

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023337.D
 Acq On : 19 Jul 2021 13:22
 Operator : JC/MD
 Sample : PB137749ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#01

Quant Time: Jul 20 05:24:09 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)

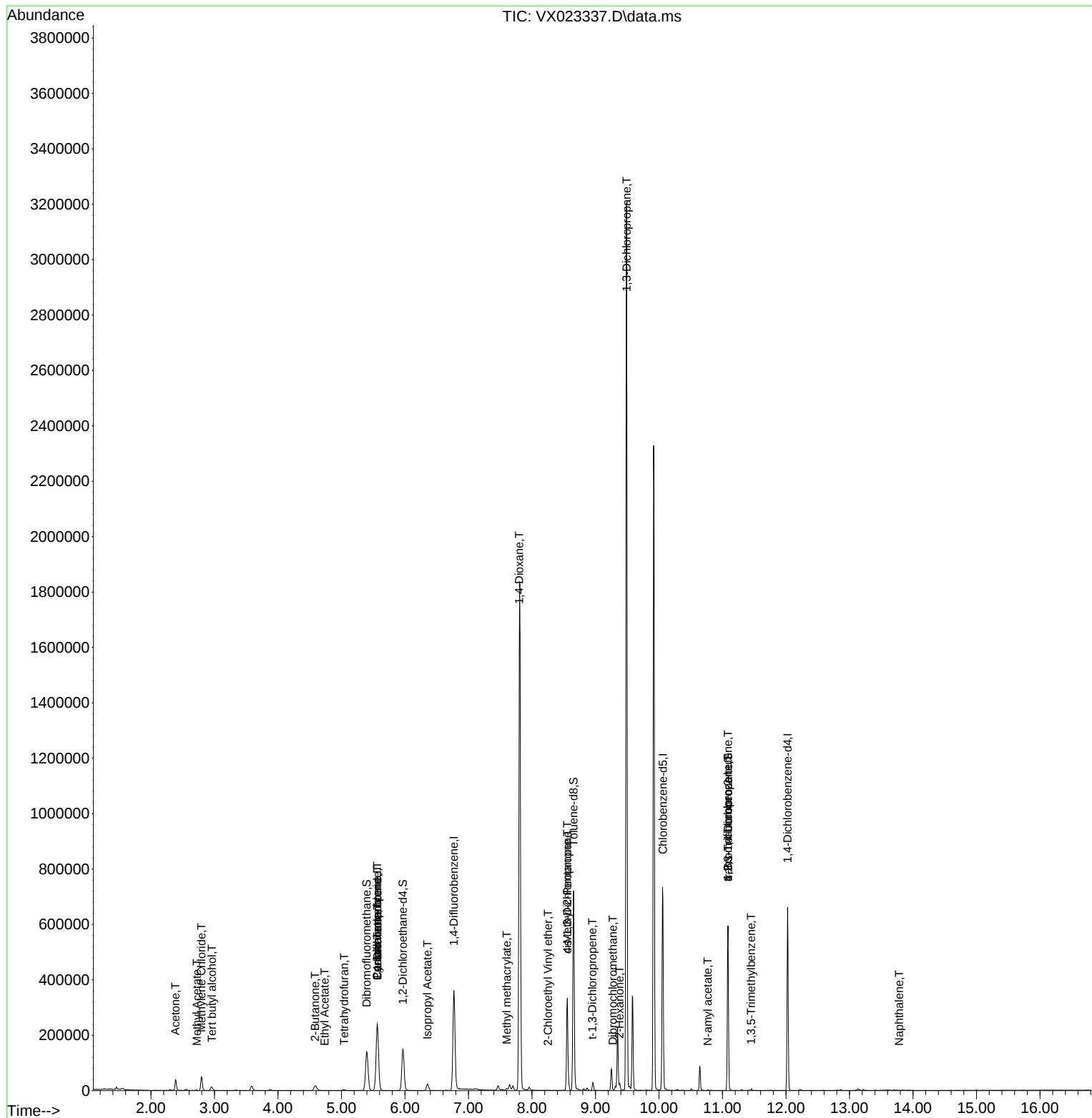
Internal Standards						
1) Pentafluorobenzene	5.562	168	217789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355328	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	326597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	154845	52.901	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.800%			
35) Dibromofluoromethane	5.397	113	118777	51.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	8.653	98	433418	50.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.085	95	155825	47.158	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	362	Below Cal	#	56
11) Tert butyl alcohol	2.959	59	8457	13.734	ug/l #	80
16) Acetone	2.386	43	41369	35.723	ug/l	91
18) Methyl Acetate	2.721	43	1512	0.538	ug/l	100
20) Methylene Chloride	2.794	84	22057	8.847	ug/l #	89
25) 2-Butanone	4.587	43	7739	4.432	ug/l #	81
29) Tetrahydrofuran	5.044	42	2538	2.261	ug/l	90
31) Cyclohexane	5.562	56	4595	1.311	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	17625	5.564	ug/l #	49
37) Ethyl Acetate	4.733	43	813	0.235	ug/l #	64
38) Carbon Tetrachloride	5.562	117	23240	7.029	ug/l #	16
43) Isopropyl Acetate	6.355	43	31941	5.557	ug/l	94
48) Methyl methacrylate	7.604	41	8281	2.936	ug/l #	10
49) 1,4-Dioxane	7.799	88	284	4.474	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	115829	32.521	ug/l #	45
53) t-1,3-Dichloropropene	8.952	75	79	2.755	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	51295	14.081	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	28825	6.977	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.251	63	19	4.699	ug/l #	45
59) 2-Hexanone	9.378	43	11403	4.173	ug/l #	19
60) Dibromochloromethane	9.275	129	46	3.128	ug/l #	11
74) N-amyl acetate	10.768	43	970	0.243	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	79781	29.670	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2422	0.299	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	79781	79.717	ug/l #	12
95) Naphthalene	13.780	128	364	1.311	ug/l #	69

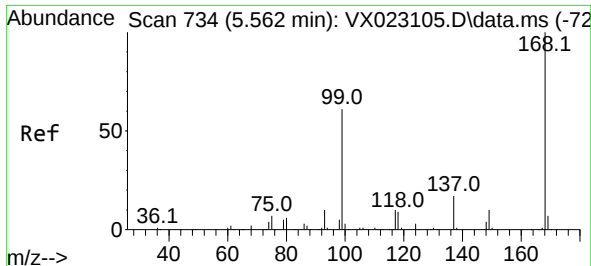
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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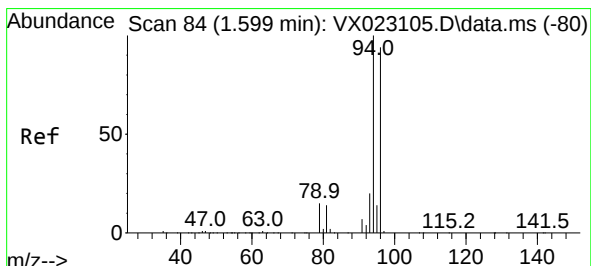
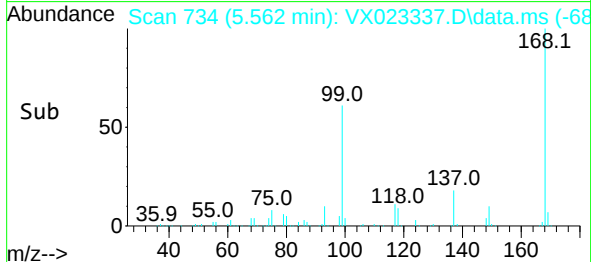
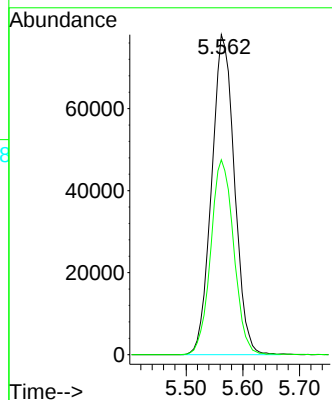
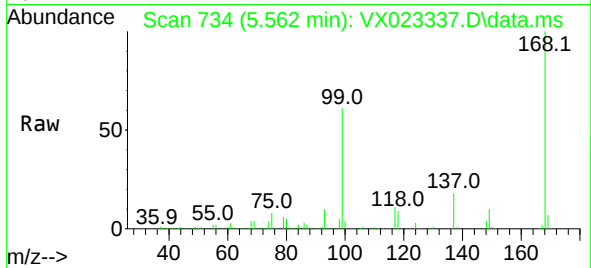




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

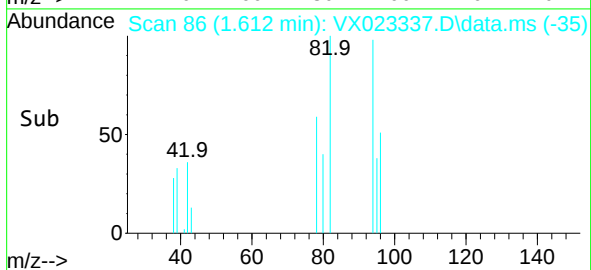
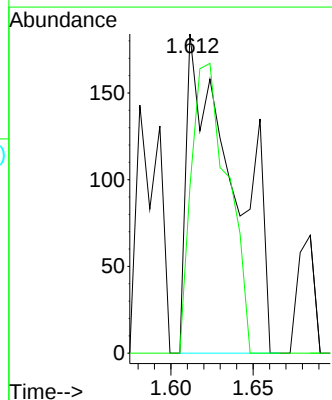
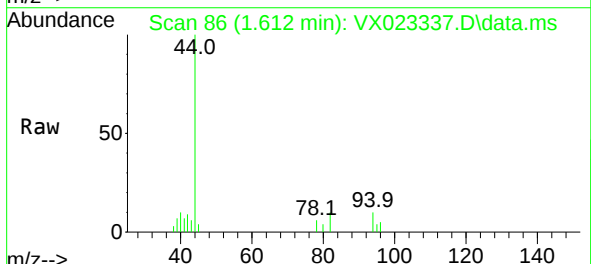
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

