

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
 Data File : VX023275.D
 Acq On : 14 Jul 2021 13:37
 Operator : JC/MD
 Sample : PB137668TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:26:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

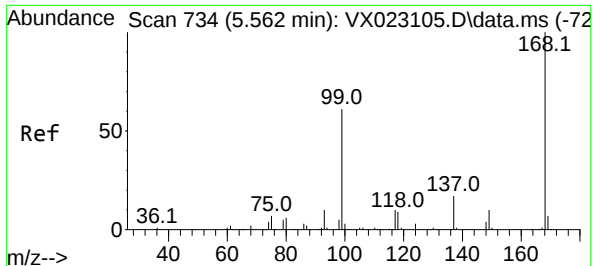
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	220872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	361865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150171	50.588	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.180%
35) Dibromofluoromethane	5.397	113	116060	49.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.340%
50) Toluene-d8	8.653	98	432132	49.575	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.160%
62) 4-Bromofluorobenzene	11.085	95	157660	46.851	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	386	Below Cal	#	62
10) Methyl Iodide	2.459	142	530	0.202	ug/l #	80
11) Tert butyl alcohol	2.953	59	7146	11.443	ug/l #	77
13) Acrolein	2.239	56	103	0.248	ug/l #	1
16) Acetone	2.392	43	31694	26.987	ug/l	91
18) Methyl Acetate	2.721	43	1606	0.563	ug/l #	85
20) Methylene Chloride	2.794	84	14072	5.565	ug/l	95
25) 2-Butanone	4.580	43	5854	3.306	ug/l	97
29) Tetrahydrofuran	5.038	42	2253	1.979	ug/l #	81
31) Cyclohexane	5.562	56	4484	1.262	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17344	5.376	ug/l #	49
38) Carbon Tetrachloride	5.568	117	22936	6.811	ug/l #	16
43) Isopropyl Acetate	6.348	43	31468	5.376	ug/l	94
48) Methyl methacrylate	7.805	41	160477	55.872	ug/l #	37
49) 1,4-Dioxane	7.799	88	241	3.728	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	117534	32.404	ug/l #	46
53) t-1,3-Dichloropropene	8.988	75	30	2.744	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	53937	14.468	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	30754	7.310	ug/l #	43
59) 2-Hexanone	9.384	43	12778	4.591	ug/l #	19
60) Dibromochloromethane	9.275	129	48	3.128	ug/l #	11
74) N-amyl acetate	10.774	43	965	0.227	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	79681	27.794	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2834	0.328	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	79681	74.978	ug/l #	12
95) Naphthalene	13.780	128	694	1.339	ug/l #	69

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

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Response via : Initial Calibration

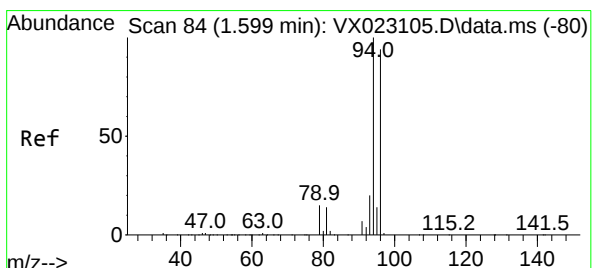
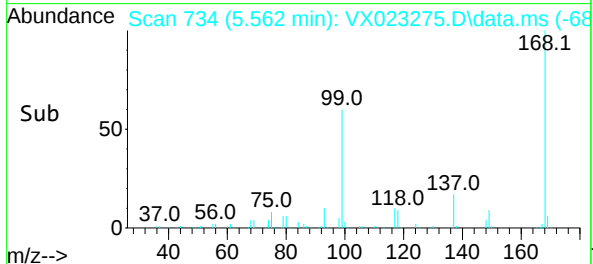
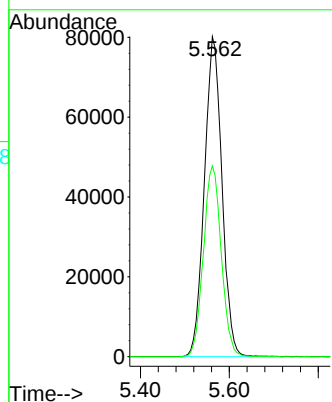
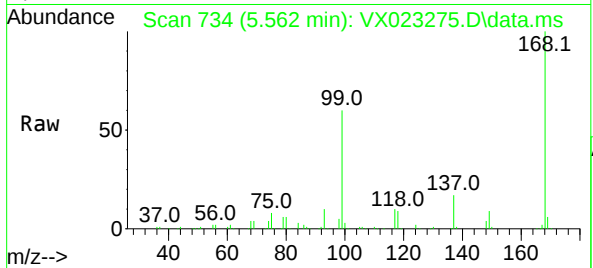




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

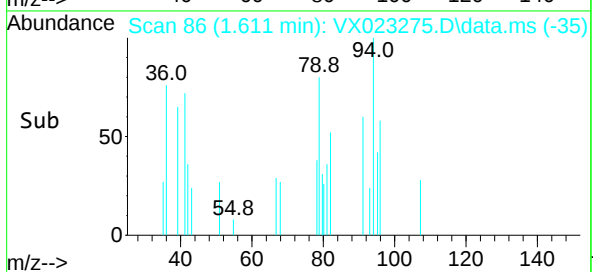
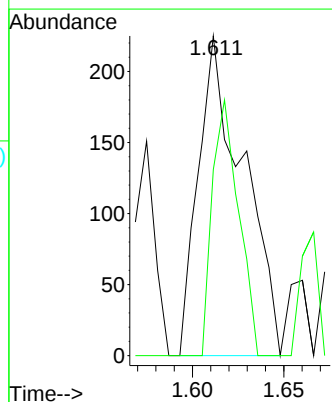
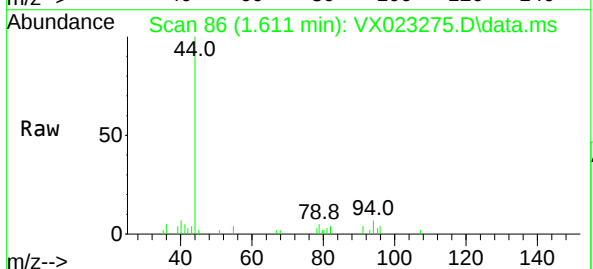
Instrument :
MSVOA_X
ClientSampleId :

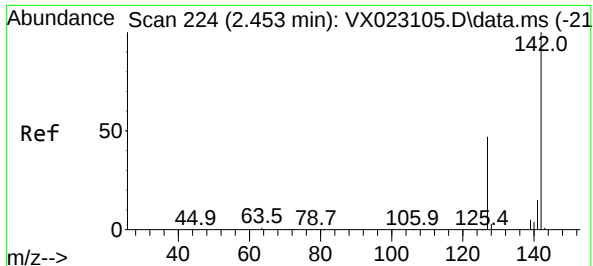
Tgt Ion:168 Resp: 220872
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

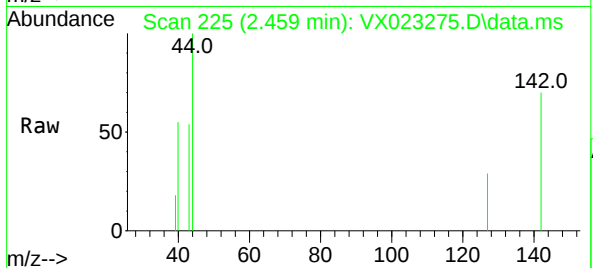
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 58.2 76.4 114.6#



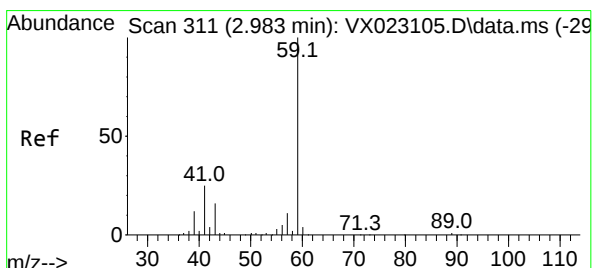
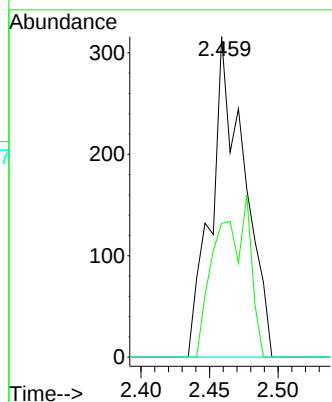
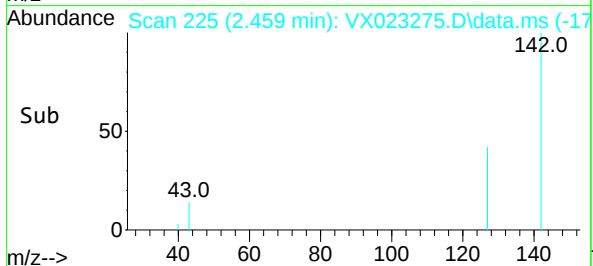


#10
Methyl Iodide
Concen: 0.202 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

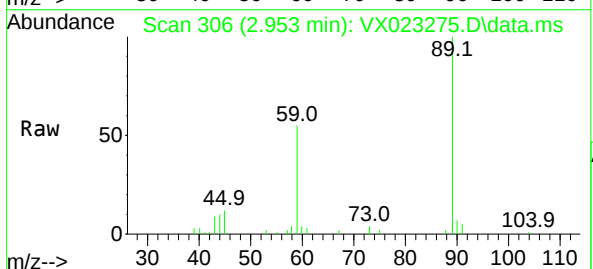
Instrument :
MSVOA_X
ClientSampled :



