

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023690.D
 Acq On : 13 Aug 2021 15:02
 Operator : JC/MD
 Sample : PB138358ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:25:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

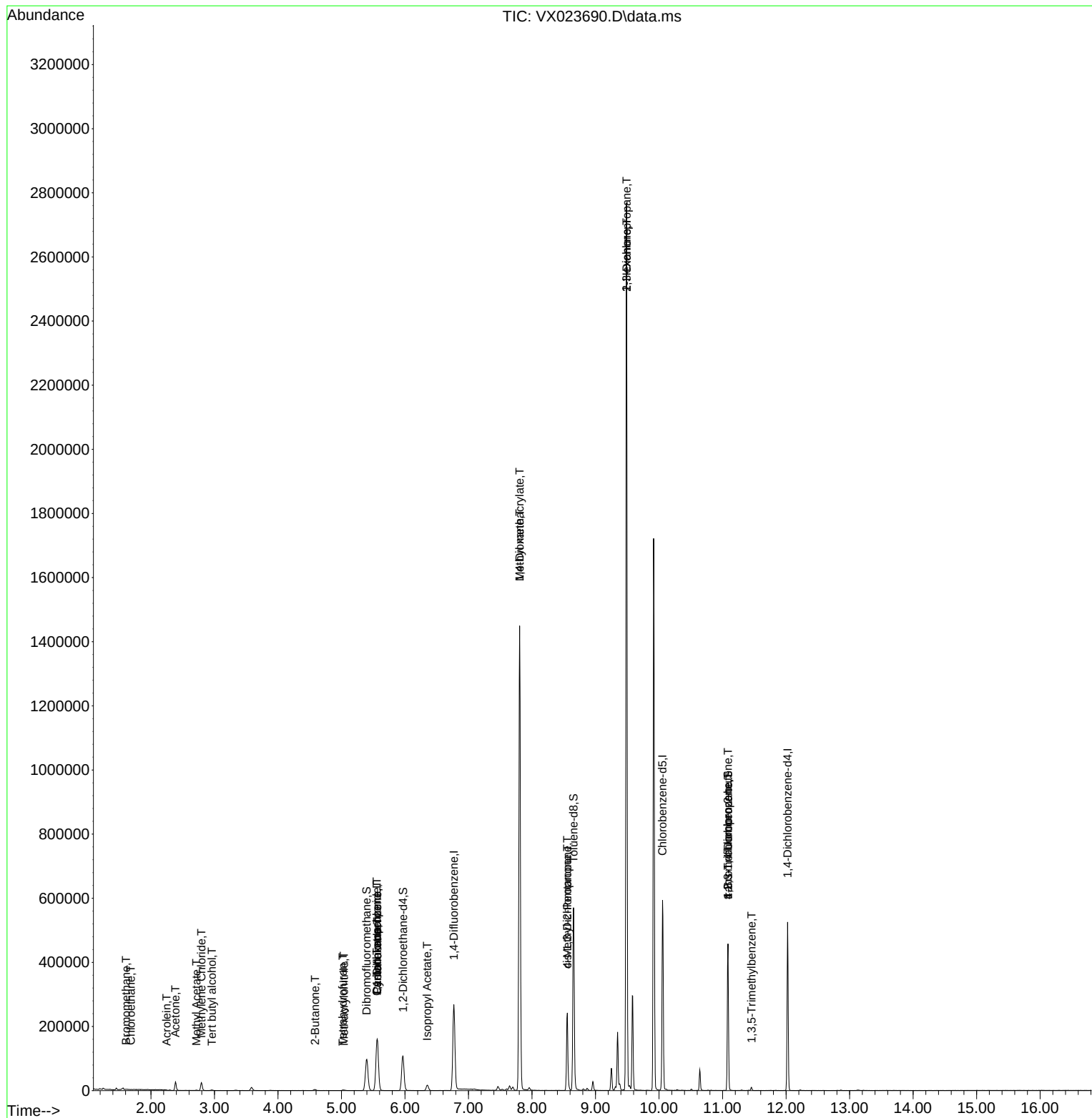
Internal Standards						
1) Pentafluorobenzene	5.562	168	154229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	264244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	107004	55.619	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.240%	
35) Dibromofluoromethane	5.397	113	85297	51.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.260%	
50) Toluene-d8	8.653	98	330496	54.446	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.900%	
62) 4-Bromofluorobenzene	11.085	95	115939	56.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	559	0.563	ug/l #	38
6) Chloroethane	1.685	64	266	0.259	ug/l #	84
11) Tert butyl alcohol	2.959	59	1345	3.060	ug/l #	73
13) Acrolein	2.245	56	72	1.684	ug/l #	72
16) Acetone	2.386	43	27041	28.653	ug/l	93
18) Methyl Acetate	2.715	43	1846	0.823	ug/l	92
20) Methylene Chloride	2.794	84	11057	6.023	ug/l #	90
25) 2-Butanone	4.586	43	4188	2.858	ug/l #	82
29) Tetrahydrofuran	5.019	42	1676	1.745	ug/l #	42
31) Cyclohexane	5.562	56	3579	1.256	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12081	5.054	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15690	6.454	ug/l #	16
41) Methacrylonitrile	5.038	41	1022	0.642	ug/l #	43
43) Isopropyl Acetate	6.348	43	23023	4.930	ug/l	92
48) Methyl methacrylate	7.805	41	129706	59.968	ug/l #	38
49) 1,4-Dioxane	7.805	88	154	3.344	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83761	29.323	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	35531	12.436	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	22570	7.470	ug/l #	43
59) 2-Hexanone	9.488	43	331489	152.819	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	60845	26.692	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4588	0.721	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	60845	71.771	ug/l #	12

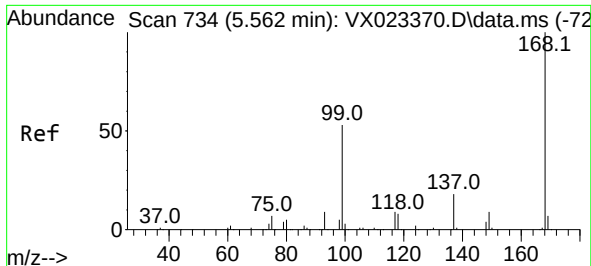
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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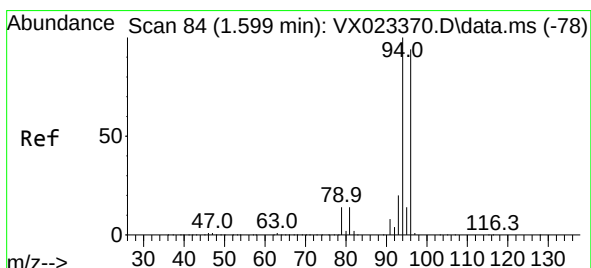
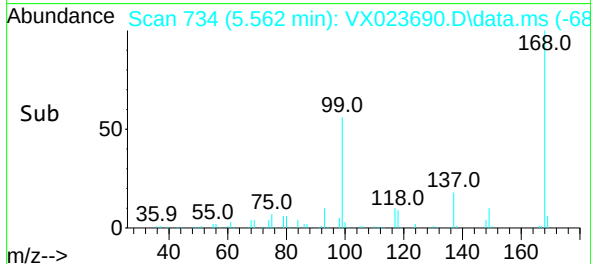
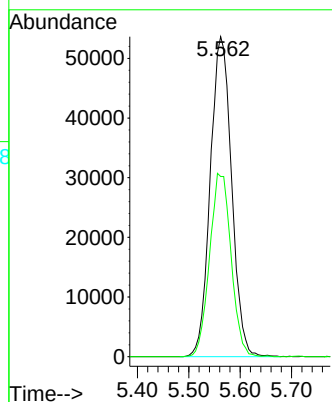
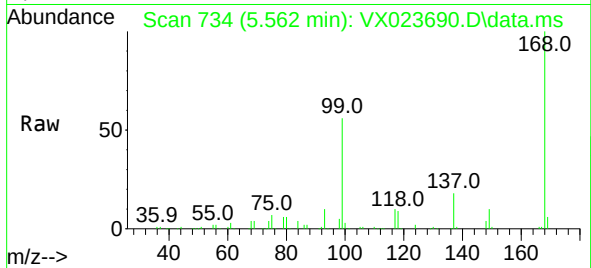




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

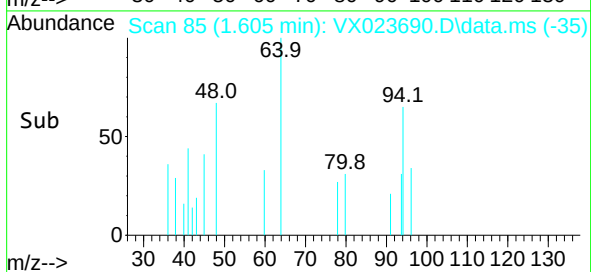
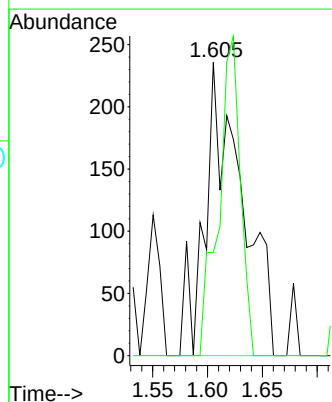
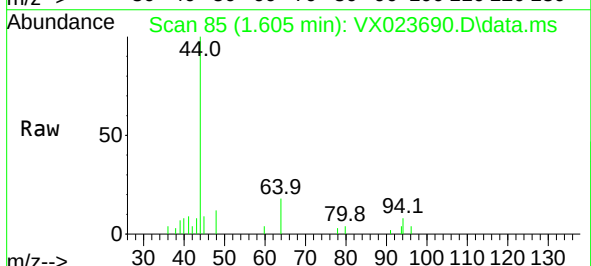
Instrument :
MSVOA_X
ClientSampleId :

