

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023339.D
 Acq On : 19 Jul 2021 14:10
 Operator : JC/MD
 Sample : PB137749ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#03

Quant Time: Jul 20 05:24:44 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)

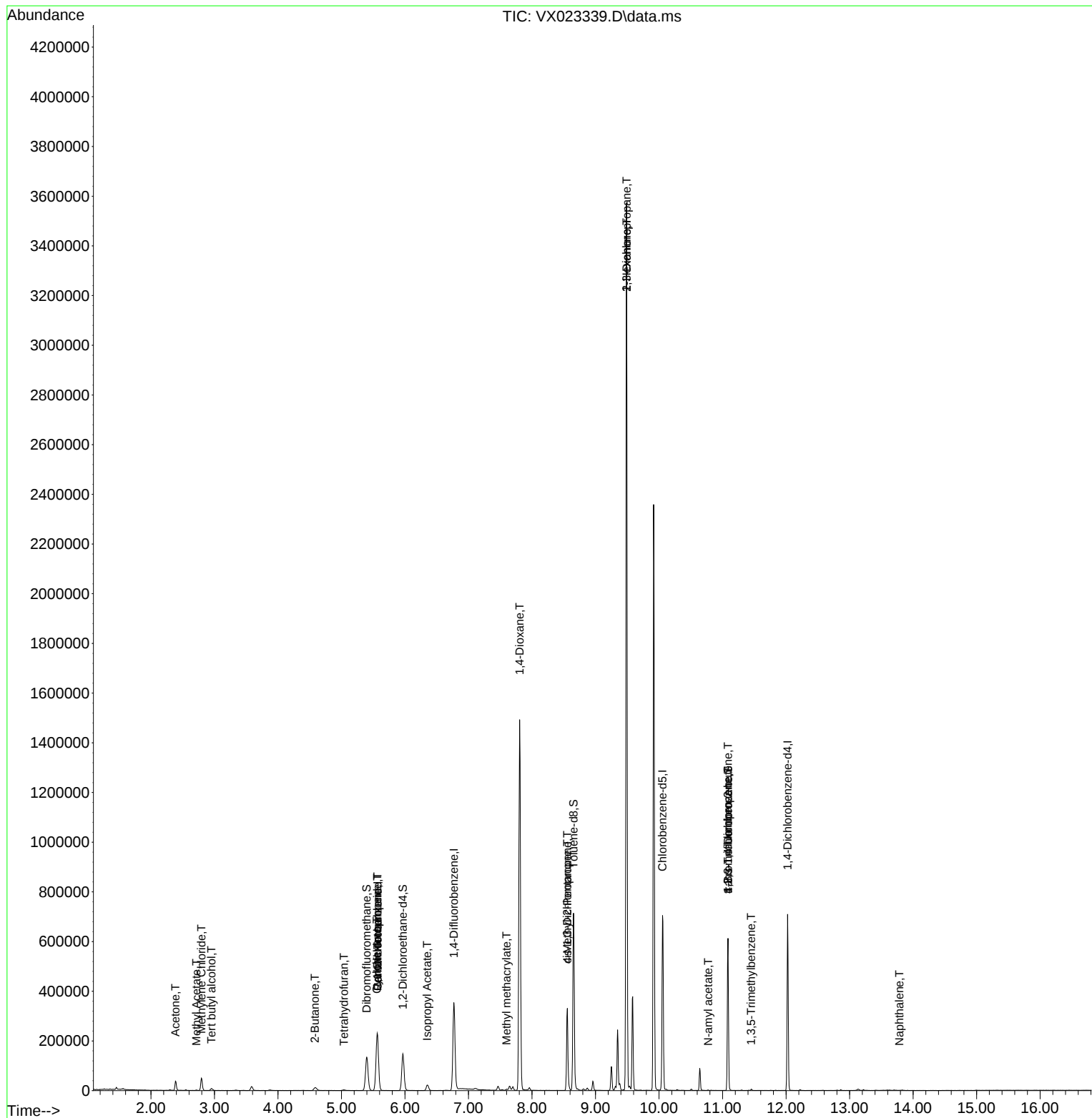
Internal Standards						
1) Pentafluorobenzene	5.568	168	212999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	348371	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	149289	52.150	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.300%			
35) Dibromofluoromethane	5.397	113	114930	51.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.180%			
50) Toluene-d8	8.653	98	418690	49.894	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.085	95	157954	48.757	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.520%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	546	Below Cal		90
11) Tert butyl alcohol	2.953	59	5203	8.639 ug/l #		73
16) Acetone	2.386	43	39435	34.819 ug/l		94
18) Methyl Acetate	2.715	43	2155	0.784 ug/l #		85
20) Methylene Chloride	2.794	84	21981	9.014 ug/l		95
25) 2-Butanone	4.580	43	7137	4.179 ug/l #		85
29) Tetrahydrofuran	5.038	42	2493	2.271 ug/l #		43
31) Cyclohexane	5.556	56	4563	1.331 ug/l #		11
36) 1,1-Dichloropropene	5.562	75	16391	5.278 ug/l #		49
38) Carbon Tetrachloride	5.568	117	22355	6.896 ug/l #		16
43) Isopropyl Acetate	6.348	43	31561	5.601 ug/l		94
48) Methyl methacrylate	7.598	41	6788	2.455 ug/l #		10
49) 1,4-Dioxane	7.805	88	226	3.632 ug/l #		1
51) 4-Methyl-2-Pentanone	8.555	43	114489	32.787 ug/l #		45
54) cis-1,3-Dichloropropene	8.555	75	51273	14.314 ug/l #		65
57) 1,3-Dichloropropane	9.488	76	30274	7.475 ug/l #		43
59) 2-Hexanone	9.488	43	415960	155.252 ug/l #		43
74) N-amyl acetate	10.774	43	1009	0.240 ug/l #		48
76) 1,2,3-Trichloropropane	11.085	75	83144	29.364 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.451	105	2270	0.266 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.085	75	83144	78.943 ug/l #		12
95) Naphthalene	13.786	128	400	1.313 ug/l #		78