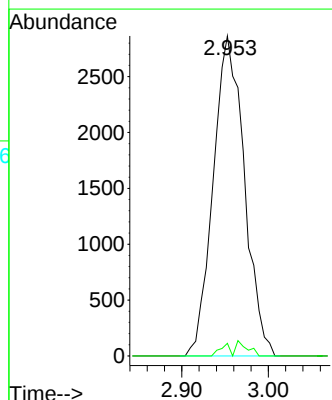
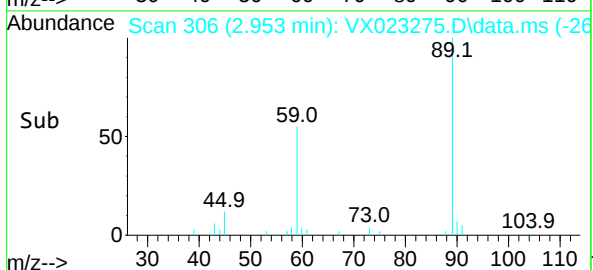
Tgt Ion:142 Resp: 530
Ion Ratio Lower Upper
142 100
127 50.8 33.3 49.9#
141 0.0 11.4 17.0#

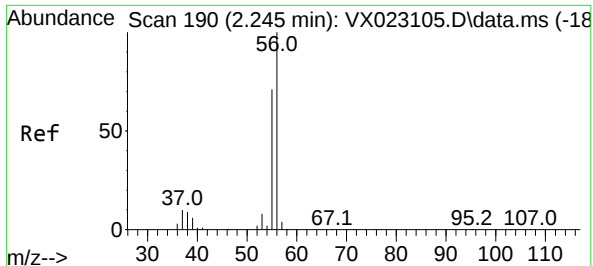


#11
Tert butyl alcohol
Concen: 11.443 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37



Tgt Ion: 59 Resp: 7146
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#

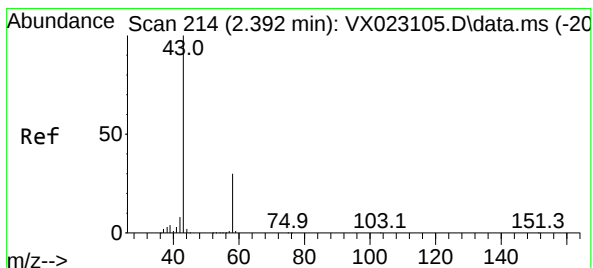
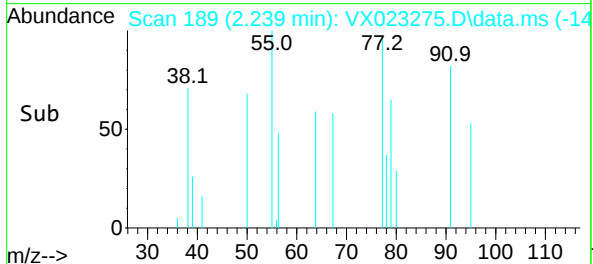
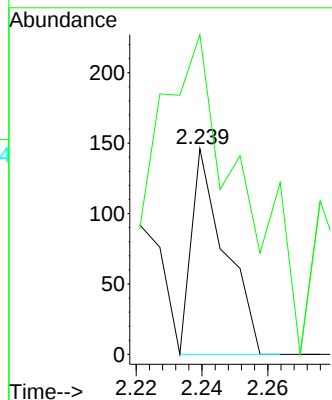
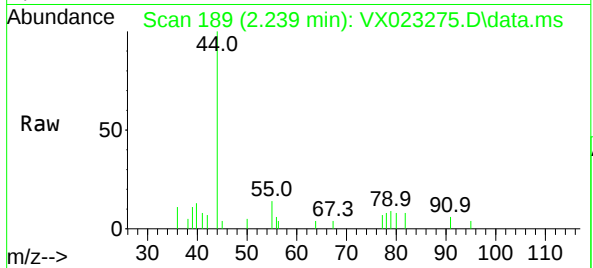




#13
Acrolein
Concen: 0.248 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

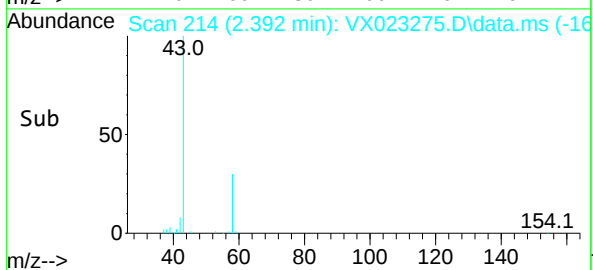
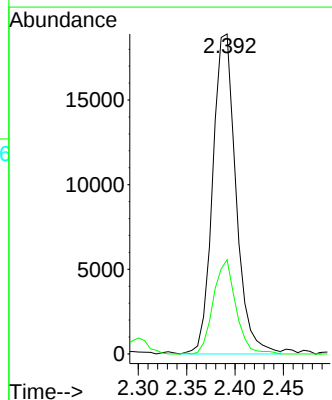
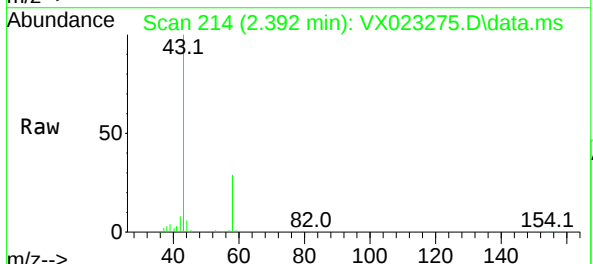
Instrument :
MSVOA_X
ClientSampled :

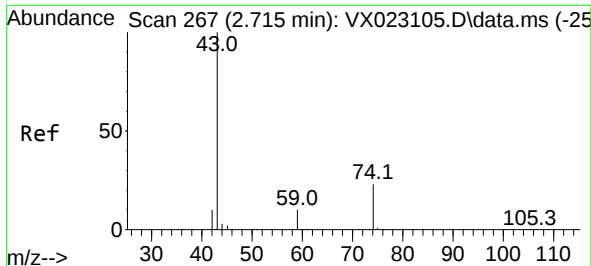
Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 439.8 56.4 84.6#



#16
Acetone
Concen: 26.987 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 43 Resp: 31694
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

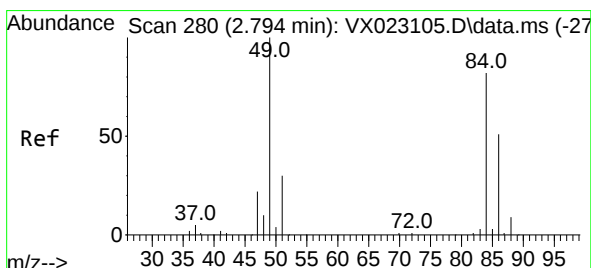
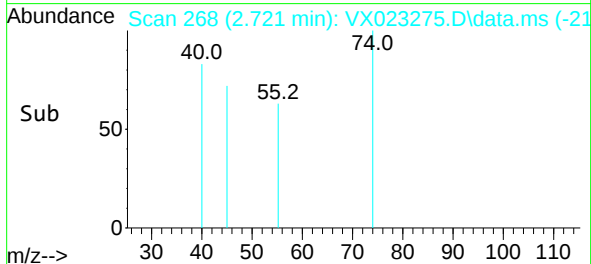
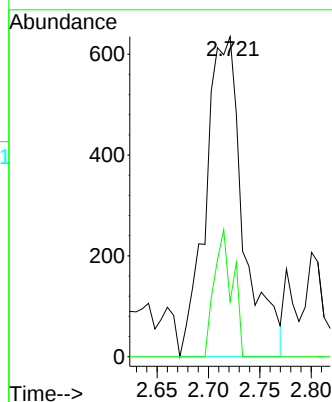
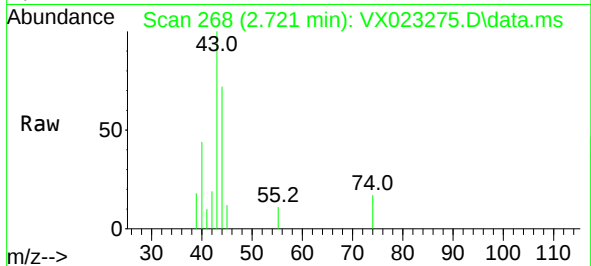




#18
Methyl Acetate
Concen: 0.563 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

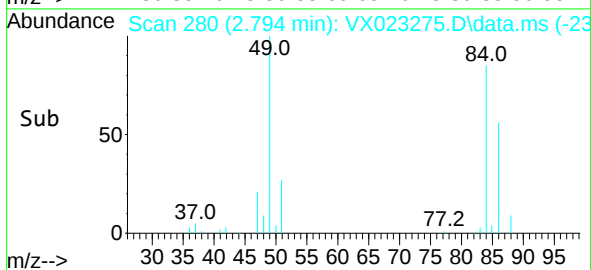
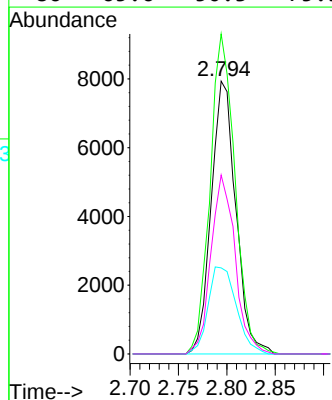
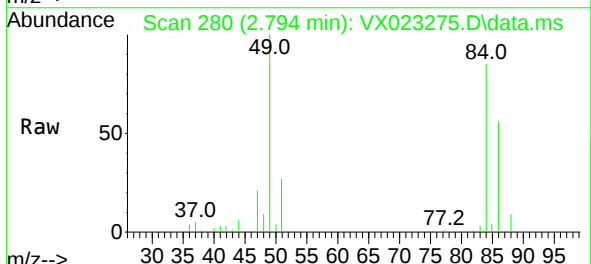
Instrument :
MSVOA_X
ClientSampled :