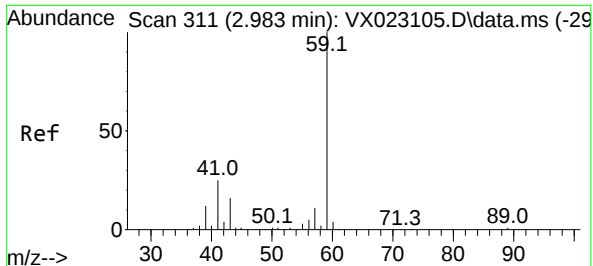
Tgt Ion:168 Resp: 217789
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 52.2 76.4 114.6#



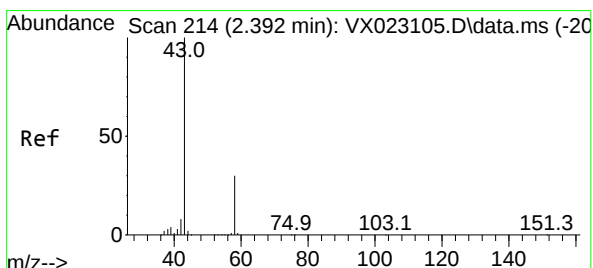
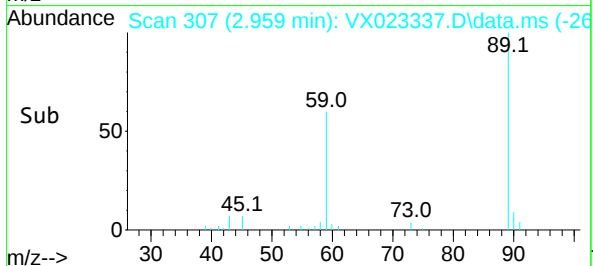
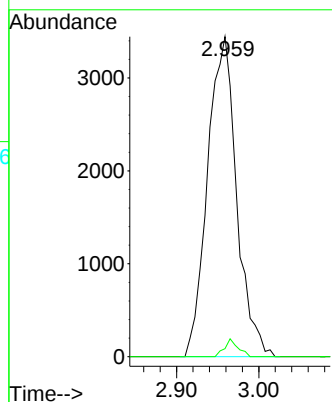
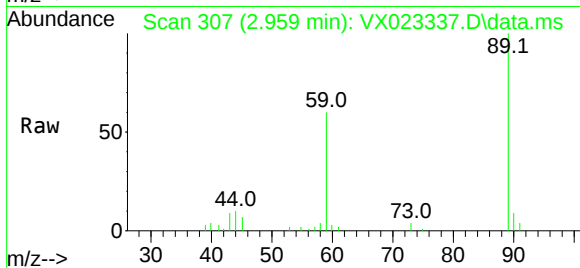


#11

Tert butyl alcohol
Concen: 13.734 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

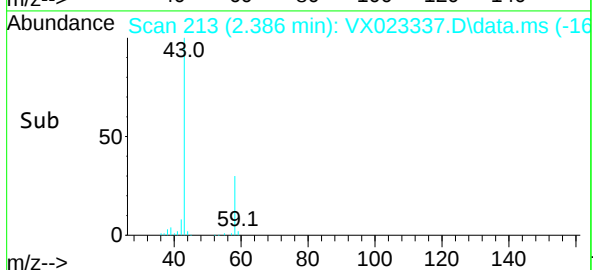
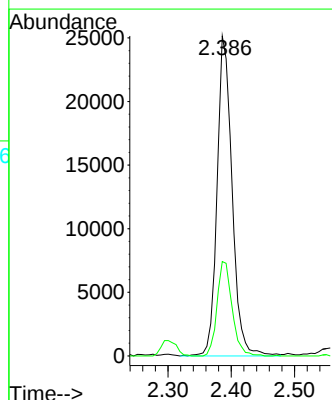
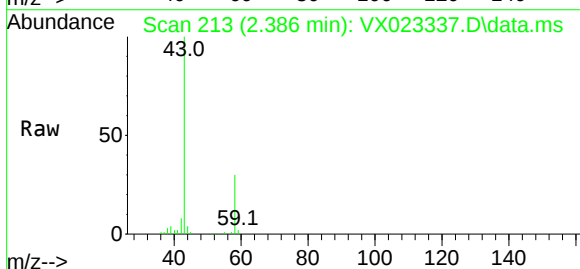
Tgt Ion: 59 Resp: 8457
Ion Ratio Lower Upper
59 100
57 2.6 7.8 11.8#

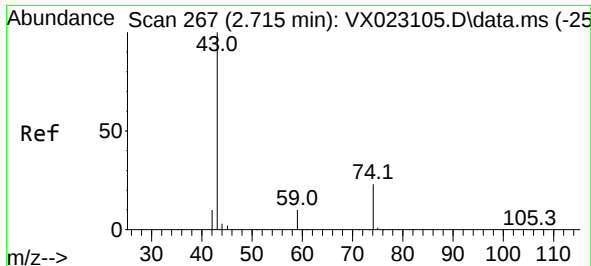


#16

Acetone
Concen: 35.723 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 43 Resp: 41369
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8

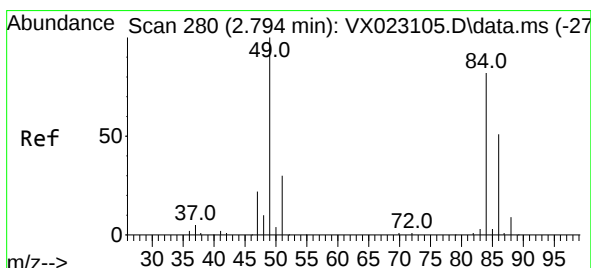
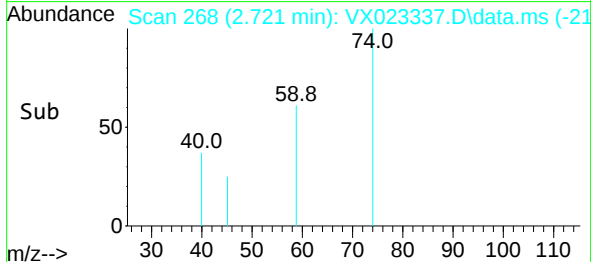
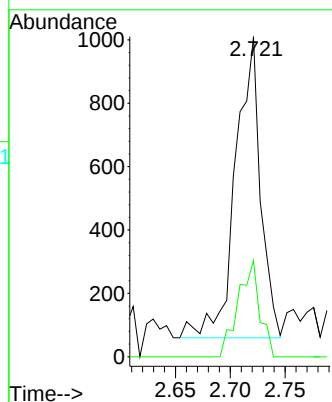
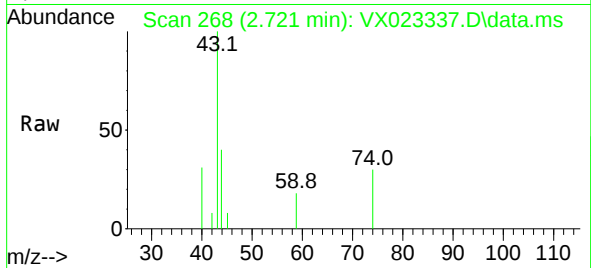




#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

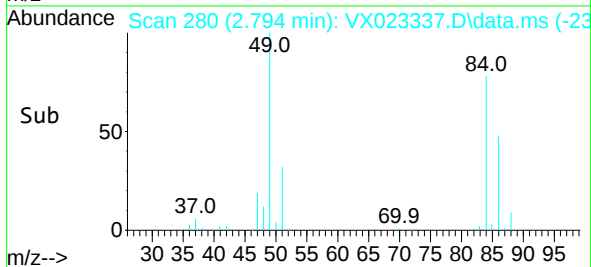
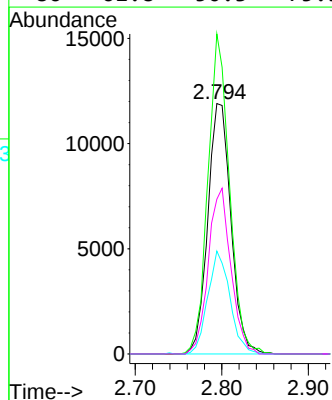
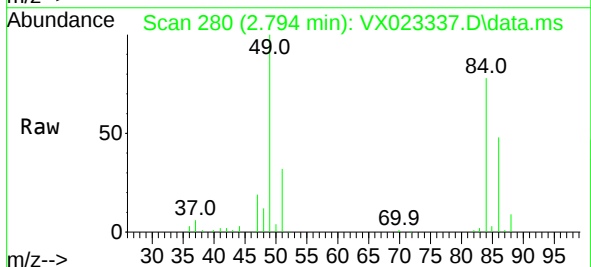
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

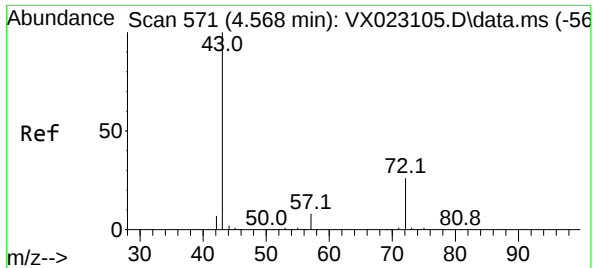
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
74 27.5 21.9 32.9



#20
Methylene Chloride
Concen: 8.847 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 84 Resp: 22057
Ion Ratio Lower Upper
84 100
49 127.8 88.6 132.8
51 41.1 27.0 40.6#
86 61.8 50.3 75.5