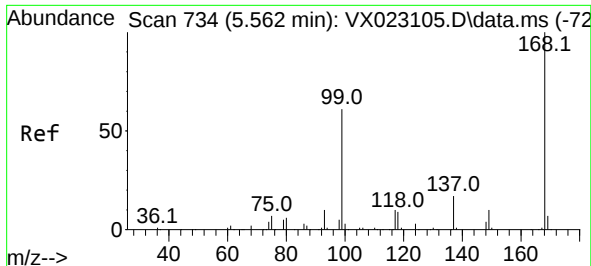
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
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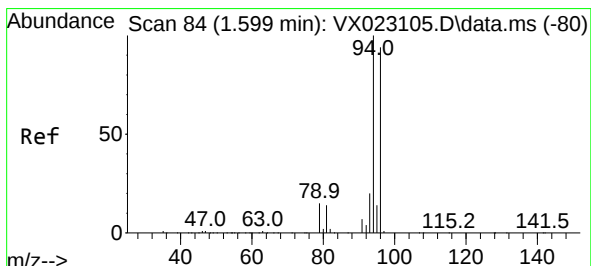
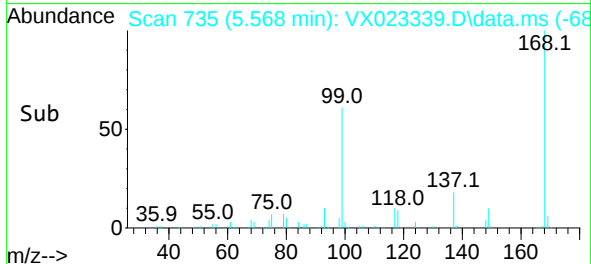
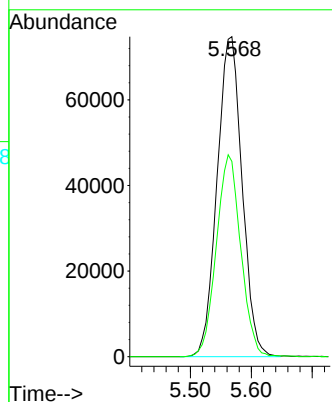
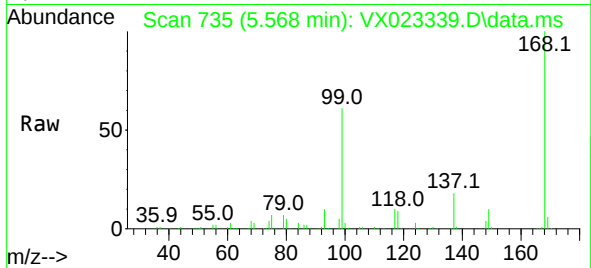




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

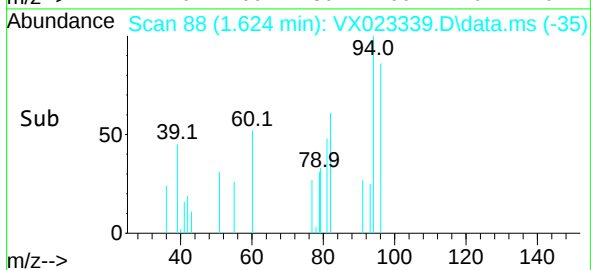
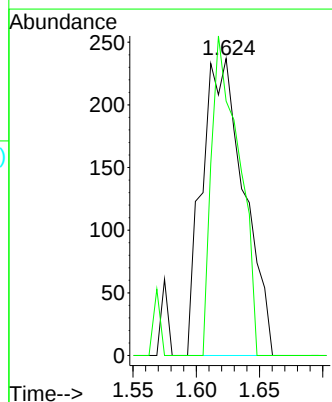
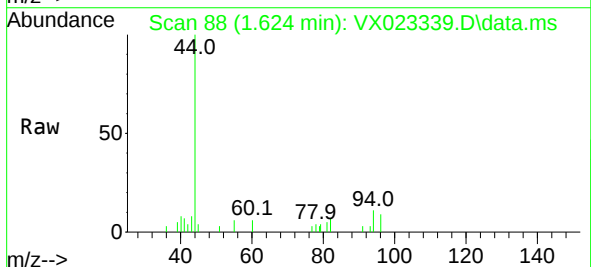
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

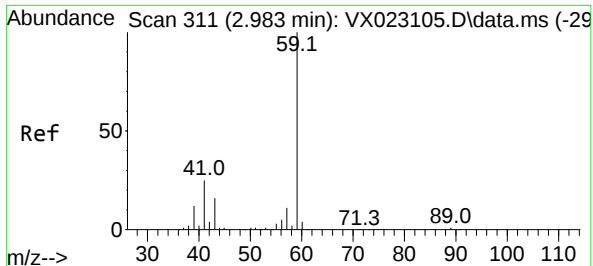
Tgt Ion:168 Resp: 212999
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 85.7 76.4 114.6



