

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023409.D
 Acq On : 23 Jul 2021 05:59
 Operator : JC/MD
 Sample : M3131-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

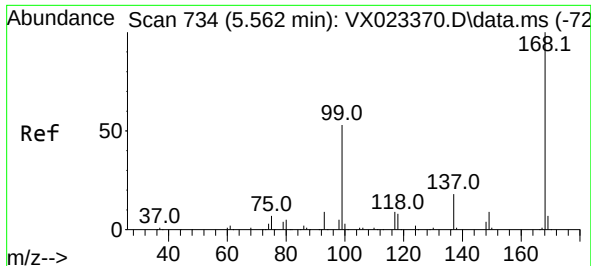
Instrument :
 MSVOA_X
 ClientSampleId :
 21194-21240

Quant Time: Jul 23 08:10:30 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	186707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	318369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	288998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	120303	51.654	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.300%			
35) Dibromofluoromethane	5.397	113	100604	50.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	8.653	98	384670	52.598	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.200%			
62) 4-Bromofluorobenzene	11.085	95	124011	49.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.740%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	461	0.383	ug/l #	64
6) Chloroethane	1.746	64	554	0.446	ug/l	89
11) Tert butyl alcohol	2.965	59	1373	2.581	ug/l #	73
13) Acrolein	2.239	56	655	3.772	ug/l #	40
16) Acetone	2.386	43	51989	45.506	ug/l	95
17) Carbon Disulfide	2.514	76	1043	0.231	ug/l #	93
18) Methyl Acetate	2.715	43	1913	0.704	ug/l	93
20) Methylene Chloride	2.794	84	17258	7.766	ug/l	87
25) 2-Butanone	4.581	43	10530	5.937	ug/l #	82
29) Tetrahydrofuran	5.026	42	3430	2.950	ug/l #	68
31) Cyclohexane	5.556	56	4176	1.210	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	14371	4.990	ug/l #	50
38) Carbon Tetrachloride	5.556	117	18628	6.360	ug/l #	16
43) Isopropyl Acetate	6.348	43	23250	4.132	ug/l	95
48) Methyl methacrylate	7.806	41	125126	48.016	ug/l #	37
49) 1,4-Dioxane	7.799	88	214	3.857	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	84241	24.477	ug/l #	47
52) Toluene	8.720	92	1242	0.235	ug/l	90
53) t-1,3-Dichloropropene	8.958	75	25	1.824	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	36189	10.513	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	21381	5.874	ug/l #	42
59) 2-Hexanone	9.488	43	304219	116.404	ug/l #	44
74) N-amyl acetate	10.768	43	1180	0.300	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	63651	25.331	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	63651	68.113	ug/l #	12
90) Hexachloroethane	12.707	117	55	1.940	ug/l #	9
95) Naphthalene	13.780	128	8480	1.054	ug/l	98

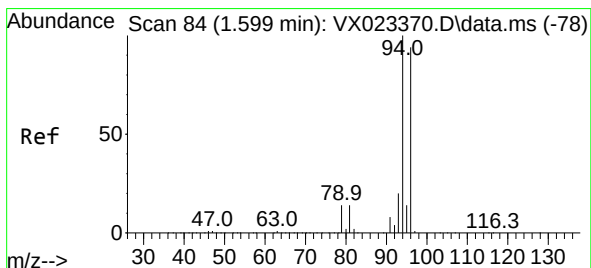
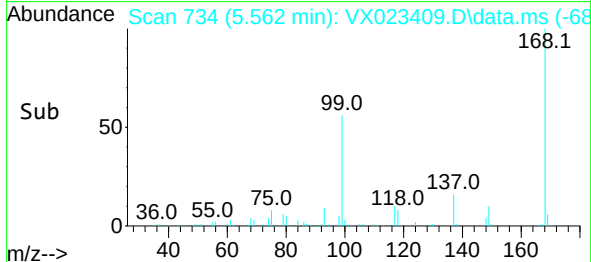
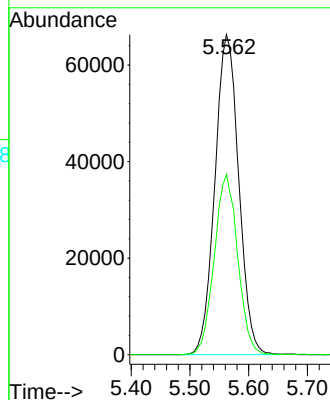
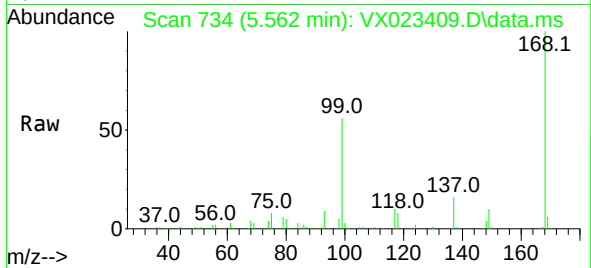
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

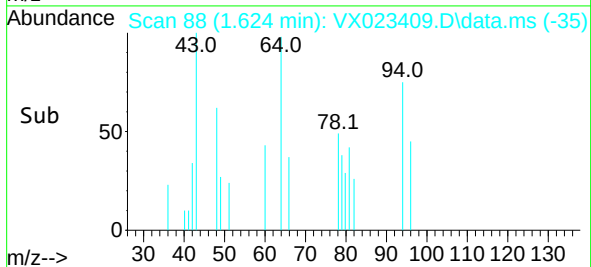
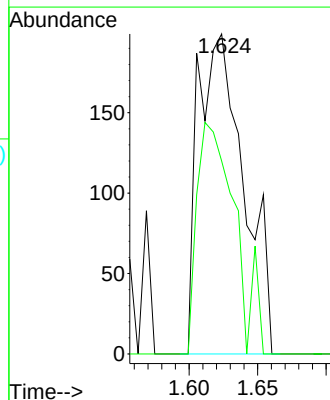
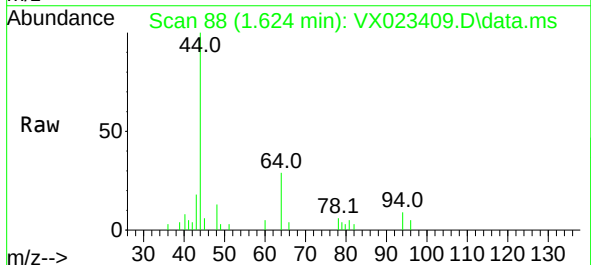
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

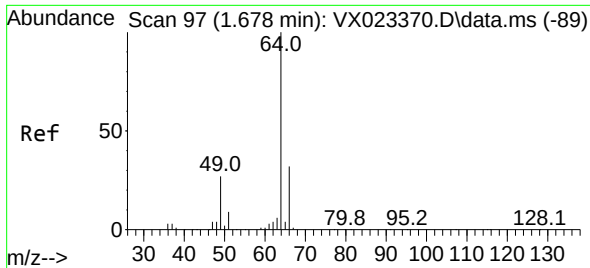
Tgt Ion:168 Resp: 186707
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#5
Bromomethane
Concen: 0.383 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 60.3 76.4 114.6#

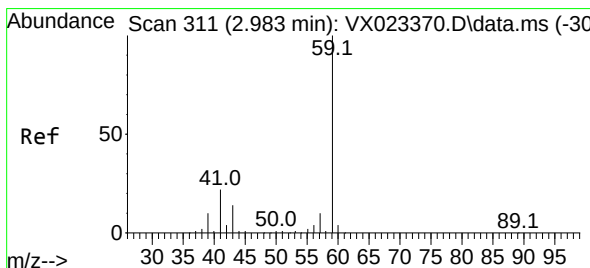
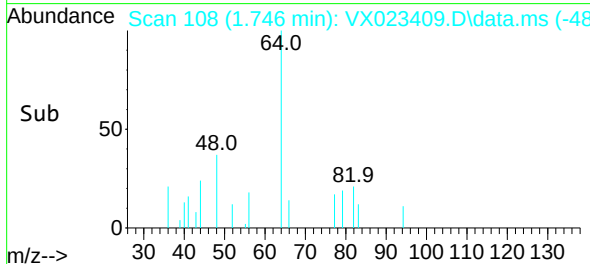
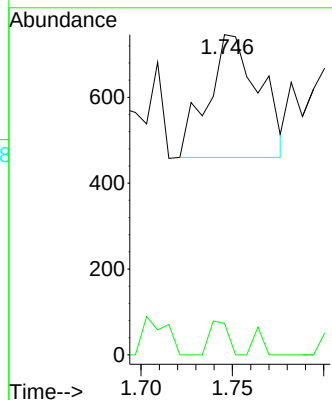
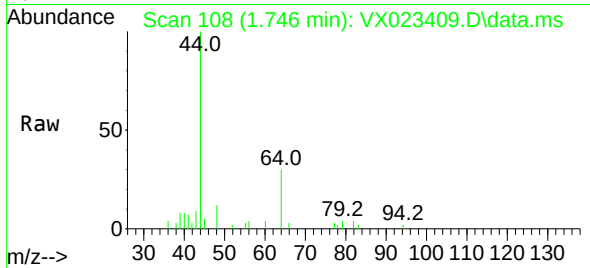




#6
Chloroethane
Concen: 0.446 ug/l
RT: 1.746 min Scan# 108
Delta R.T. 0.068 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