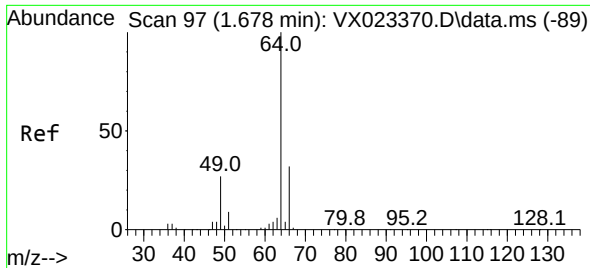
Tgt Ion:168 Resp: 154229
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#5
Bromomethane
Concen: 0.563 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 35.2 76.4 114.6#

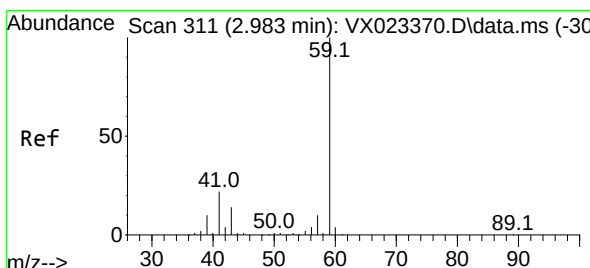
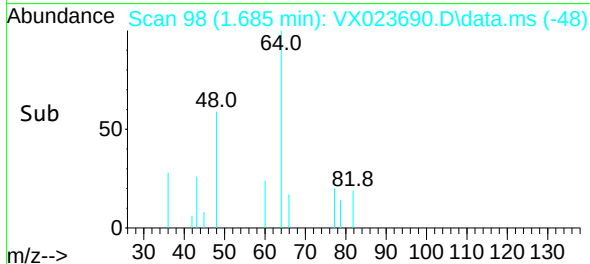
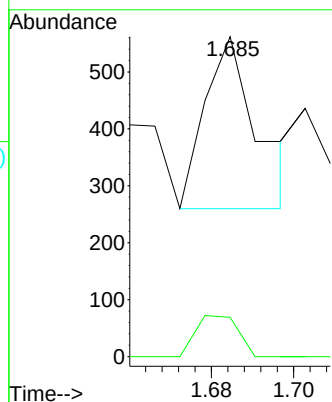
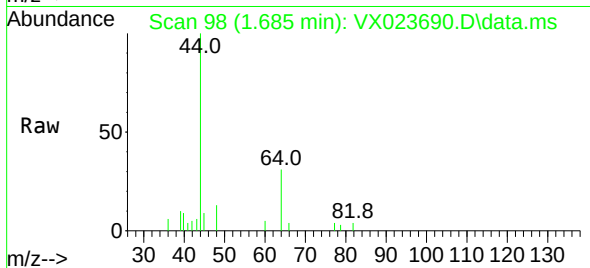




#6
Chloroethane
Concen: 0.259 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

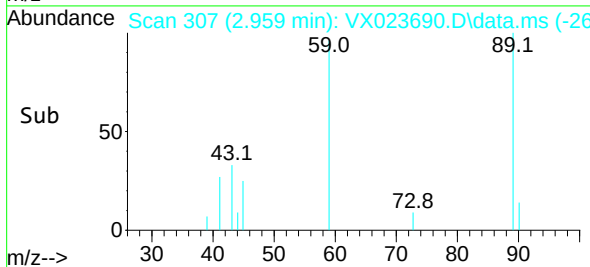
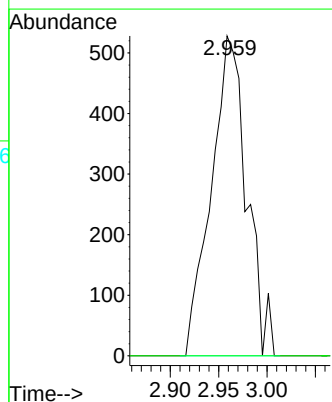
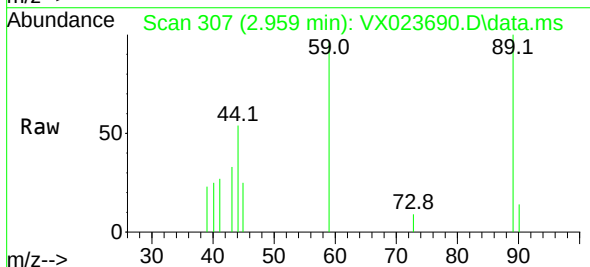
Instrument :
MSVOA_X
ClientSampled :

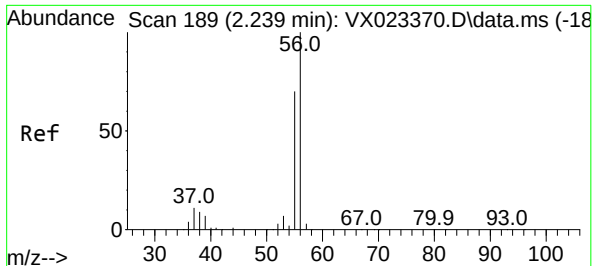
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 22.8 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.060 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 59 Resp: 1345
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

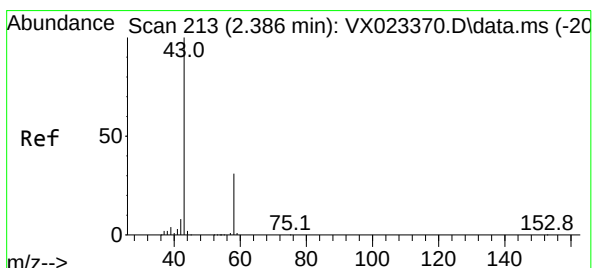
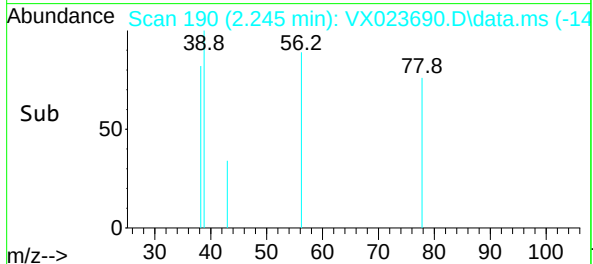
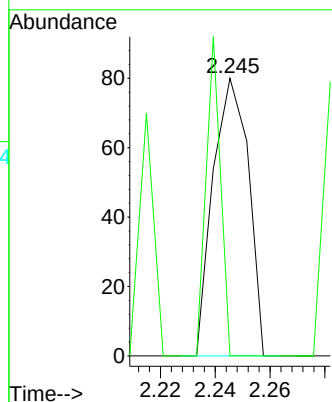
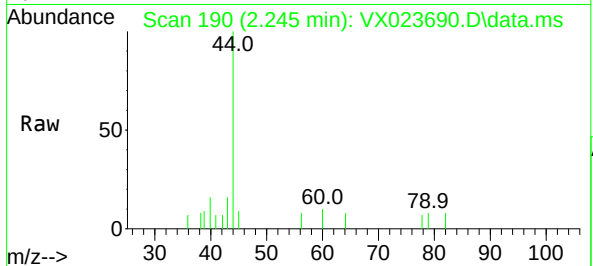




#13
Acrolein
Concen: 1.684 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

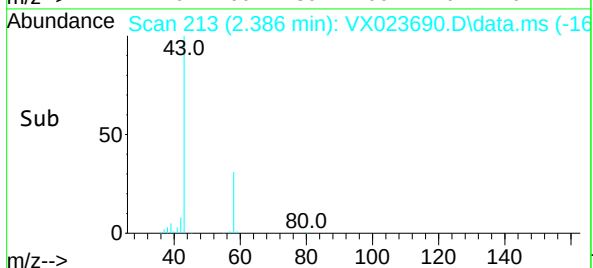
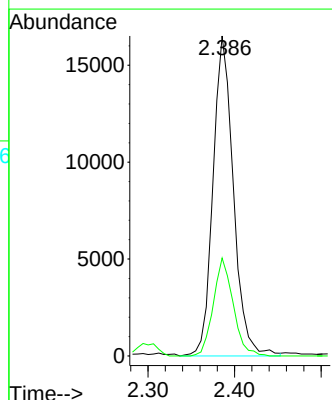
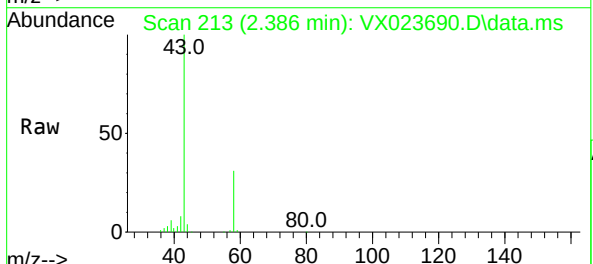
Instrument :
MSVOA_X
ClientSampled :