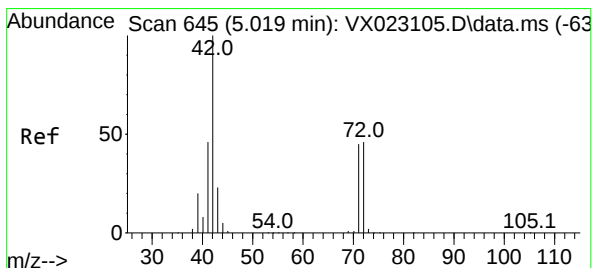
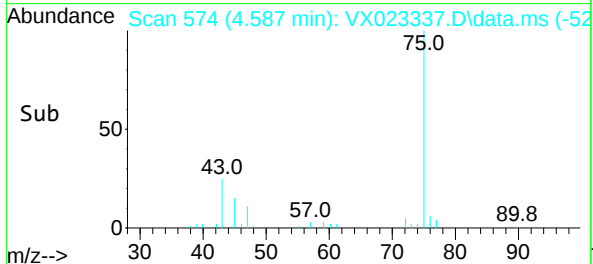
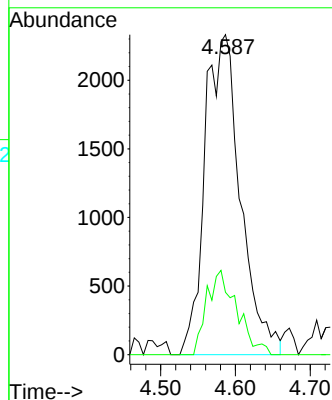
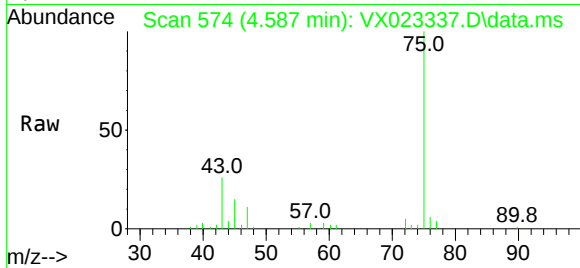




#25
2-Butanone
Concen: 4.432 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

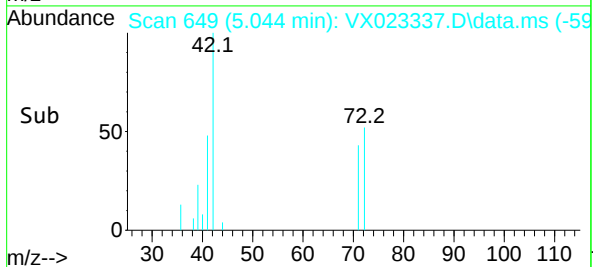
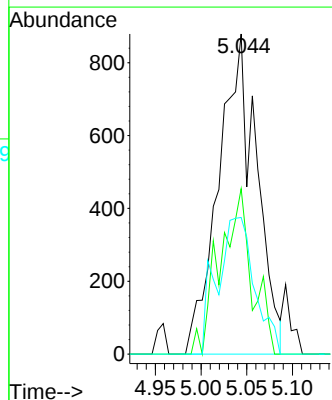
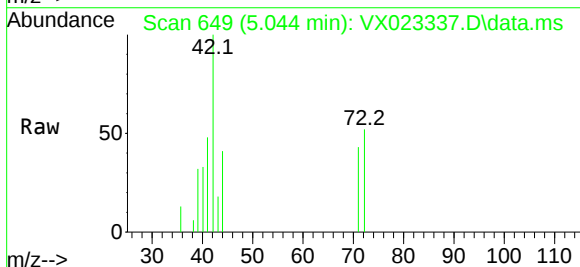
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

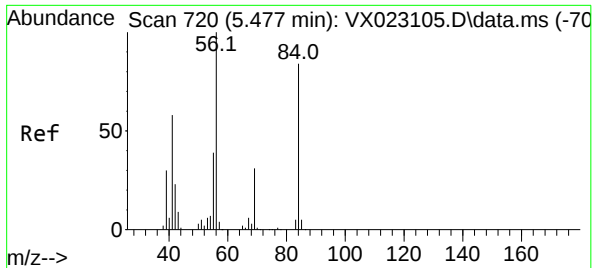
Tgt Ion: 43 Resp: 7739
Ion Ratio Lower Upper
43 100
72 19.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 2.261 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

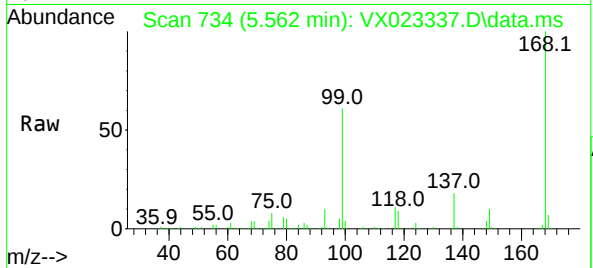
Tgt Ion: 42 Resp: 2538
Ion Ratio Lower Upper
42 100
72 43.6 41.7 62.5
71 42.2 38.4 57.6



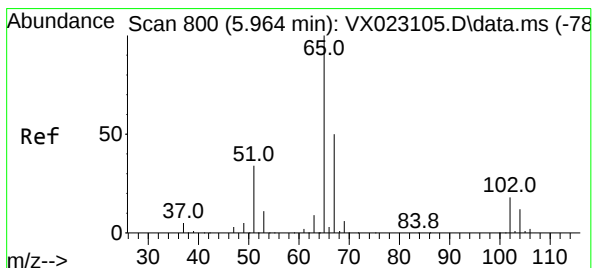
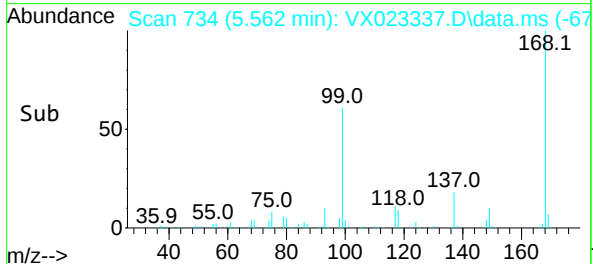
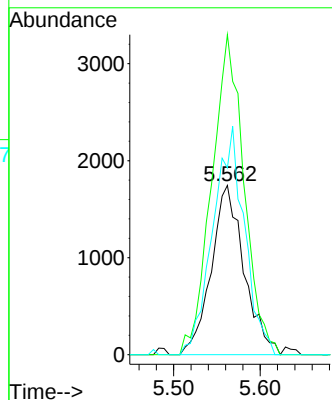


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

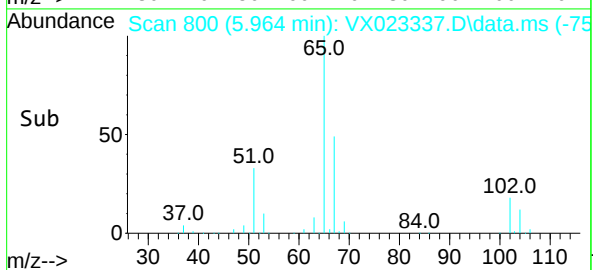
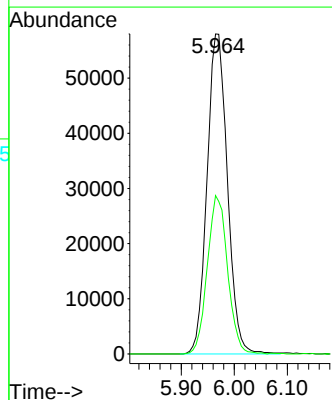
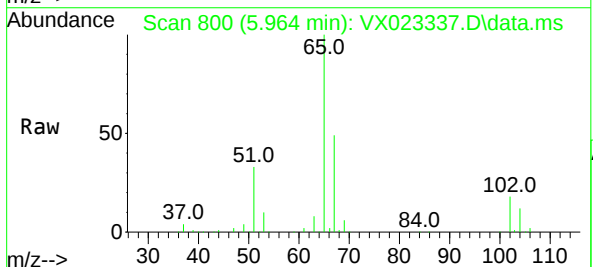


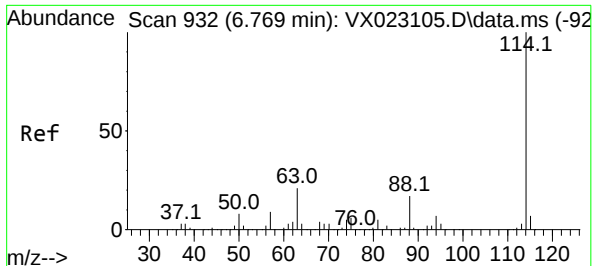
Tgt Ion: 56 Resp: 4595
Ion Ratio Lower Upper
56 100
69 189.1 25.3 37.9#
84 110.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.901 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 65 Resp: 154845
Ion Ratio Lower Upper
65 100
67 49.2 0.0 105.4

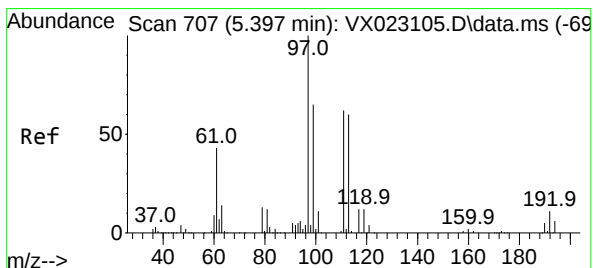
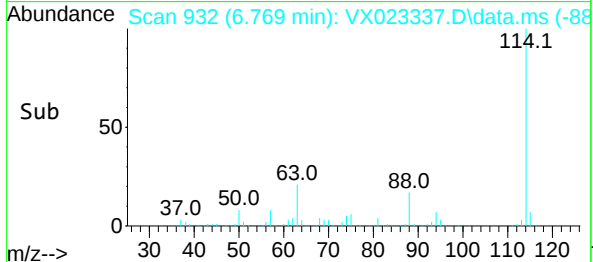
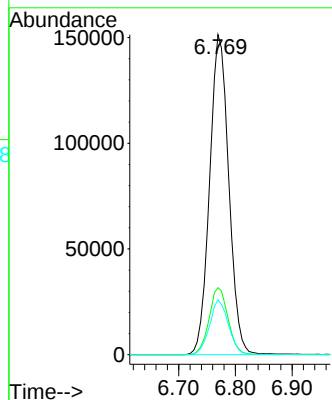
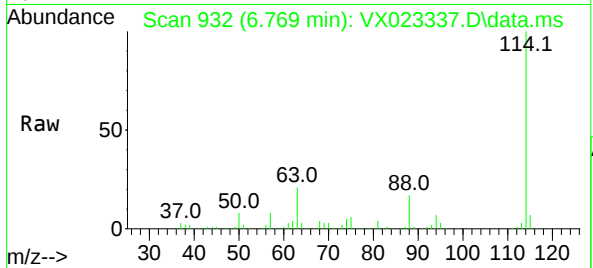




