

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023348.D
 Acq On : 19 Jul 2021 18:01
 Operator : JC/MD
 Sample : PB137749ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#13

Quant Time: Jul 20 05:27:17 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)

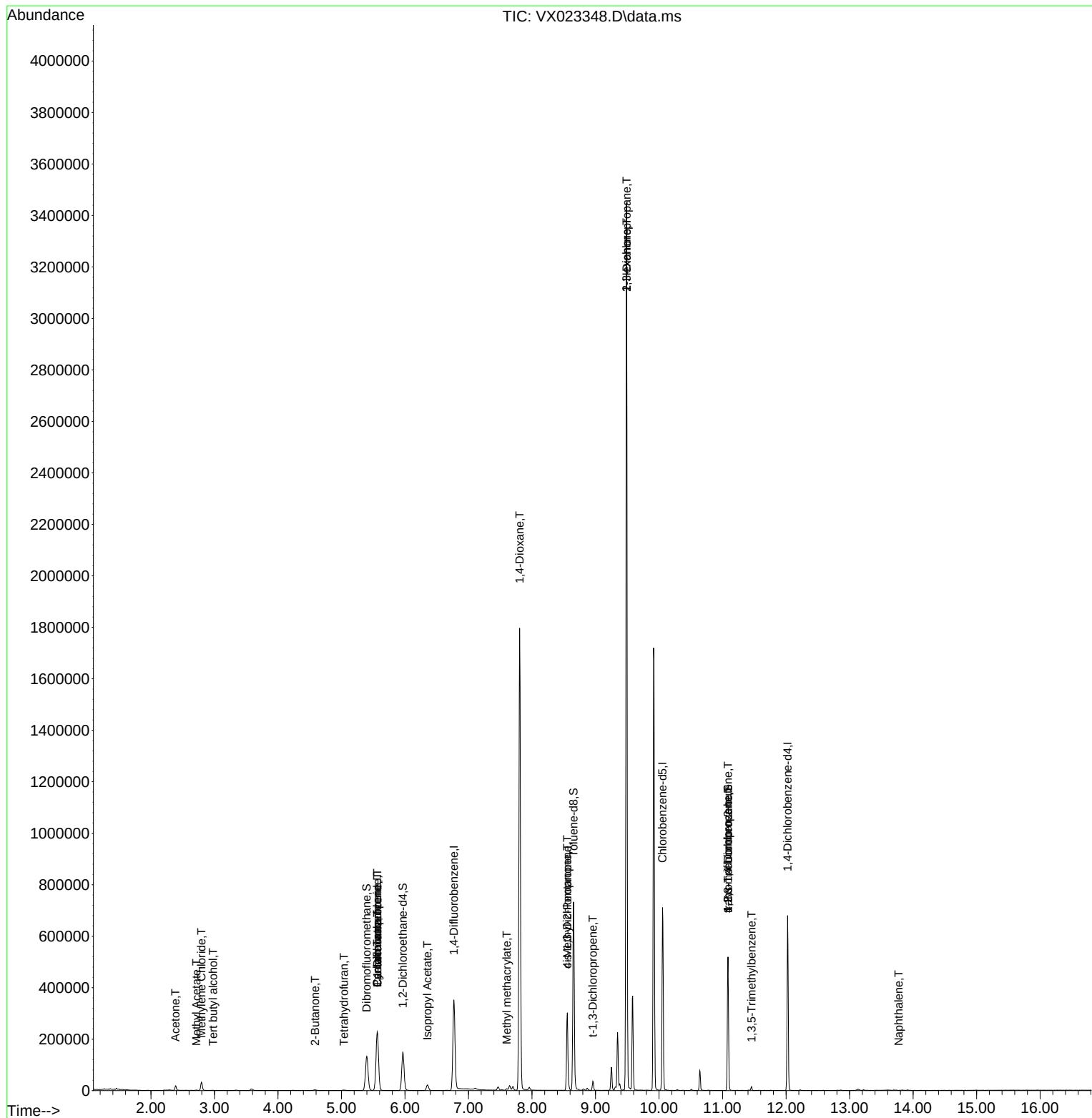
Internal Standards						
1) Pentafluorobenzene	5.562	168	209975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	347527	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151529	53.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.380%			
35) Dibromofluoromethane	5.397	113	114103	50.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.653	98	418035	49.936	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.880%			
62) 4-Bromofluorobenzene	11.085	95	144423	44.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.380%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	263	Below Cal	#	71
11) Tert butyl alcohol	2.977	59	573	0.965	ug/l #	73
16) Acetone	2.386	43	18524	16.591	ug/l #	84
18) Methyl Acetate	2.715	43	1913	0.706	ug/l	99
20) Methylene Chloride	2.794	84	14467	6.018	ug/l	94
25) 2-Butanone	4.587	43	4680	2.780	ug/l	93
29) Tetrahydrofuran	5.038	42	1641	1.516	ug/l #	75
31) Cyclohexane	5.562	56	4722	1.397	ug/l #	5
36) 1,1-Dichloropropene	5.562	75	16935	5.466	ug/l #	49
38) Carbon Tetrachloride	5.562	117	22634	6.999	ug/l #	15
43) Isopropyl Acetate	6.355	43	29295	5.211	ug/l	96
48) Methyl methacrylate	7.604	41	7308	2.649	ug/l #	10
49) 1,4-Dioxane	7.805	88	308	4.961	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	105619	30.320	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	64	2.752	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	46851	13.294	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	28938	7.162	ug/l #	43
59) 2-Hexanone	9.488	43	399513	149.475	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	66856	24.252	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	6025	0.725	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	66856	66.030	ug/l #	12
95) Naphthalene	13.774	128	186	1.293	ug/l #	77

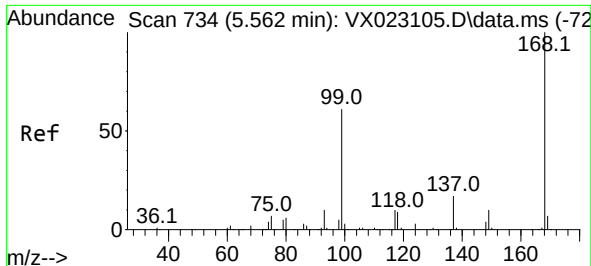
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
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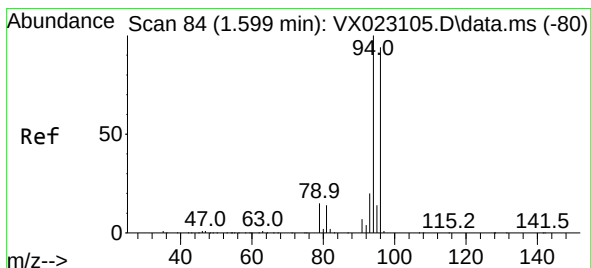
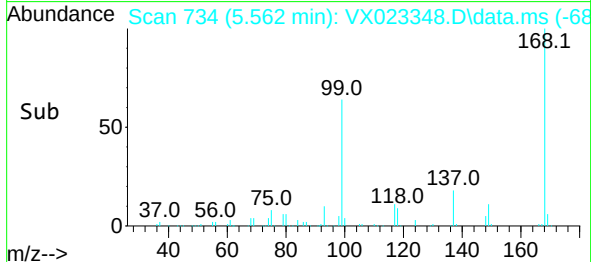
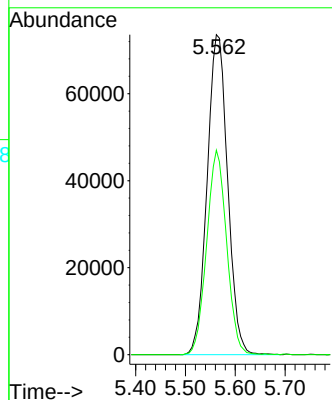
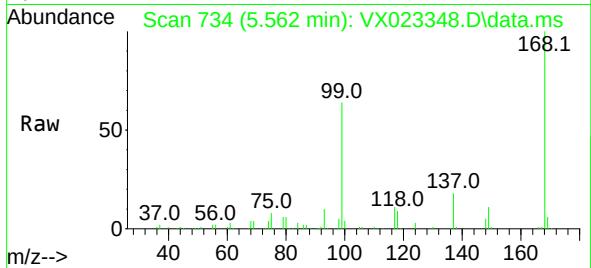