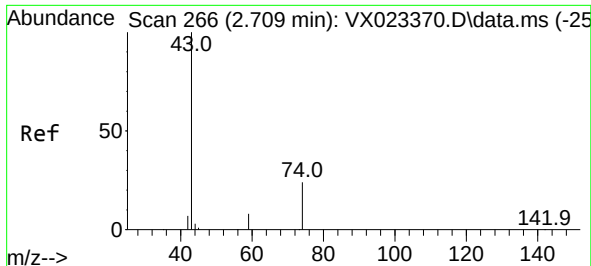
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 47.2 56.4 84.6#



#16
Acetone
Concen: 28.653 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 43 Resp: 27041
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8

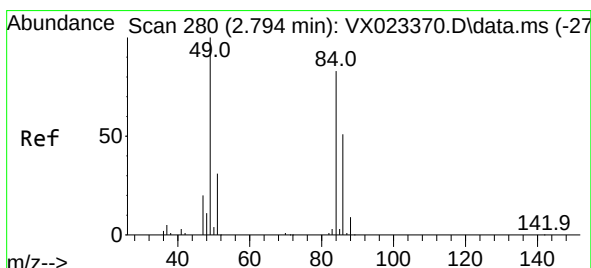
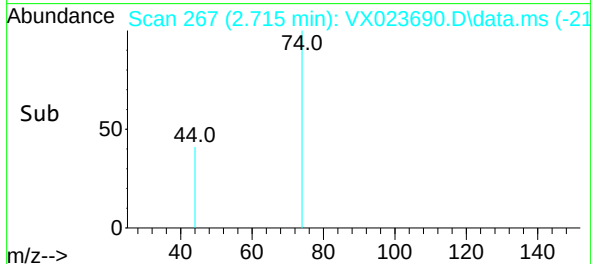
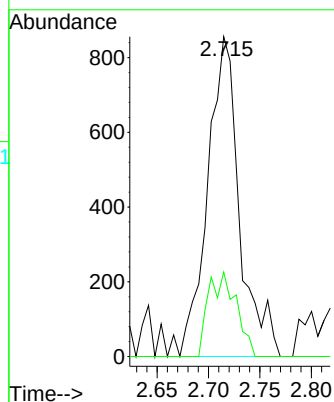
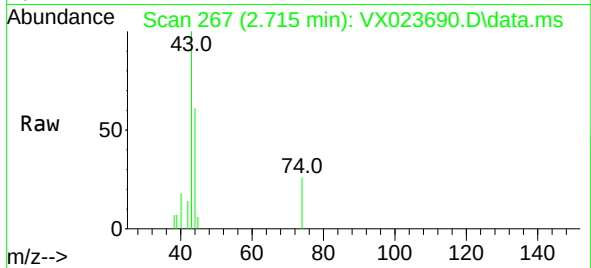




#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

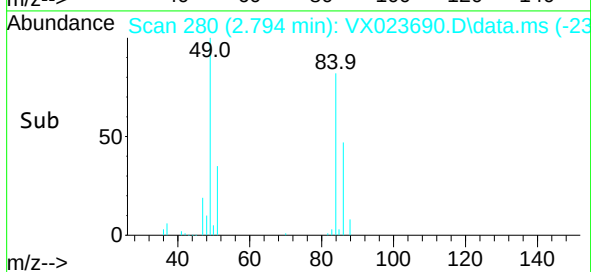
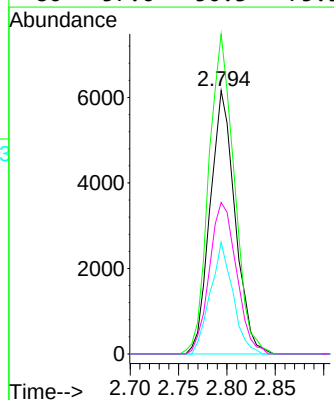
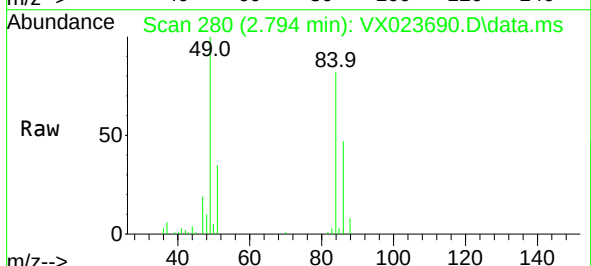
Instrument :
MSVOA_X
ClientSampled :

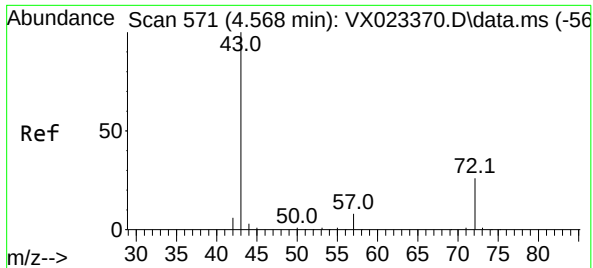
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
74 23.0 21.9 32.9



#20
Methylene Chloride
Concen: 6.023 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 84 Resp: 11057
Ion Ratio Lower Upper
84 100
49 121.5 88.6 132.8
51 42.4 27.0 40.6#
86 57.6 50.3 75.5

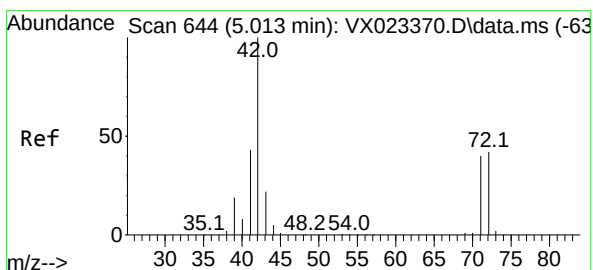
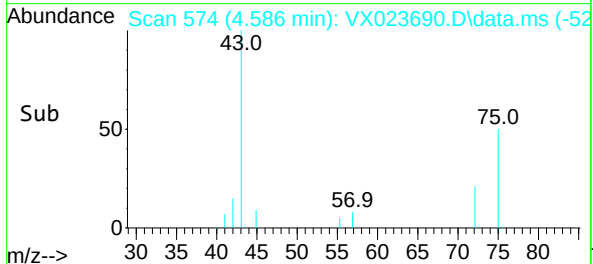
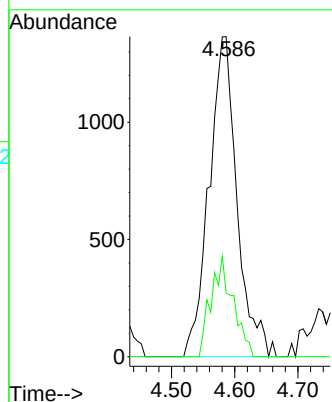
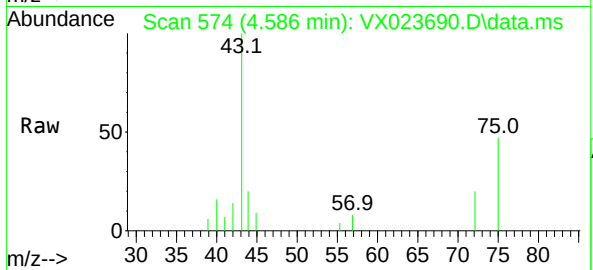




#25
2-Butanone
Concen: 2.858 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

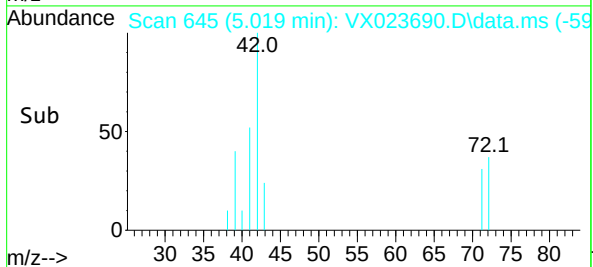
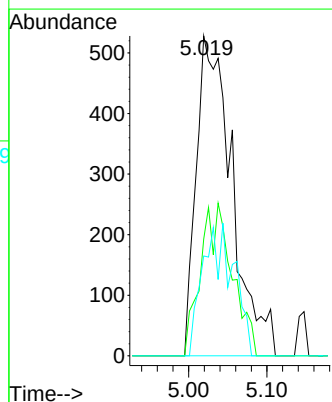
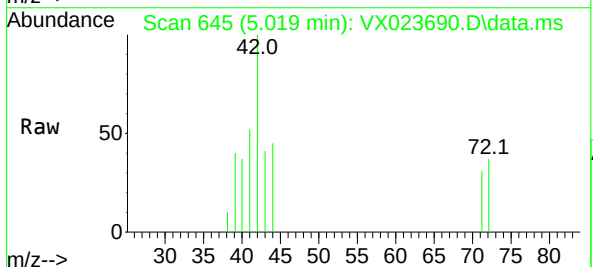
Instrument :
MSVOA_X
ClientSampled :