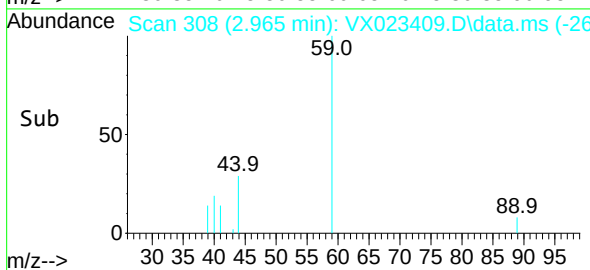
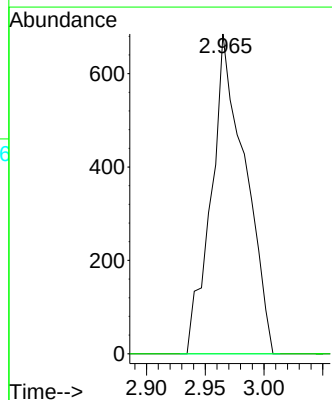
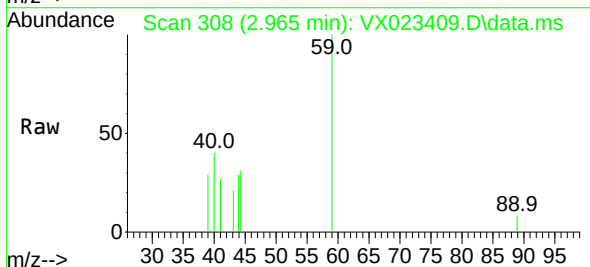
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

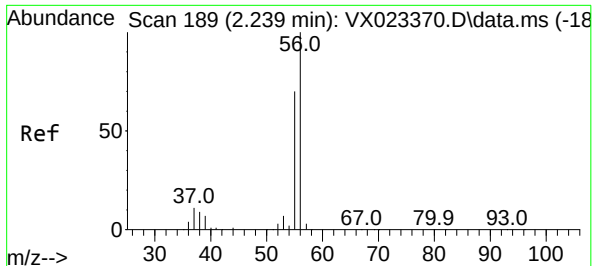
Tgt Ion: 64 Resp: 554
Ion Ratio Lower Upper
64 100
66 25.5 25.4 38.0



#11
Tert butyl alcohol
Concen: 2.581 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 59 Resp: 1373
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

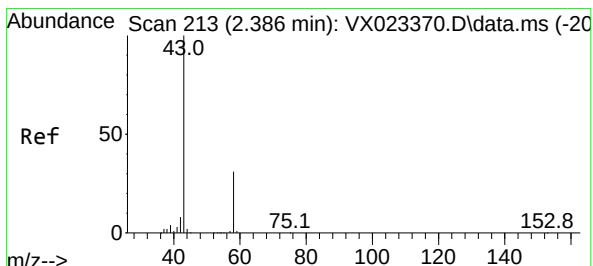
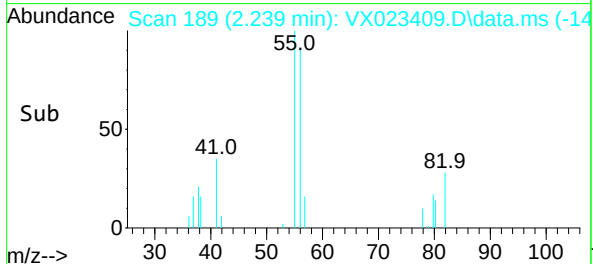
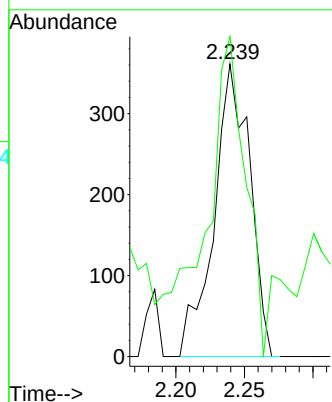
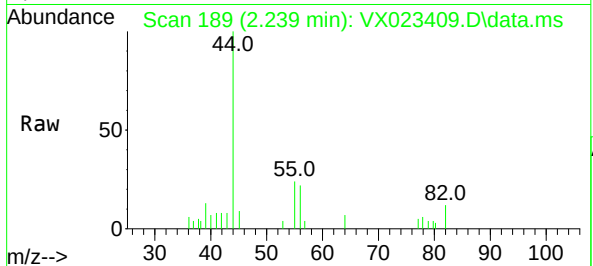




#13
Acrolein
Concen: 3.772 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

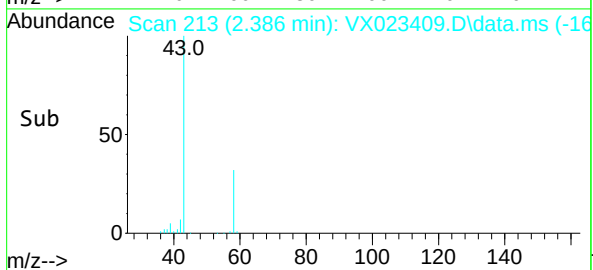
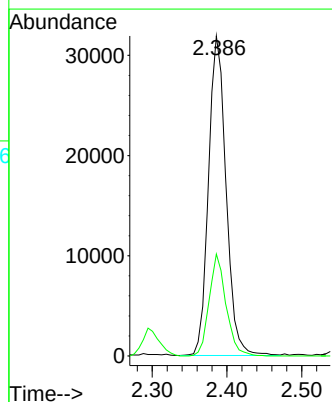
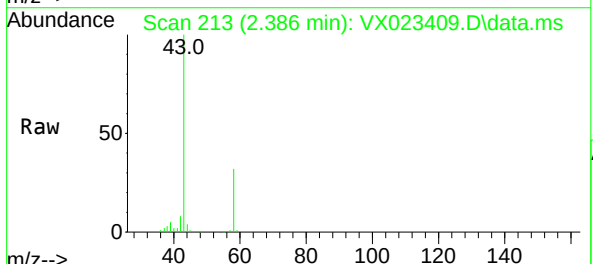
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

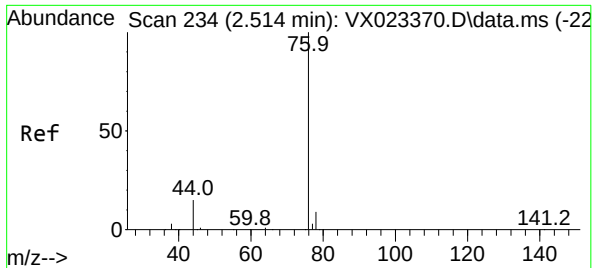
Tgt Ion: 56 Resp: 655
Ion Ratio Lower Upper
56 100
55 119.7 56.4 84.6#



#16
Acetone
Concen: 45.506 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 43 Resp: 51989
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8

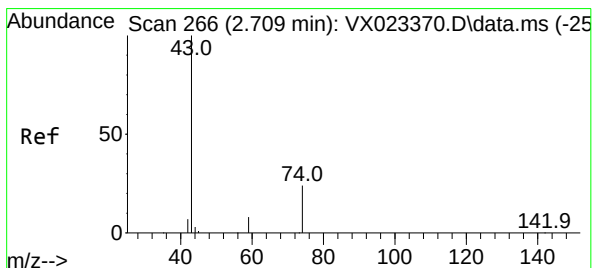
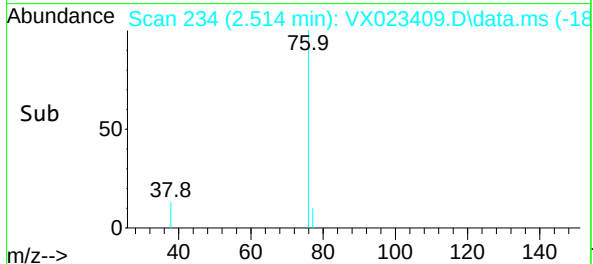
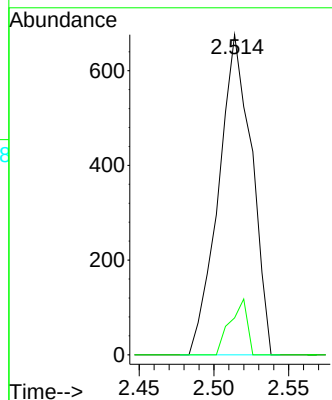
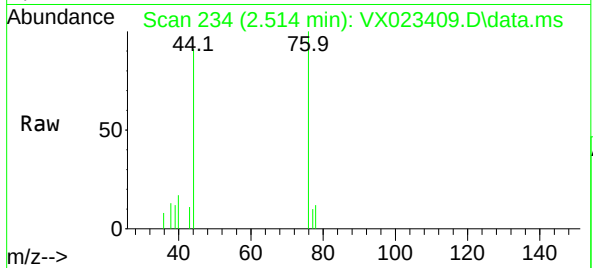




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

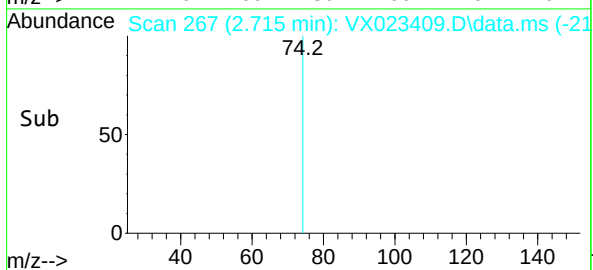
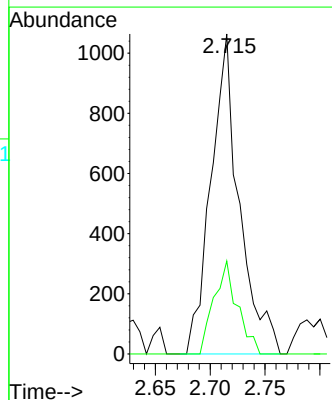
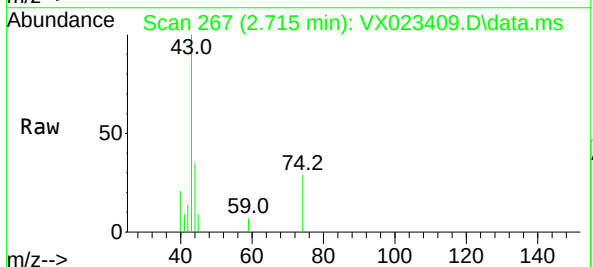
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