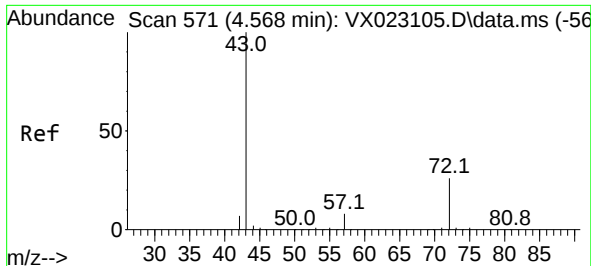
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 19.5 21.9 32.9#



#20
Methylene Chloride
Concen: 5.565 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 84 Resp: 14072
Ion Ratio Lower Upper
84 100
49 117.3 88.6 132.8
51 31.5 27.0 40.6
86 65.6 50.3 75.5

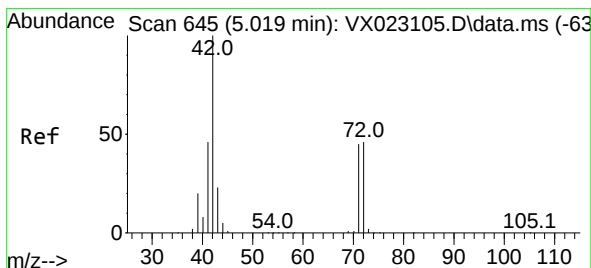
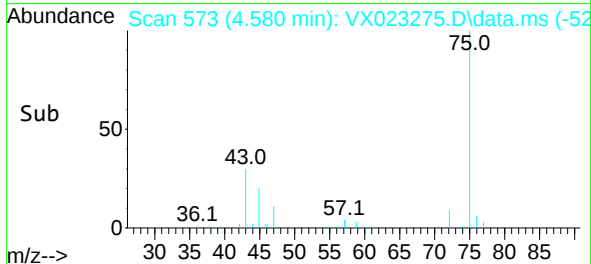
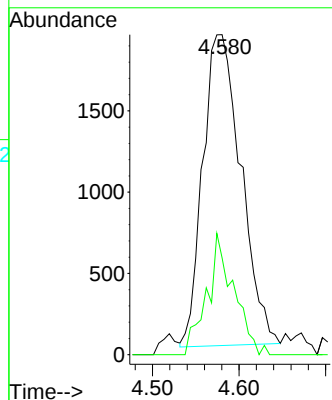
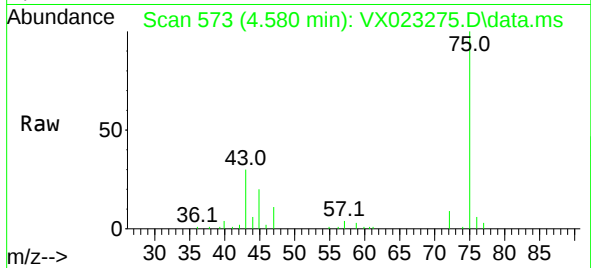




#25
2-Butanone
Concen: 3.306 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

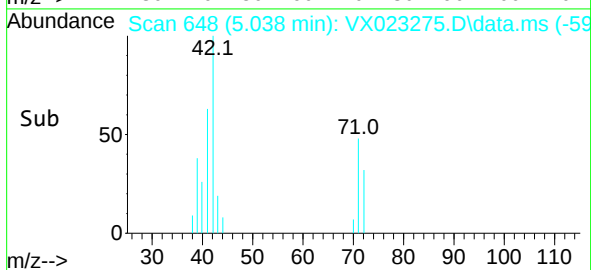
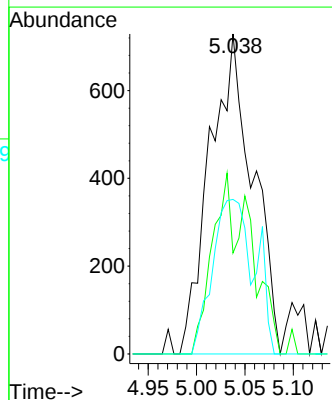
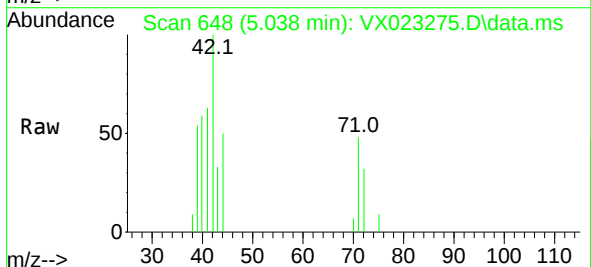
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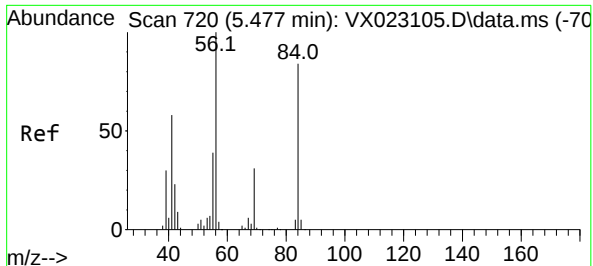
Tgt Ion: 43 Resp: 5854
Ion Ratio Lower Upper
43 100
72 31.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.979 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

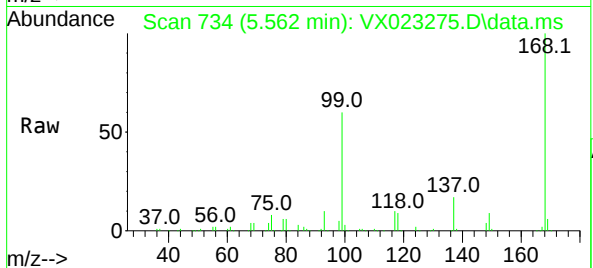
Tgt Ion: 42 Resp: 2253
Ion Ratio Lower Upper
42 100
72 26.6 41.7 62.5#
71 47.1 38.4 57.6



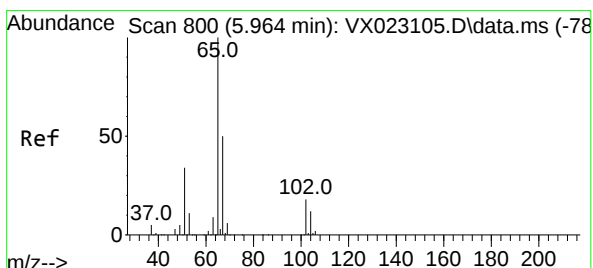
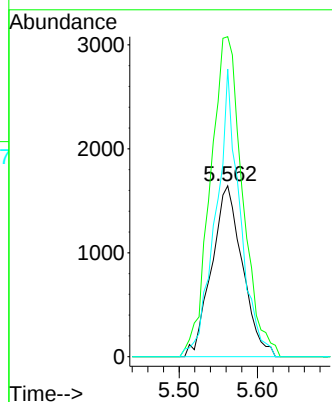
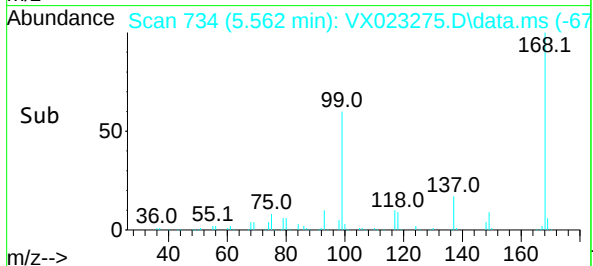


#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

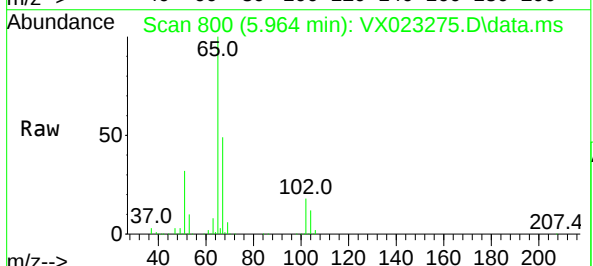
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ClientSampleId :



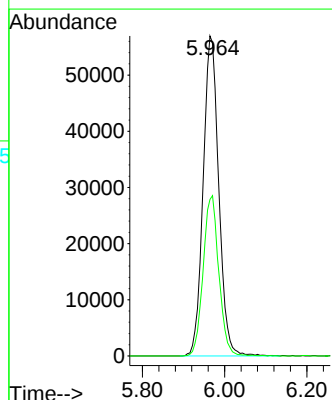
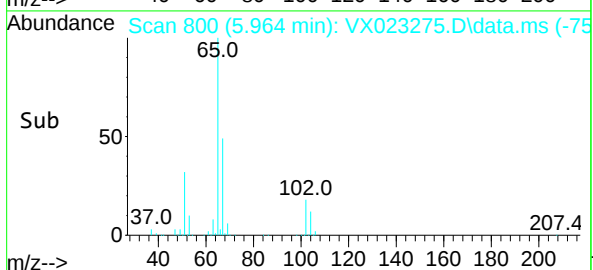
Tgt Ion: 56 Resp: 4484
Ion Ratio Lower Upper
56 100
69 187.2 25.3 37.9#
84 168.3 71.4 107.0#