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

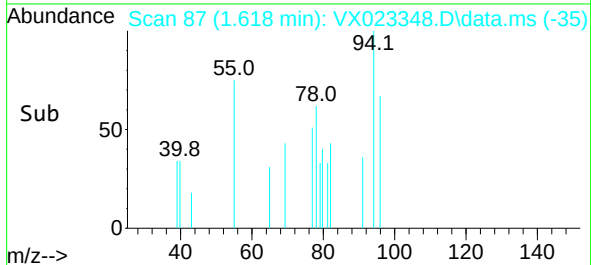
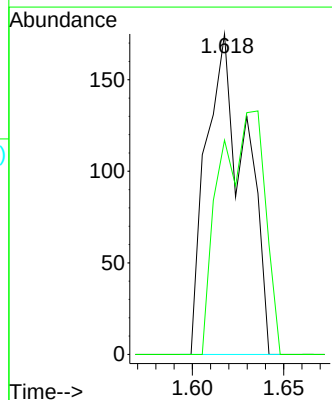
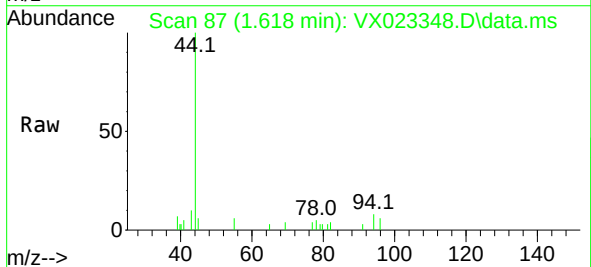
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

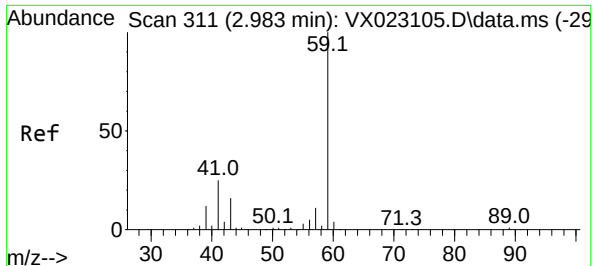
Tgt Ion:168 Resp: 209975
Ion Ratio Lower Upper
168 100
99 63.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 66.9 76.4 114.6#

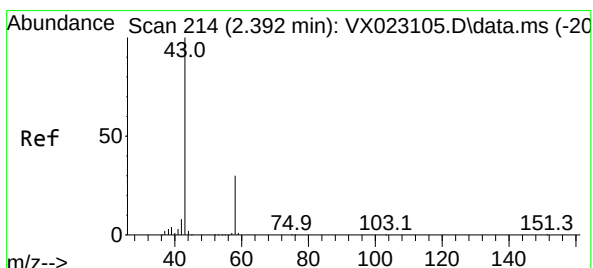
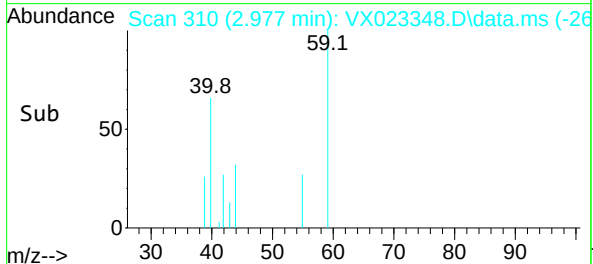
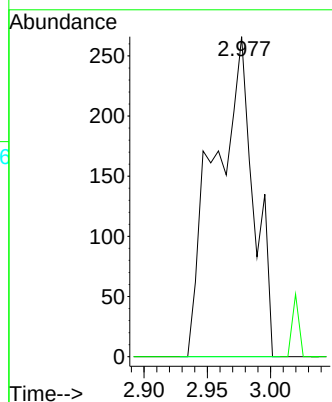
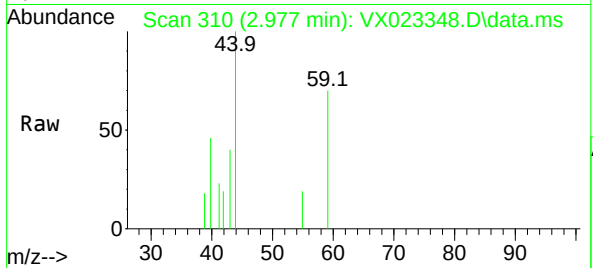




#11
Tert butyl alcohol
Concen: 0.965 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

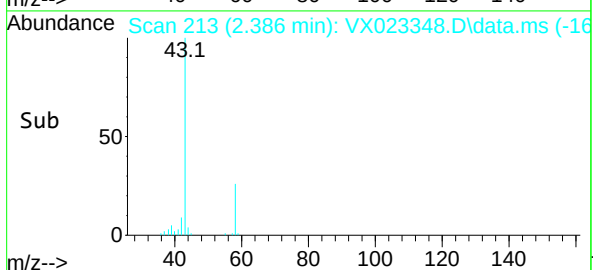
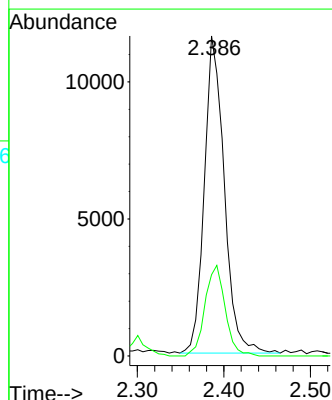
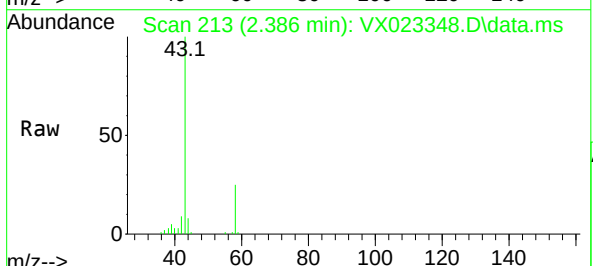
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

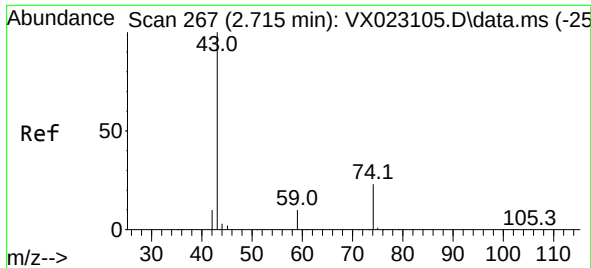
Tgt Ion: 59 Resp: 573
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 16.591 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 43 Resp: 18524
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#

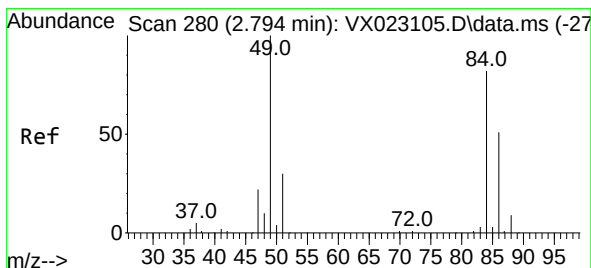
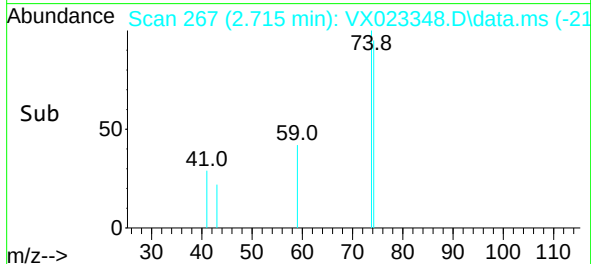
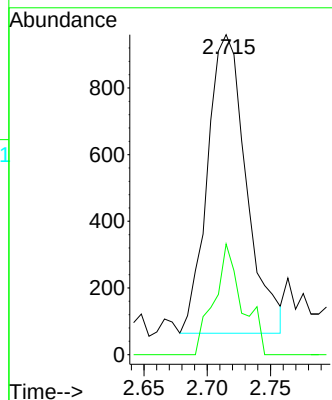
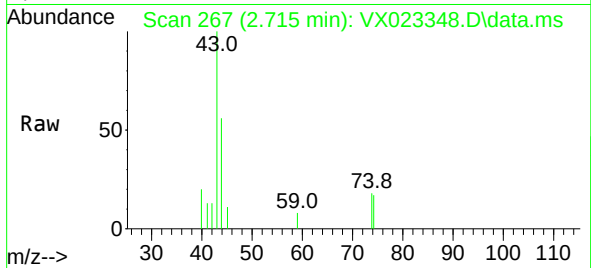