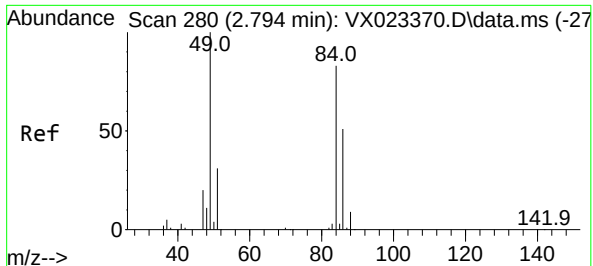
Tgt Ion: 76 Resp: 1043
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.704 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
74 24.0 21.9 32.9

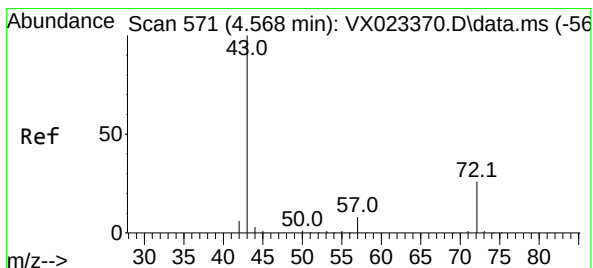
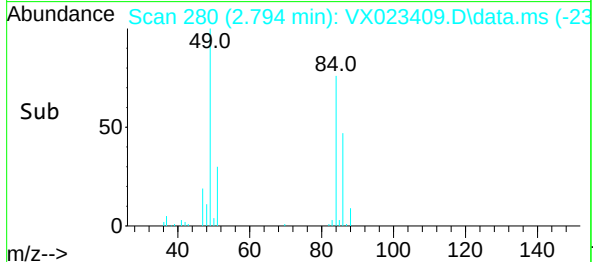
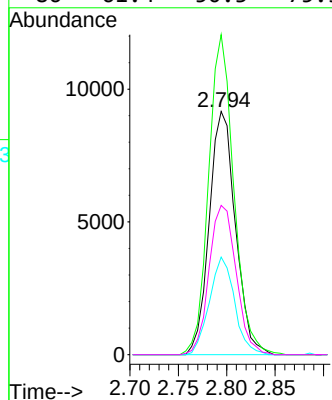
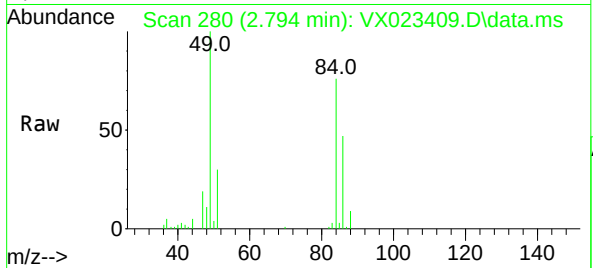




#20
Methylene Chloride
Concen: 7.766 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

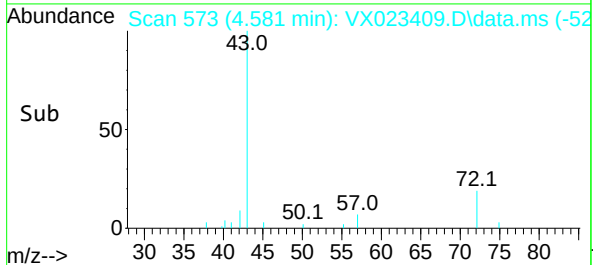
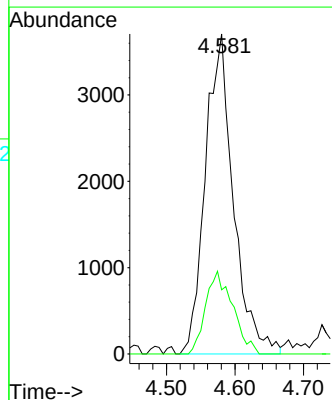
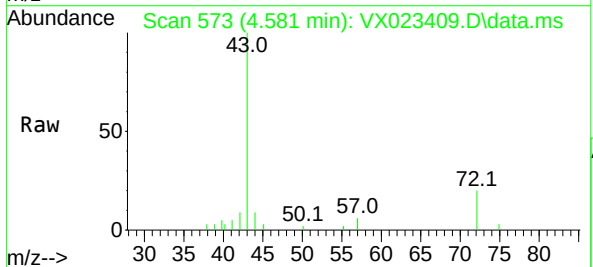
Instrument :
MSVOA_X
ClientSampleId :
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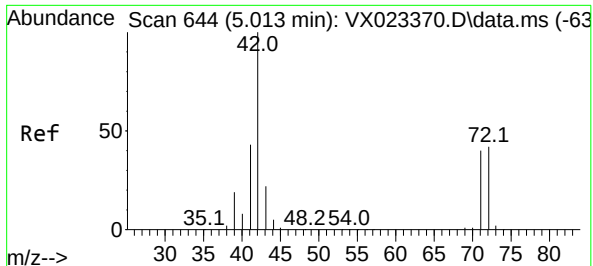
Tgt Ion:	84	Resp:	17258
Ion	Ratio	Lower	Upper
84	100		
49	131.6	88.6	132.8
51	40.1	27.0	40.6
86	61.4	50.3	75.5



#25
2-Butanone
Concen: 5.937 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion:	43	Resp:	10530
Ion	Ratio	Lower	Upper
43	100		
72	20.1	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.950 ug/l

RT: 5.026 min Scan# 646

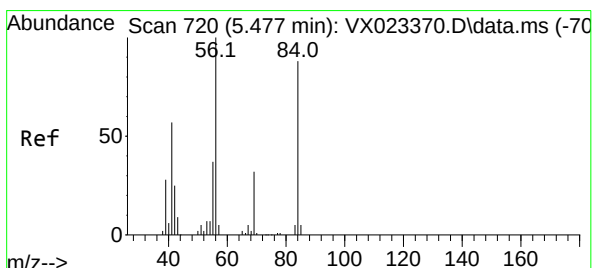
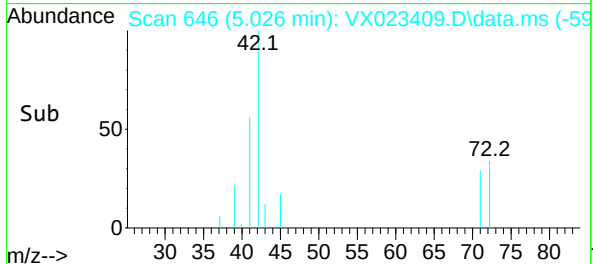
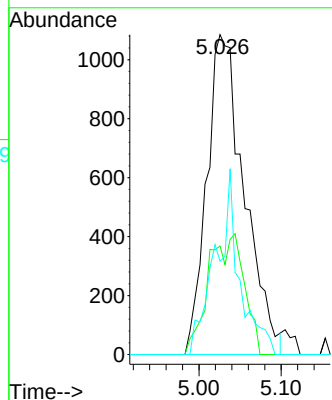
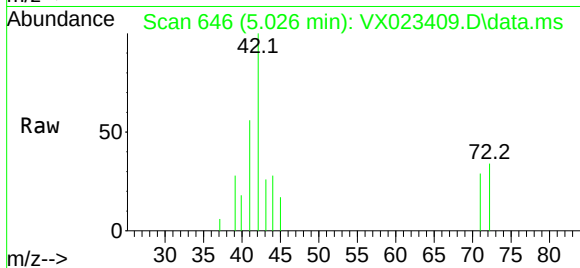
Delta R.T. 0.013 min

Lab File: VX023409.D

Acq: 23 Jul 2021 05:59

Tgt Ion:	42	Resp:	3430
Ion	Ratio	Lower	Upper
42	100		
72	19.0	41.7	62.5#
71	37.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
21194-21240



#31

Cyclohexane

Concen: 1.210 ug/l

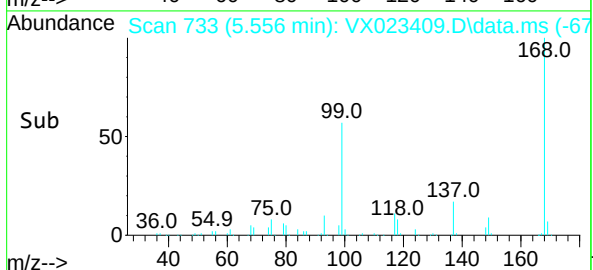
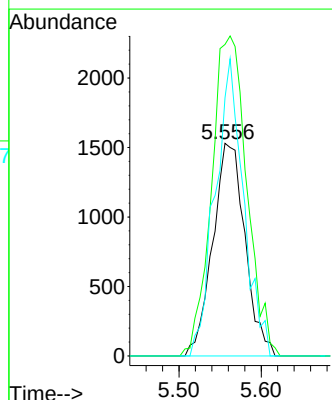
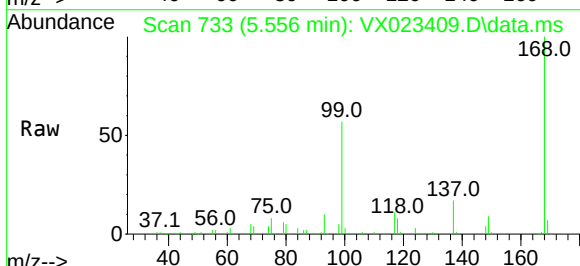
RT: 5.556 min Scan# 733

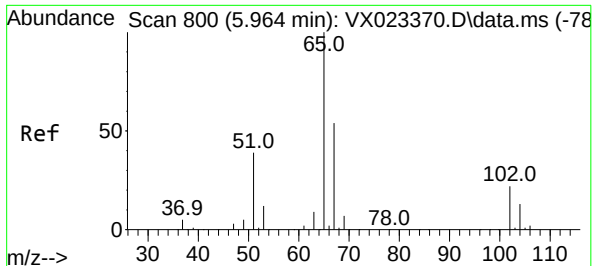
Delta R.T. 0.079 min

Lab File: VX023409.D

Acq: 23 Jul 2021 05:59

Tgt Ion:	56	Resp:	4176
Ion	Ratio	Lower	Upper
56	100		
69	146.5	25.3	37.9#
84	121.4	71.4	107.0#