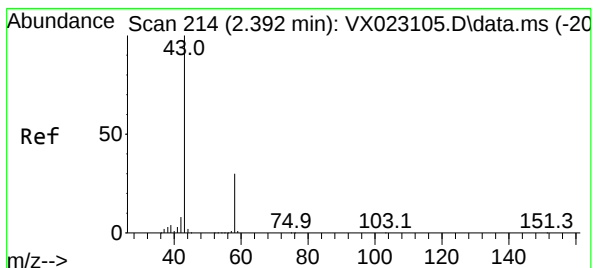
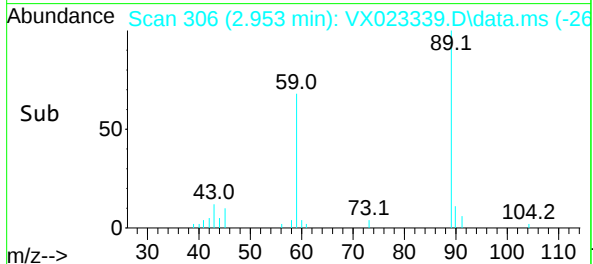
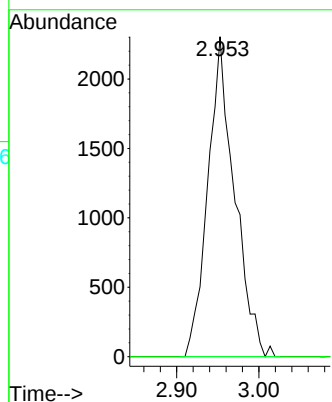
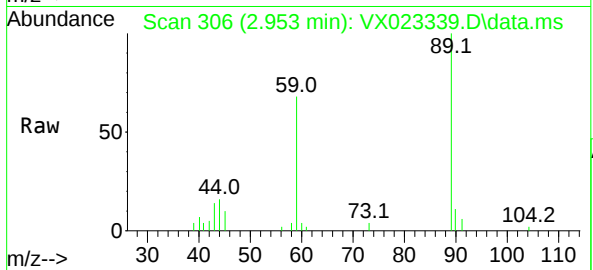


#11

Tert butyl alcohol
Concen: 8.639 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

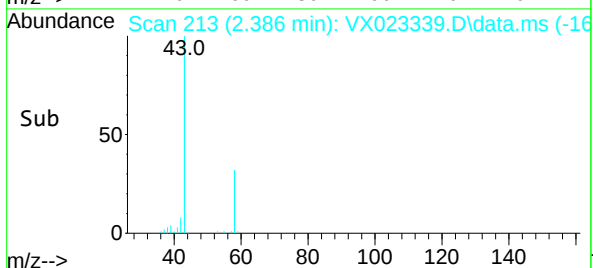
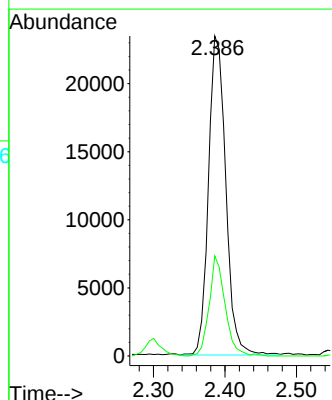
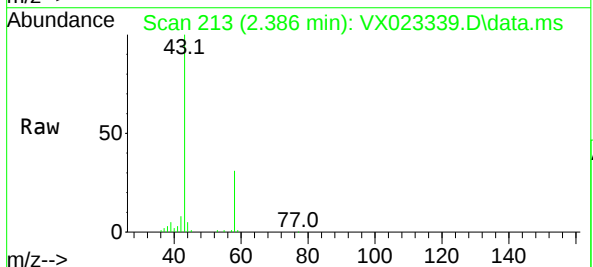
Tgt Ion: 59 Resp: 5203
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

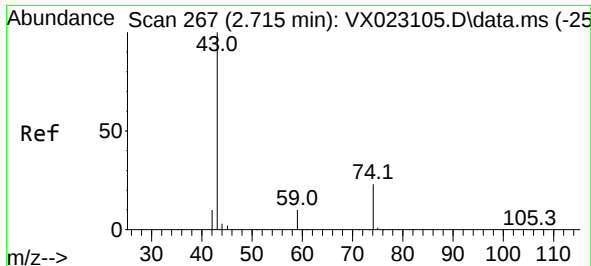


#16

Acetone
Concen: 34.819 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 43 Resp: 39435
Ion Ratio Lower Upper
43 100
58 31.4 27.8 41.8

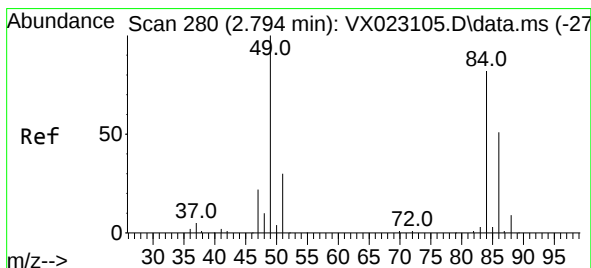
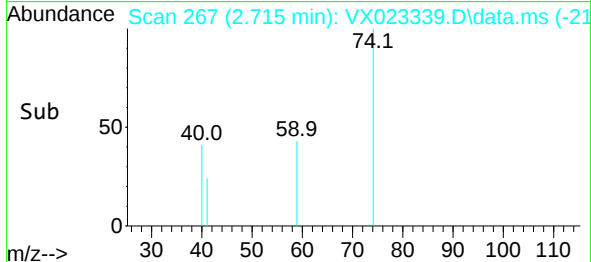
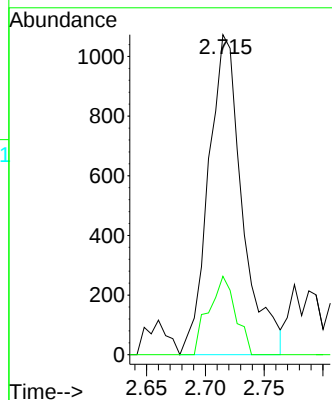
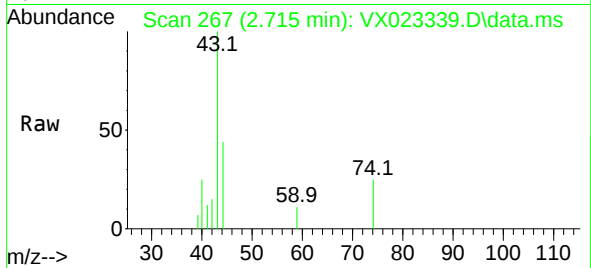