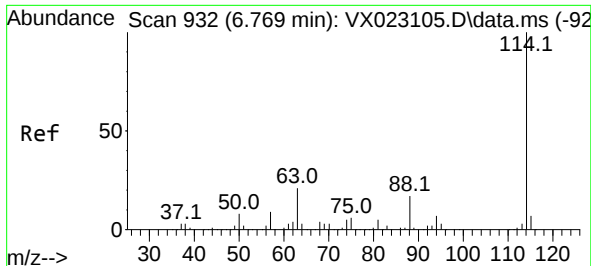


#33
1,2-Dichloroethane-d4
Concen: 50.588 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37



Tgt Ion: 65 Resp: 150171
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

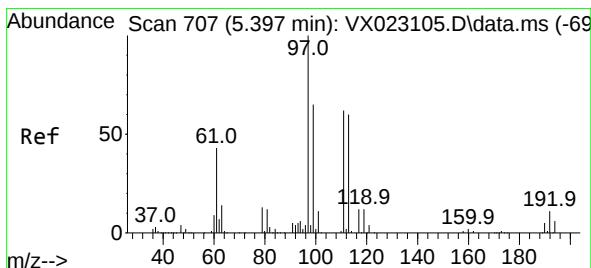
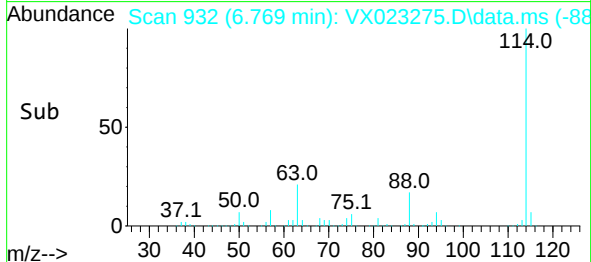
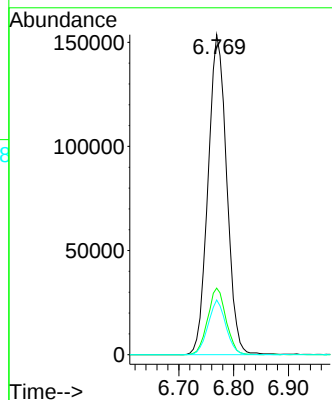
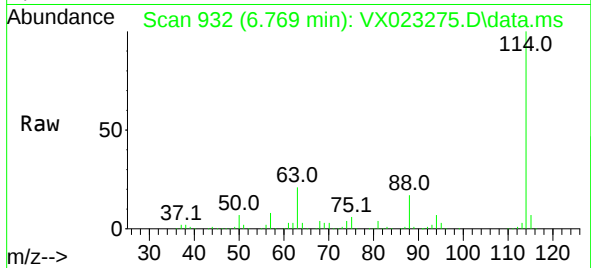




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

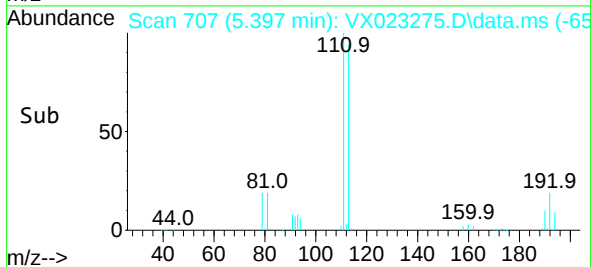
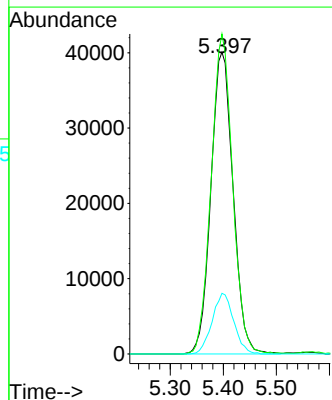
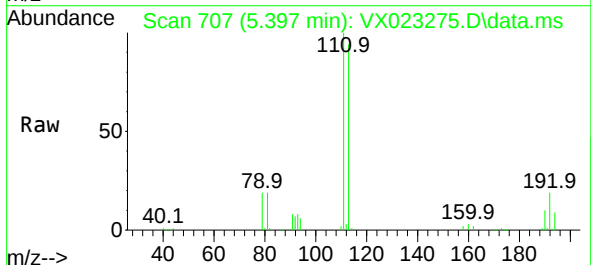
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MSVOA_X
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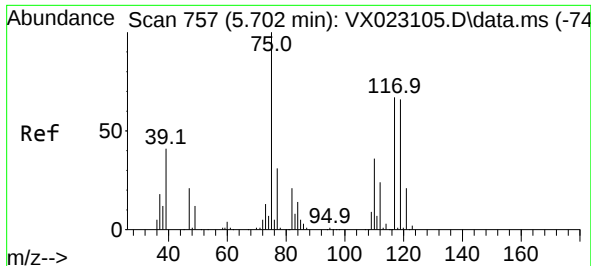
Tgt Ion:114 Resp: 361865
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.667 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion:113 Resp: 116060
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023275.D

Acq: 14 Jul 2021 13:37

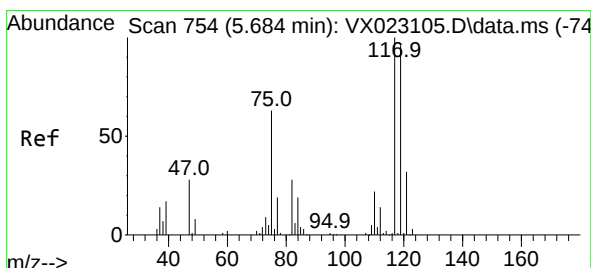
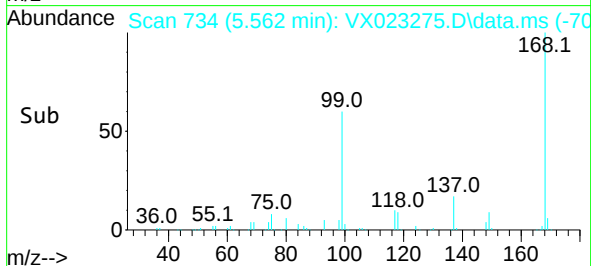
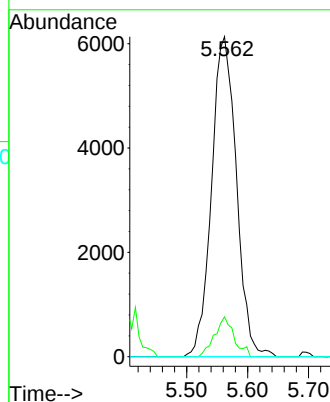
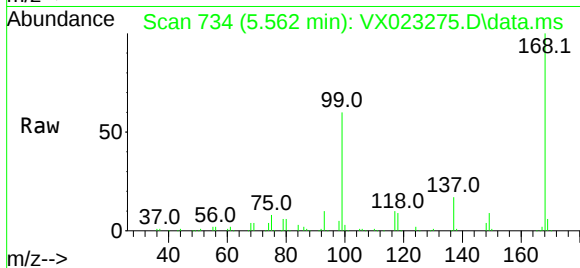
Tgt Ion: 75 Resp: 17344

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.811 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.116 min

Lab File: VX023275.D

Acq: 14 Jul 2021 13:37

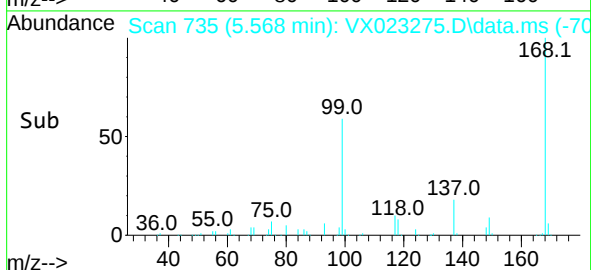
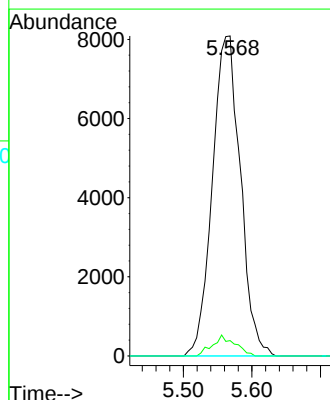
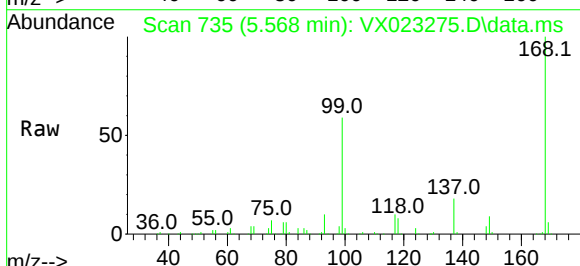
Tgt Ion: 117 Resp: 22936

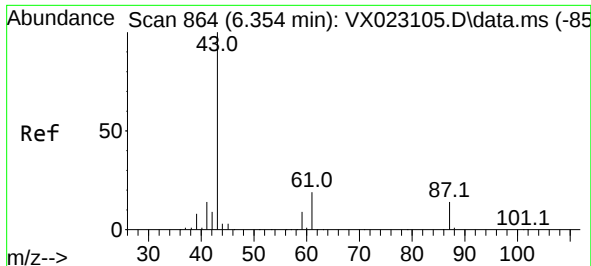
Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