#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

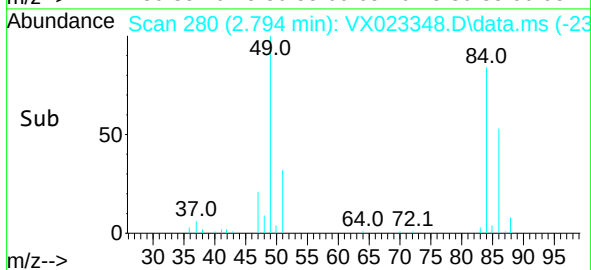
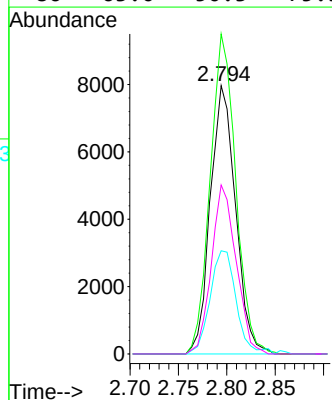
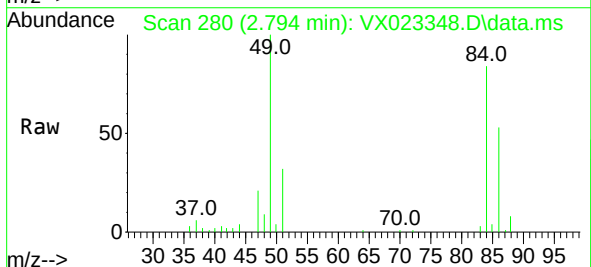
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

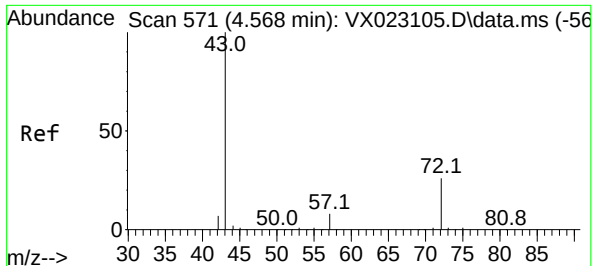
Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



#20
Methylene Chloride
Concen: 6.018 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 84 Resp: 14467
Ion Ratio Lower Upper
84 100
49 119.3 88.6 132.8
51 38.5 27.0 40.6
86 63.0 50.3 75.5

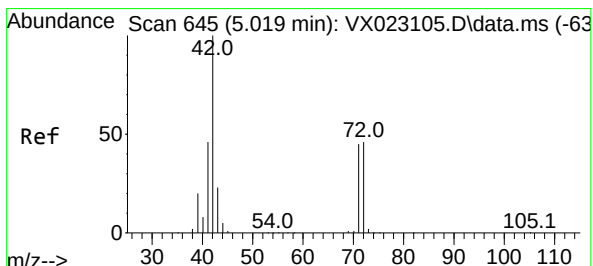
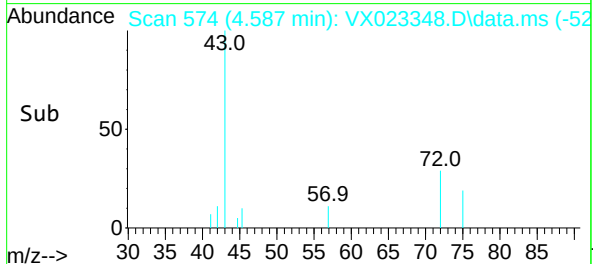
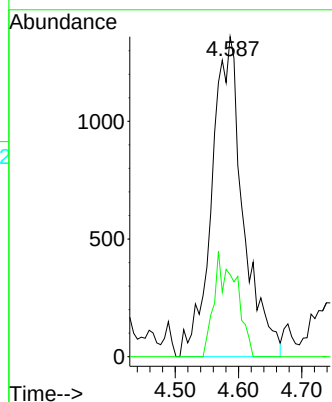
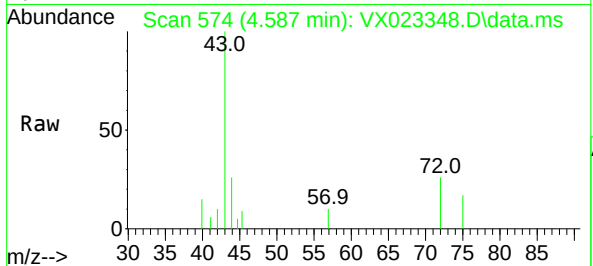




#25
2-Butanone
Concen: 2.780 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

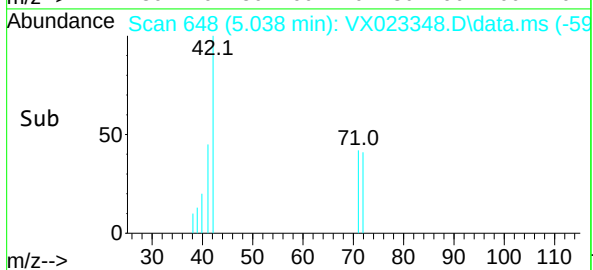
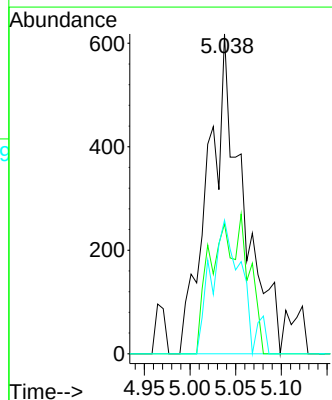
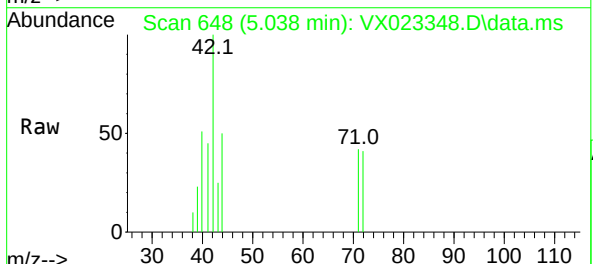
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

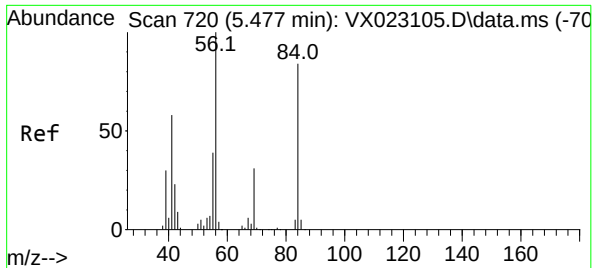
Tgt Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
72 25.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.516 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 42 Resp: 1641
Ion Ratio Lower Upper
42 100
72 29.4 41.7 62.5#
71 36.7 38.4 57.6#

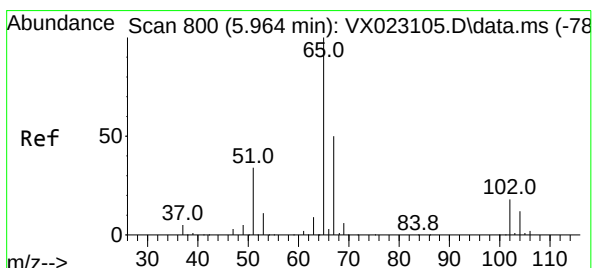
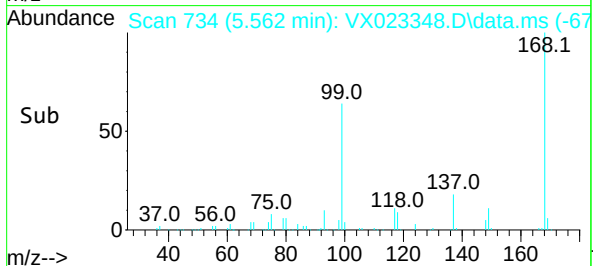
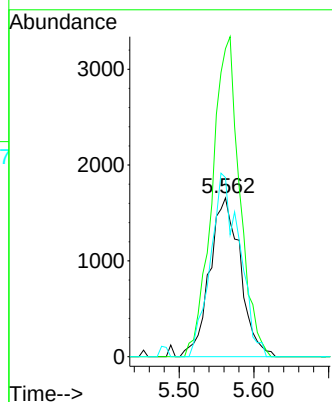
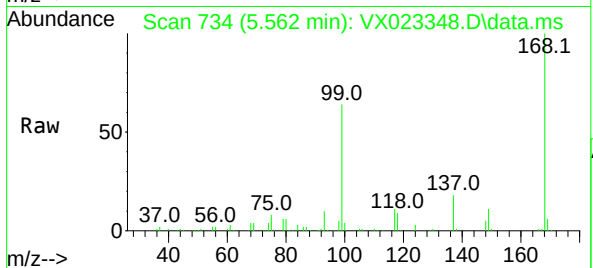




#31
Cyclohexane
Concen: 1.397 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