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

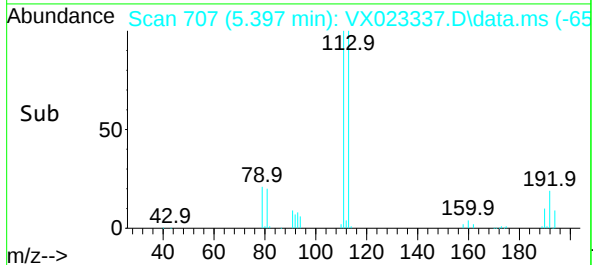
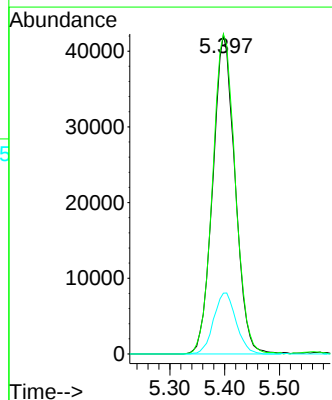
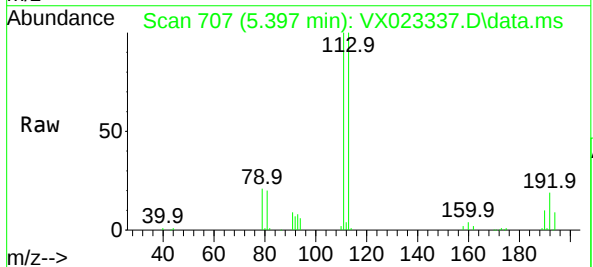
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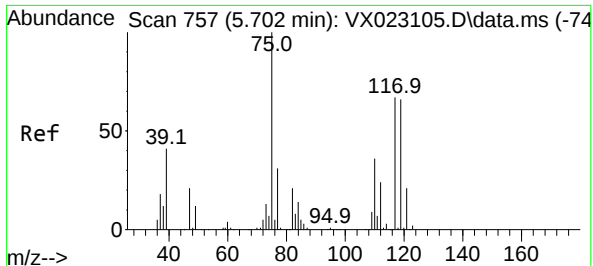
Tgt Ion:114 Resp: 355328
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.765 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion:113 Resp: 118777
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.3 16.7 25.1

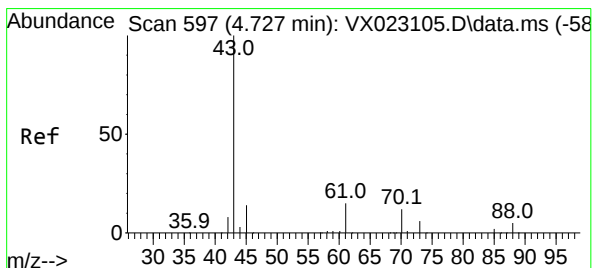
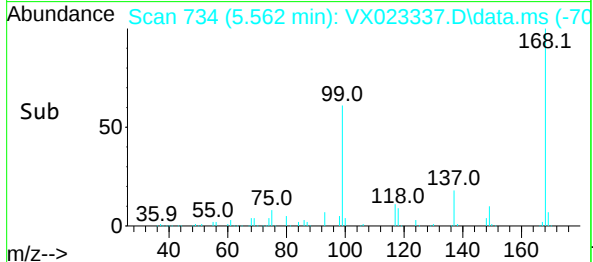
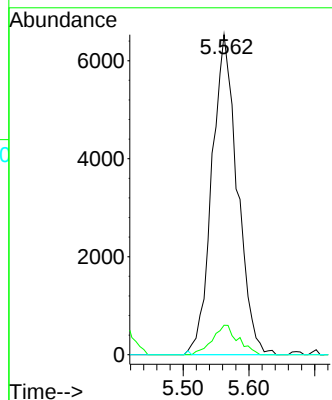
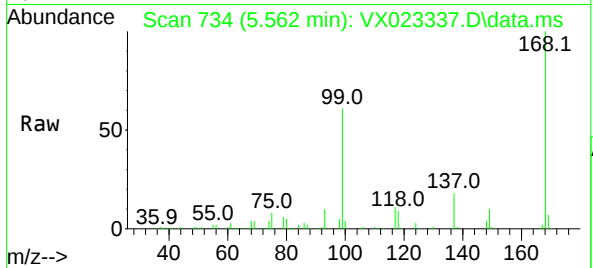




#36
1,1-Dichloropropene
Concen: 5.564 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

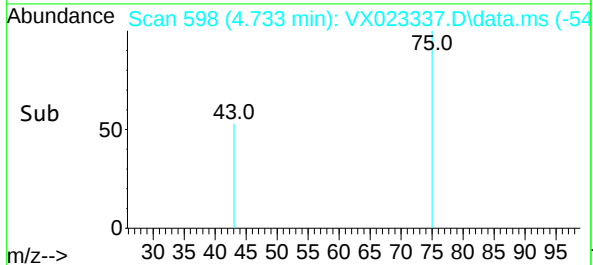
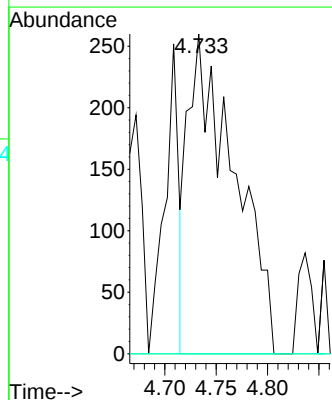
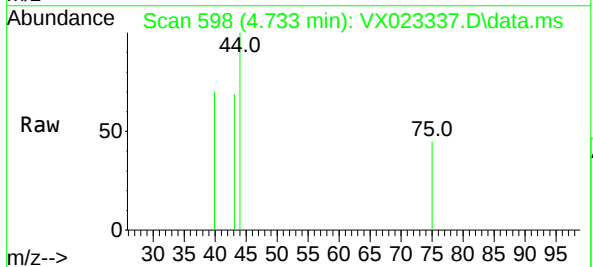
Instrument :
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ClientSampleId :
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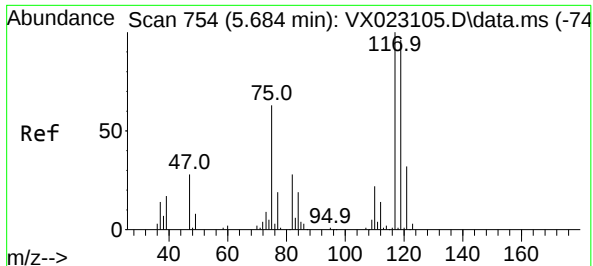
Tgt Ion: 75 Resp: 17625
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.235 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

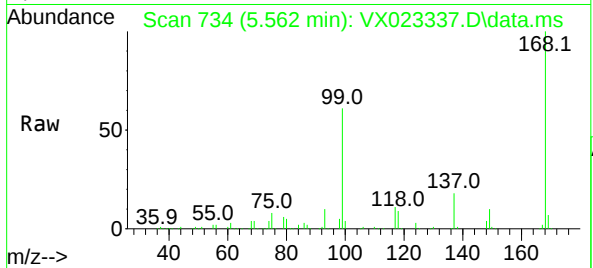
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



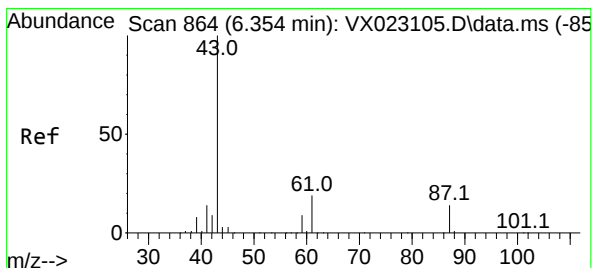
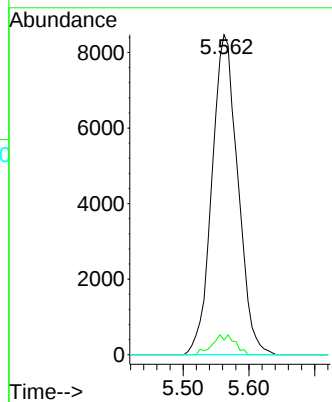
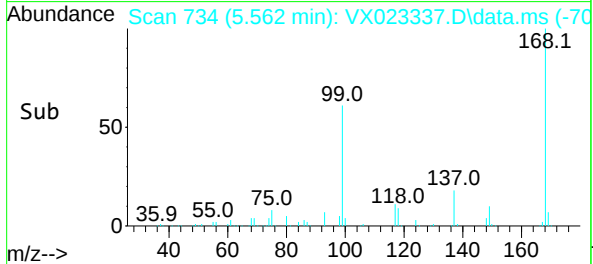


#38
Carbon Tetrachloride
Concen: 7.029 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

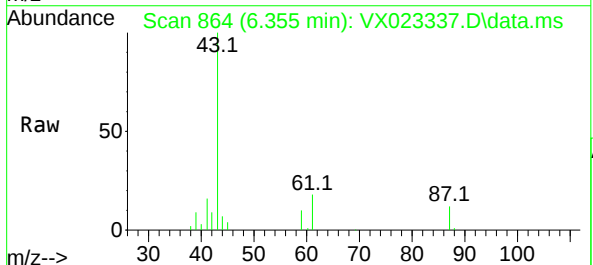
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01