121 0.0 24.8 37.2#

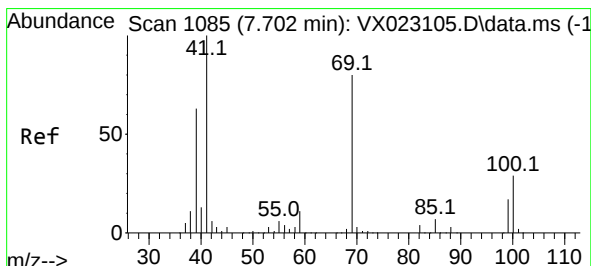
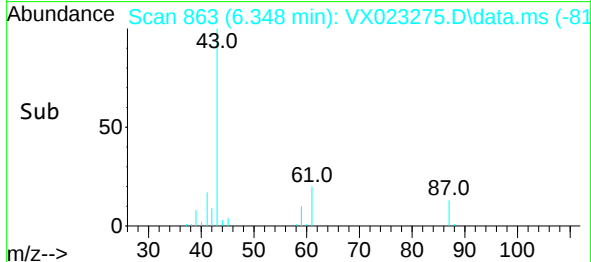
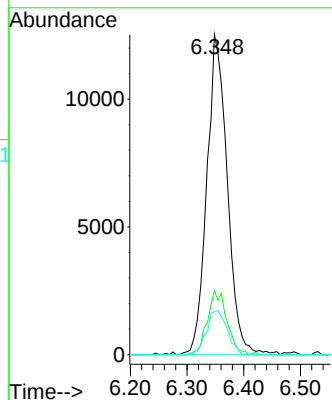
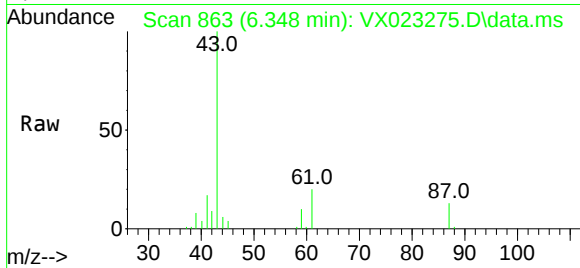




#43
Isopropyl Acetate
Concen: 5.376 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

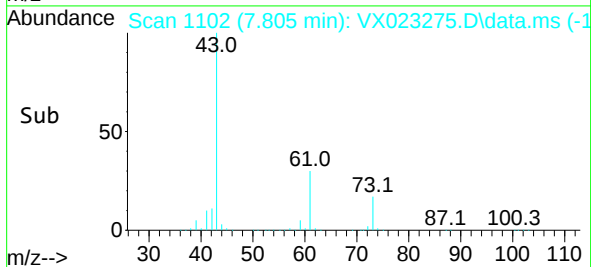
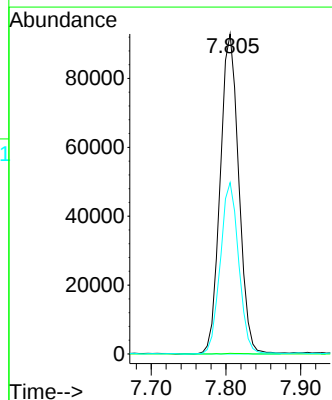
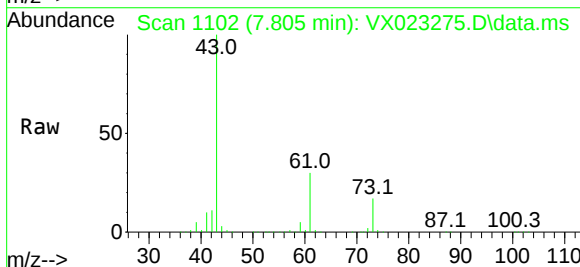
Instrument :
MSVOA_X
ClientSampleId :

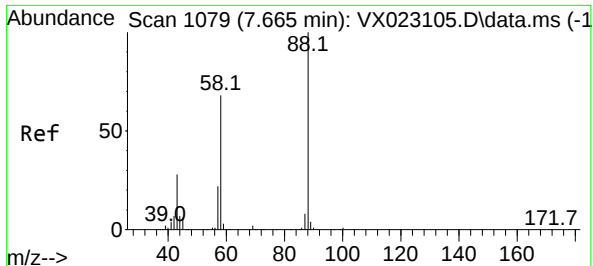
Tgt Ion: 43	Resp: 31468
Ion Ratio	Lower Upper
43 100	
61 19.0	18.2 27.4
87 14.0	12.5 18.7



#48
Methyl methacrylate
Concen: 55.872 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 41	Resp: 160477
Ion Ratio	Lower Upper
41 100	
69 0.2	76.0 114.0#
39 53.3	44.6 67.0

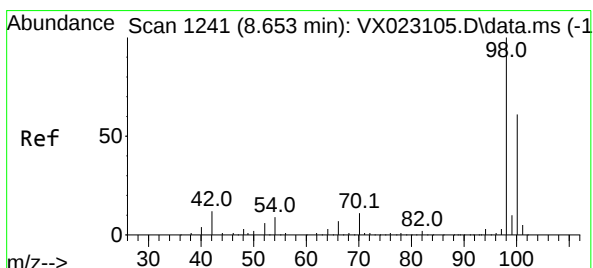
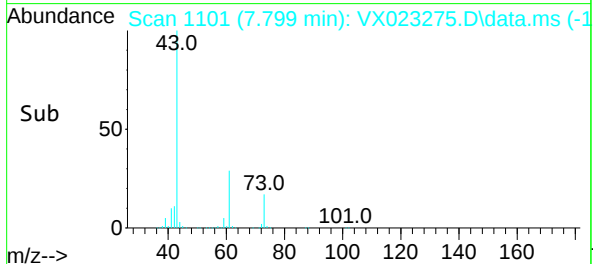
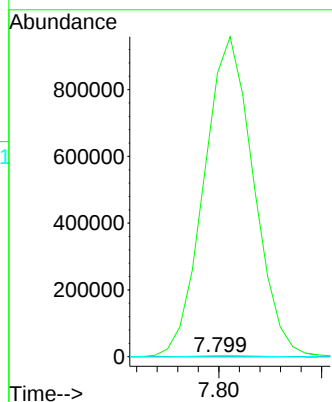
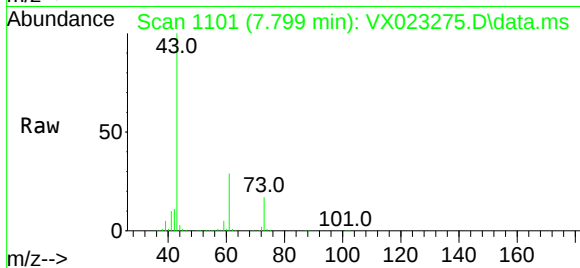




#49
1,4-Dioxane
Concen: 3.728 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

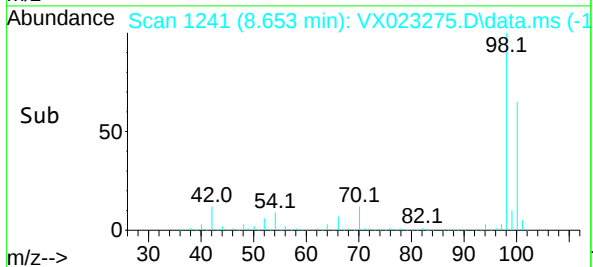
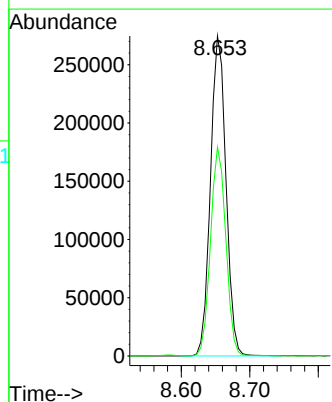
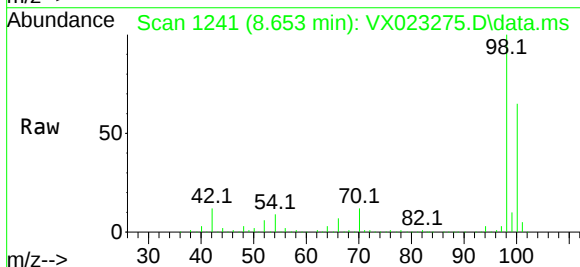
Instrument :
MSVOA_X
ClientSampleId :

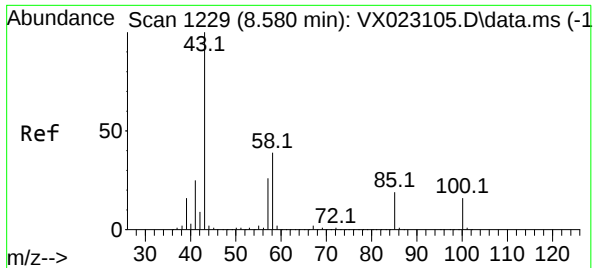
Tgt Ion: 88 Resp: 241
Ion Ratio Lower Upper
88 100
43 670405.8 23.2 34.8#
58 2790.5 55.0 82.4#



#50
Toluene-d8
Concen: 49.575 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 98 Resp: 432132
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