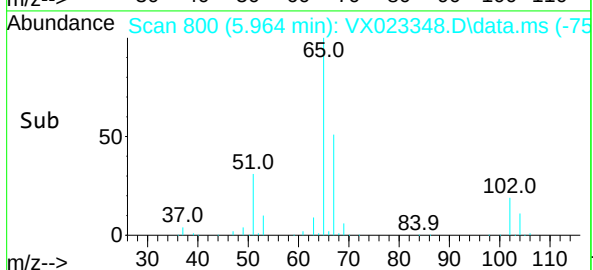
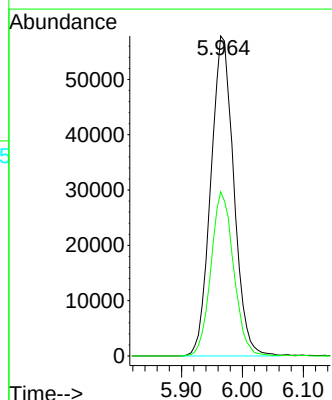
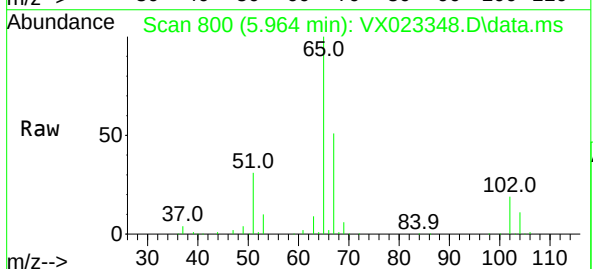
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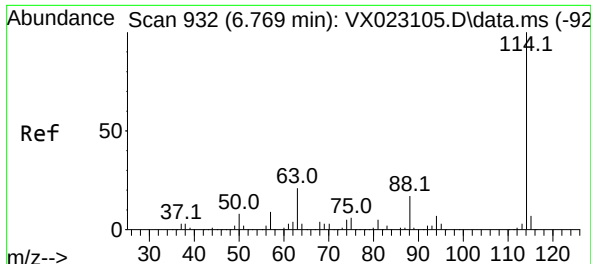
Tgt Ion: 56 Resp: 4722
Ion Ratio Lower Upper
56 100
69 194.0 25.3 37.9#
84 112.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.694 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 65 Resp: 151529
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

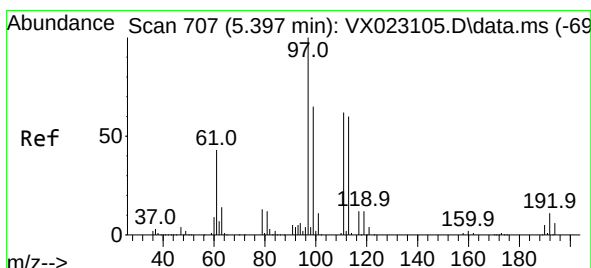
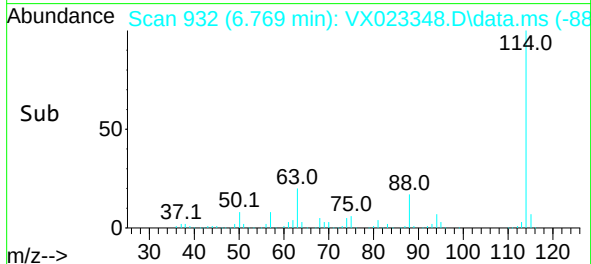
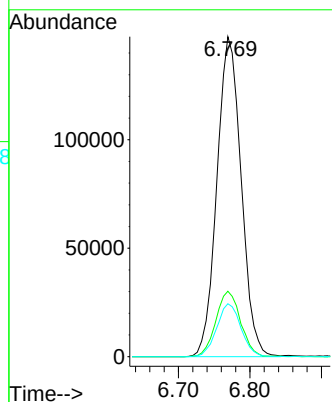
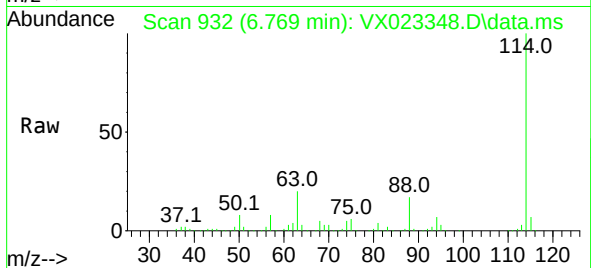




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

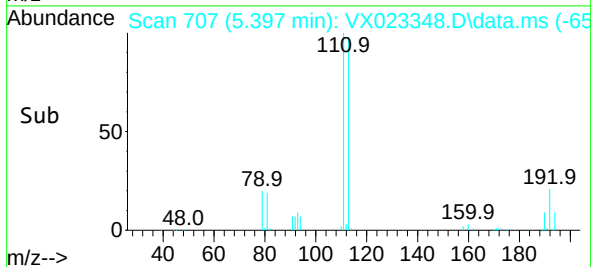
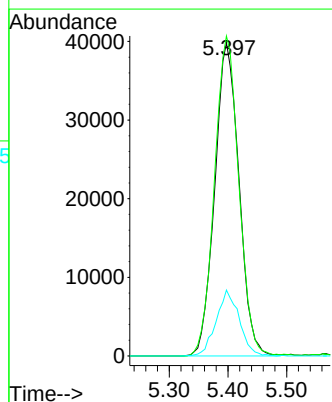
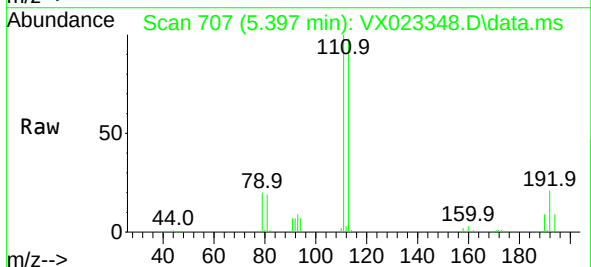
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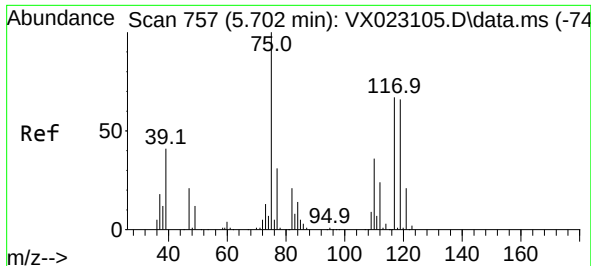
Tgt Ion:114 Resp: 347527
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.844 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion:113 Resp: 114103
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.1 16.7 25.1

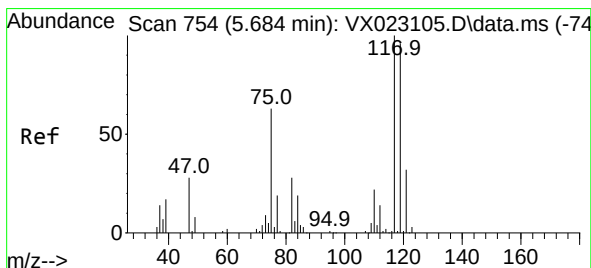
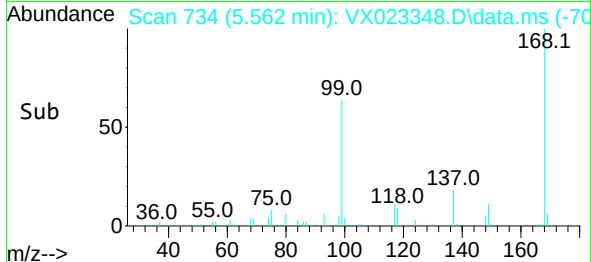
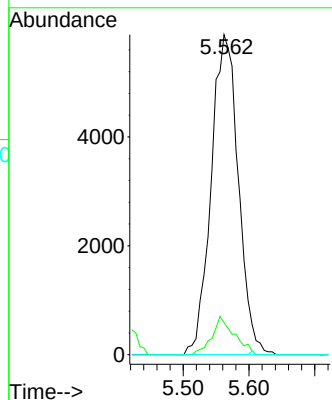
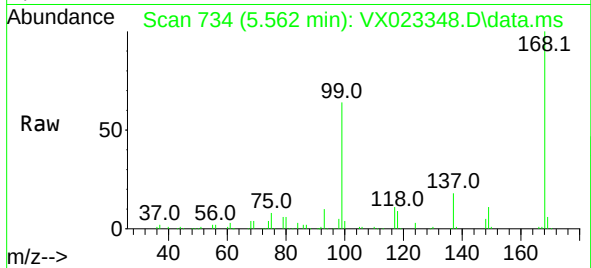




#36
1,1-Dichloropropene
Concen: 5.466 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