#18
Methyl Acetate
Concen: 0.784 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

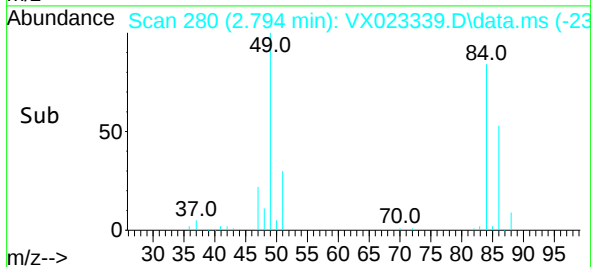
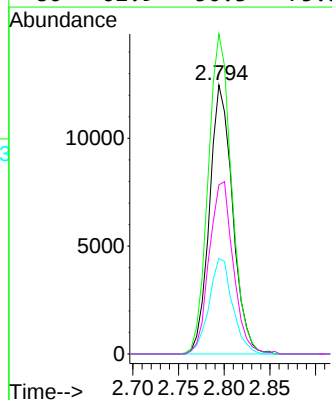
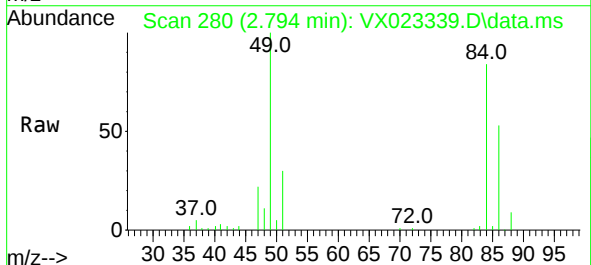
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

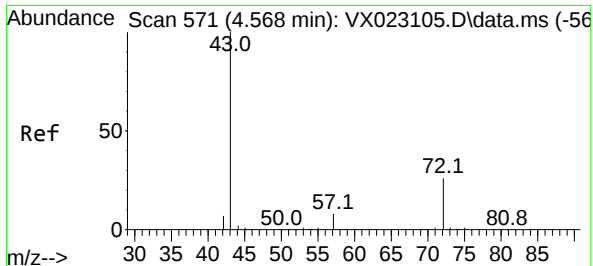
Tgt Ion: 43 Resp: 2155
Ion Ratio Lower Upper
43 100
74 19.4 21.9 32.9#



#20
Methylene Chloride
Concen: 9.014 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 84 Resp: 21981
Ion Ratio Lower Upper
84 100
49 118.9 88.6 132.8
51 35.5 27.0 40.6
86 62.9 50.3 75.5

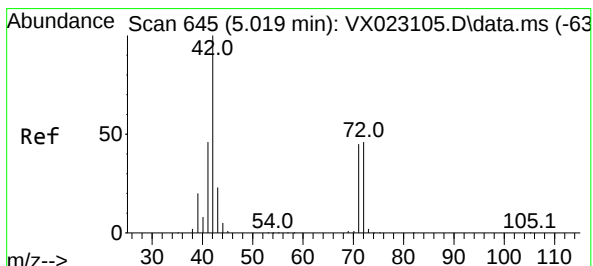
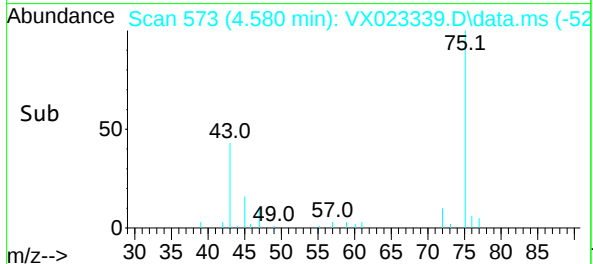
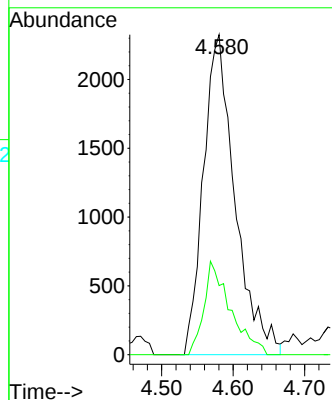
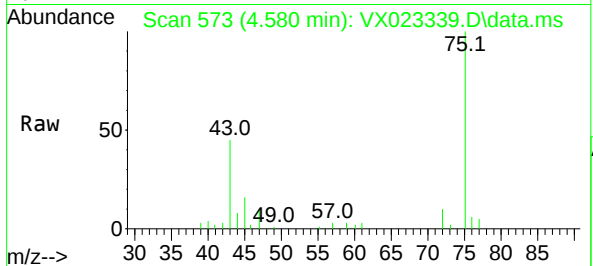




#25
2-Butanone
Concen: 4.179 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

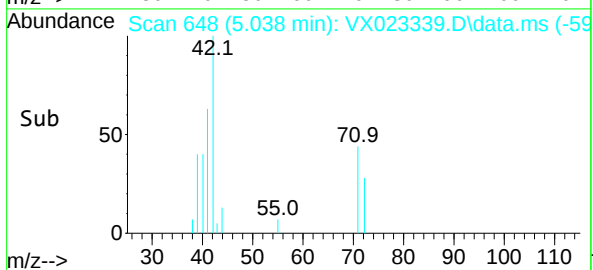
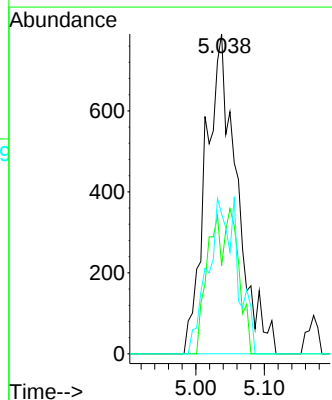
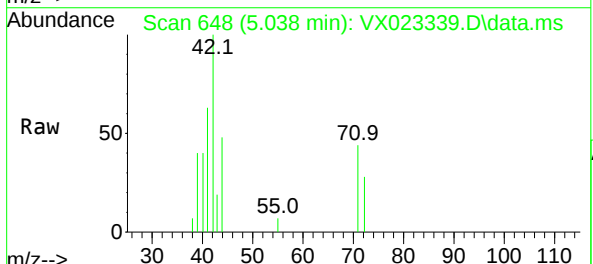
Instrument :
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ClientSampleId :
PB137749ZHE#03