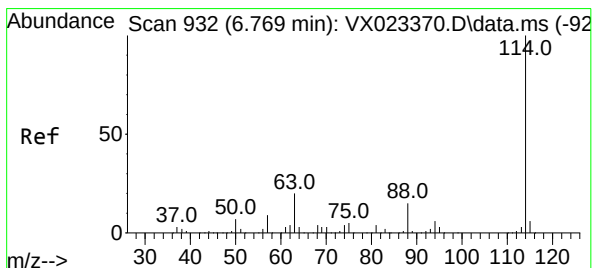
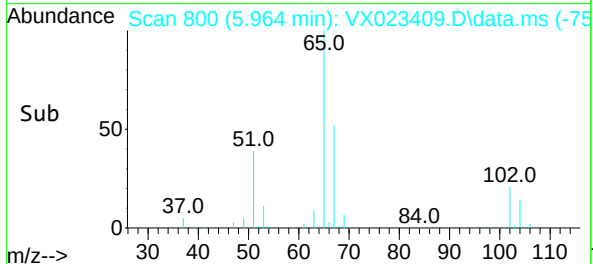
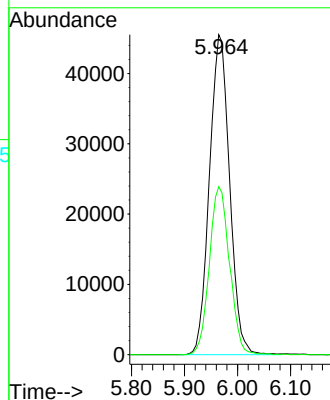
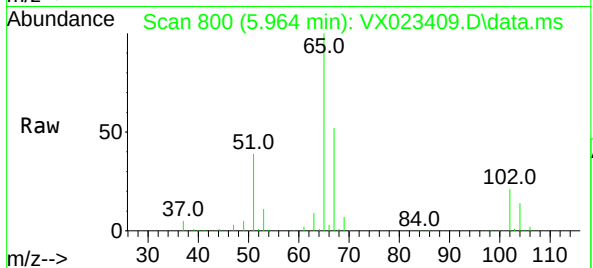


#33

1,2-Dichloroethane-d4
Concen: 51.654 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Instrument :
MSVOA_X
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21194-21240

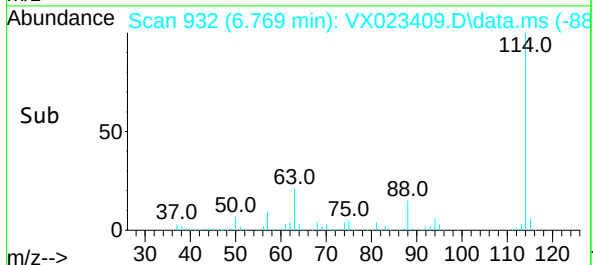
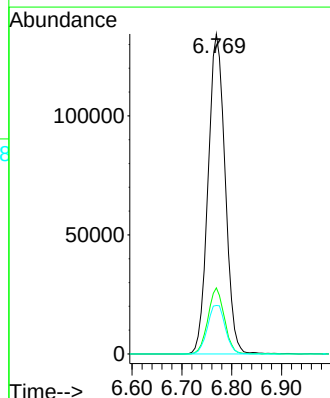
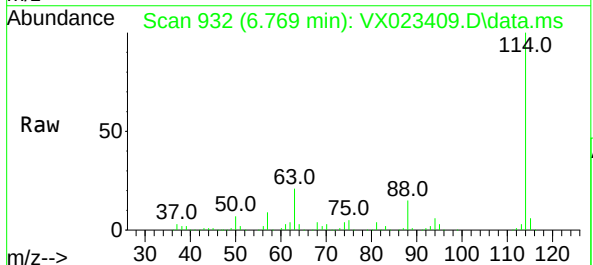
Tgt Ion: 65 Resp: 120303
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

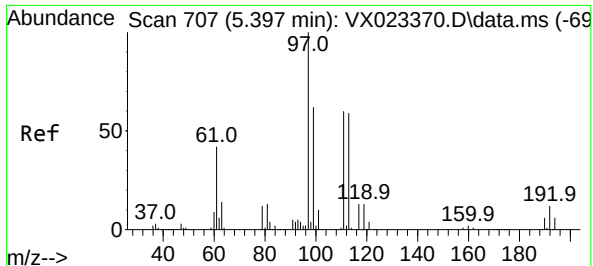


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 114 Resp: 318369
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.2 0.0 32.8

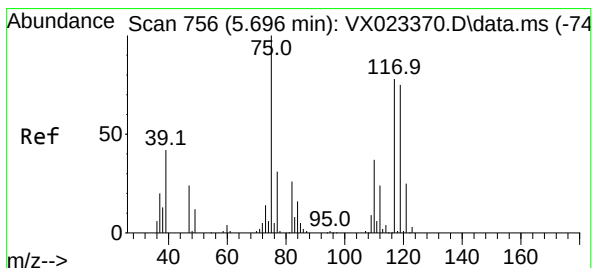
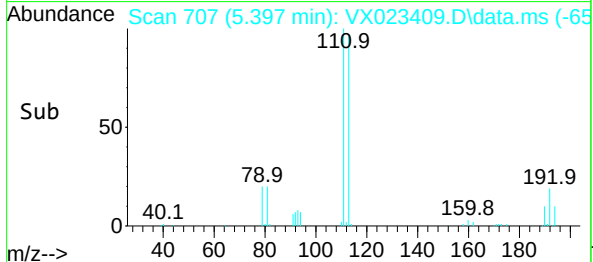
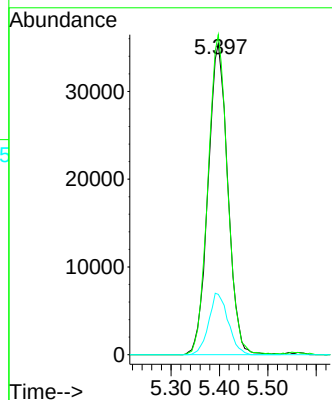
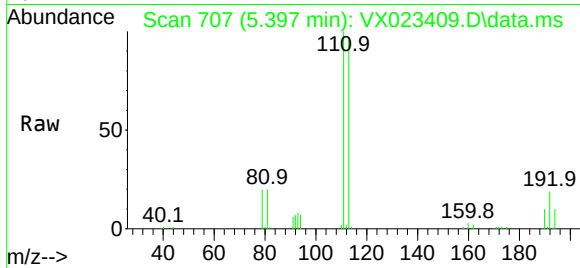




#35
Dibromofluoromethane
Concen: 50.540 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

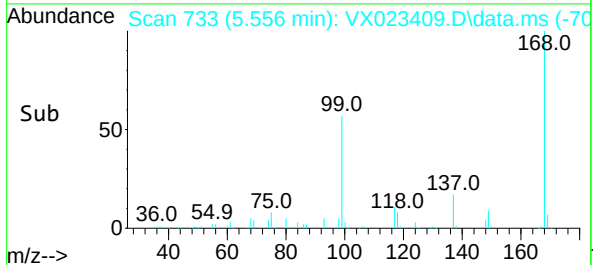
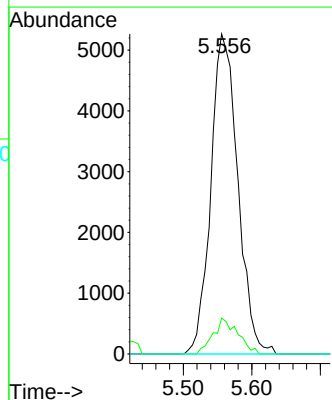
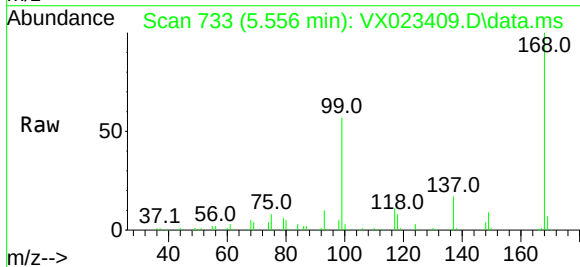
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

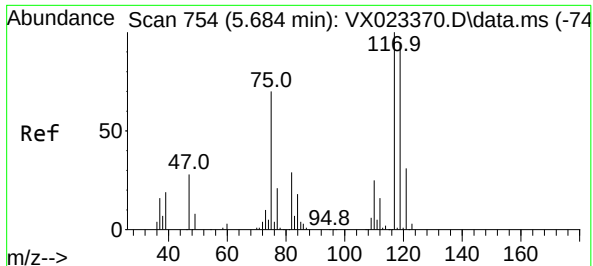
Tgt Ion:113 Resp: 100604
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 75 Resp: 14371
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#

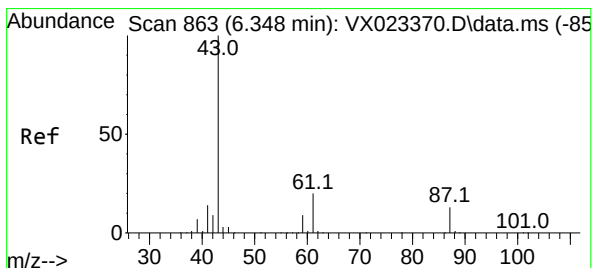
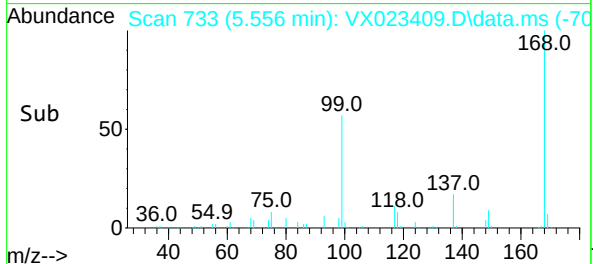
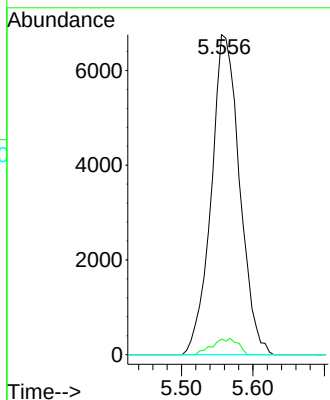
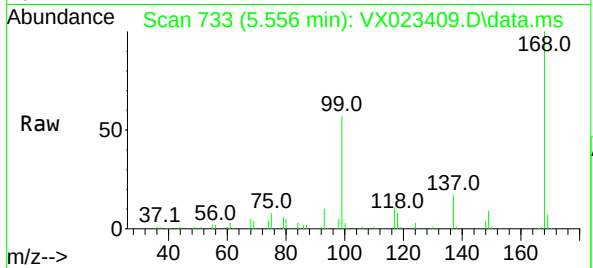