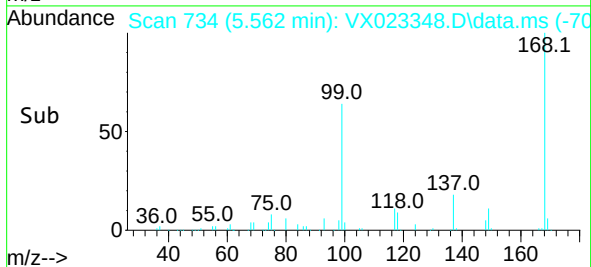
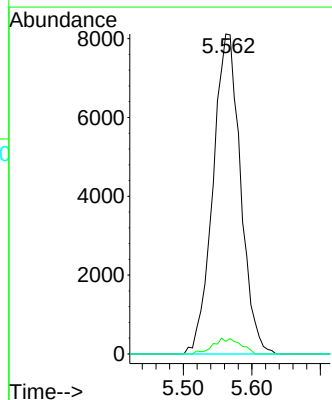
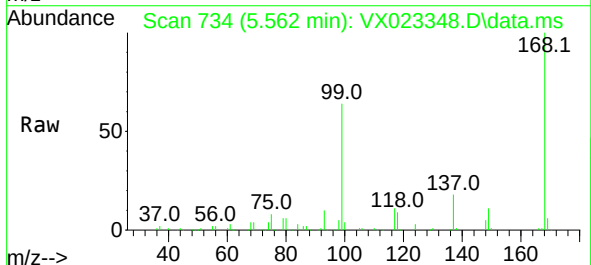
Instrument :
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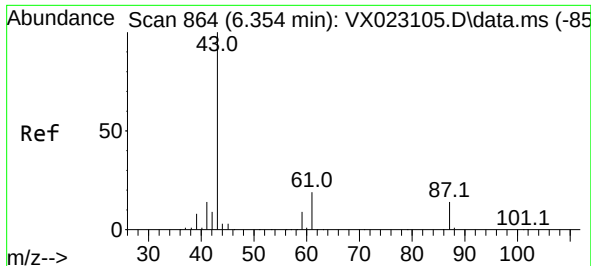
Tgt Ion: 75 Resp: 16935
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.999 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 117 Resp: 22634
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#

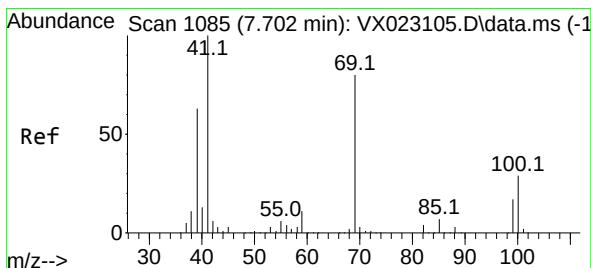
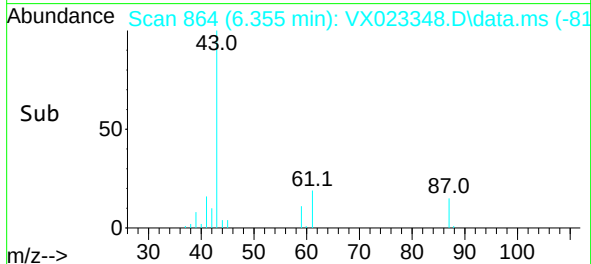
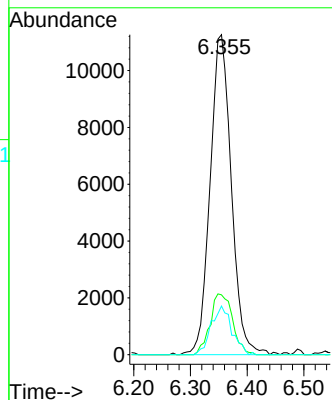
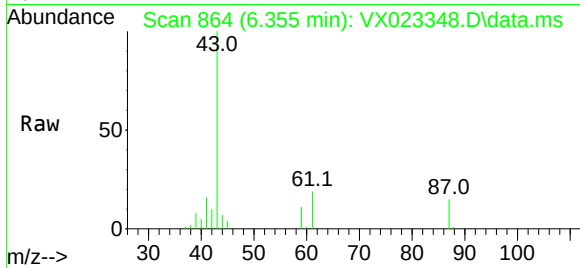




#43
Isopropyl Acetate
Concen: 5.211 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

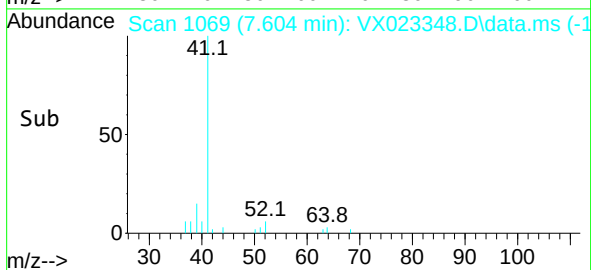
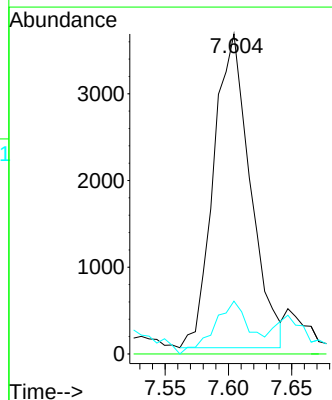
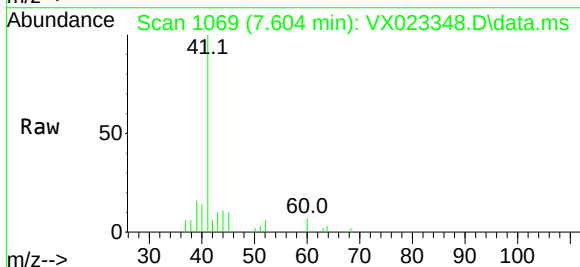
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

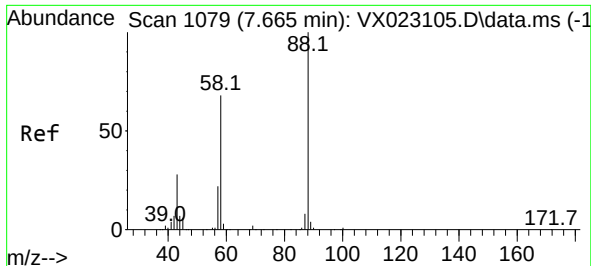
Tgt Ion: 43 Resp: 29295
Ion Ratio Lower Upper
43 100
61 20.0 18.2 27.4
87 14.9 12.5 18.7



#48
Methyl methacrylate
Concen: 2.649 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 41 Resp: 7308
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

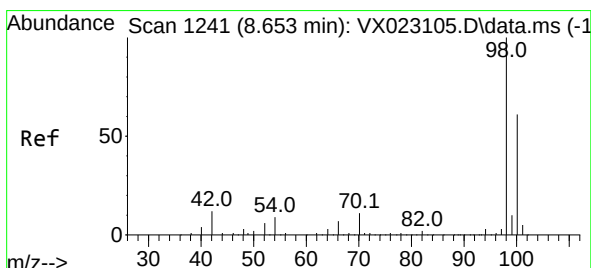
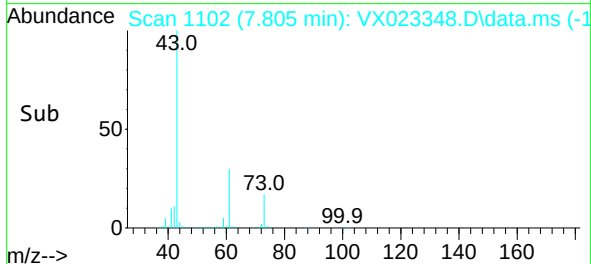
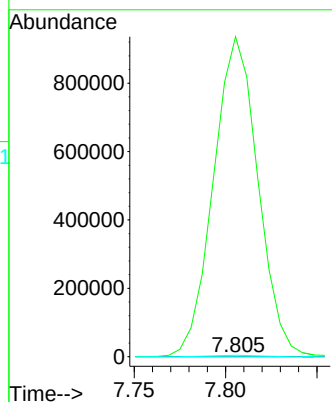
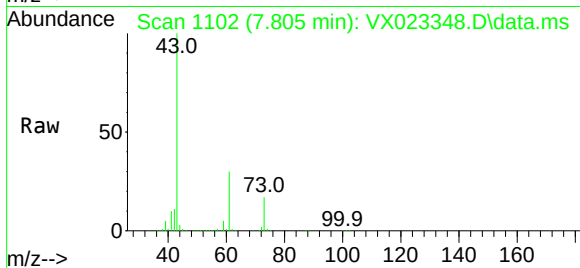




#49
1,4-Dioxane
Concen: 4.961 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