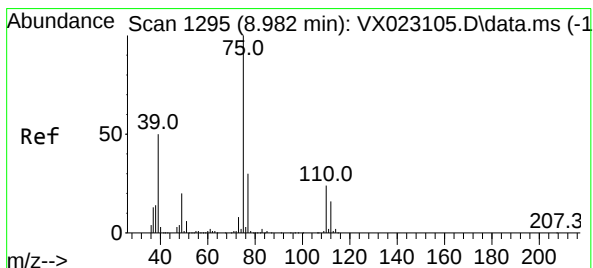
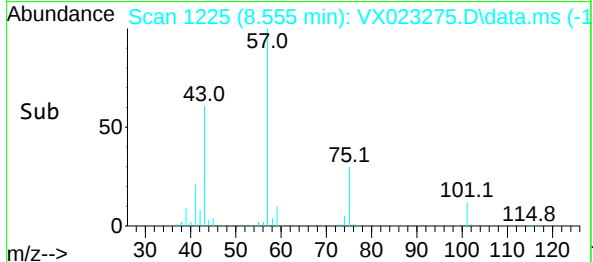
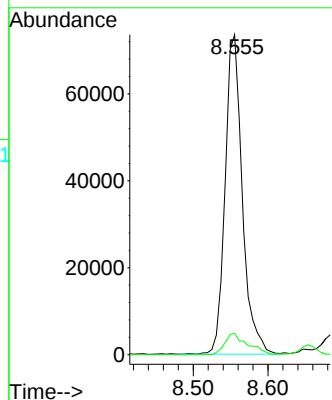
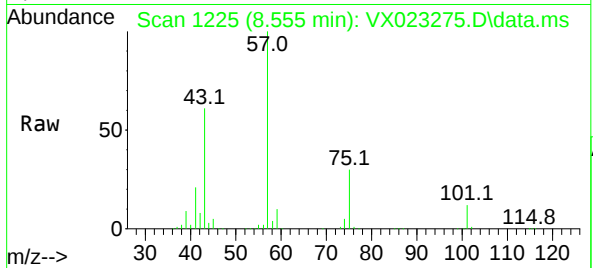




#51
4-Methyl-2-Pentanone
Concen: 32.404 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

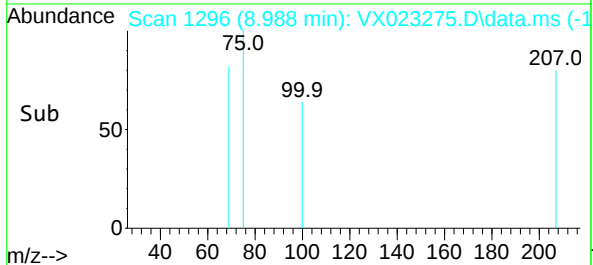
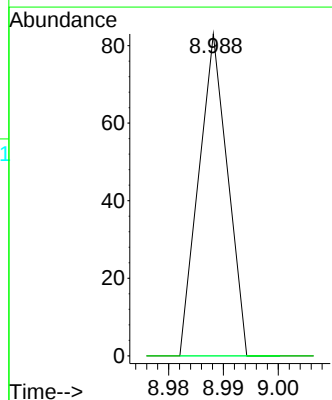
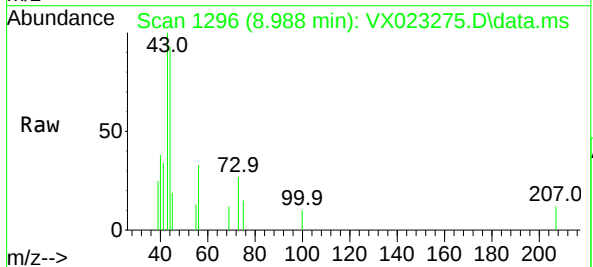
Instrument :
MSVOA_X
ClientSampled :

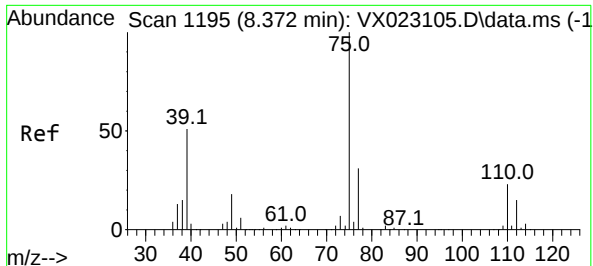
Tgt Ion: 43 Resp: 117534
Ion Ratio Lower Upper
43 100
58 8.9 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.744 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

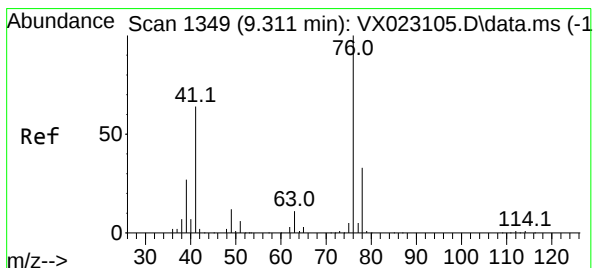
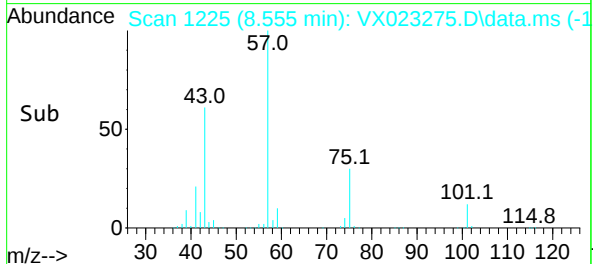
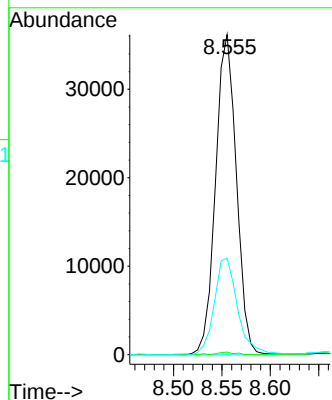
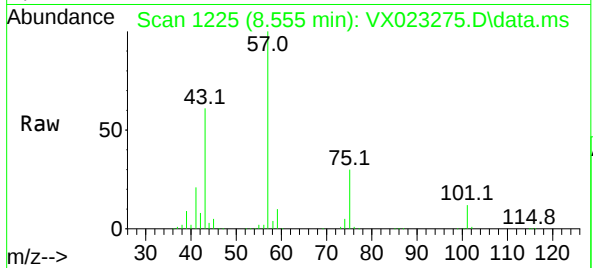




#54
 cis-1,3-Dichloropropene
 Concen: 14.468 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023275.D
 Acq: 14 Jul 2021 13:37

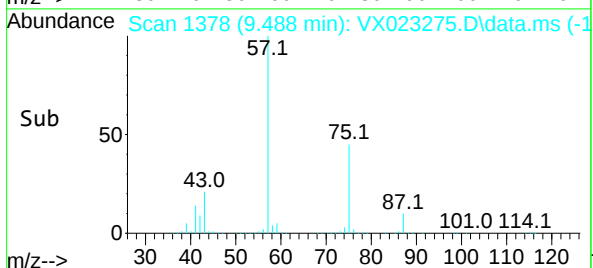
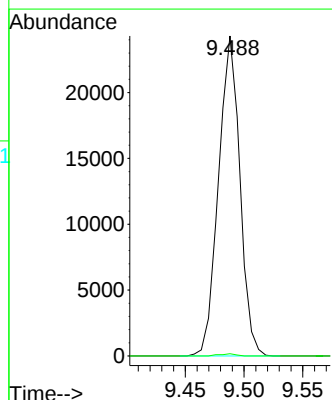
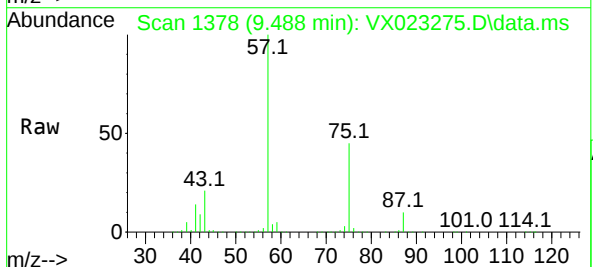
Instrument :
 MSVOA_X
 ClientSampleId :

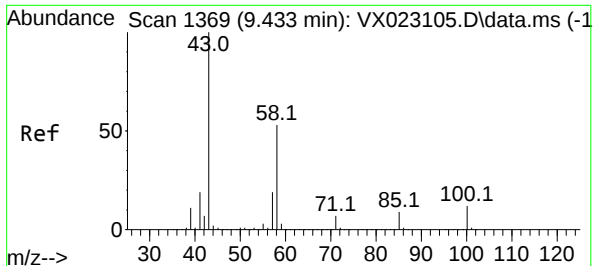
Tgt Ion: 75 Resp: 53937
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.7 38.5#
 39 30.1 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.310 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023275.D
 Acq: 14 Jul 2021 13:37

