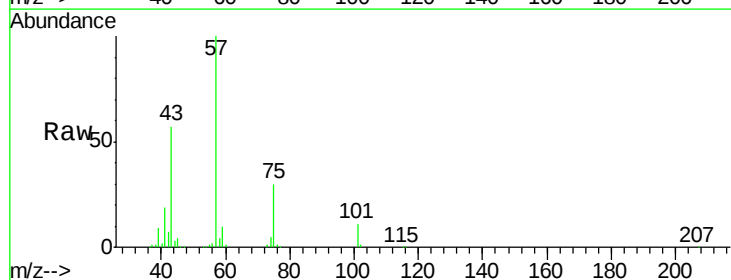
Acq: 09 Nov 2020 16:28

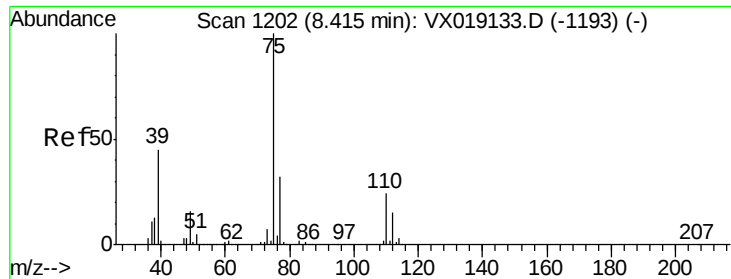
Tgt Ion: 43 Resp: 73280

Ion Ratio Lower Upper

43 100

58 6.8 35.0 52.4#



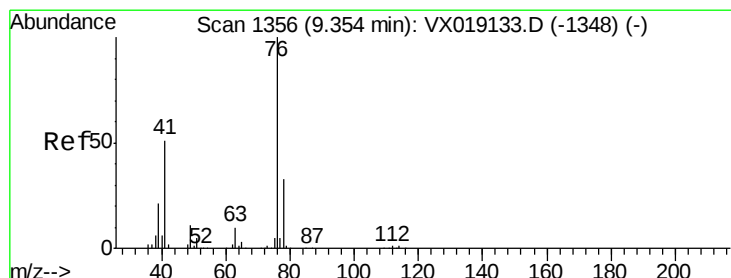
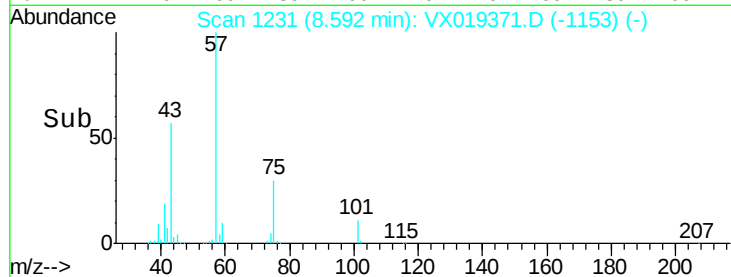
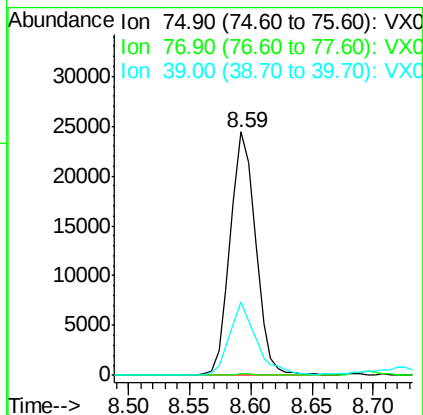
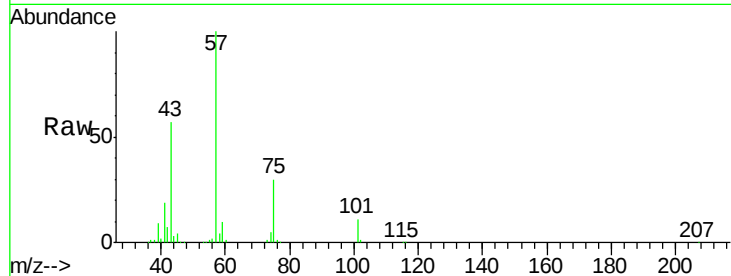