#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

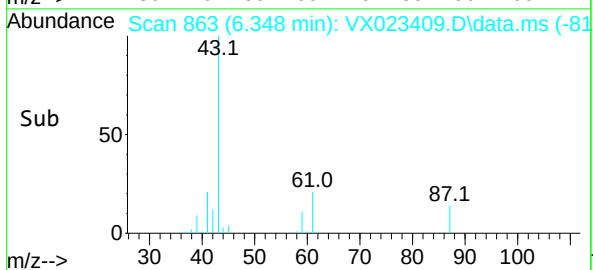
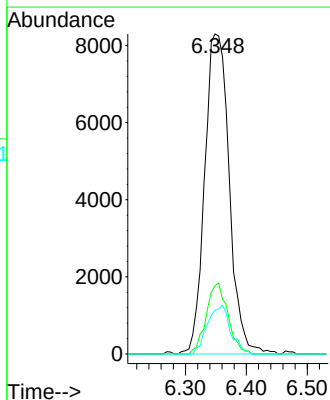
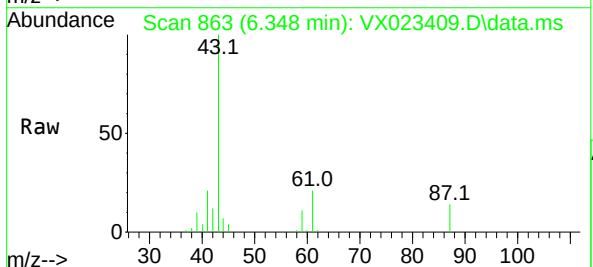
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

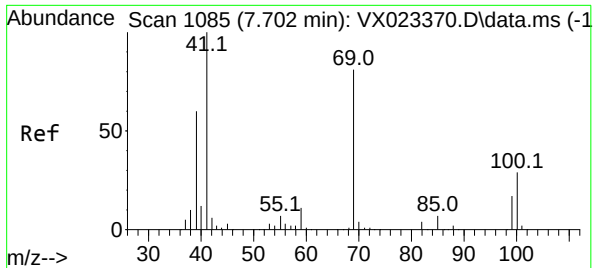
Tgt Ion:117 Resp: 18628
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.132 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 43 Resp: 23250
Ion Ratio Lower Upper
43 100
61 19.5 18.2 27.4
87 14.2 12.5 18.7

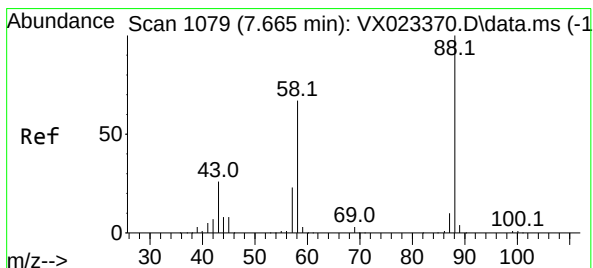
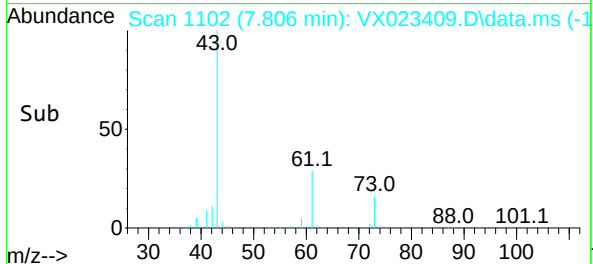
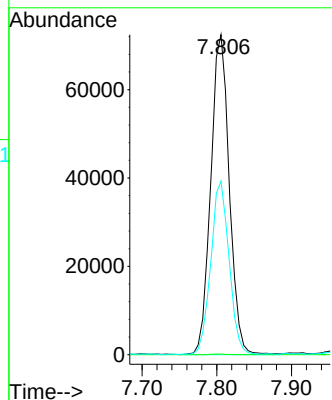
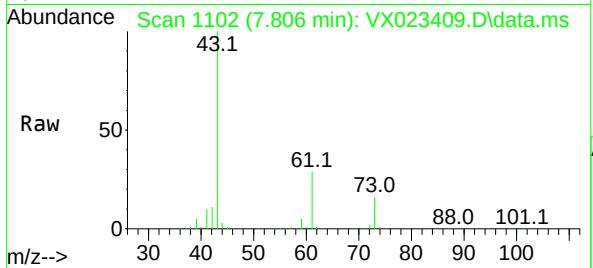




#48
Methyl methacrylate
Concen: 48.016 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

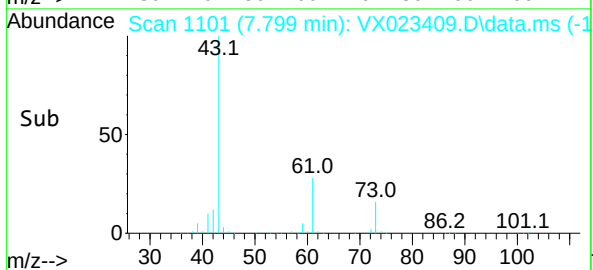
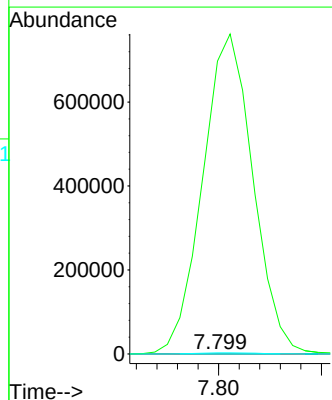
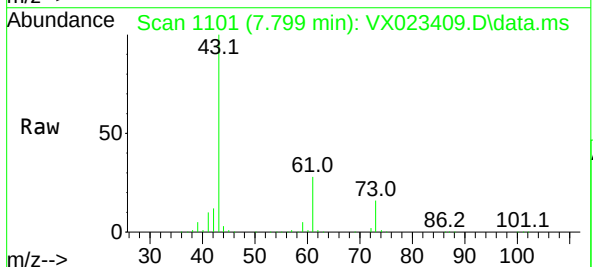
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

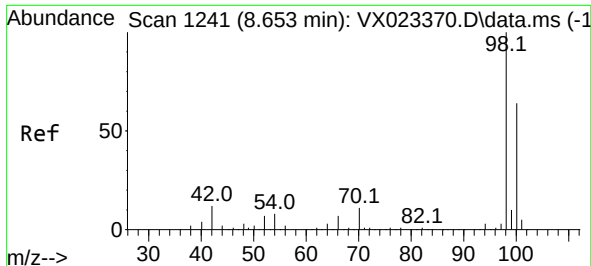
Tgt Ion: 41 Resp: 125126
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 53.8 44.6 67.0



#49
1,4-Dioxane
Concen: 3.857 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
43 608826.6 23.2 34.8#
58 2495.8 55.0 82.4#

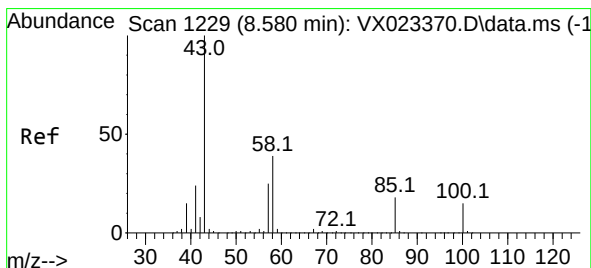
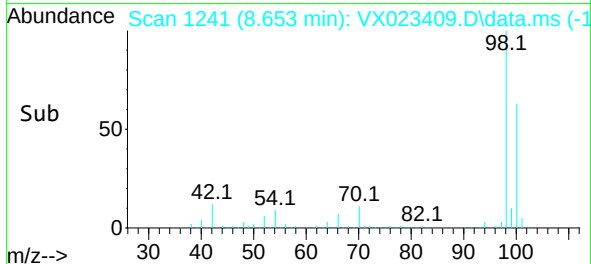
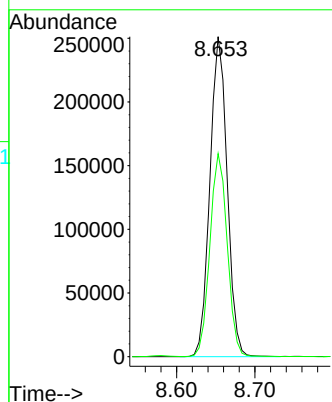
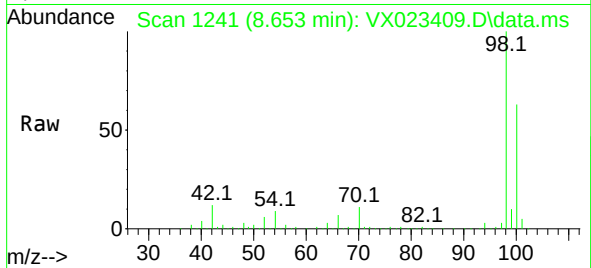




#50
Toluene-d8
Concen: 52.598 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