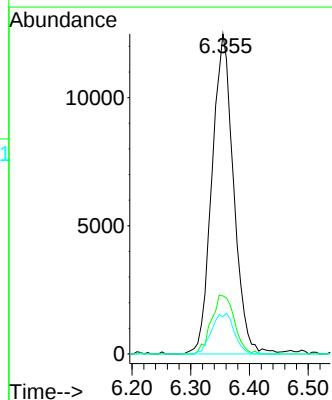
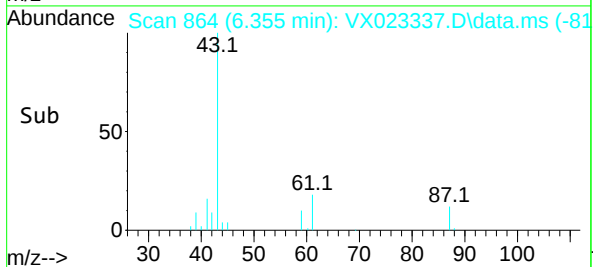
Tgt Ion:117 Resp: 23240
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

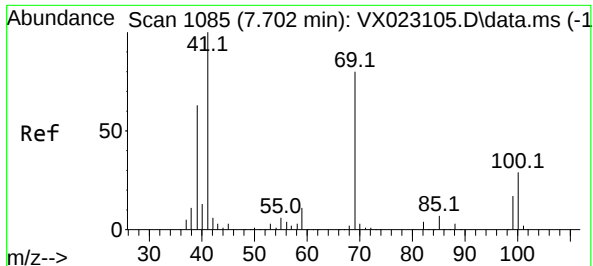


#43
Isopropyl Acetate
Concen: 5.557 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22



Tgt Ion: 43 Resp: 31941
Ion Ratio Lower Upper
43 100
61 19.5 18.2 27.4
87 13.2 12.5 18.7





#48

Methyl methacrylate

Concen: 2.936 ug/l

RT: 7.604 min Scan# 1069

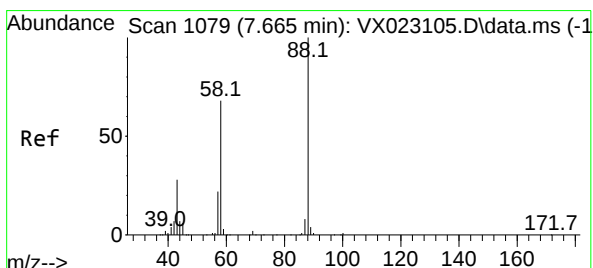
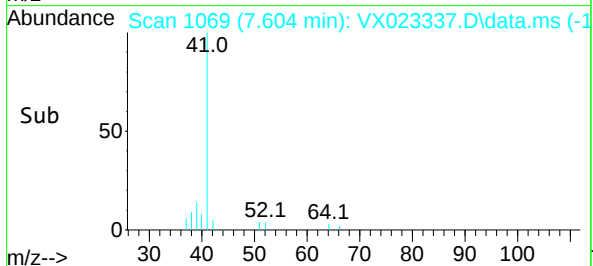
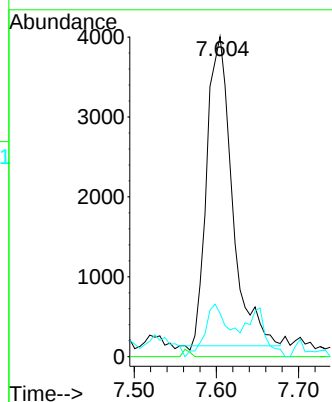
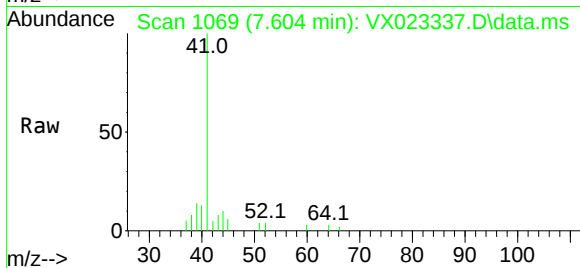
Delta R.T. -0.098 min

Lab File: VX023337.D

Acq: 19 Jul 2021 13:22

Tgt Ion:	41	Resp:	8281
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01



#49

1,4-Dioxane

Concen: 4.474 ug/l

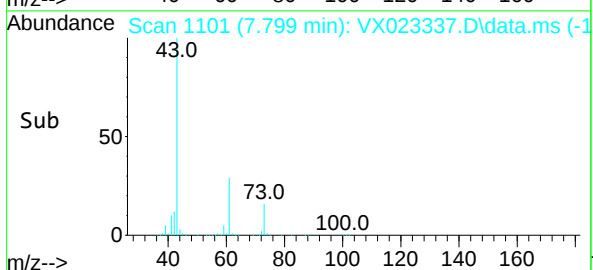
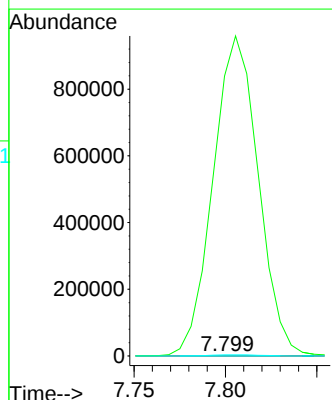
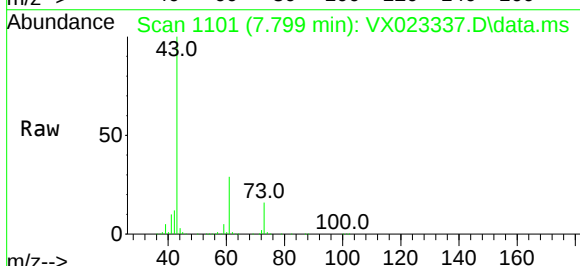
RT: 7.799 min Scan# 1101

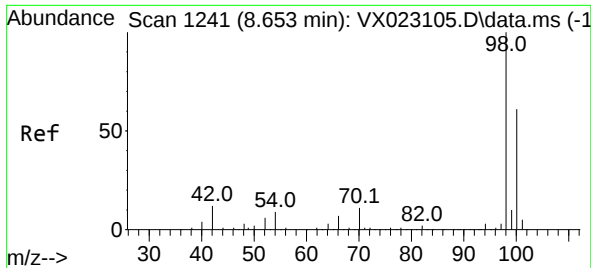
Delta R.T. 0.134 min

Lab File: VX023337.D

Acq: 19 Jul 2021 13:22

Tgt Ion:	88	Resp:	284
Ion	Ratio	Lower	Upper
88	100		
43	584782.7	23.2	34.8#
58	2356.0	55.0	82.4#

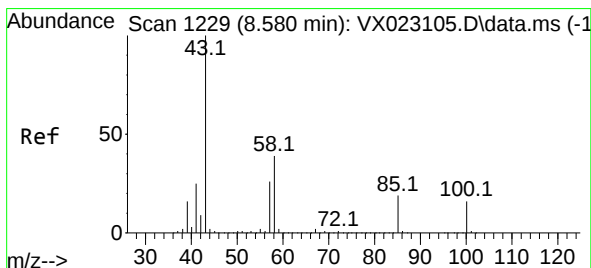
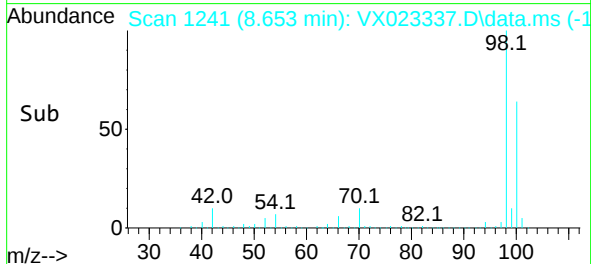
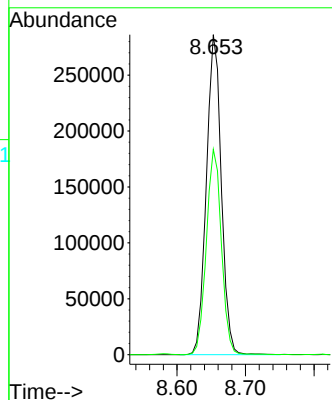
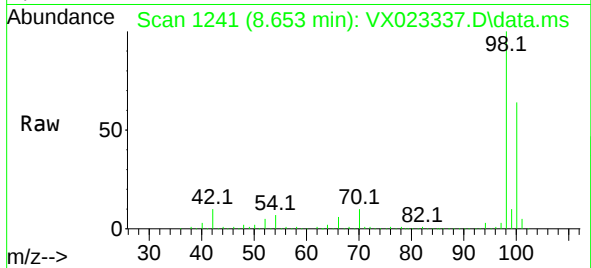




#50
Toluene-d8
Concen: 50.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

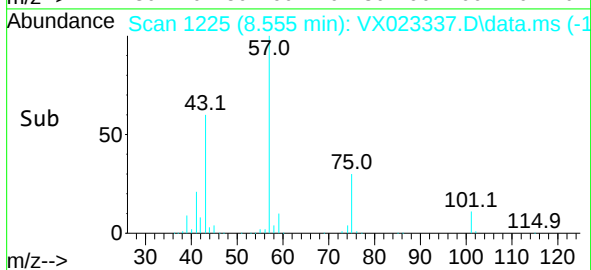
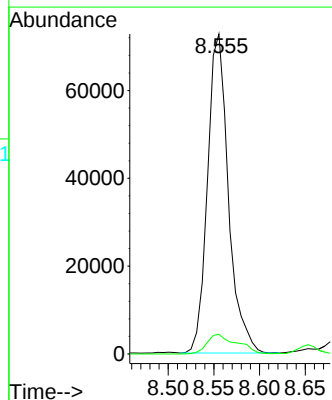
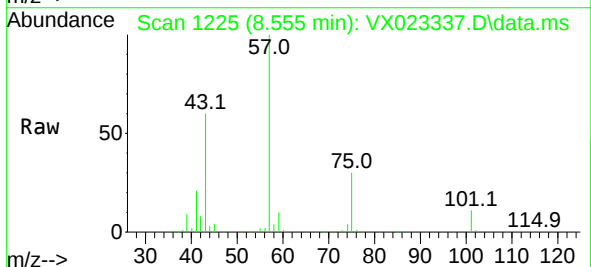
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