#54

cis-1,3-Dichloropropene
 Concen: 5.966 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019371.D
 Acq: 09 Nov 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :

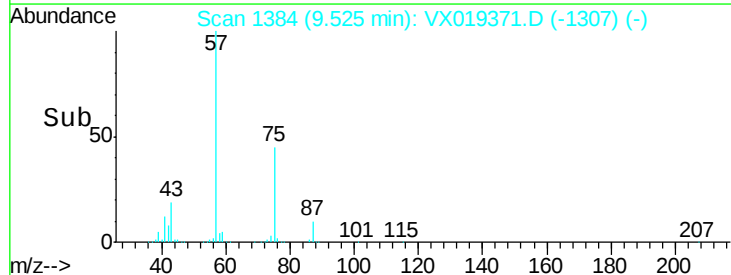
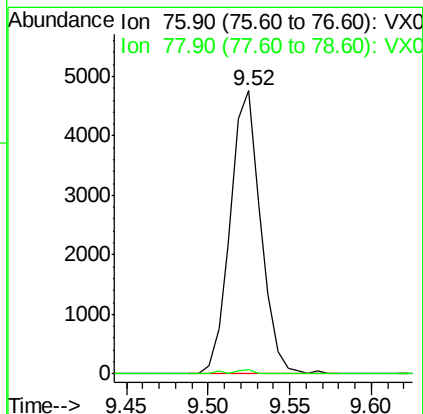
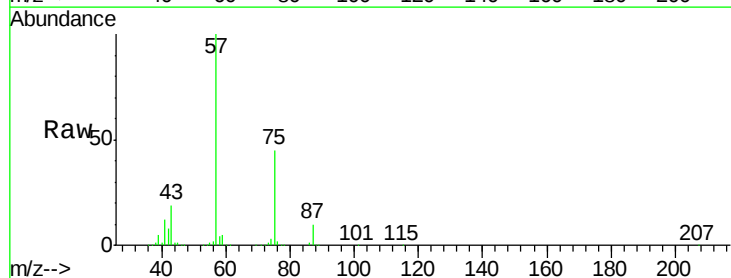
Tot Ion: 75 Resp: 35349
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 29.9 36.2 54.2#

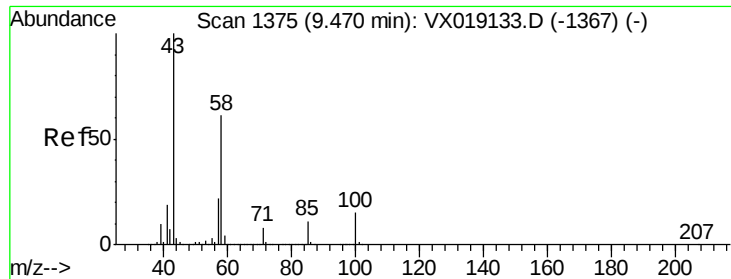


#57

1,3-Dichloropropane
 Concen: 1.041 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019371.D
 Acq: 09 Nov 2020 16:28