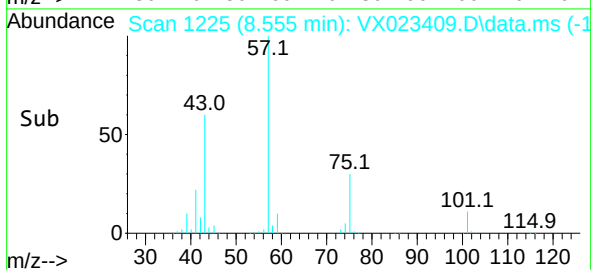
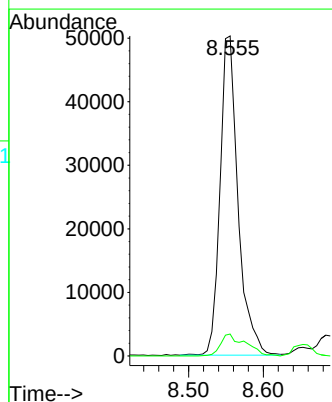
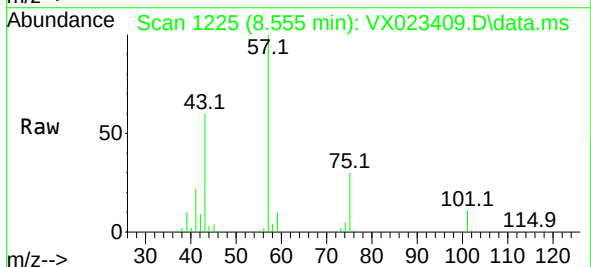
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

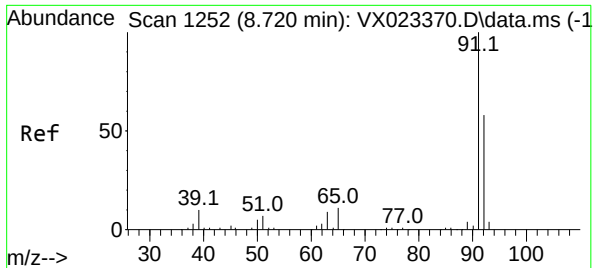
Tgt Ion: 98 Resp: 384670
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 24.477 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 43 Resp: 84241
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#

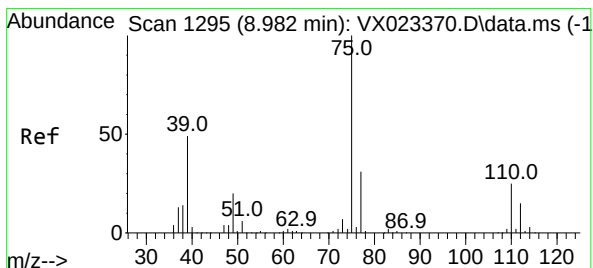
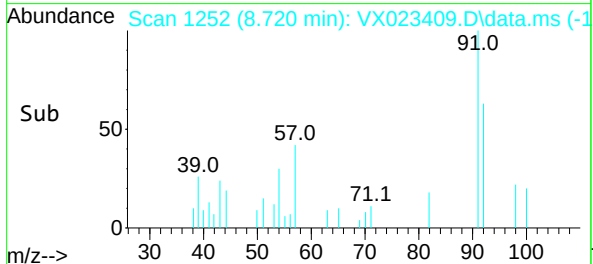
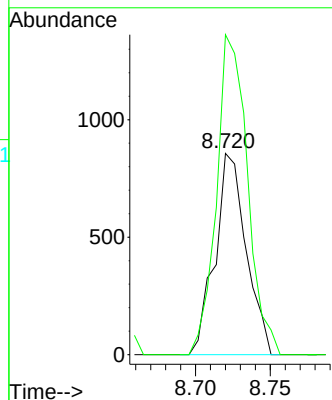
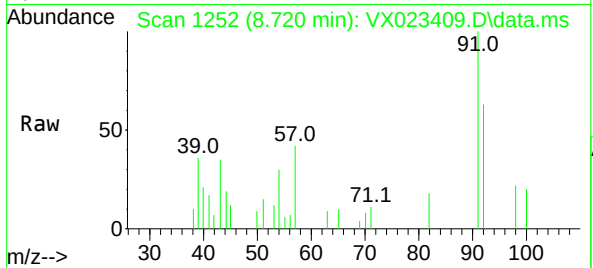




#52
Toluene
Concen: 0.235 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

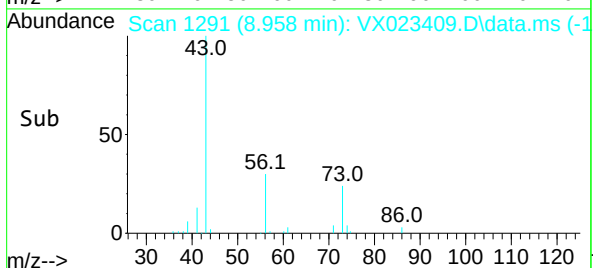
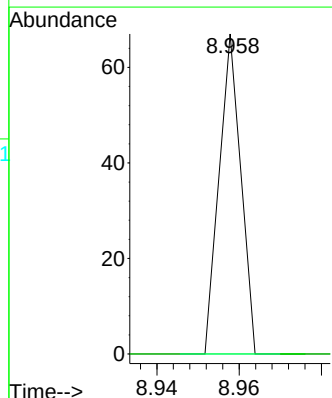
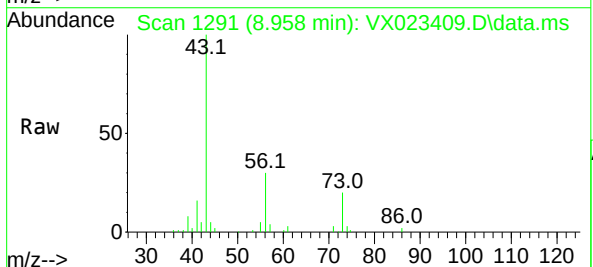
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

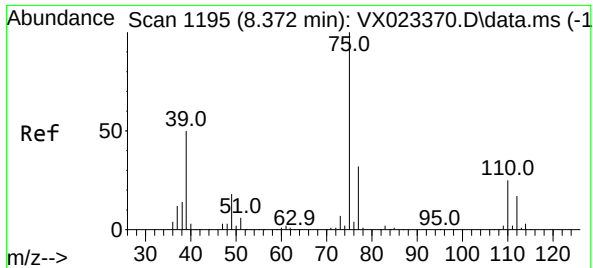
Tgt Ion: 92 Resp: 1242
Ion Ratio Lower Upper
92 100
91 158.0 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 1.824 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

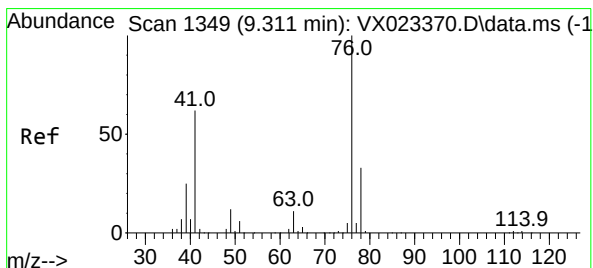
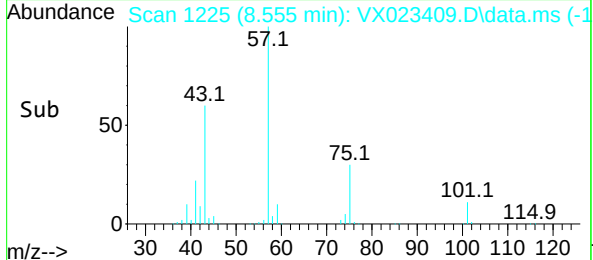
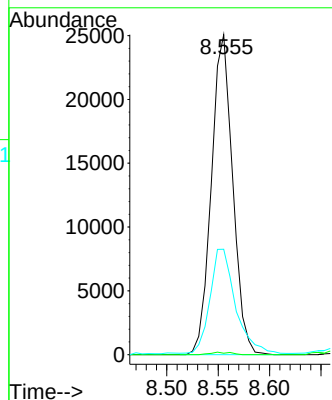
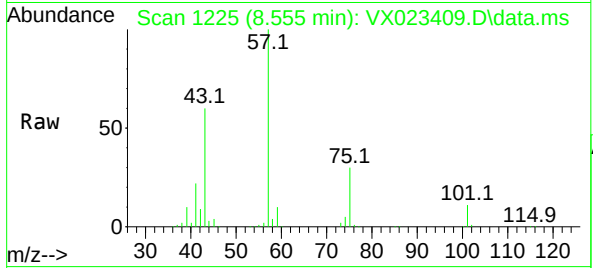




#54
 cis-1,3-Dichloropropene
 Concen: 10.513 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023409.D
 Acq: 23 Jul 2021 05:59

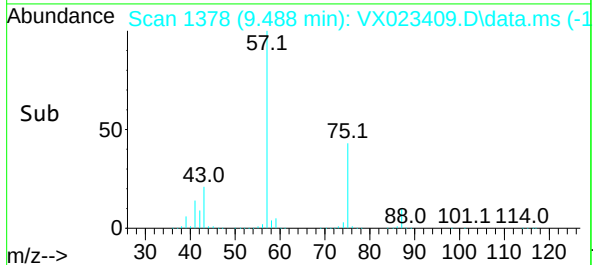
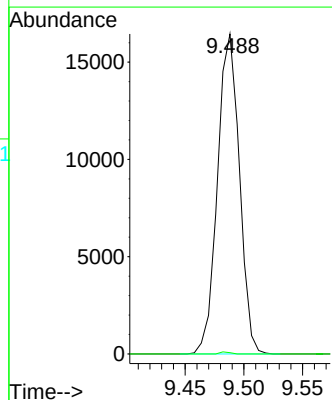
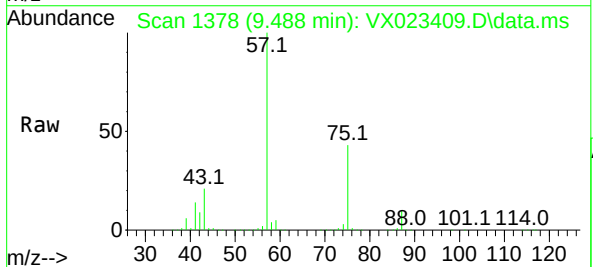
Instrument :
 MSVOA_X
 ClientSampled :
 21194-21240