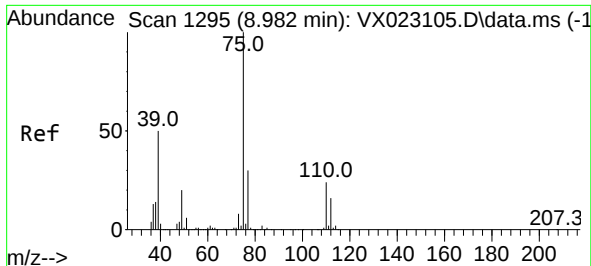
Tgt Ion: 98 Resp: 433418
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.521 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 43 Resp: 115829
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

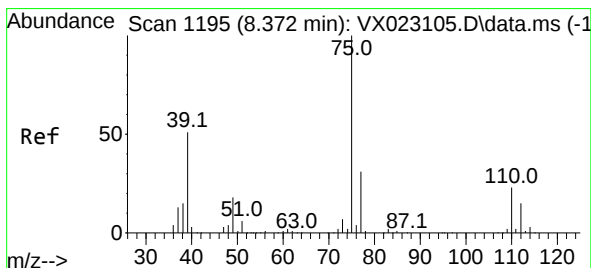
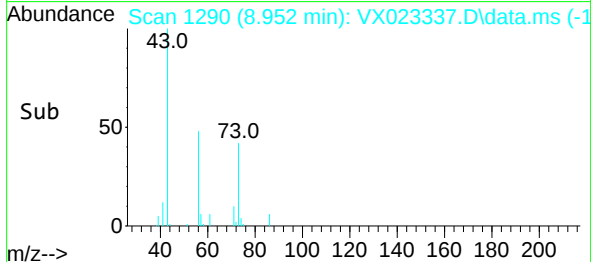
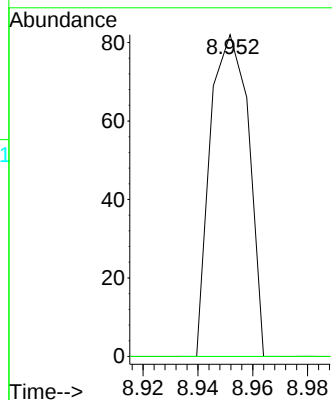
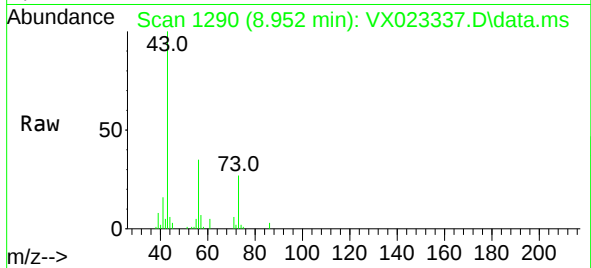




#53
 t-1,3-Dichloropropene
 Concen: 2.755 ug/l
 RT: 8.952 min Scan# 1290
 Delta R.T. -0.030 min
 Lab File: VX023337.D
 Acq: 19 Jul 2021 13:22

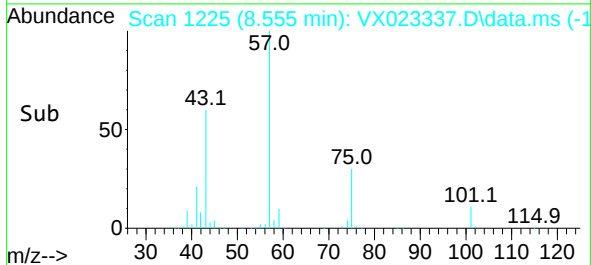
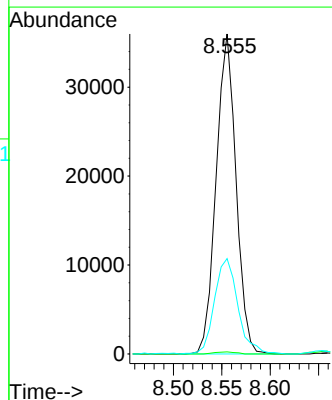
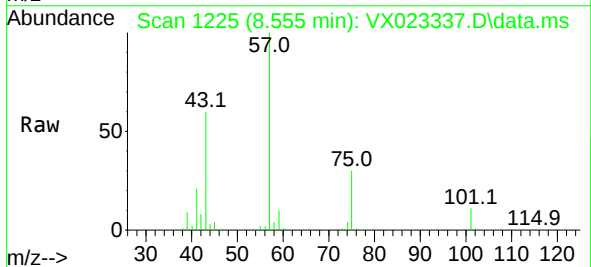
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#01

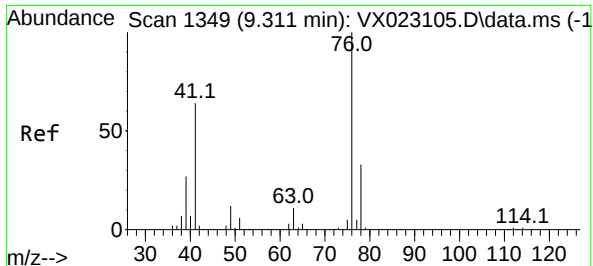
Tgt Ion: 75 Resp: 79
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.081 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023337.D
 Acq: 19 Jul 2021 13:22

Tgt Ion: 75 Resp: 51295
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 29.8 35.1 52.7#



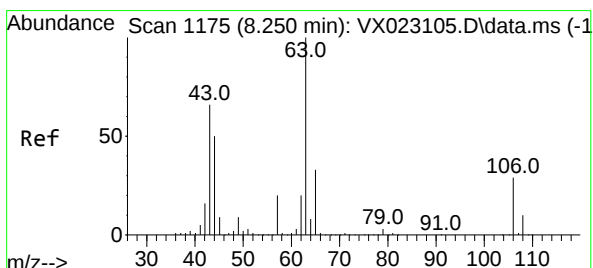
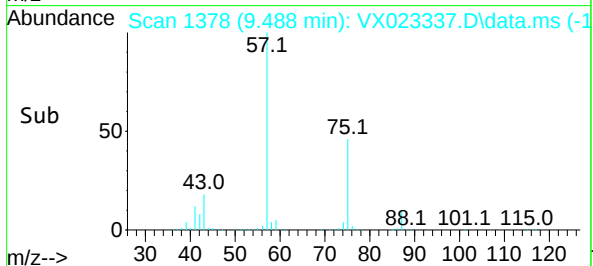
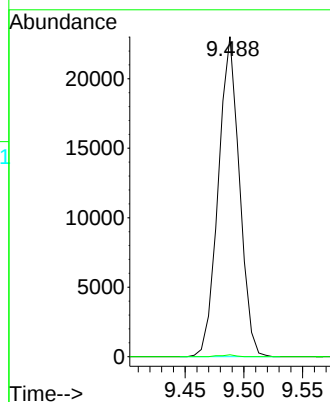
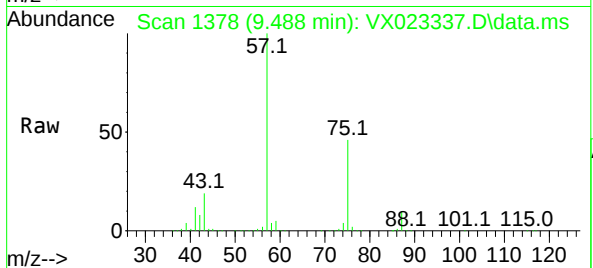


#57

1,3-Dichloropropane
Concen: 6.977 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

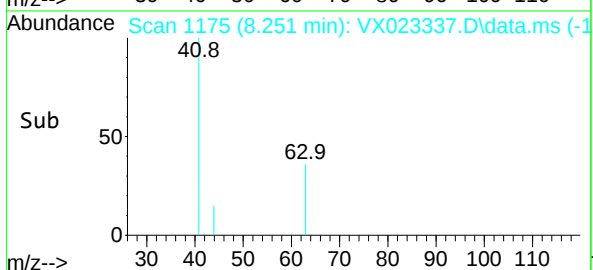
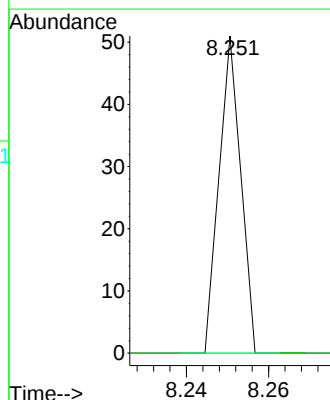
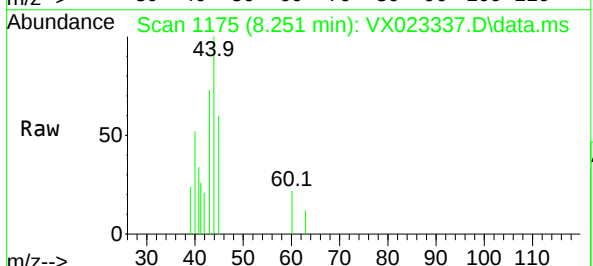
Tgt Ion: 76 Resp: 28825
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

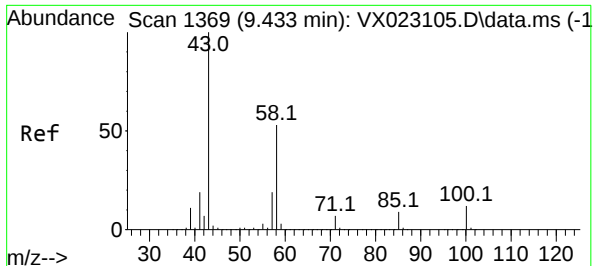


#58

2-Chloroethyl Vinyl ether
Concen: 4.699 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.001 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