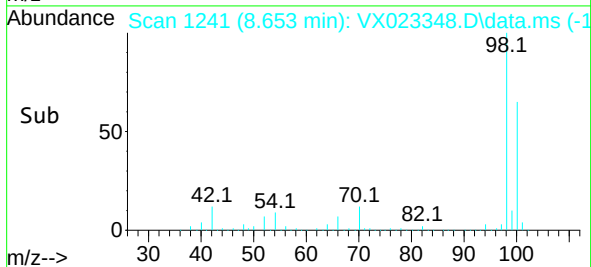
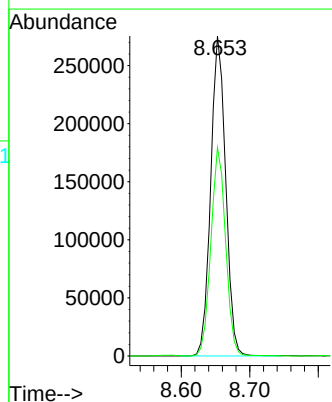
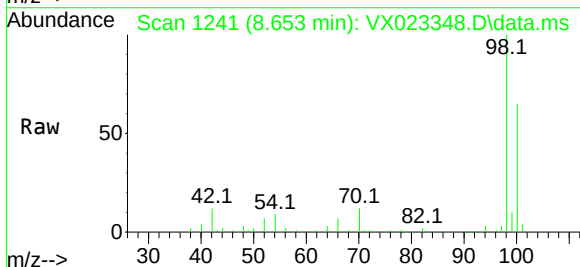
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

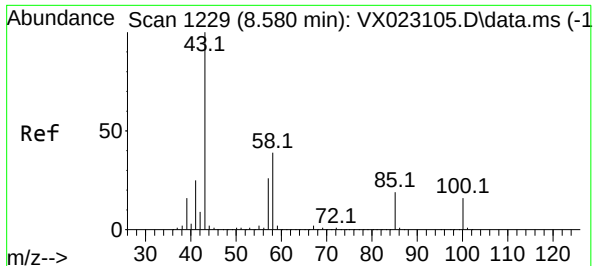
Tgt Ion: 88 Resp: 308
Ion Ratio Lower Upper
88 100
43 517955.5 23.2 34.8#
58 2367.5 55.0 82.4#



#50
Toluene-d8
Concen: 49.936 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 98 Resp: 418035
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

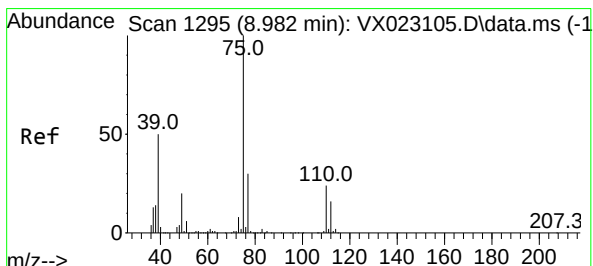
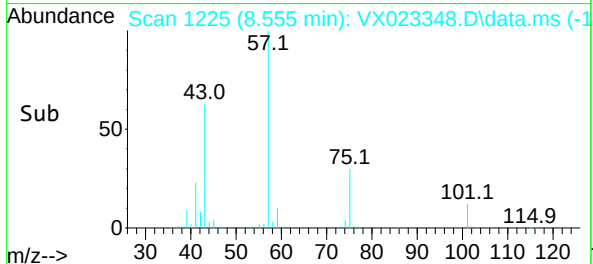
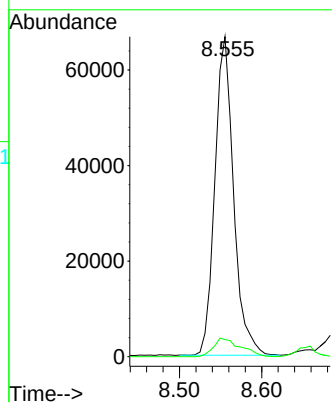
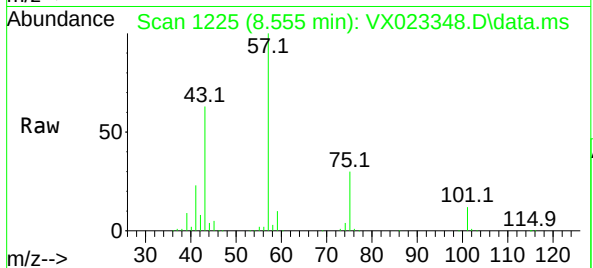




#51
4-Methyl-2-Pentanone
Concen: 30.320 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

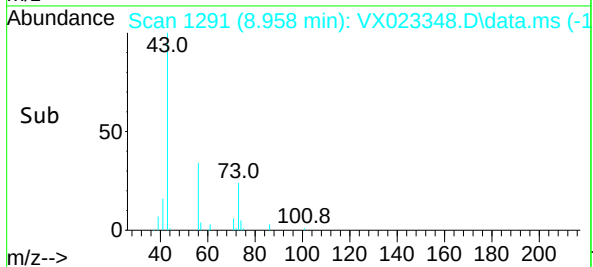
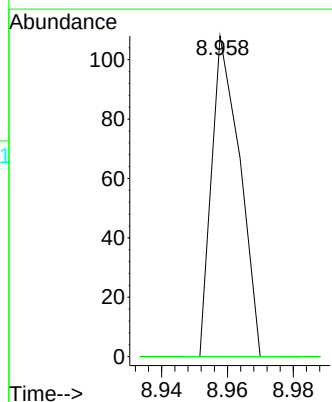
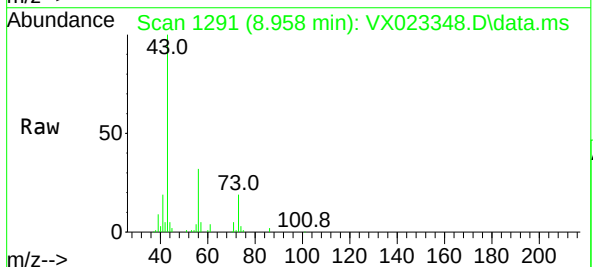
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

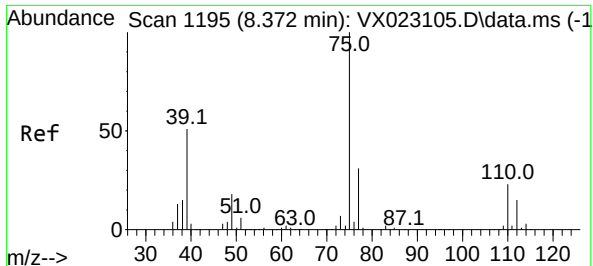
Tgt Ion: 43 Resp: 105619
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.752 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

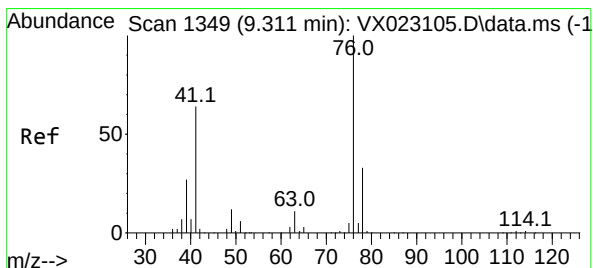
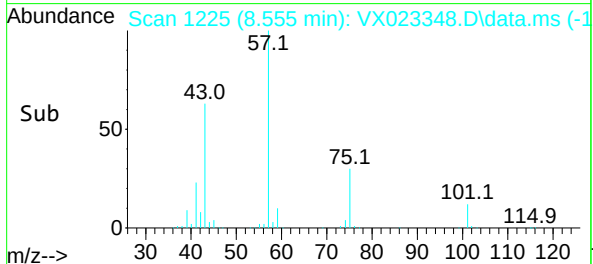
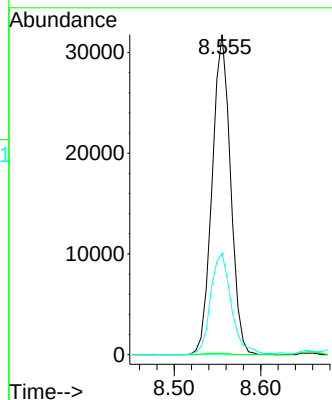
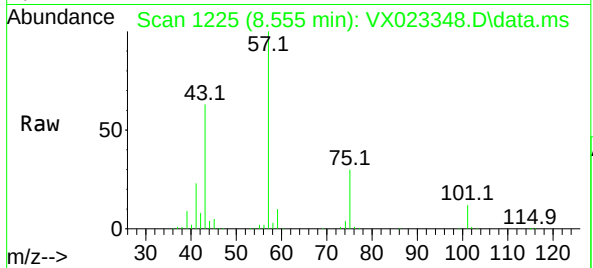




#54
 cis-1,3-Dichloropropene
 Concen: 13.294 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023348.D
 Acq: 19 Jul 2021 18:01