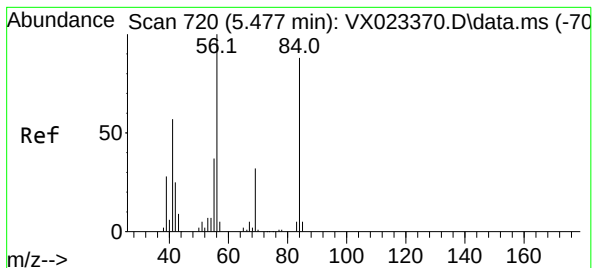
Tgt Ion: 43 Resp: 4188
Ion Ratio Lower Upper
43 100
72 19.9 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.745 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 42 Resp: 1676
Ion Ratio Lower Upper
42 100
72 19.2 41.7 62.5#
71 0.0 38.4 57.6#





#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023690.D

Acq: 13 Aug 2021 15:02

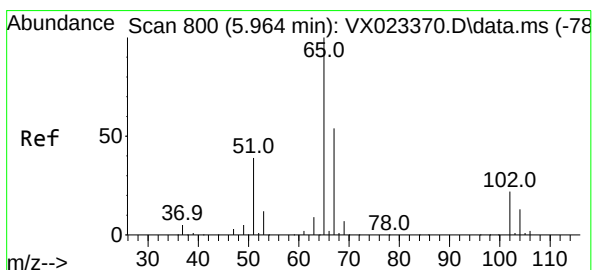
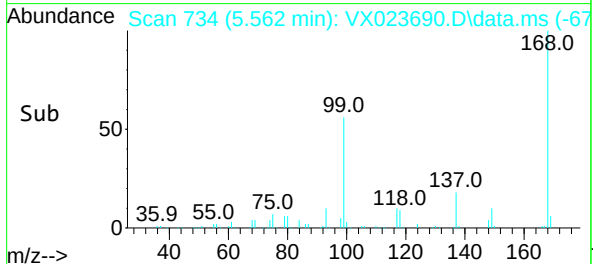
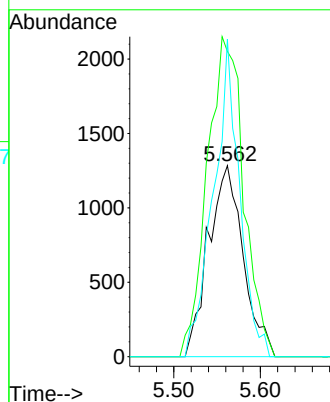
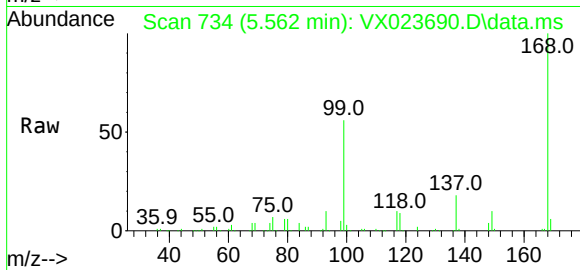
Tgt Ion: 56 Resp: 3579

Ion Ratio Lower Upper

56 100

69 159.9 25.3 37.9#

84 166.3 71.4 107.0#



#33

1,2-Dichloroethane-d4

Concen: 55.619 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023690.D

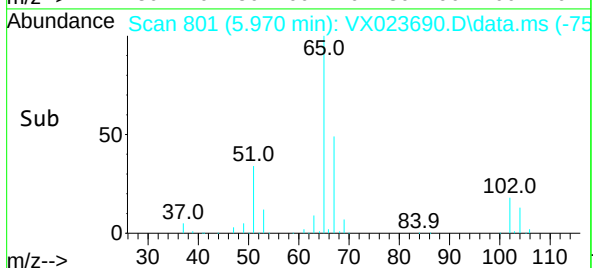
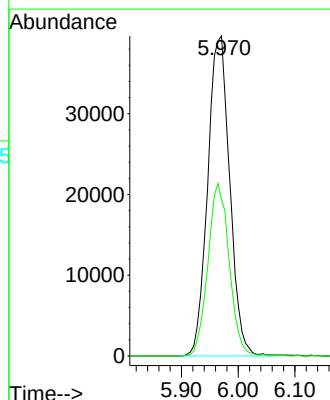
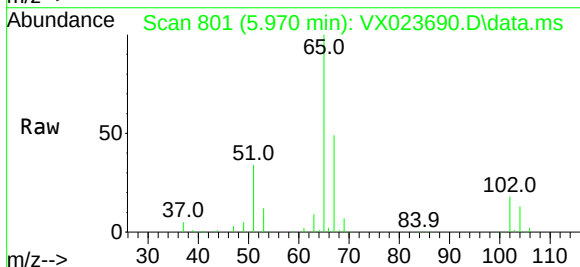
Acq: 13 Aug 2021 15:02

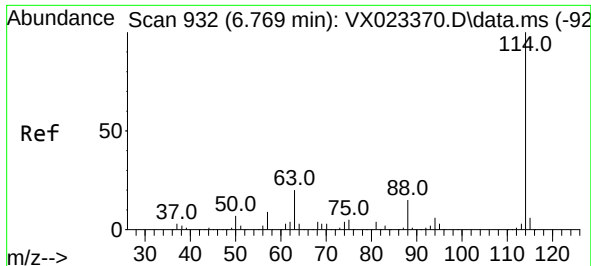
Tgt Ion: 65 Resp: 107004

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4

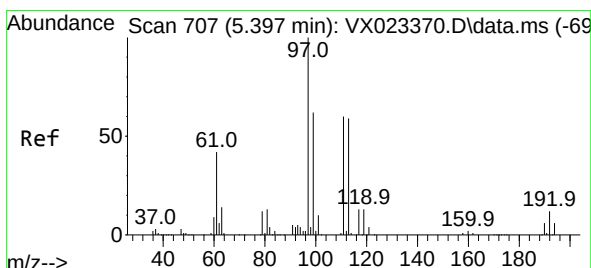
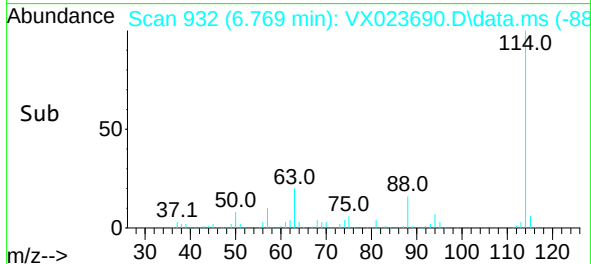
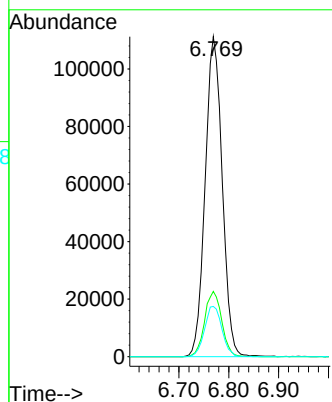
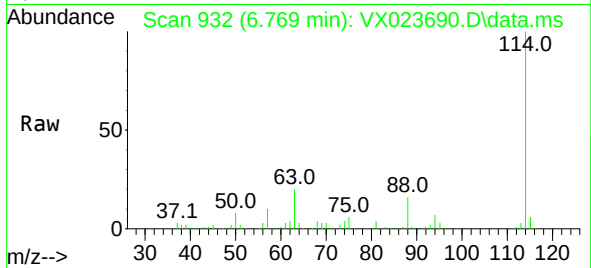




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

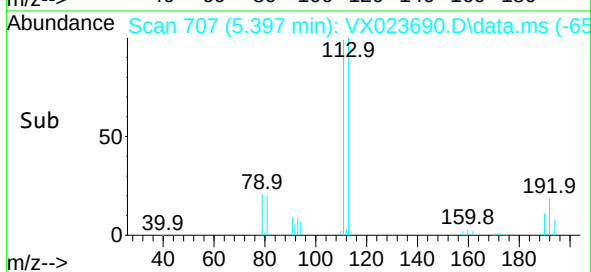
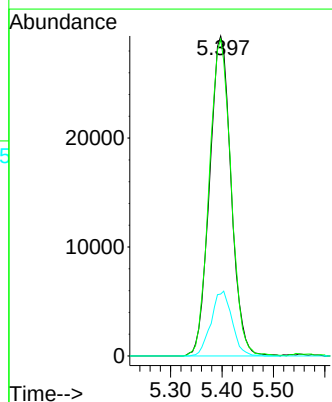
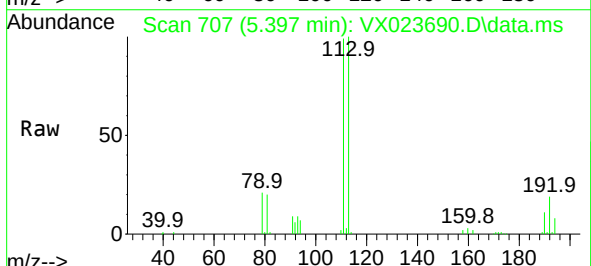
Instrument :
MSVOA_X
ClientSampled :