Tgt Ion: 76 Resp: 30754
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

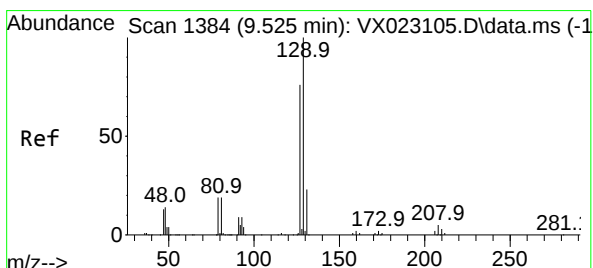
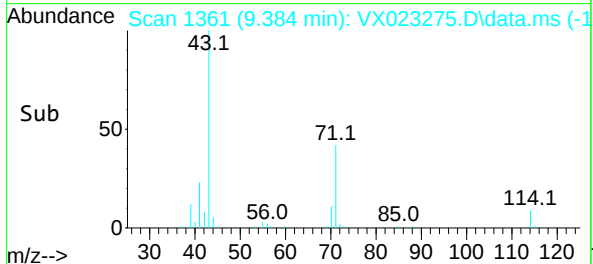
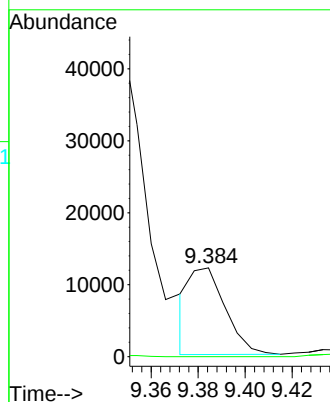
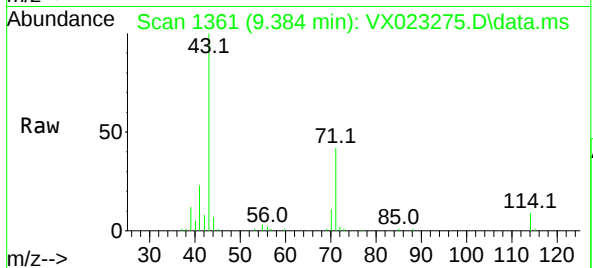




#59
2-Hexanone
Concen: 4.591 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

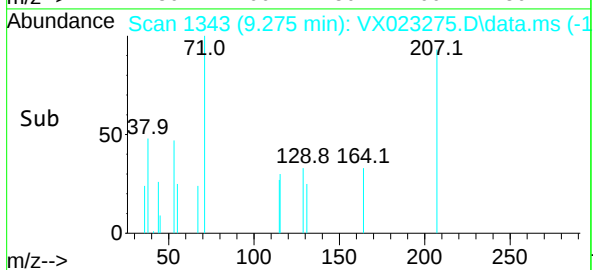
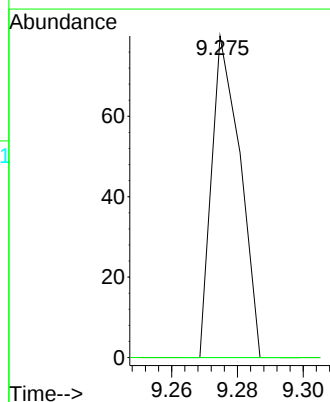
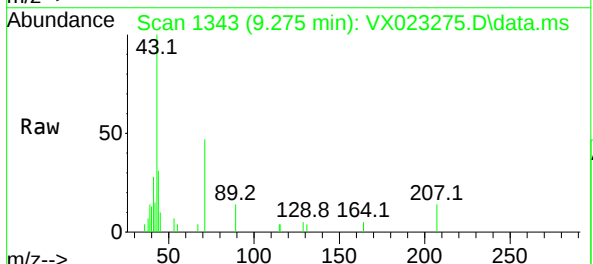
Instrument :
MSVOA_X
ClientSampleId :

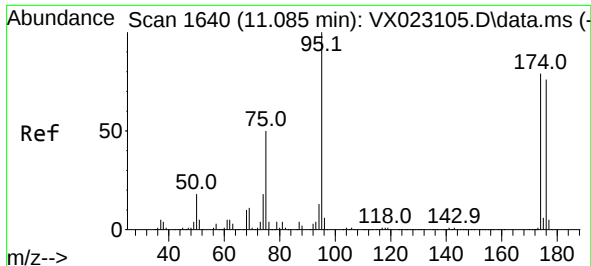
Tgt Ion: 43 Resp: 12778
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.128 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 129 Resp: 48
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

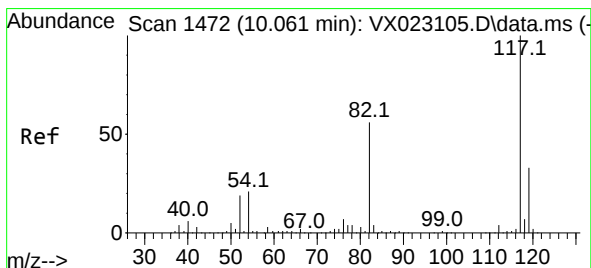
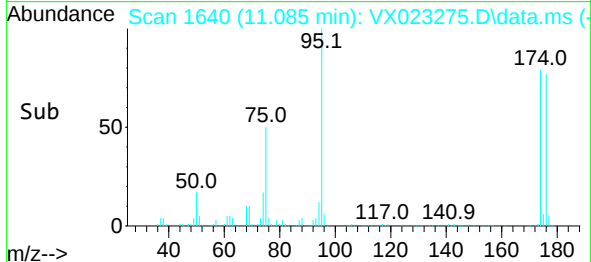
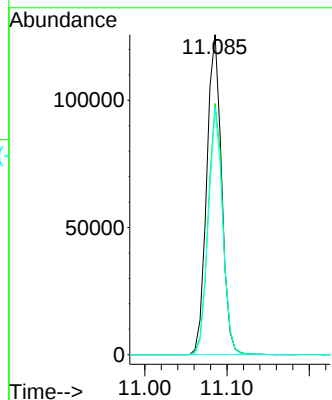
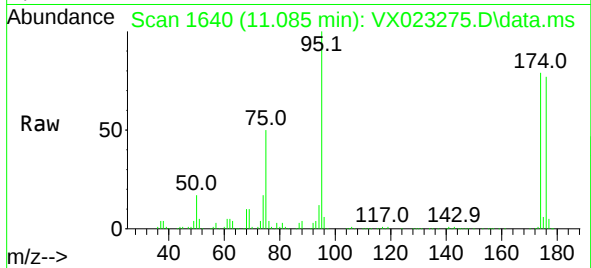




#62
4-Bromofluorobenzene
Concen: 46.851 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

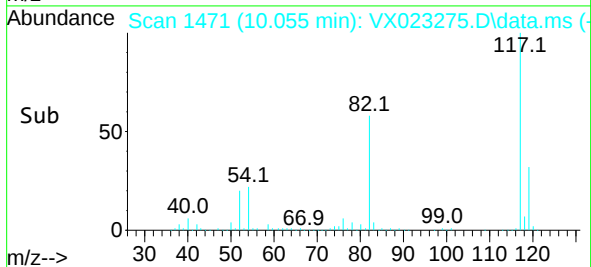
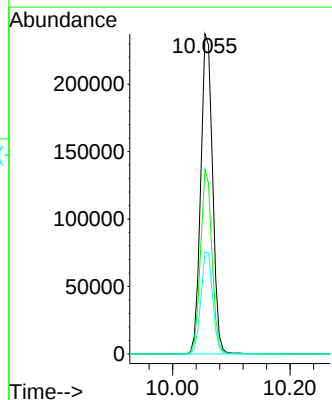
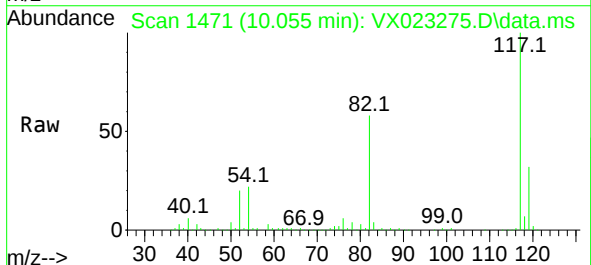
Instrument :
MSVOA_X
ClientSampleId :

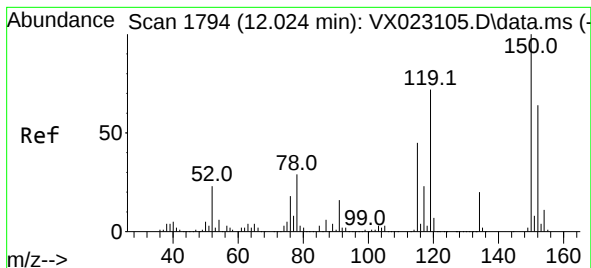
Tgt Ion: 95 Resp: 157660
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 74.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 117 Resp: 332090
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.9 26.6 39.8

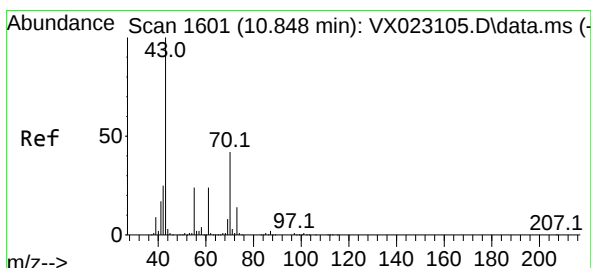
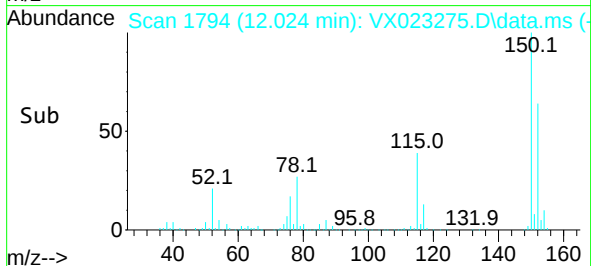
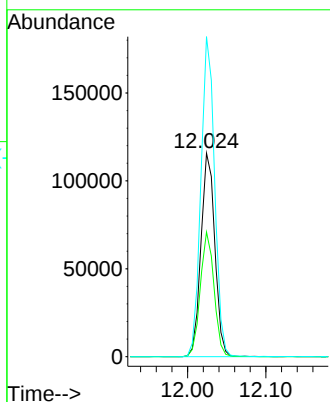
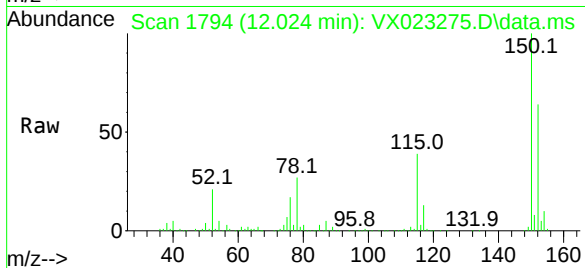