Tgt Ion: 76 Resp: 6170
 Ion Ratio Lower Upper
 76 100
 78 1.0 25.9 38.9#

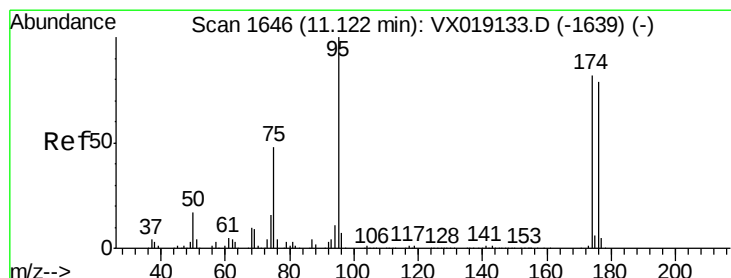
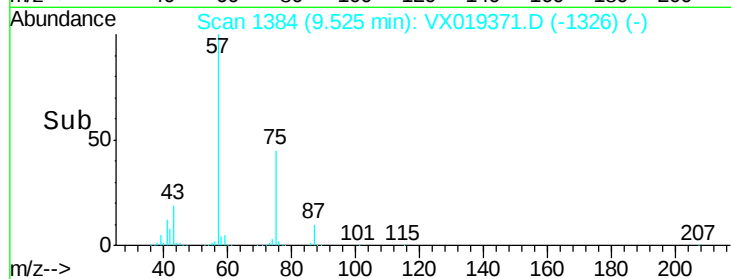
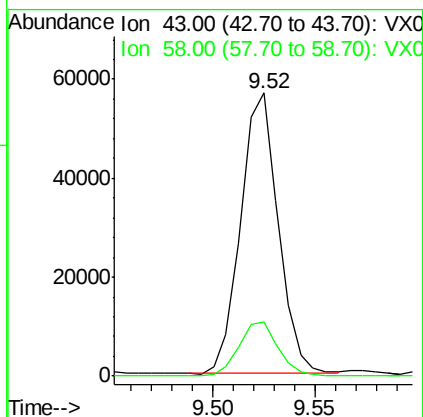
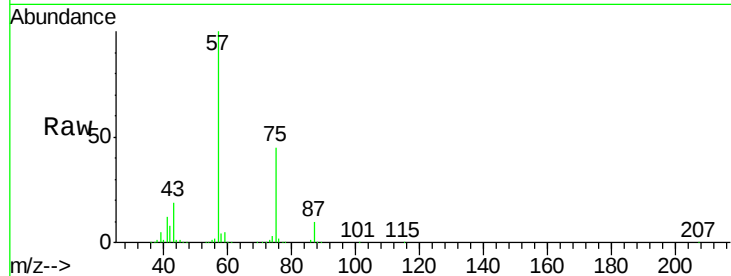




#59
2-Hexanone
Concen: 21.894 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

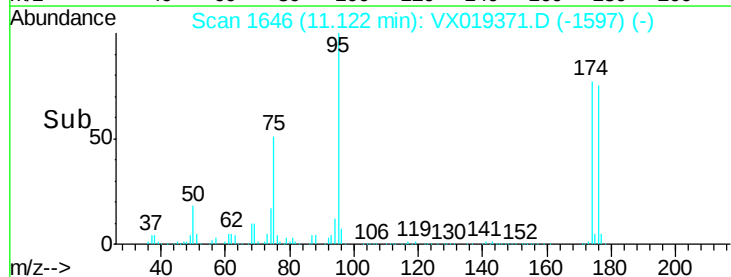
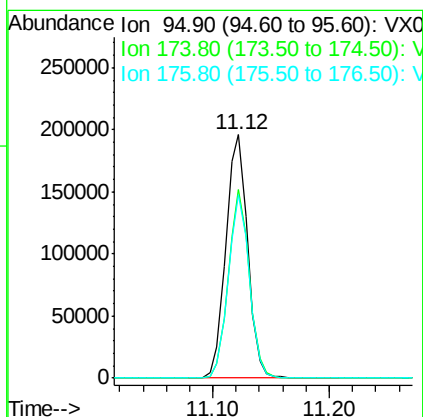
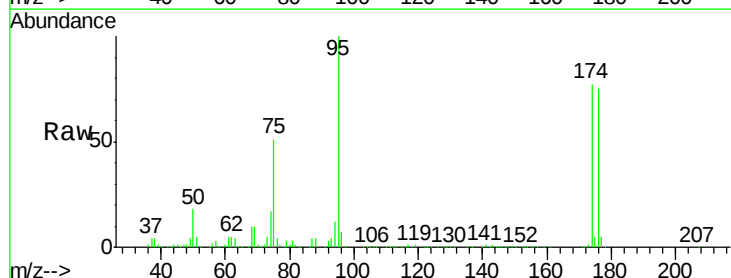
Instrument :
MSVOA_X
ClientSampleId :