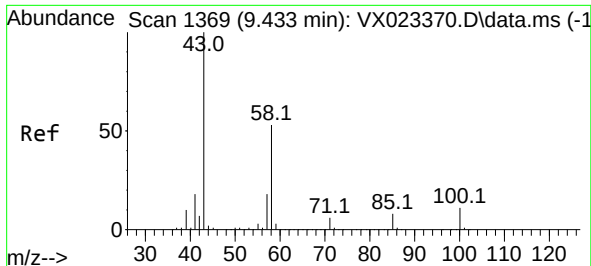
Tgt Ion: 75 Resp: 36189
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 32.5 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.874 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023409.D
 Acq: 23 Jul 2021 05:59

Tgt Ion: 76 Resp: 21381
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

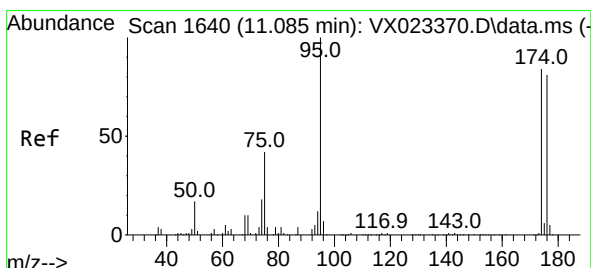
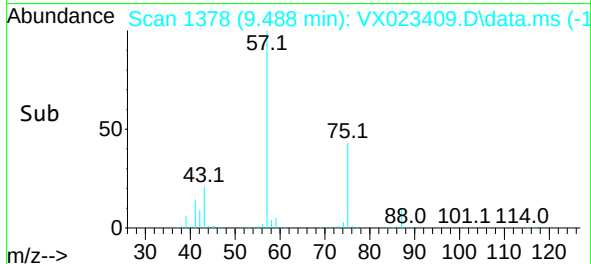
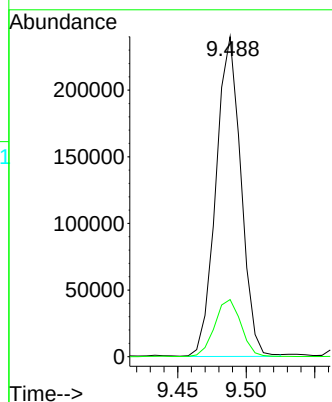
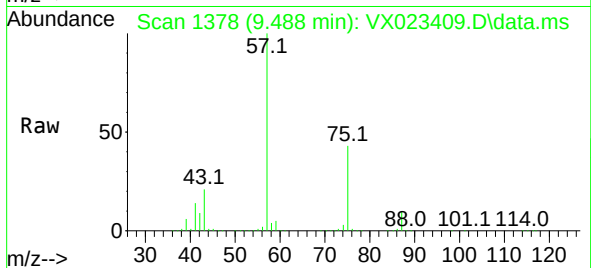




#59
2-Hexanone
Concen: 116.404 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

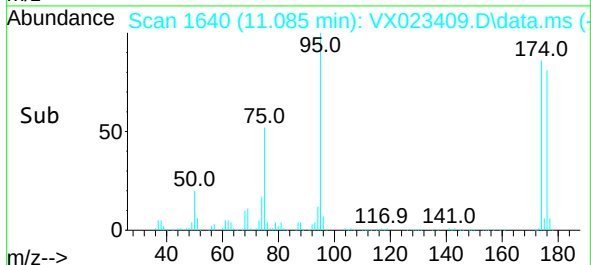
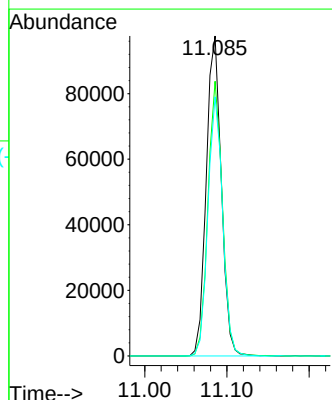
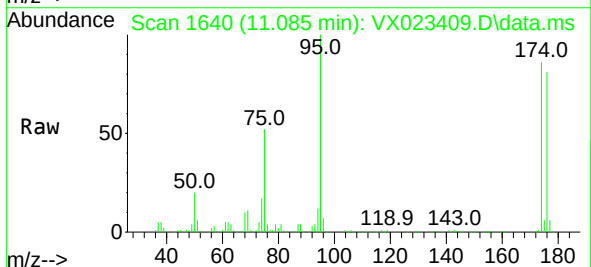
Instrument :
MSVOA_X
ClientSampled :
21194-21240

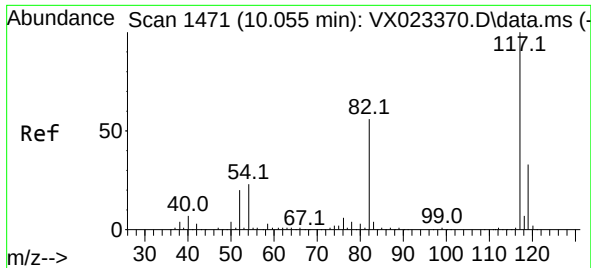
Tgt Ion: 43 Resp: 304219
Ion Ratio Lower Upper
43 100
58 18.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.866 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 95 Resp: 124011
Ion Ratio Lower Upper
95 100
174 82.8 0.0 154.6
176 79.0 0.0 155.8

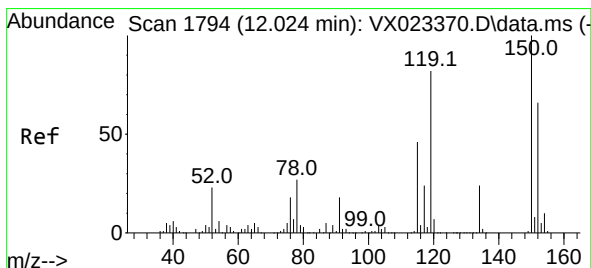
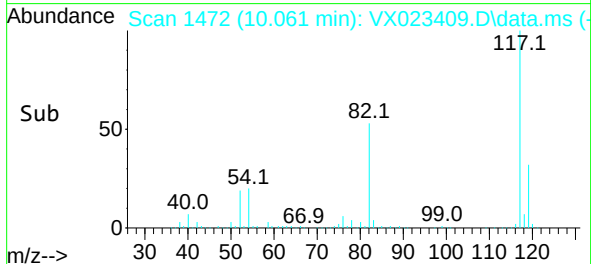
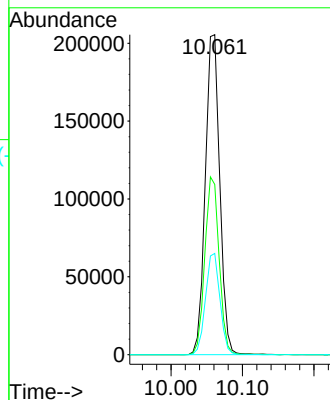
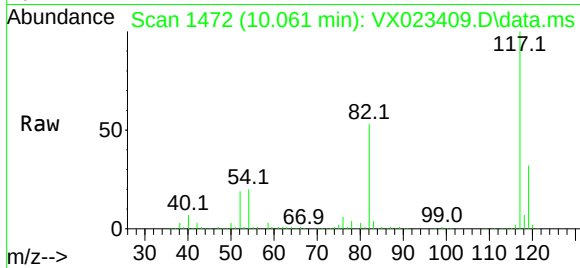




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

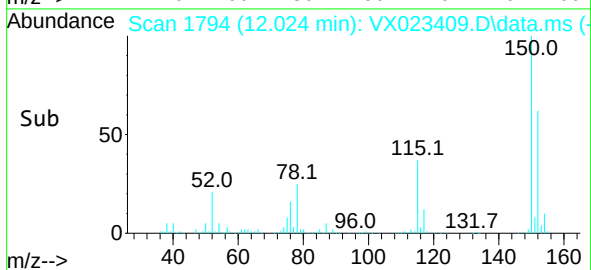
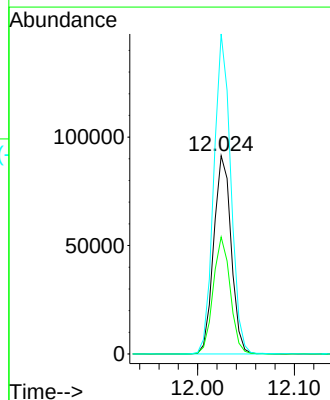
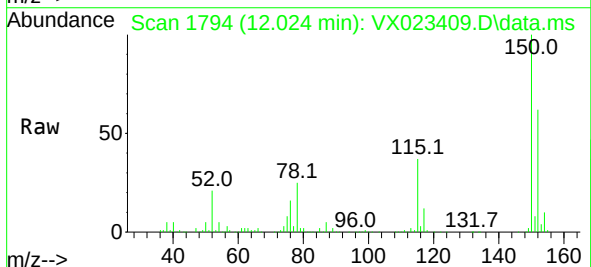
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

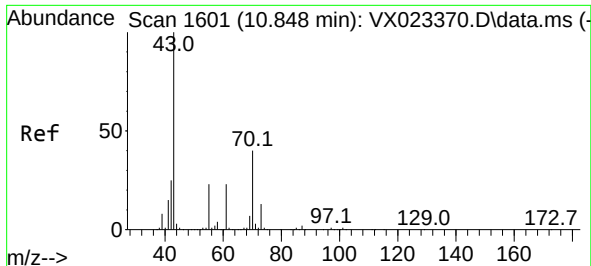
Tgt Ion:117 Resp: 288998
Ion Ratio Lower Upper
117 100
82 53.2 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion:152 Resp: 114185
Ion Ratio Lower Upper
152 100
115 57.7 41.1 123.3
150 157.0 0.0 349.0