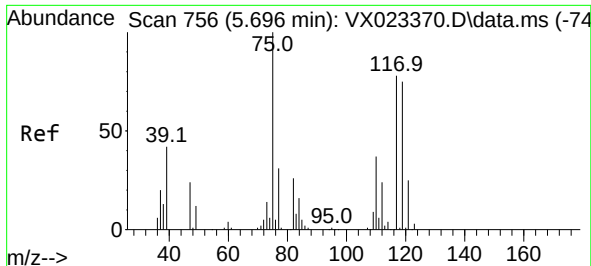
Tgt Ion:114 Resp: 264244
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.627 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion:113 Resp: 85297
Ion Ratio Lower Upper
113 100
111 100.5 81.9 122.9
192 19.7 16.7 25.1

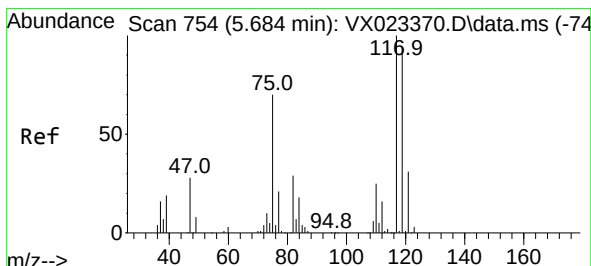
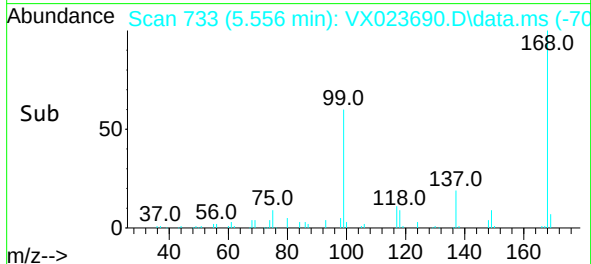
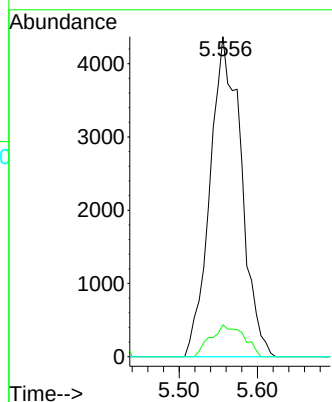
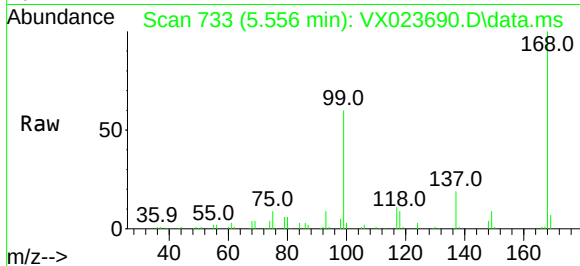




#36
1,1-Dichloropropene
Concen: 5.054 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

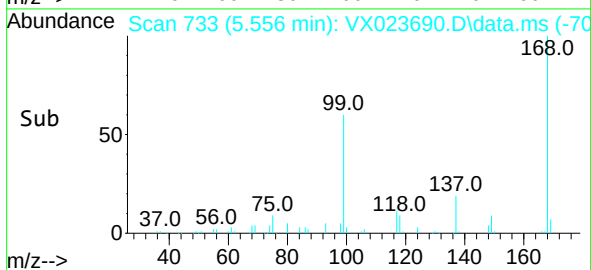
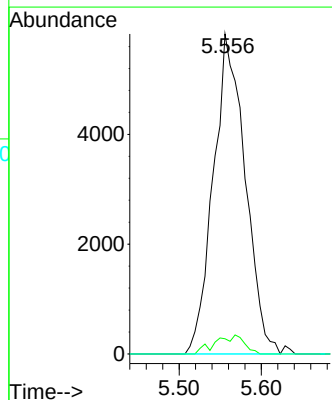
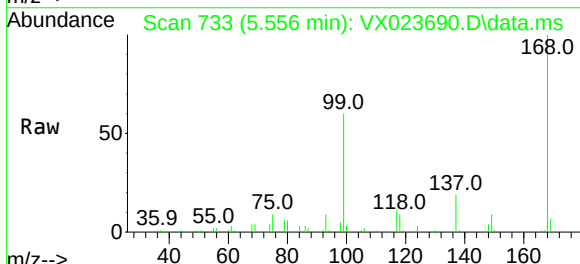
Instrument :
MSVOA_X
ClientSampled :

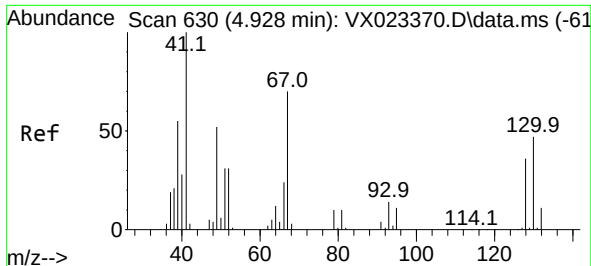
Tgt Ion: 75 Resp: 12081
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 117 Resp: 15690
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

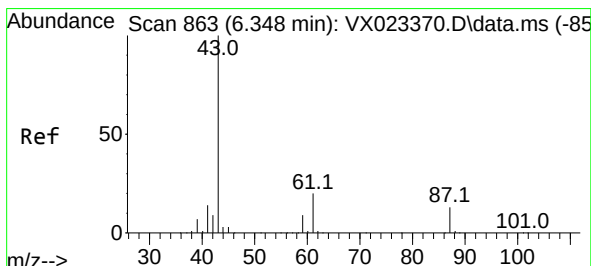
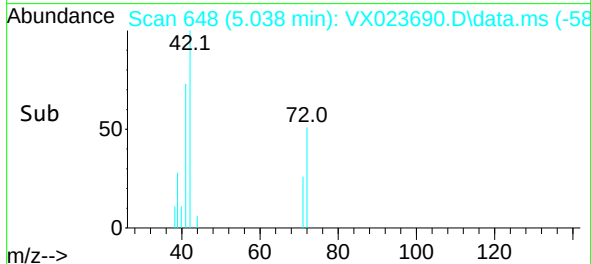
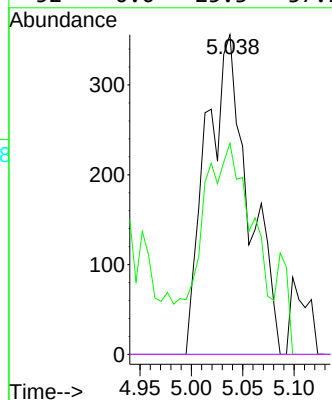
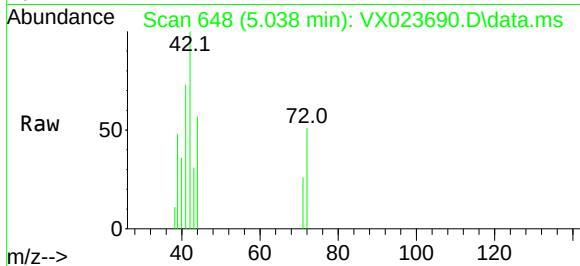




#41
Methacrylonitrile
Concen: 0.642 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

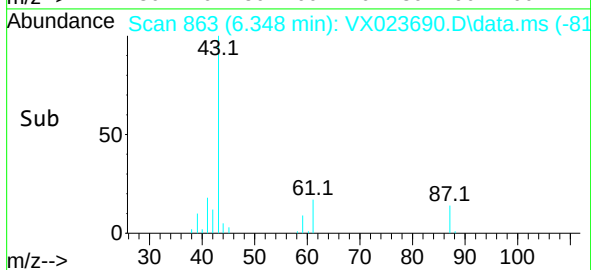
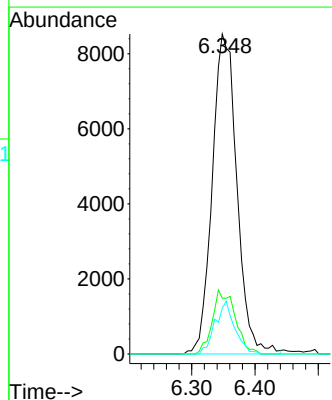
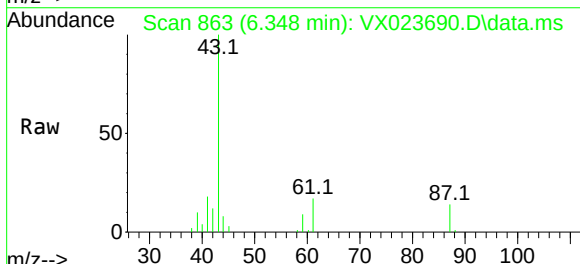
Instrument :
MSVOA_X
ClientSampleId :

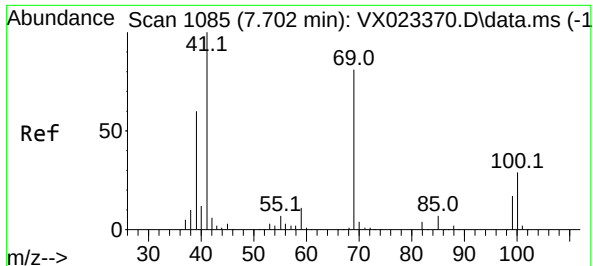
Tgt Ion:	41	Resp:	1022
Ion	Ratio	Lower	Upper
41	100		
39	55.6	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.930 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion:	43	Resp:	23023
Ion	Ratio	Lower	Upper
43	100		
61	18.6	18.2	27.4
87	13.1	12.5	18.7