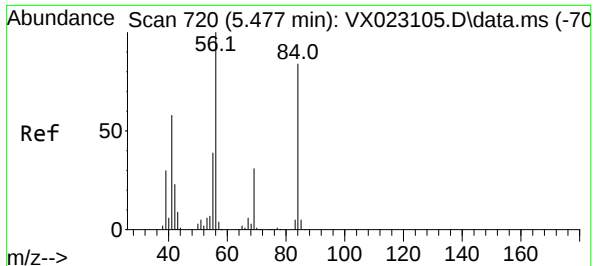
Tgt Ion: 43 Resp: 7137
Ion Ratio Lower Upper
43 100
72 21.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 2.271 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 42 Resp: 2493
Ion Ratio Lower Upper
42 100
72 21.1 41.7 62.5#
71 0.0 38.4 57.6#

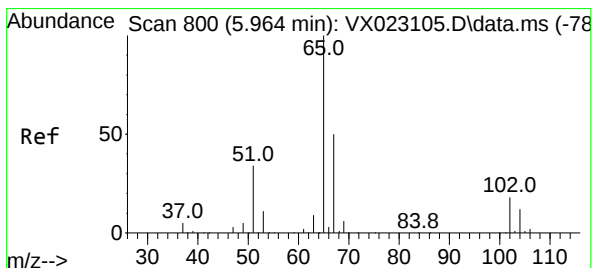
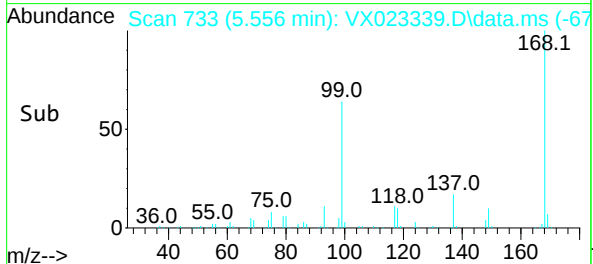
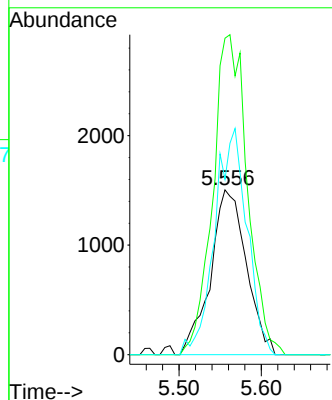
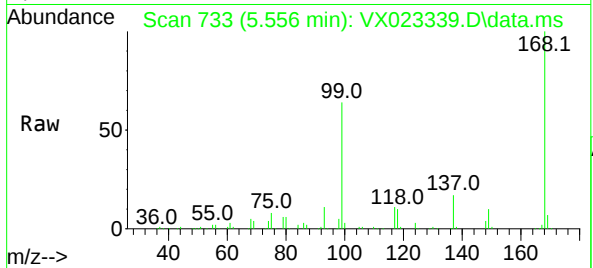




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

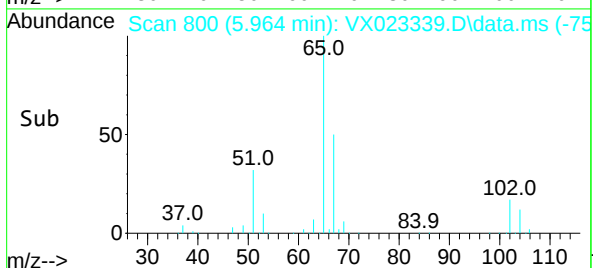
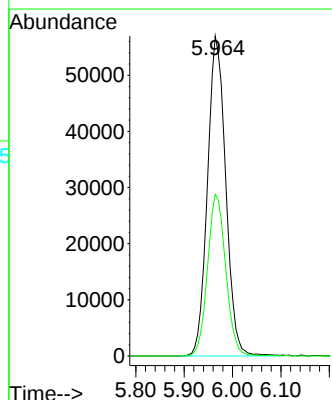
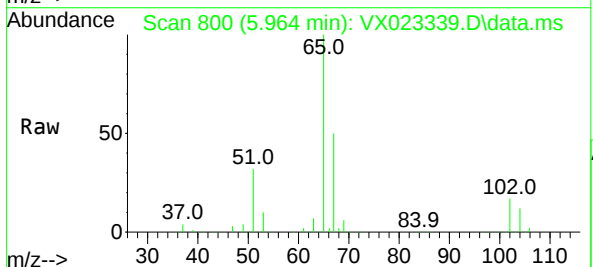
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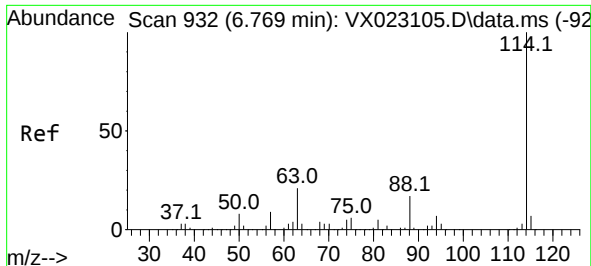
Tgt Ion: 56 Resp: 4563
Ion Ratio Lower Upper
56 100
69 192.0 25.3 37.9#
84 106.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.150 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 65 Resp: 149289
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