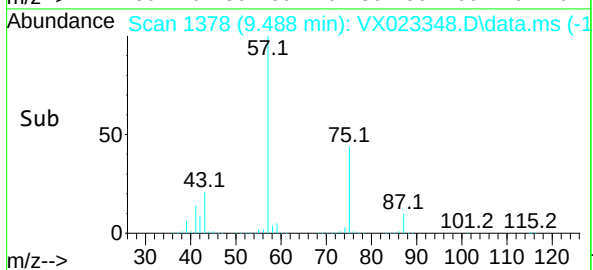
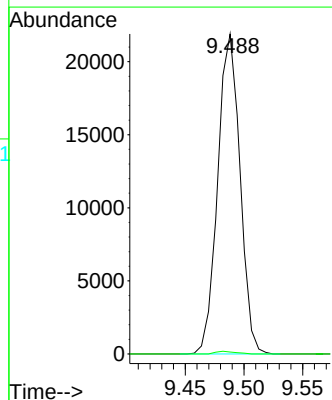
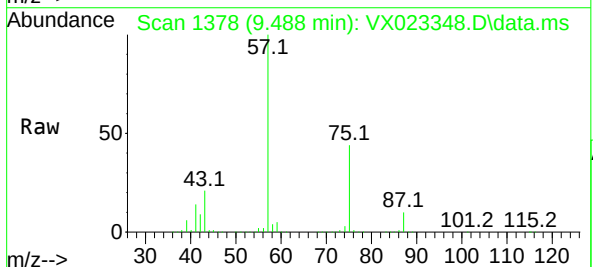
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#13

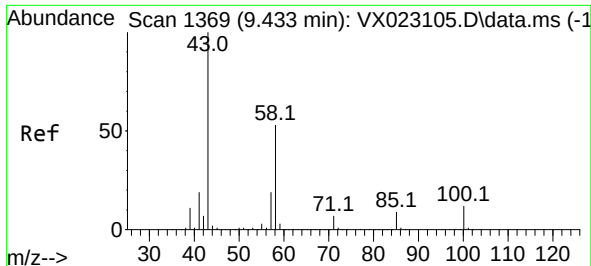
Tgt Ion: 75 Resp: 46851
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 31.7 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.162 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023348.D
 Acq: 19 Jul 2021 18:01

Tgt Ion: 76 Resp: 28938
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

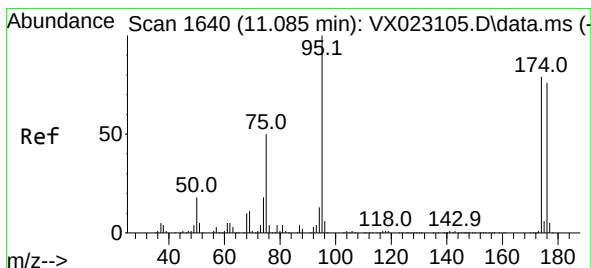
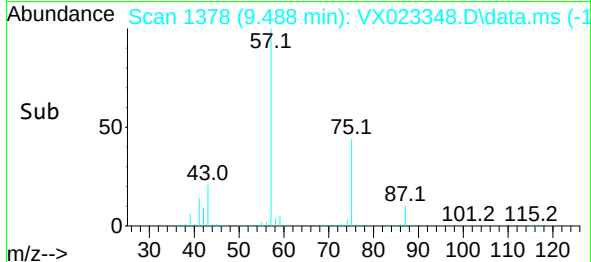
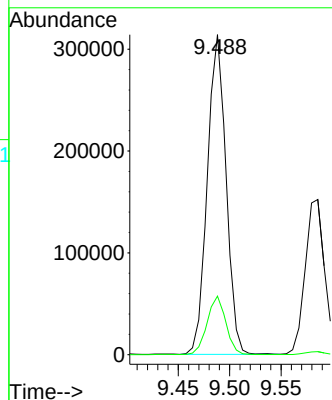
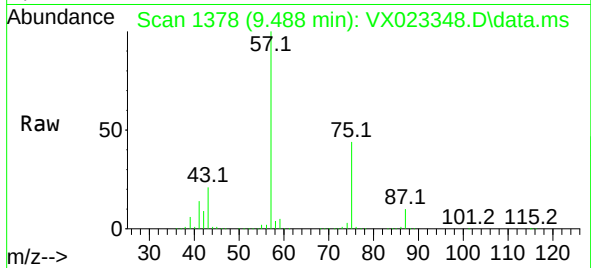




#59
2-Hexanone
Concen: 149.475 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

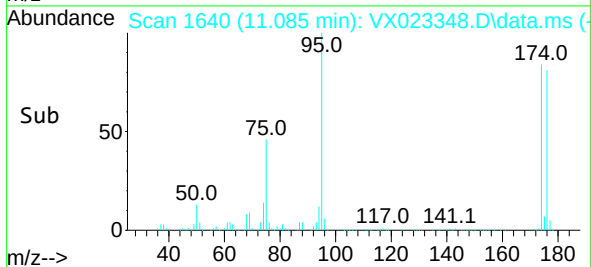
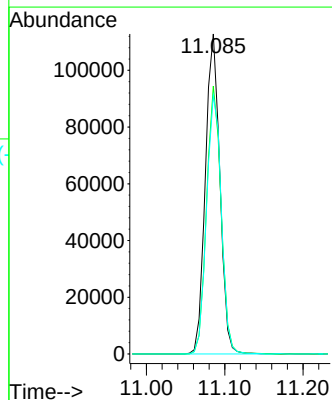
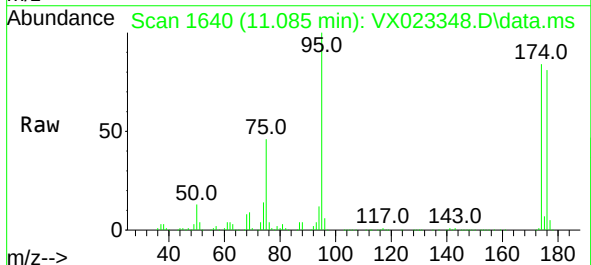
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

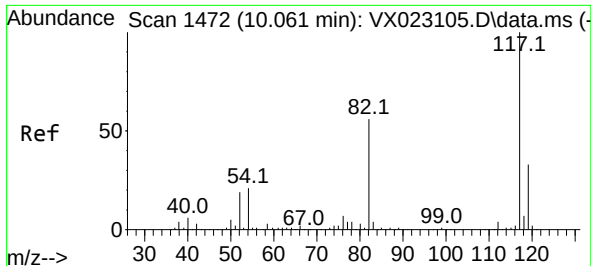
Tgt Ion: 43 Resp: 399513
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.688 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 95 Resp: 144423
Ion Ratio Lower Upper
95 100
174 83.6 0.0 154.6
176 82.6 0.0 155.8

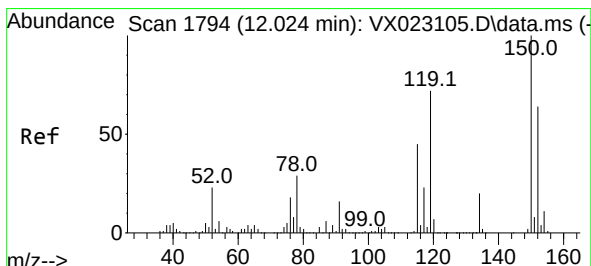
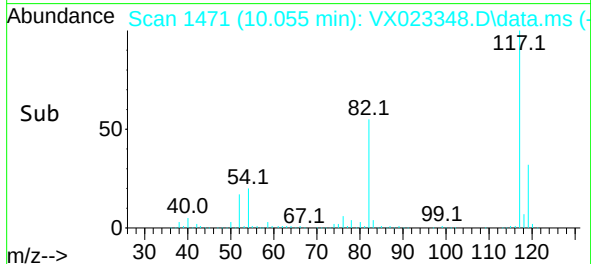
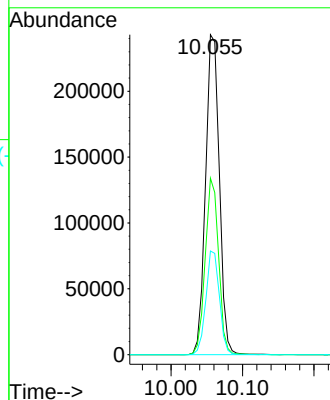
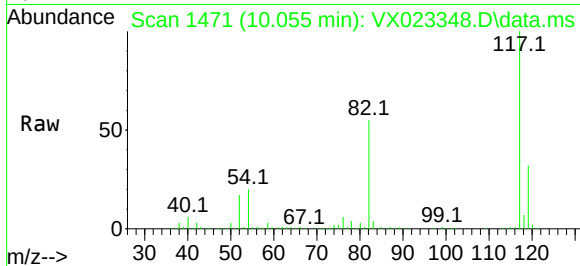