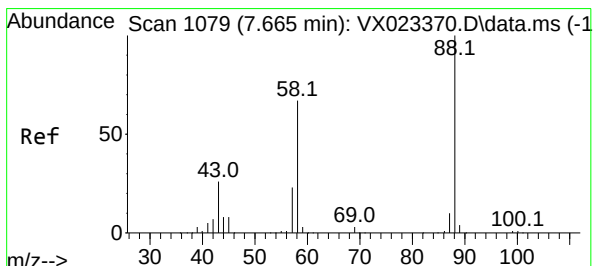
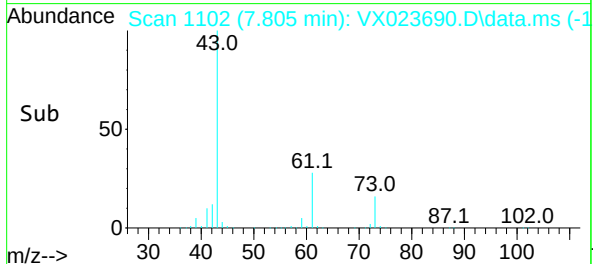
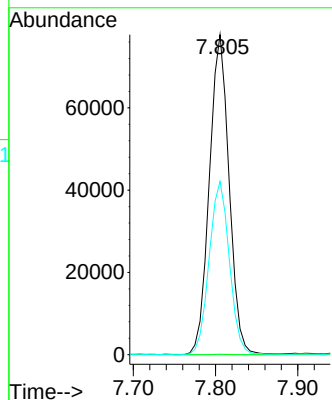
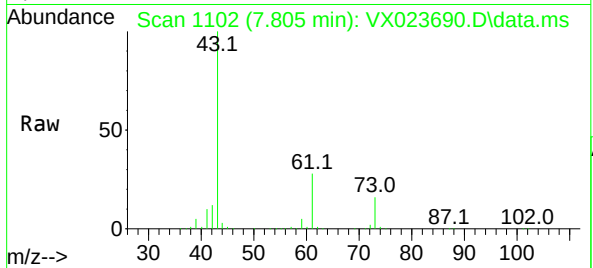




#48
Methyl methacrylate
Concen: 59.968 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

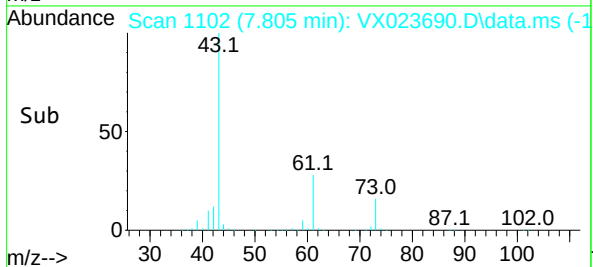
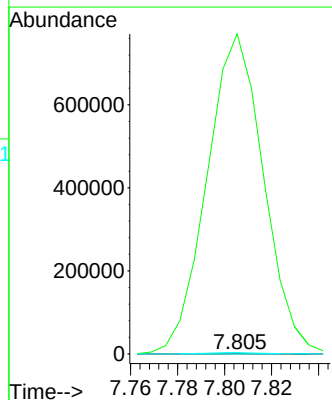
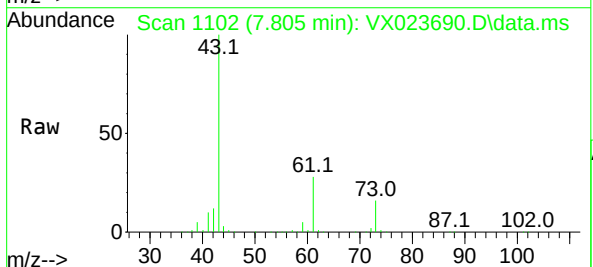
Instrument :
MSVOA_X
ClientSampled :

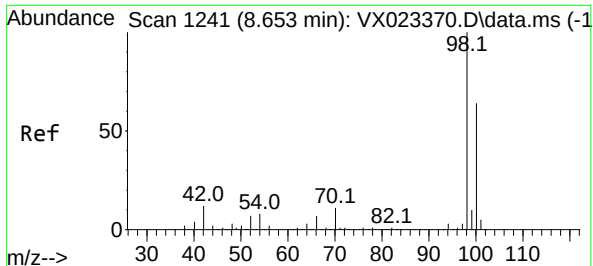
Tgt Ion: 41 Resp: 129706
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 55.4 44.6 67.0



#49
1,4-Dioxane
Concen: 3.344 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 845615.6 23.2 34.8#
58 3703.2 55.0 82.4#





#50

Toluene-d8

Concen: 54.446 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023690.D

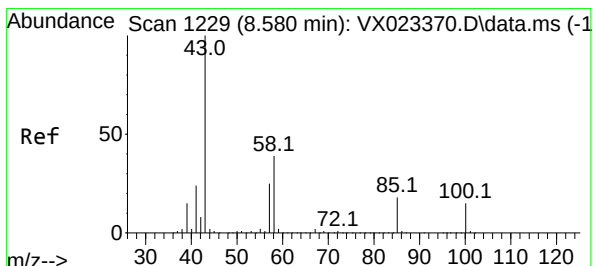
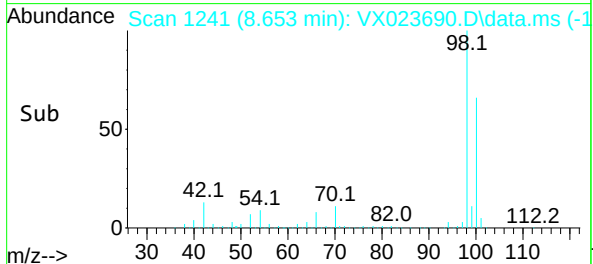
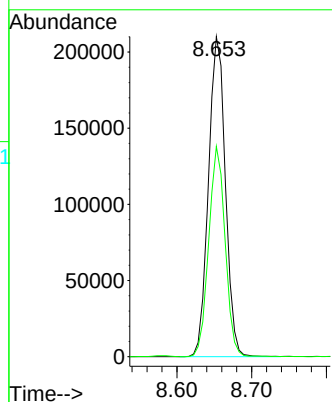
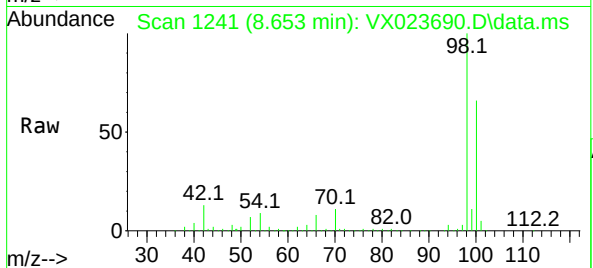
Acq: 13 Aug 2021 15:02

Tgt Ion: 98 Resp: 330496

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 29.323 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX023690.D

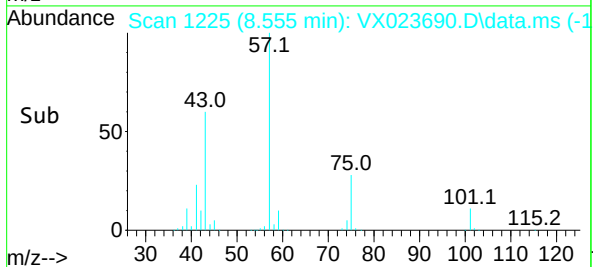
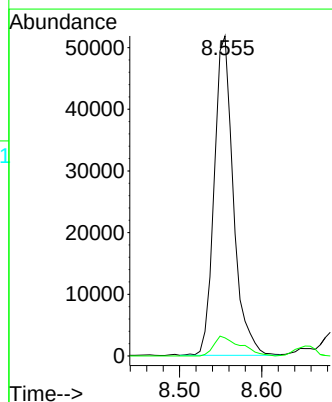
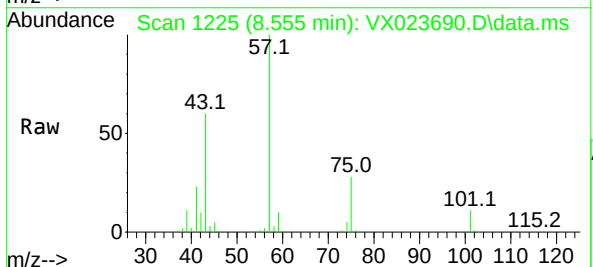
Acq: 13 Aug 2021 15:02