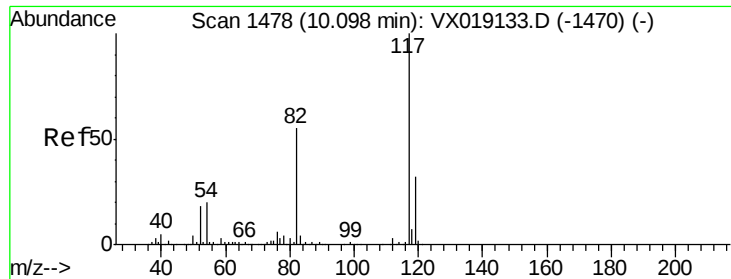
Tot Ion: 43 Resp: 72583
Ion Ratio Lower Upper
43 100
58 20.9 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 53.601 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 95 Resp: 253696
Ion Ratio Lower Upper
95 100
174 74.5 0.0 156.0
176 73.2 0.0 149.8

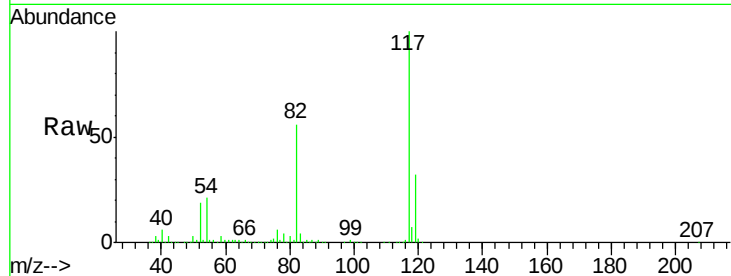




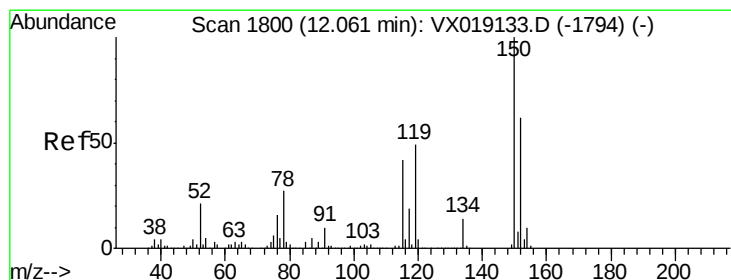
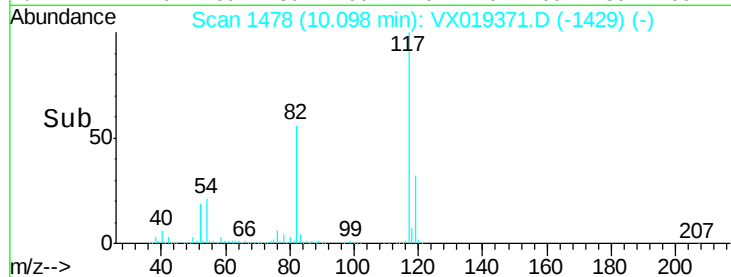
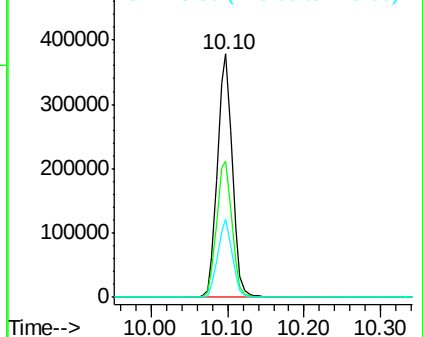
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 509744
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 32.5 25.5 38.3