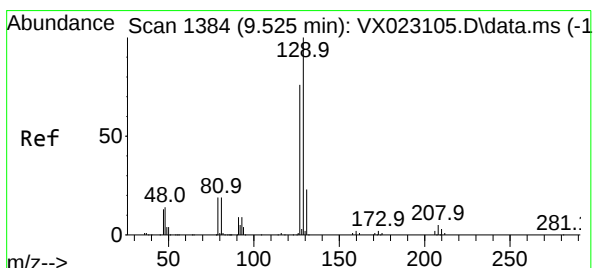
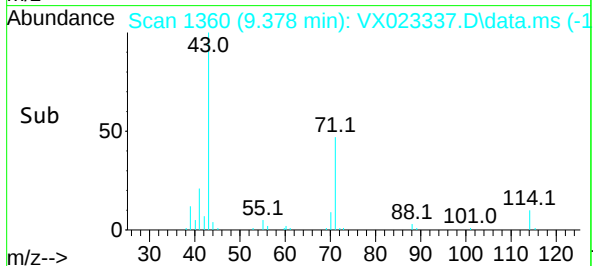
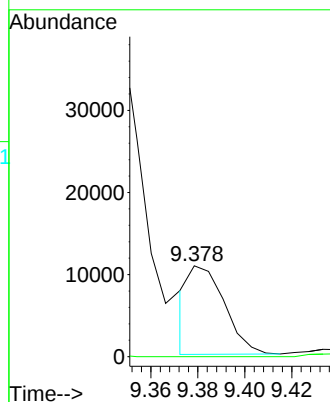
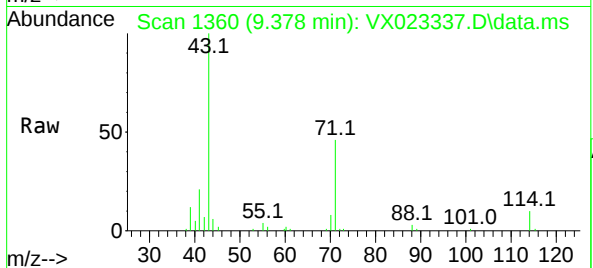




#59
2-Hexanone
Concen: 4.173 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

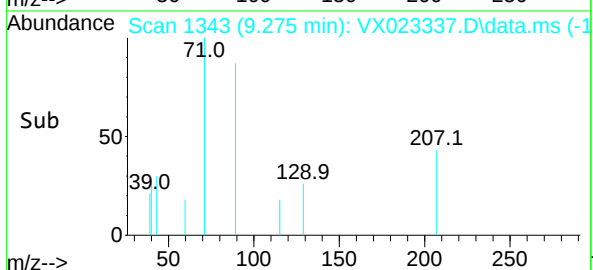
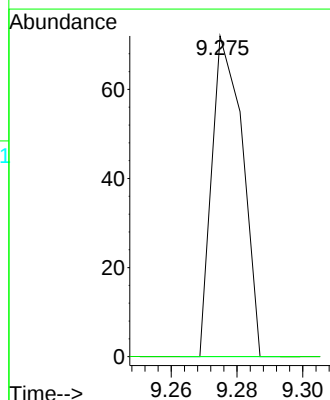
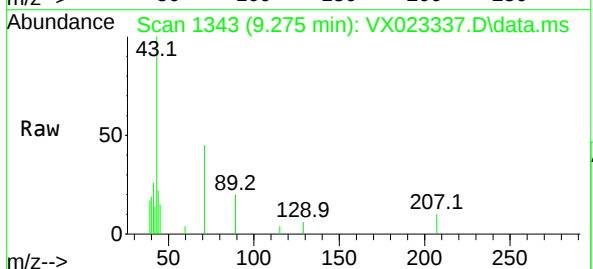
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

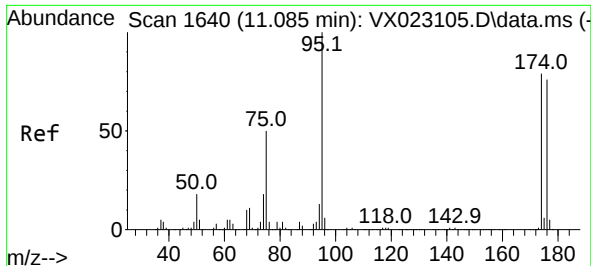
Tgt Ion: 43 Resp: 11403
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.128 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 129 Resp: 46
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

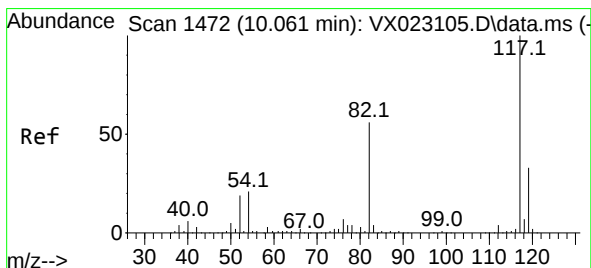
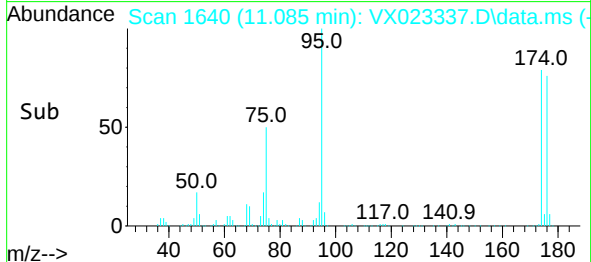
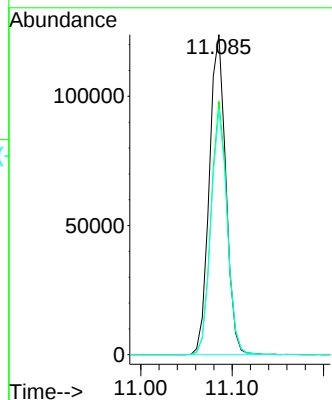
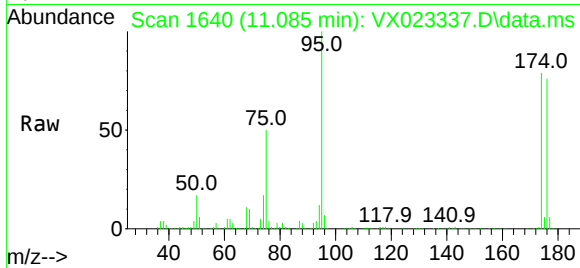




#62
4-Bromofluorobenzene
Concen: 47.158 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

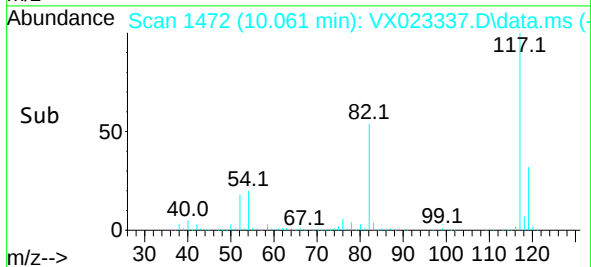
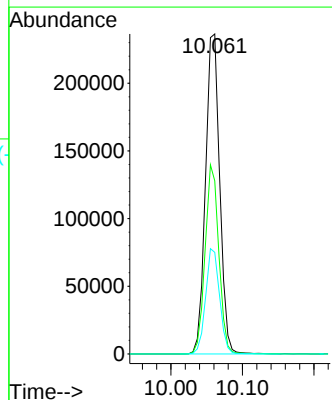
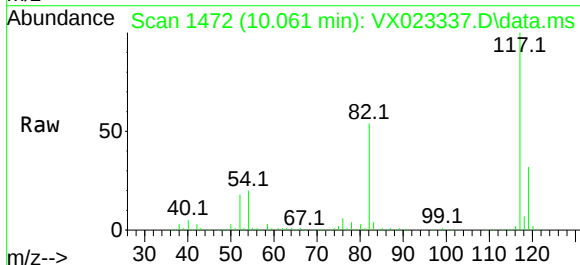
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

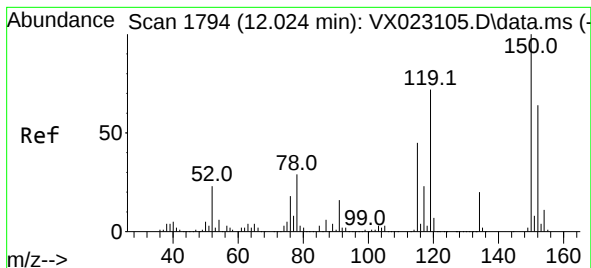
Tgt Ion: 95 Resp: 155825
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 75.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 117 Resp: 326597
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 31.7 26.6 39.8

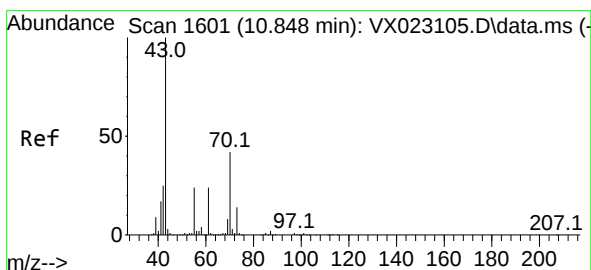
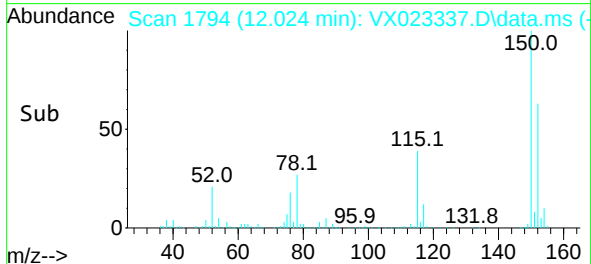
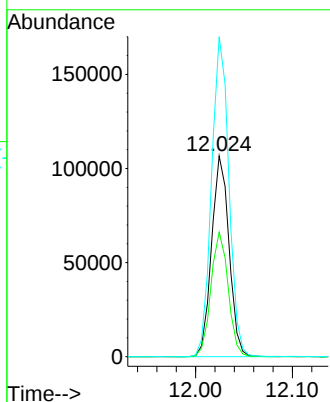
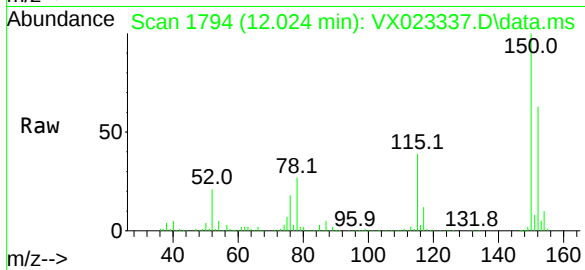