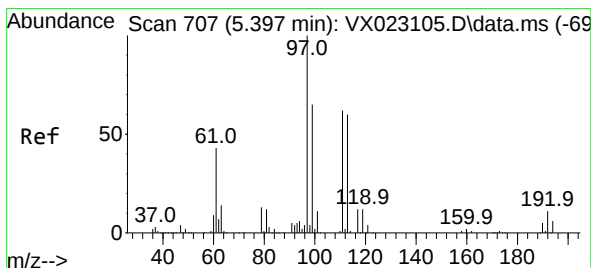
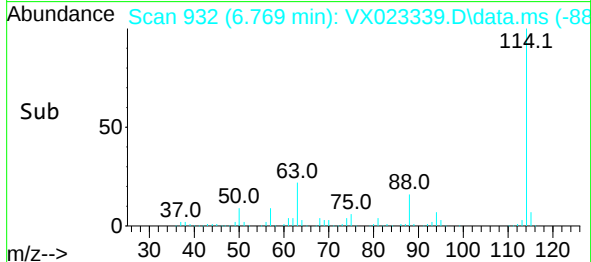
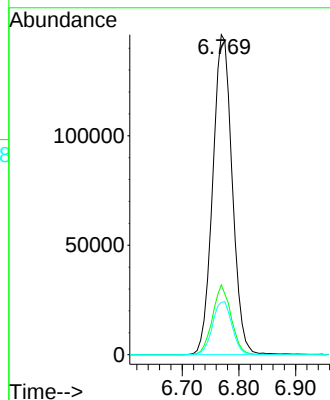
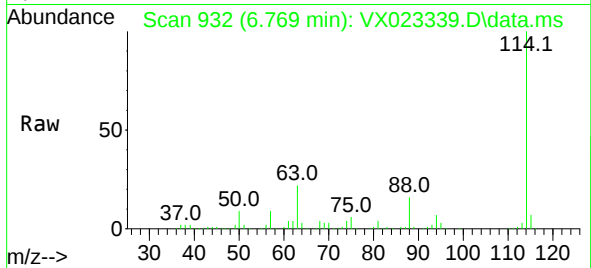




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

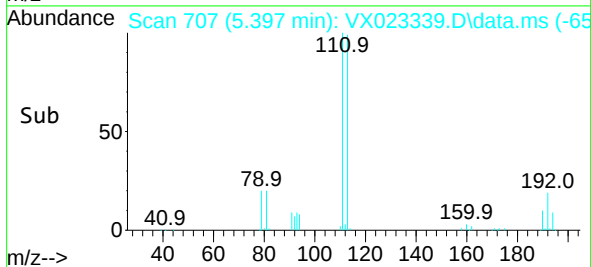
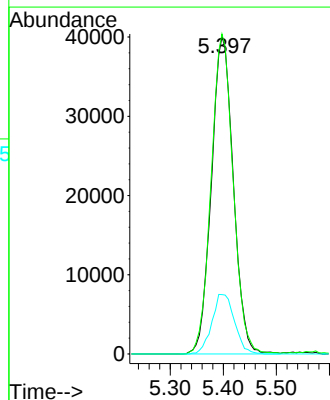
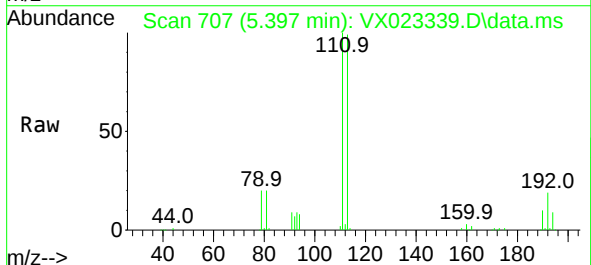
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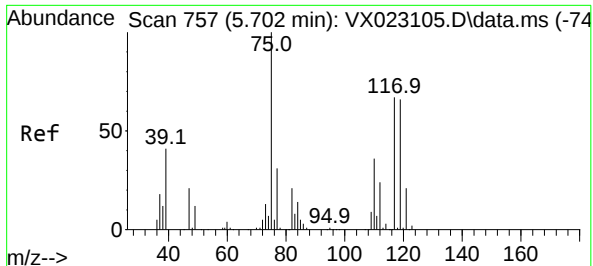
Tgt Ion:114 Resp: 348371
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.088 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion:113 Resp: 114930
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 19.3 16.7 25.1

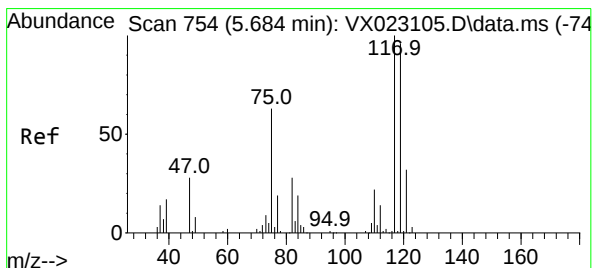
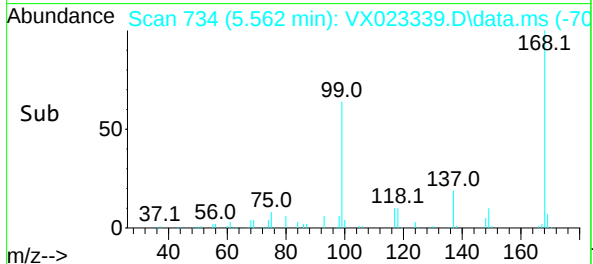
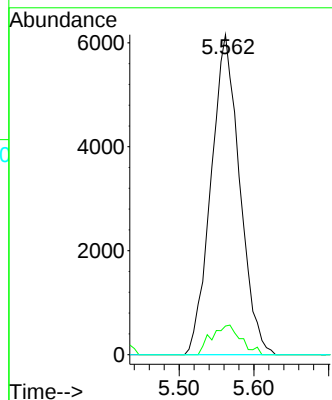
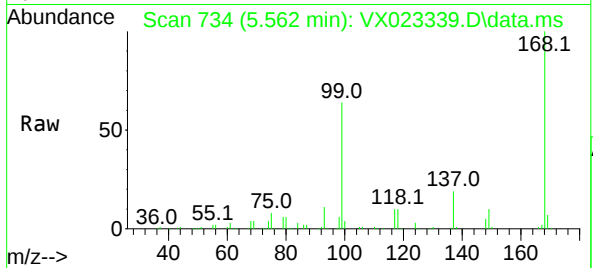