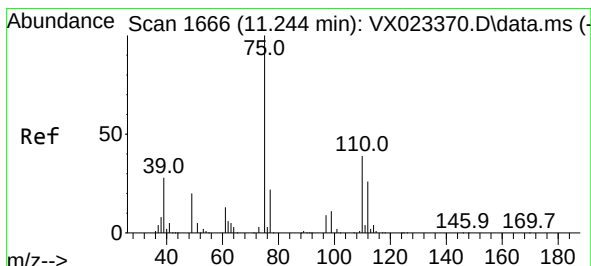
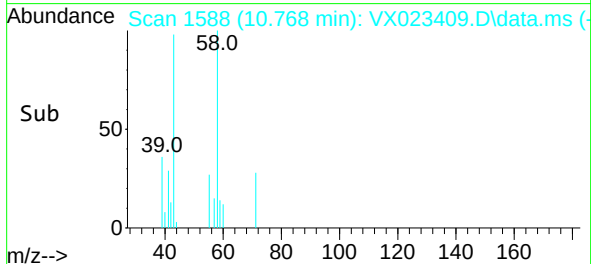
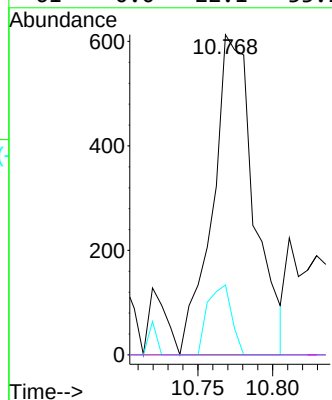
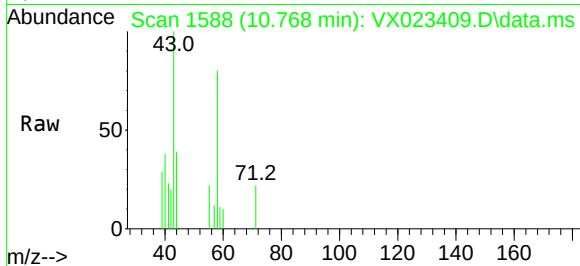




#74
N-amy1 acetate
Concen: 0.300 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

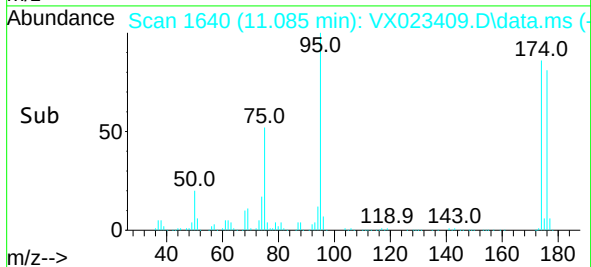
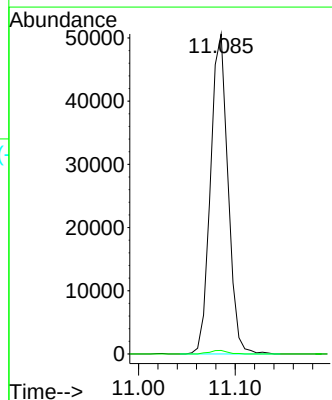
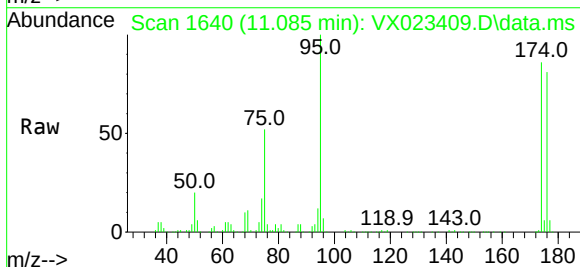
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

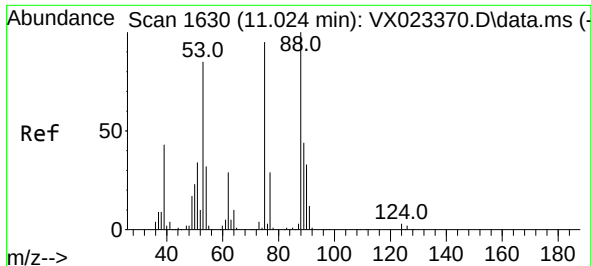
Tgt Ion: 43	Resp:	1180
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	12.5	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.331 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Tgt Ion: 75	Resp:	63651
Ion	Ratio	Lower Upper
75	100	
77	1.1	19.1 57.5#

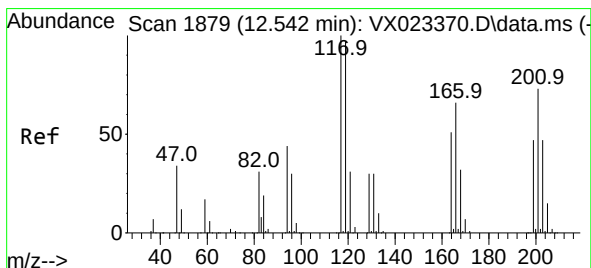
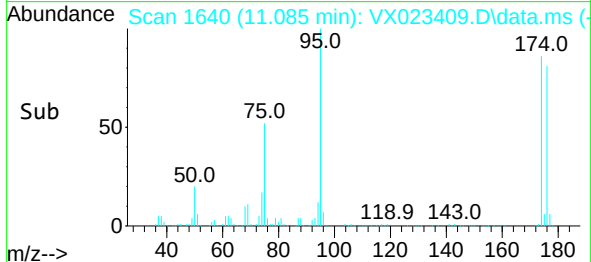
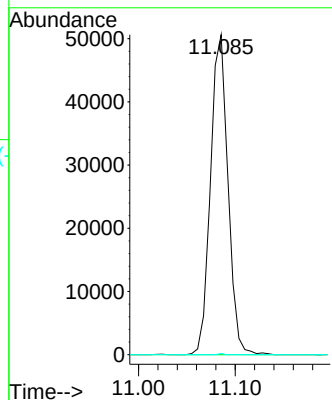
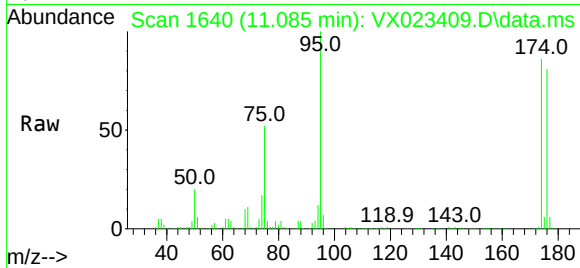




#81
trans-1,4-Dichloro-2-butene
Concen: 68.113 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

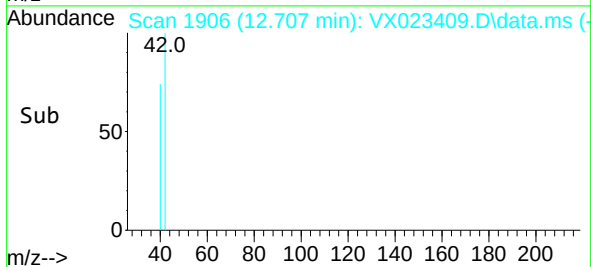
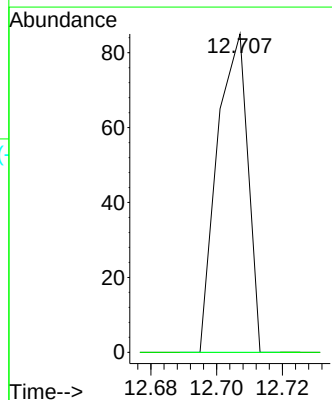
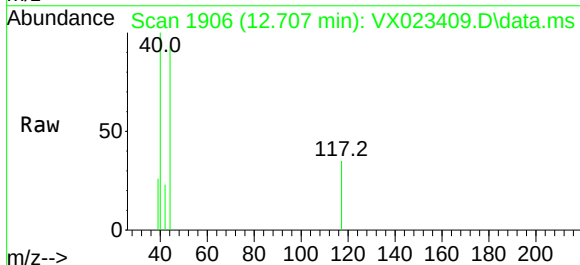
Instrument :
MSVOA_X
ClientSampleId :
21194-21240

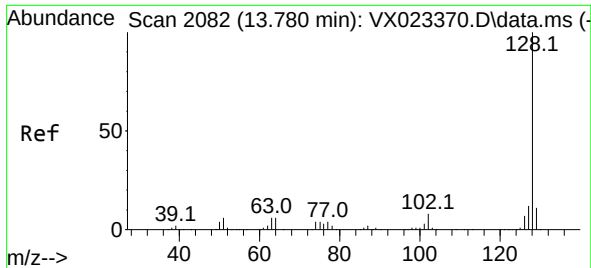
Tgt Ion: 75 Resp: 63651
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#90
Hexachloroethane
Concen: 1.940 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

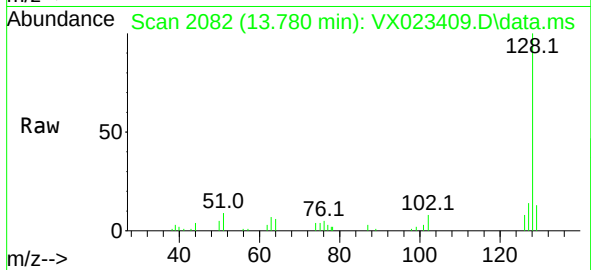
Tgt Ion: 117 Resp: 55
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.054 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023409.D
Acq: 23 Jul 2021 05:59

Instrument :
MSVOA_X
ClientSampleId :
21194-21240



Tgt Ion:	128	Resp:	8480
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	12.1	8.8	13.2