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

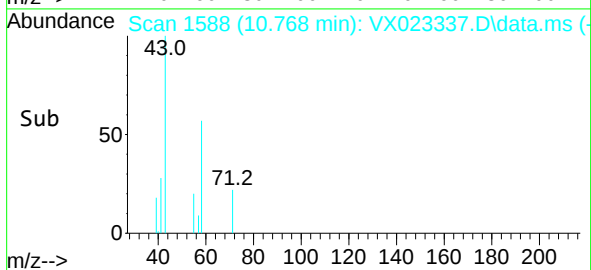
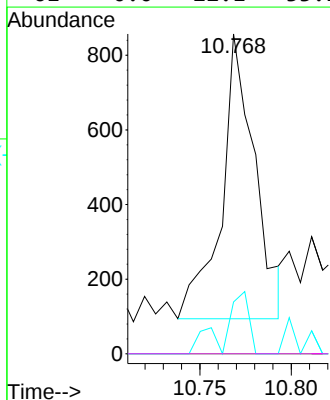
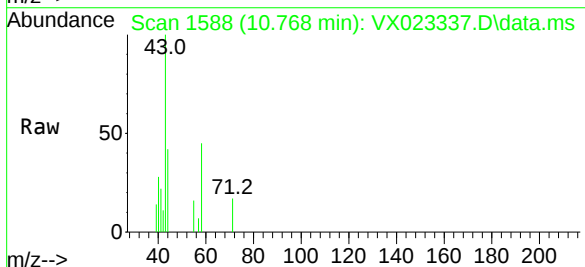
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

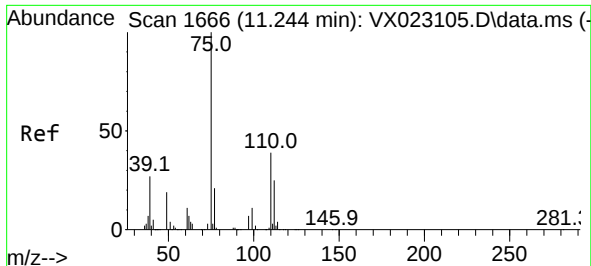
Tgt Ion:152 Resp: 133623
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 158.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.243 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 16.4 21.5 32.3#
61 0.0 22.1 33.1#

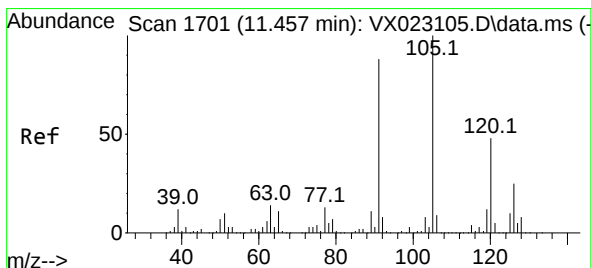
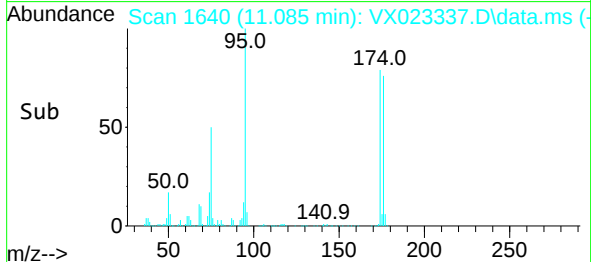
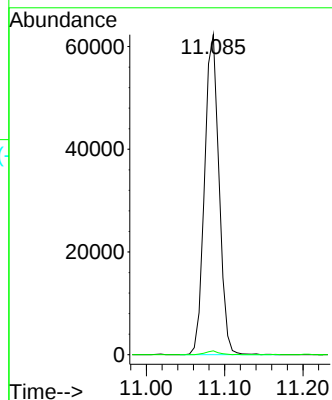
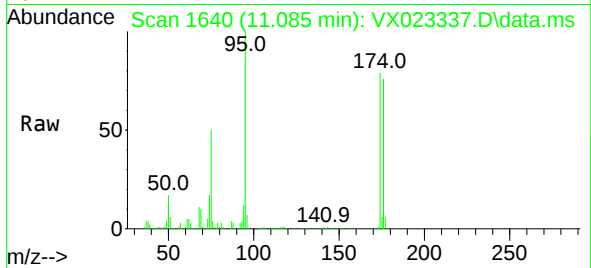




#76
1,2,3-Trichloropropane
Concen: 29.670 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

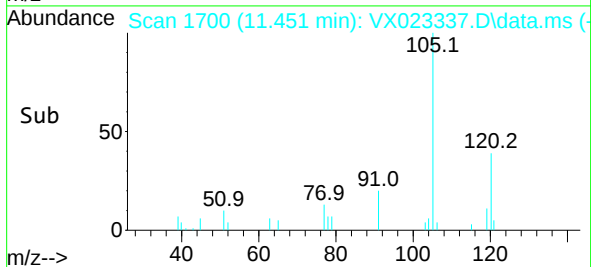
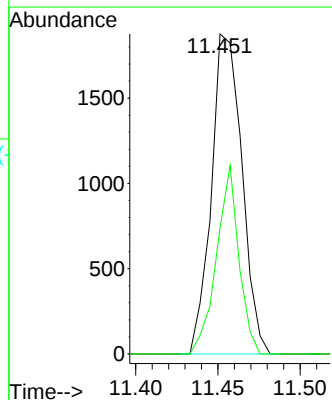
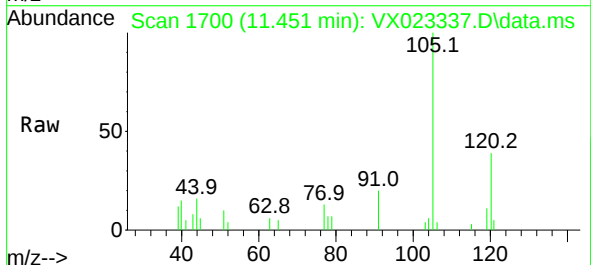
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

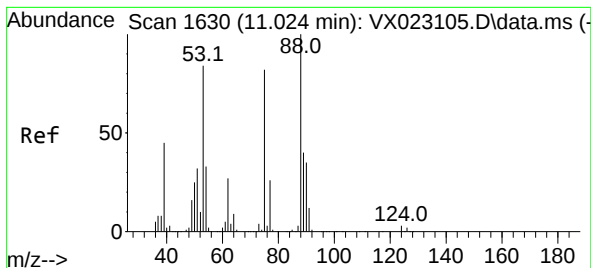
Tgt Ion: 75 Resp: 79781
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.299 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 105 Resp: 2422
Ion Ratio Lower Upper
105 100
120 43.1 23.8 71.5

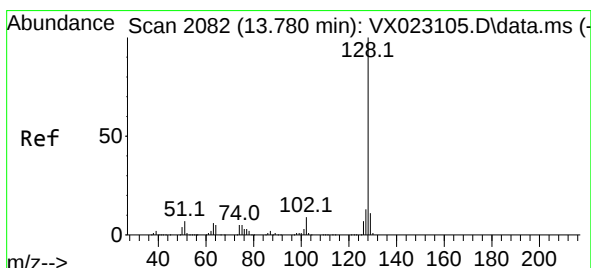
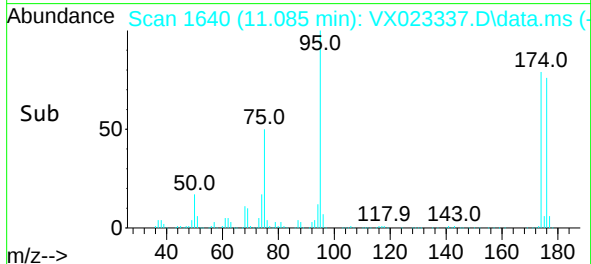
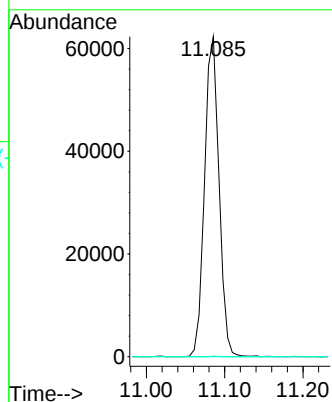
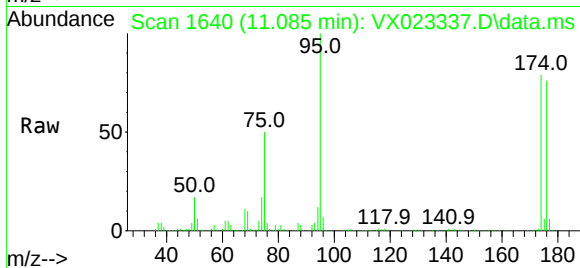




#81
trans-1,4-Dichloro-2-butene
Concen: 79.717 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#01

Tgt Ion: 75 Resp: 79781
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.311 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023337.D
Acq: 19 Jul 2021 13:22

Tgt Ion: 128 Resp: 364
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