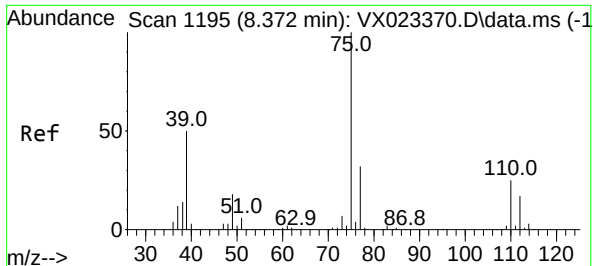
Tgt Ion: 43 Resp: 83761

Ion Ratio Lower Upper

43 100

58 8.6 35.4 53.0#

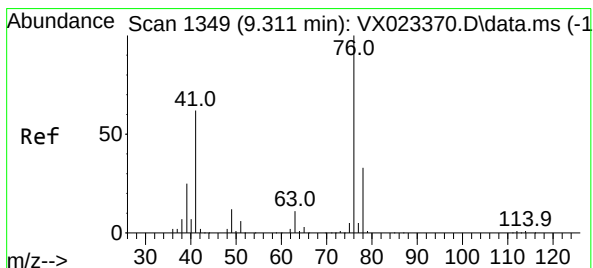
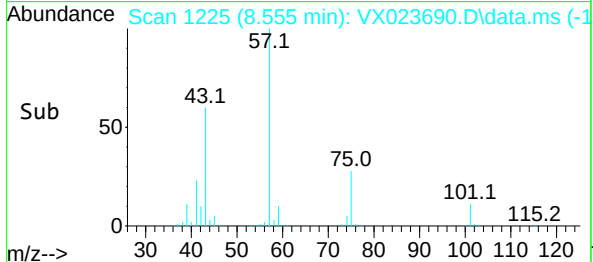
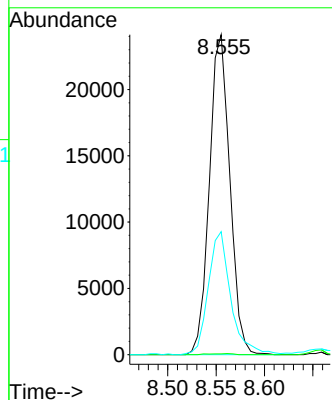
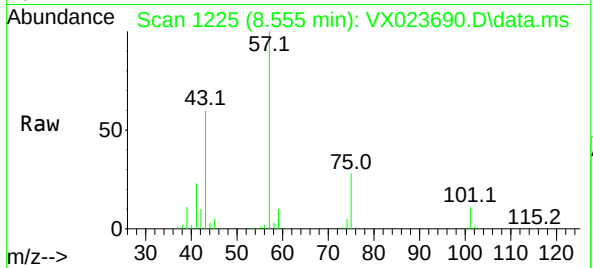




#54
 cis-1,3-Dichloropropene
 Concen: 12.436 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023690.D
 Acq: 13 Aug 2021 15:02

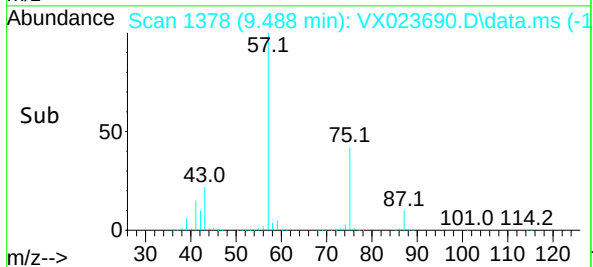
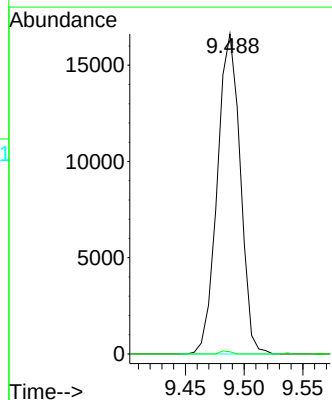
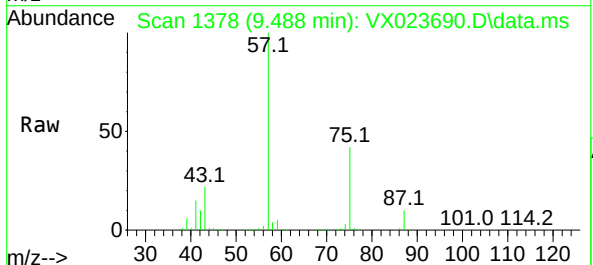
Instrument :
 MSVOA_X
 ClientSampled :

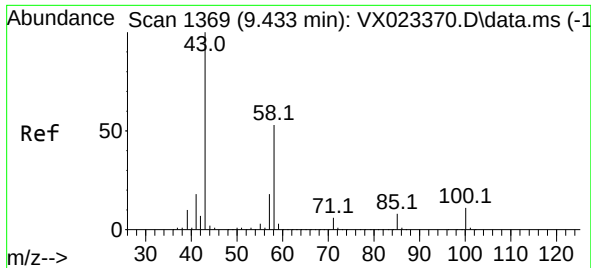
Tgt Ion: 75 Resp: 35531
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 38.5 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.470 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023690.D
 Acq: 13 Aug 2021 15:02

Tgt Ion: 76 Resp: 22570
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

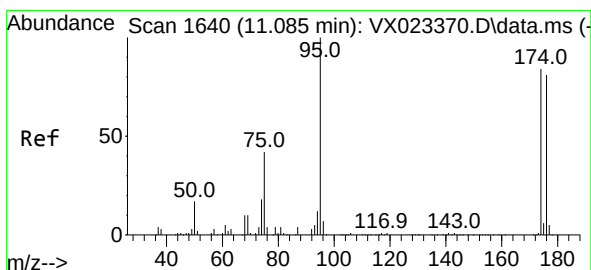
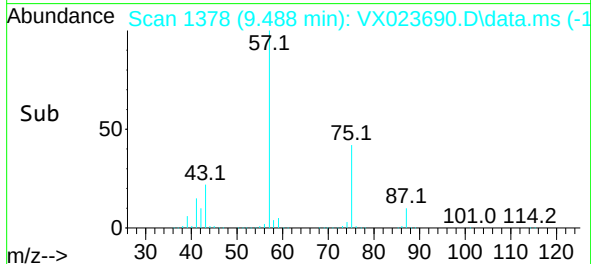
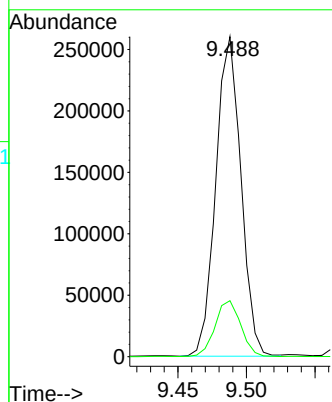
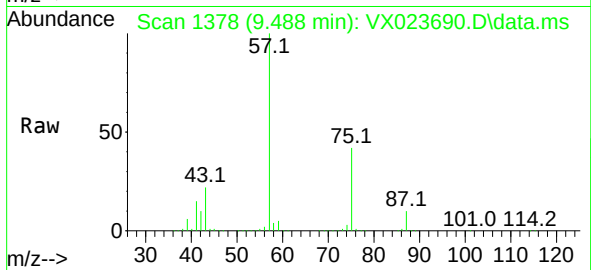




#59
2-Hexanone
Concen: 152.819 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

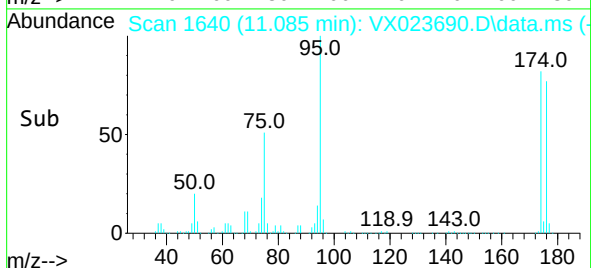
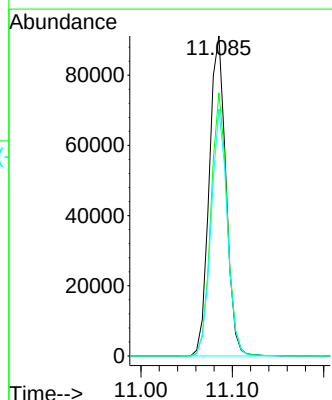
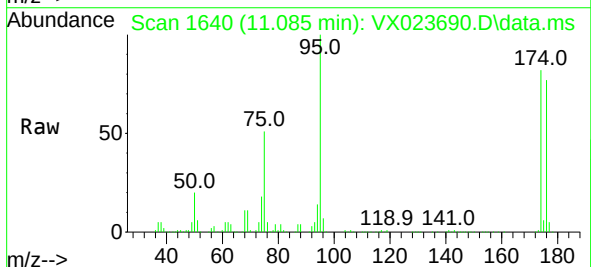
Instrument :
MSVOA_X
ClientSampled :

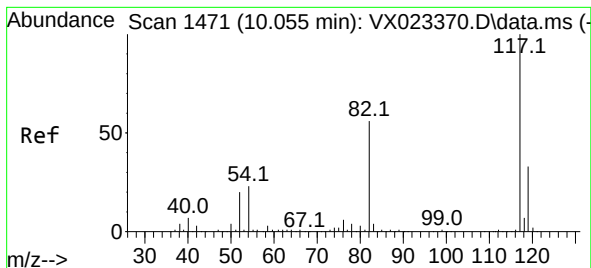
Tgt Ion: 43 Resp: 331489
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 56.170 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion: 95 Resp: 115939
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 74.7 0.0 155.8