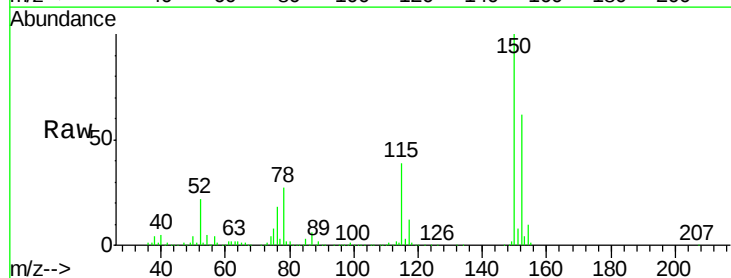


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

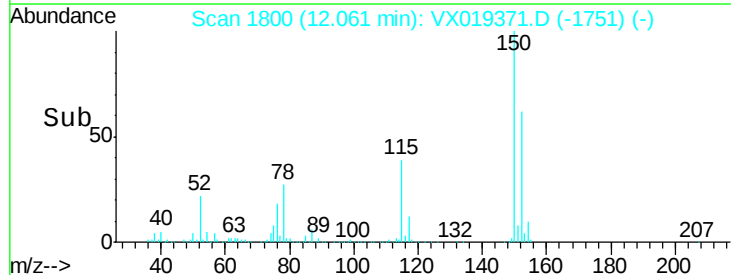
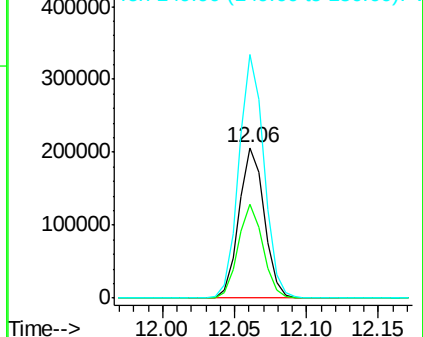


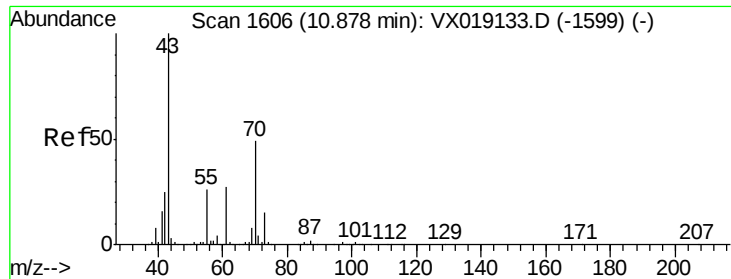
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion:152 Resp: 252126
Ion Ratio Lower Upper
152 100
115 61.1 41.9 125.7
150 160.4 0.0 347.8



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

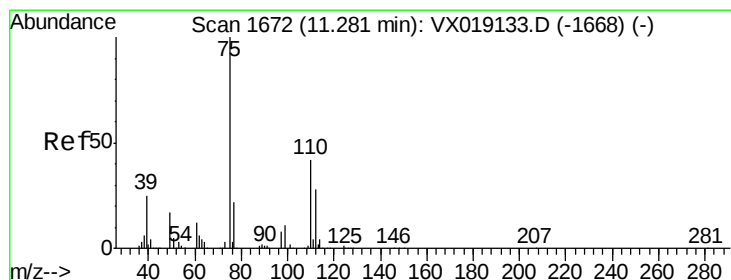
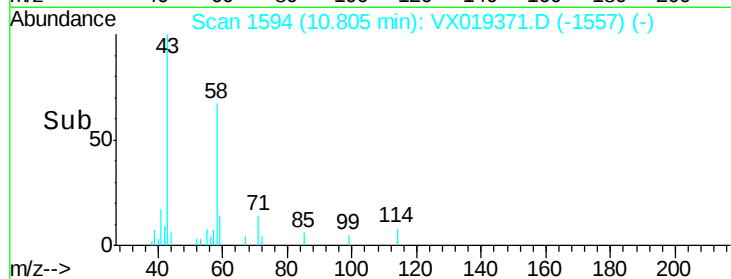
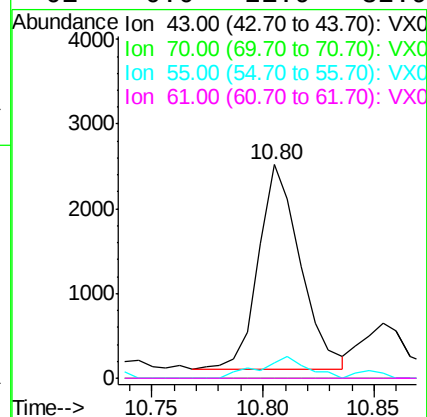
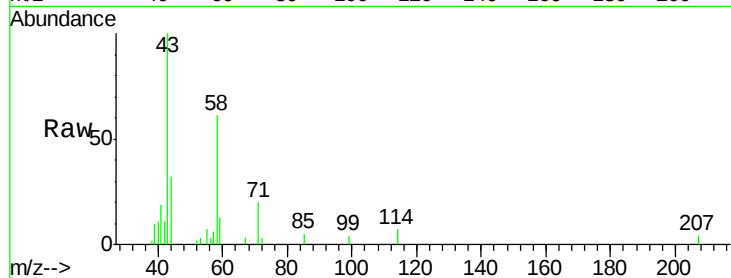