#36
1,1-Dichloropropene
Concen: 5.278 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

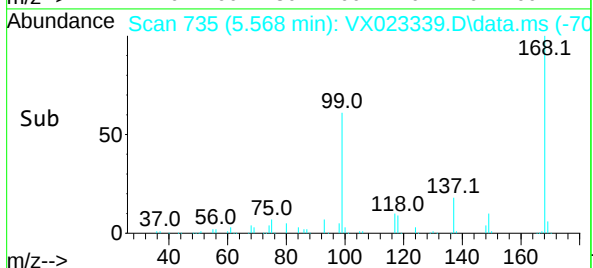
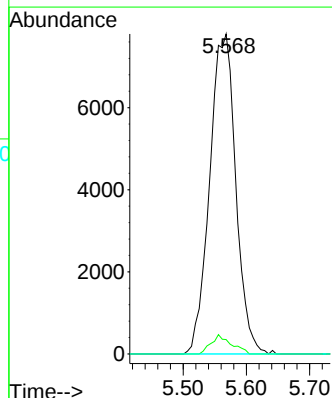
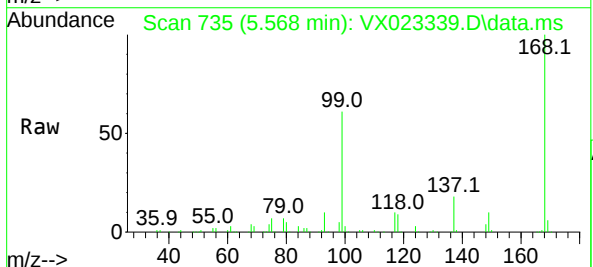
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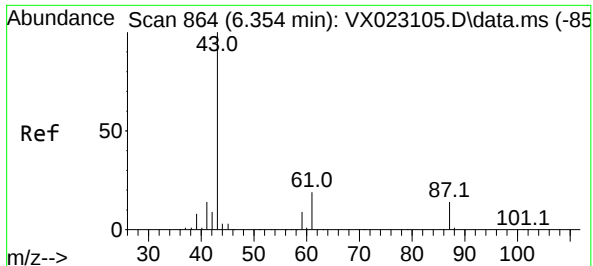
Tgt Ion: 75 Resp: 16391
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.896 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 117 Resp: 22355
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

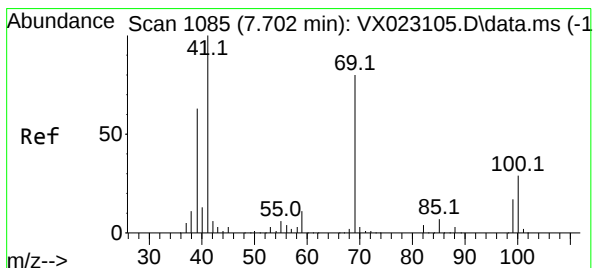
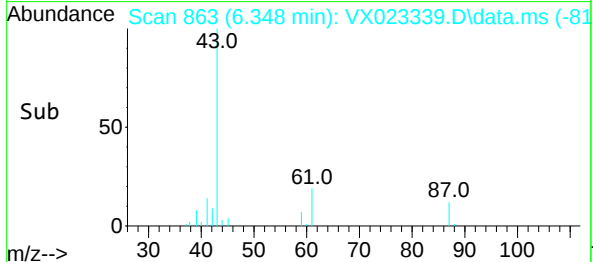
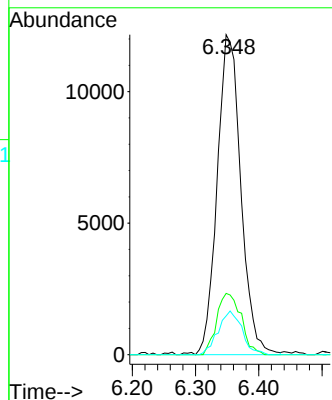
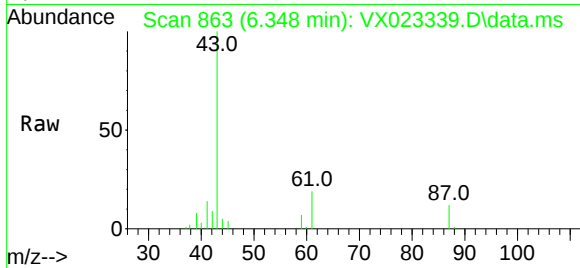




#43
Isopropyl Acetate
Concen: 5.601 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