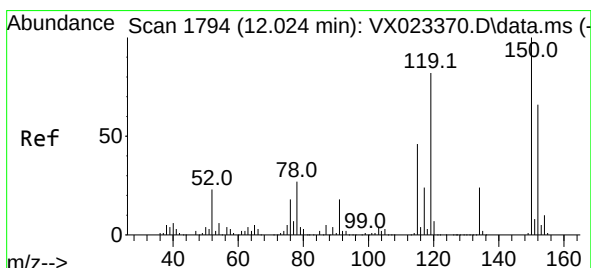
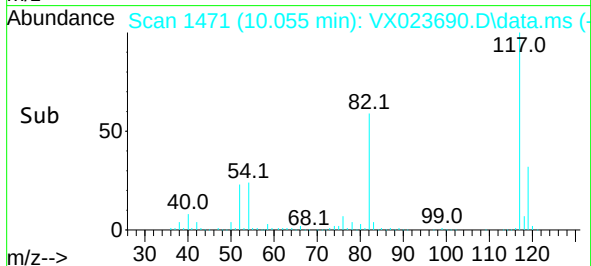
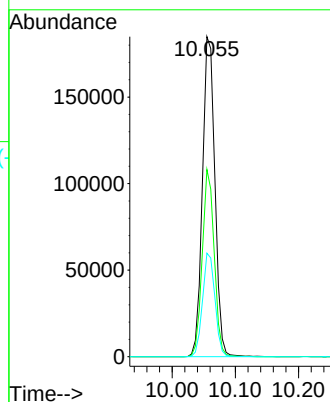
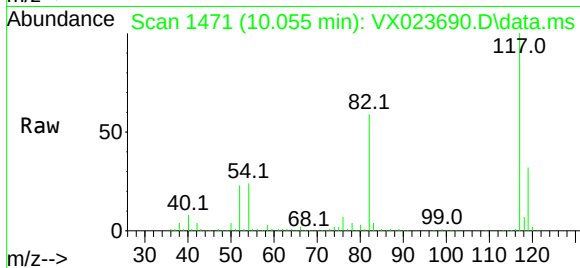




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

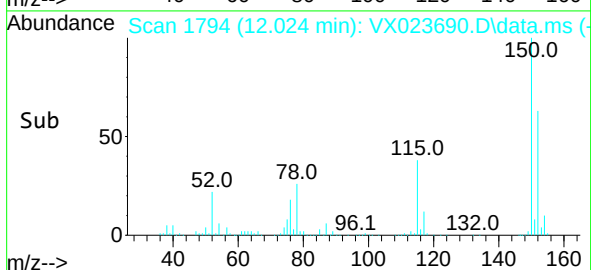
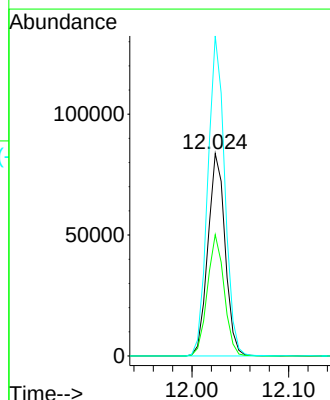
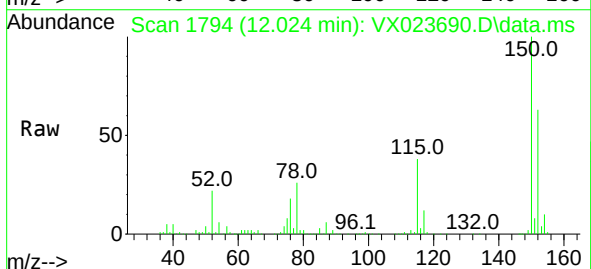
Instrument :
MSVOA_X
ClientSampled :

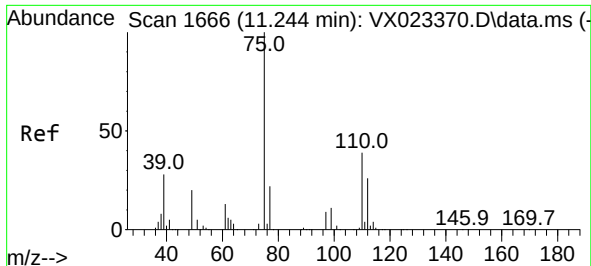
Tgt Ion:117 Resp: 254175
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

Tgt Ion:152 Resp: 103588
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 155.9 0.0 349.0

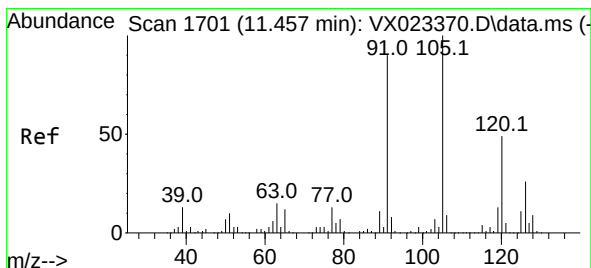
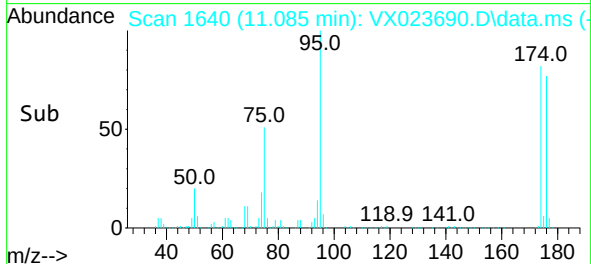
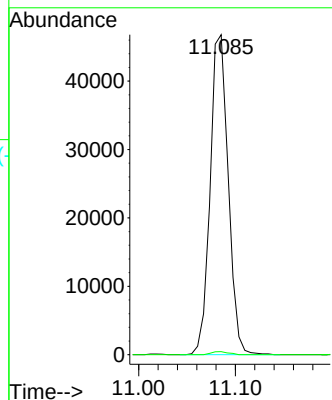
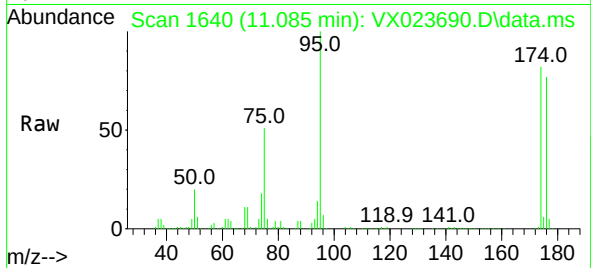




#76
1,2,3-Trichloropropane
Concen: 26.692 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

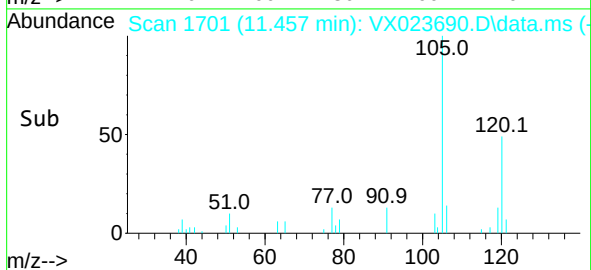
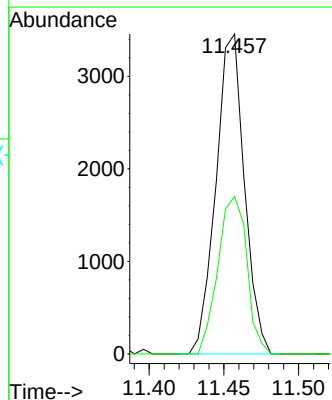
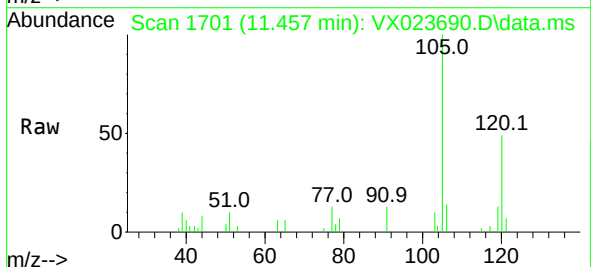
Instrument :
MSVOA_X
ClientSampled :

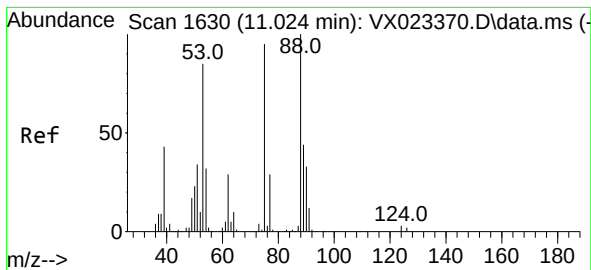
Tgt Ion: 75 Resp: 60845
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.721 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023690.D
Acq: 13 Aug 2021 15:02

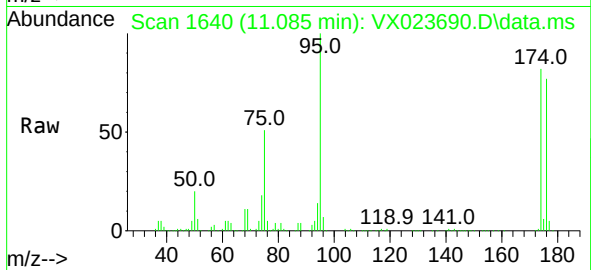
Tgt Ion: 105 Resp: 4588
Ion Ratio Lower Upper
105 100
120 49.8 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.771 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023690.D
 Acq: 13 Aug 2021 15:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 60845
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