#74
N-amvl acetate
Concen: 0.481 ug/l
RT: 10.80 min Scan# 1594
Delta R.T. -0.07 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

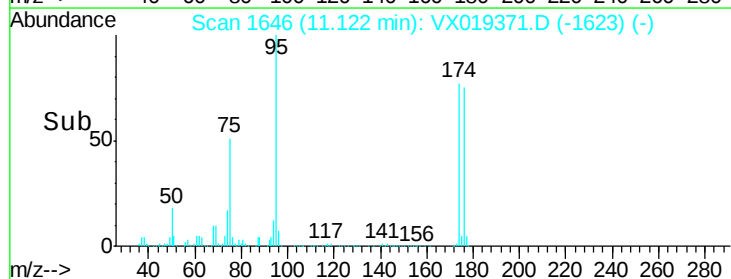
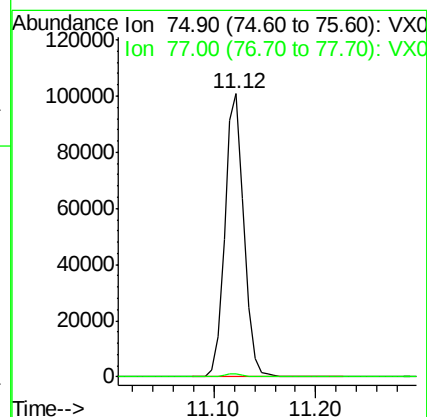
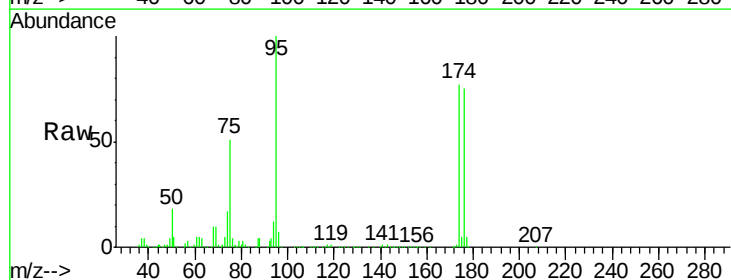
Instrument :
MSVOA_X
ClientSampleId :

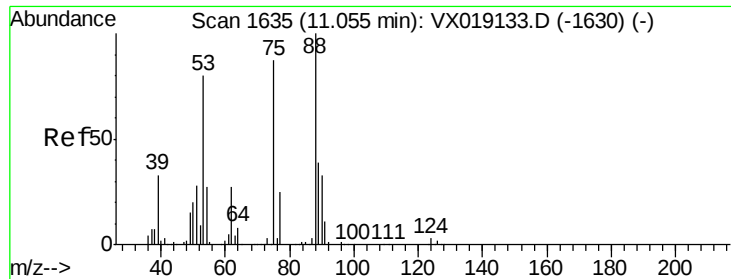
Tot Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
70 0.0 39.6 59.4#
55 11.9 20.7 31.1#
61 0.0 21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 25.124 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX019371.D
Acq: 09 Nov 2020 16:28

Tgt Ion: 75 Resp: 130794
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.152 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019371.D

Acq: 09 Nov 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 130794

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