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

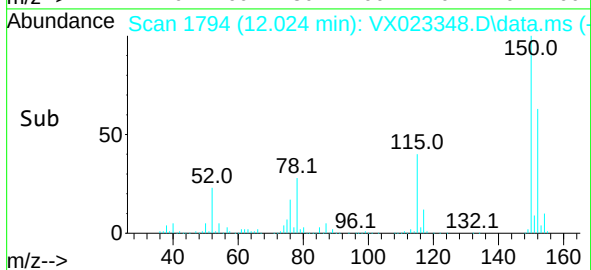
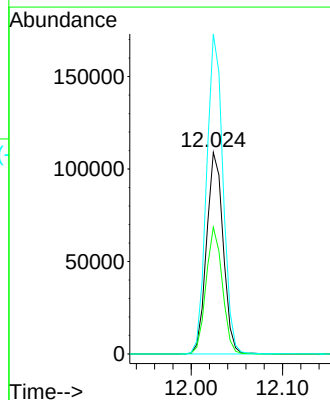
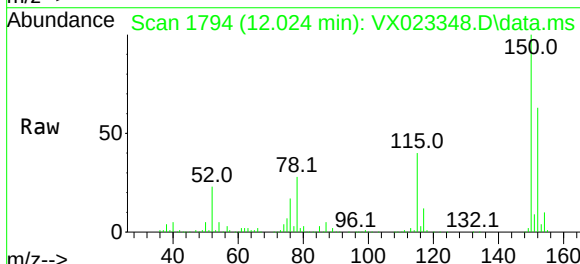
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

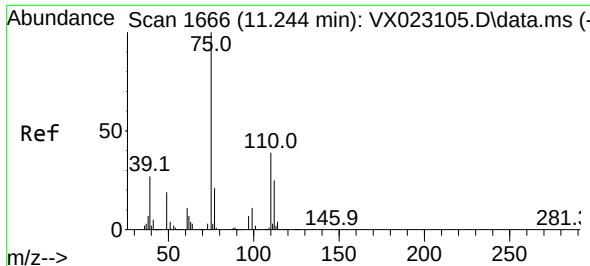
Tgt Ion:117 Resp: 326256
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion:152 Resp: 136993
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 156.9 0.0 349.0

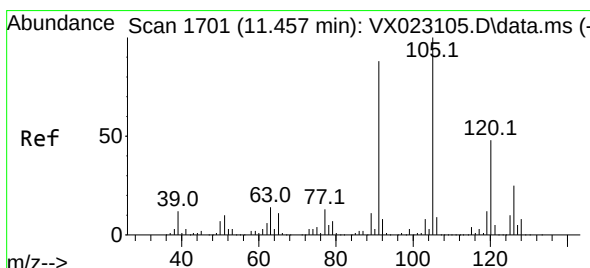
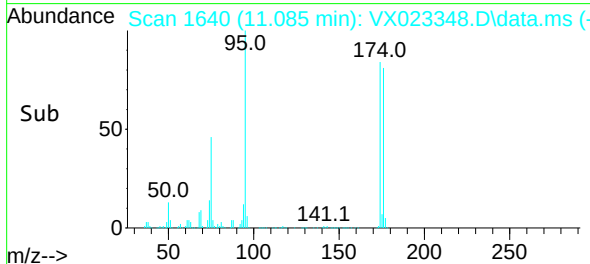
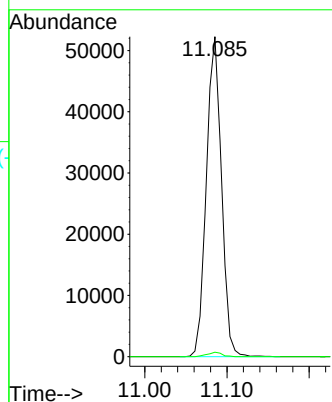
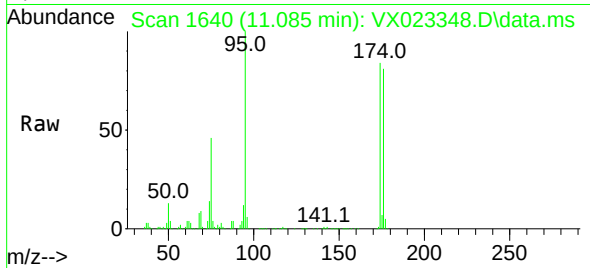




#76
1,2,3-Trichloropropane
Concen: 24.252 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

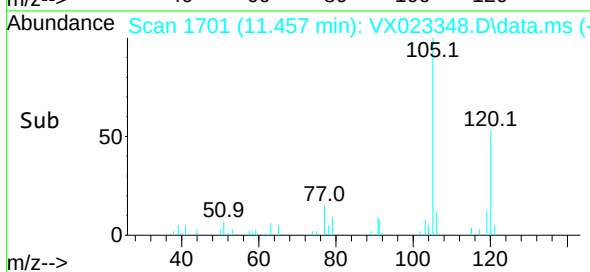
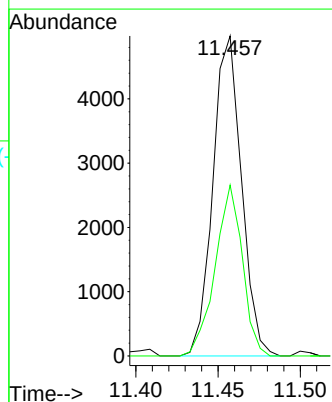
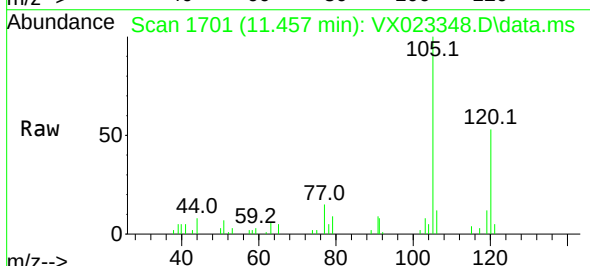
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

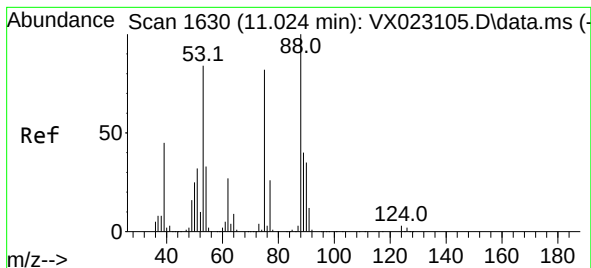
Tgt Ion: 75 Resp: 66856
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.725 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 105 Resp: 6025
Ion Ratio Lower Upper
105 100
120 50.9 23.8 71.5

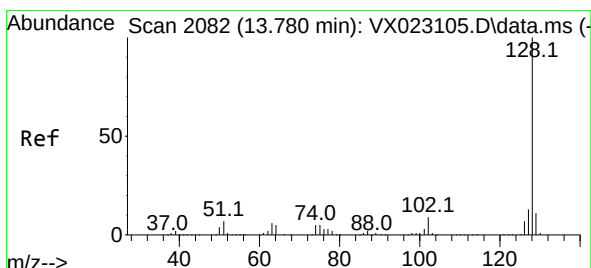
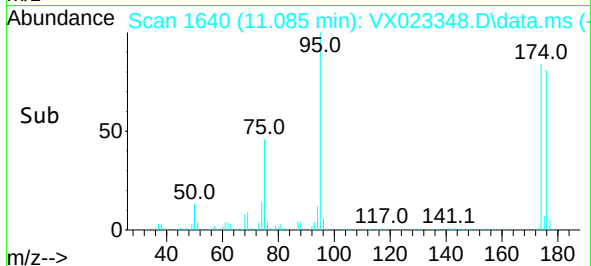
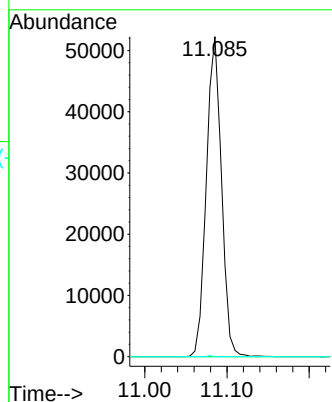
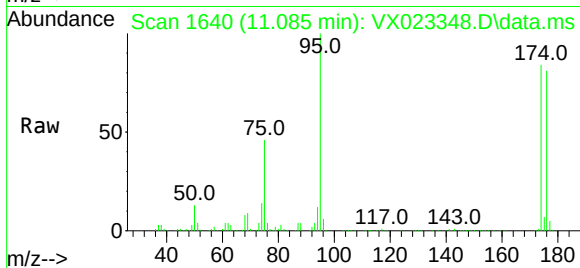




#81
trans-1,4-Dichloro-2-butene
Concen: 66.030 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#13

Tgt Ion: 75 Resp: 66856
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.293 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023348.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 128 Resp: 186
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 15.6 8.8 13.2#