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

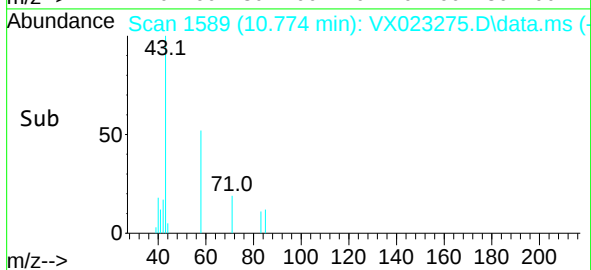
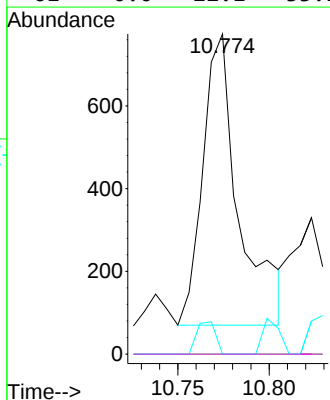
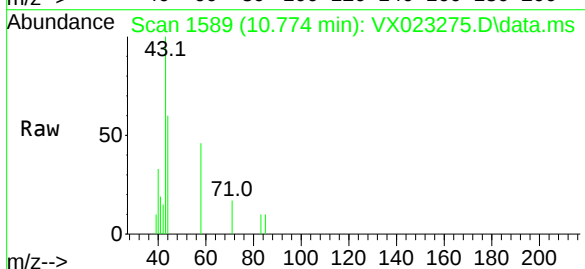
Instrument :
MSVOA_X
ClientSampleId :

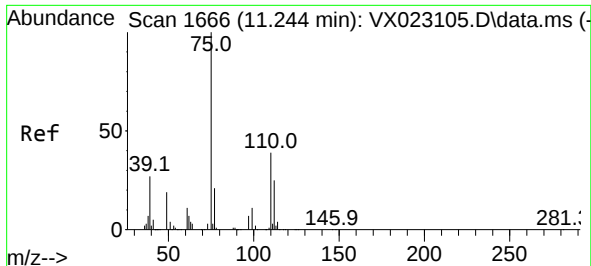
Tgt Ion:152 Resp: 142464
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 155.3 0.0 349.0



#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 5.8 21.5 32.3#
61 0.0 22.1 33.1#

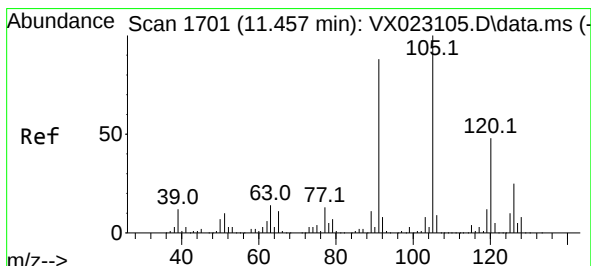
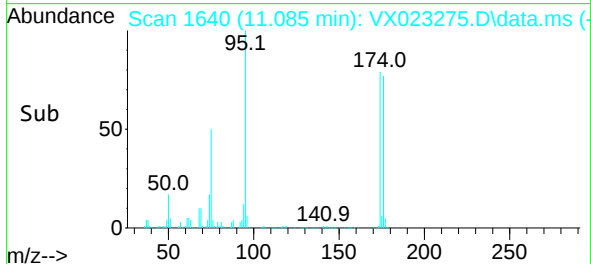
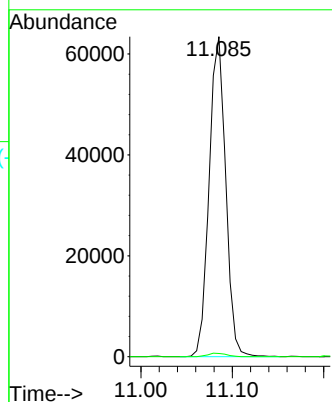
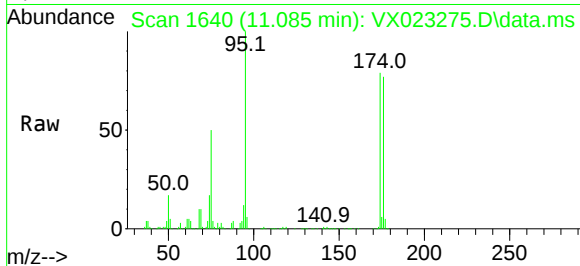




#76
1,2,3-Trichloropropane
Concen: 27.794 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

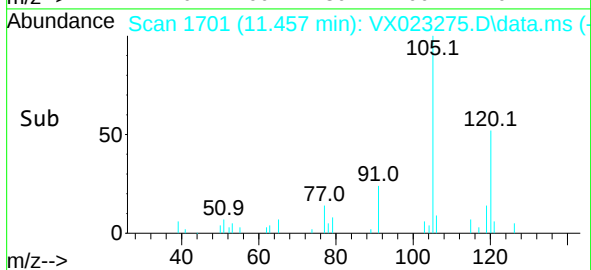
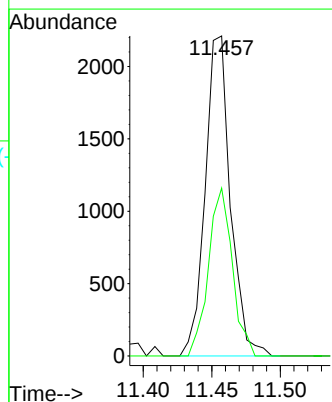
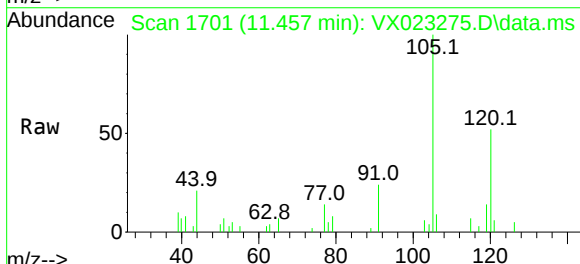
Instrument :
MSVOA_X
ClientSampled :

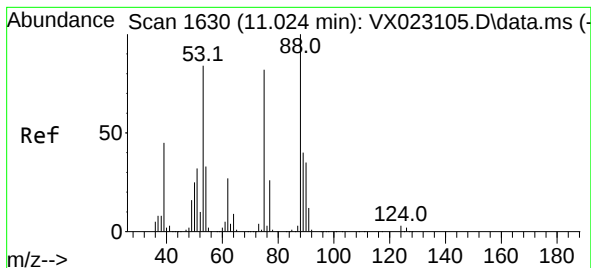
Tgt Ion: 75 Resp: 79681
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.328 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion: 105 Resp: 2834
Ion Ratio Lower Upper
105 100
120 49.5 23.8 71.5

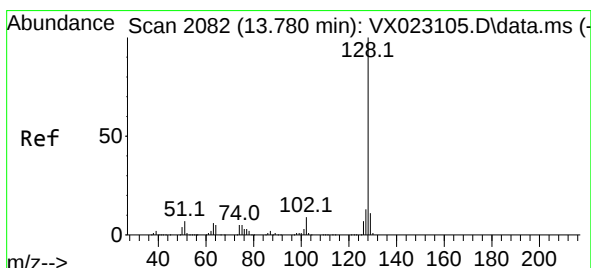
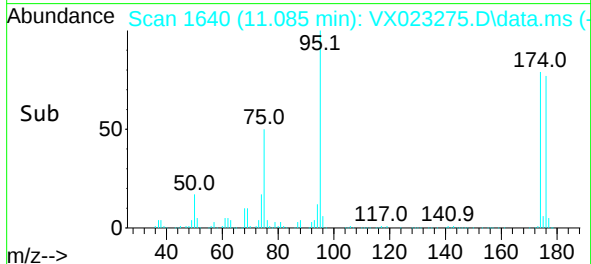
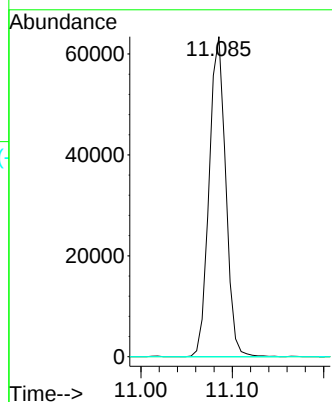
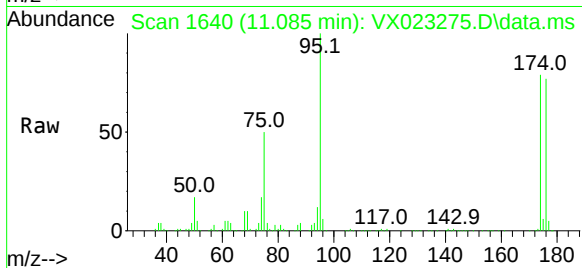




#81
trans-1,4-Dichloro-2-butene
Concen: 74.978 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 79681
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.339 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023275.D
Acq: 14 Jul 2021 13:37

Tgt Ion:128 Resp: 694
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