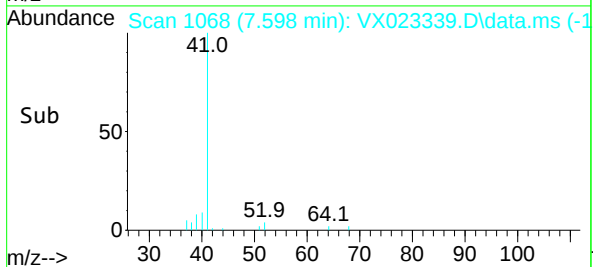
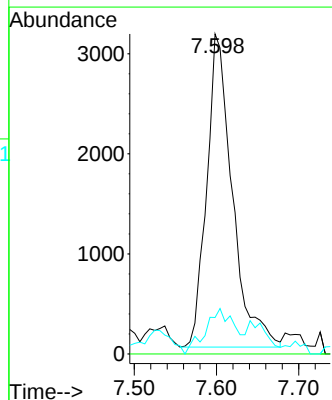
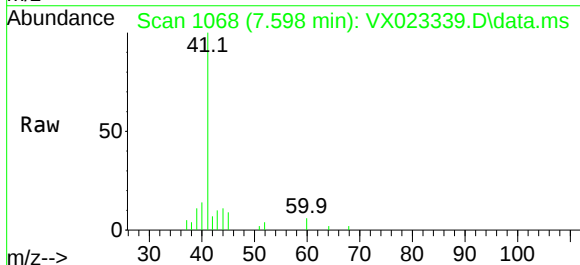
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

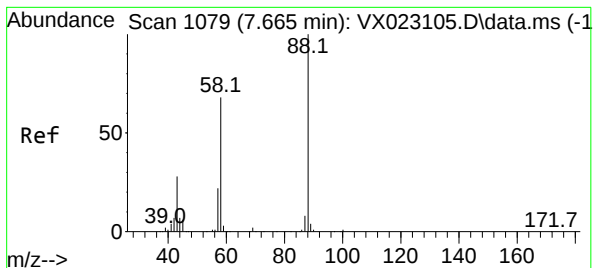
Tgt Ion: 43	Resp: 31561
Ion Ratio	Lower Upper
43	100
61	19.8 18.2 27.4
87	13.7 12.5 18.7



#48
Methyl methacrylate
Concen: 2.455 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 41	Resp: 6788
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: 3.632 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023339.D

Acq: 19 Jul 2021 14:10

Tgt Ion: 88 Resp: 226

Ion Ratio Lower Upper

88 100

43 611392.5 23.2 34.8#

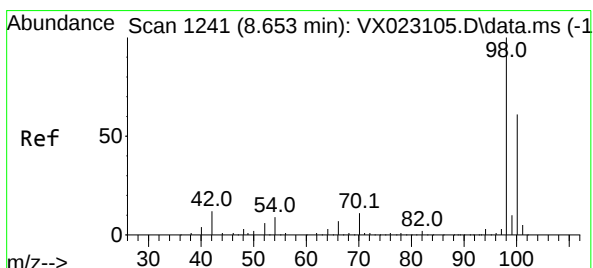
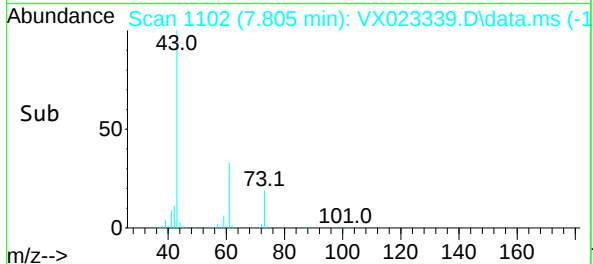
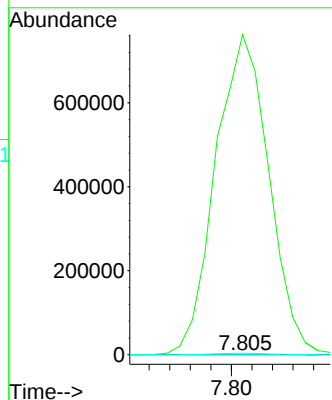
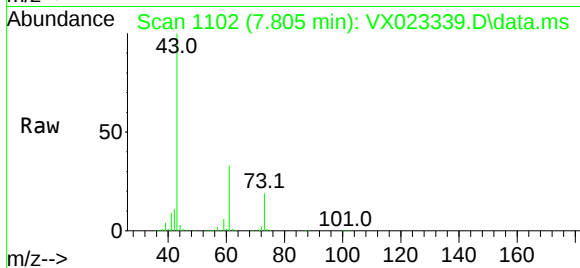
58 2886.3 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#03



#50

Toluene-d8

Concen: 49.894 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023339.D

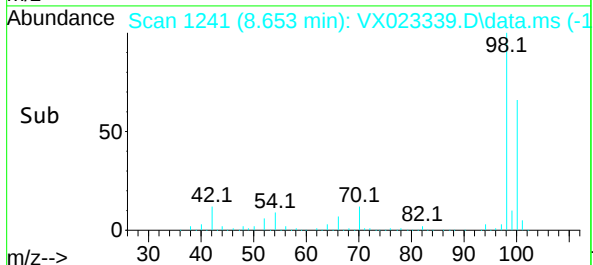
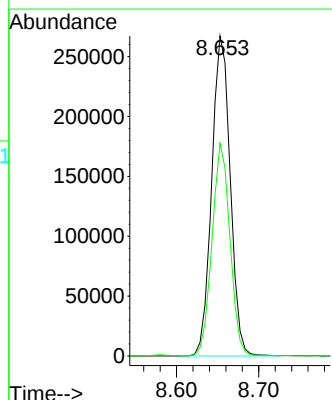
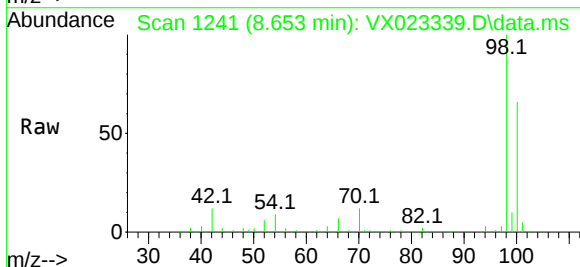
Acq: 19 Jul 2021 14:10

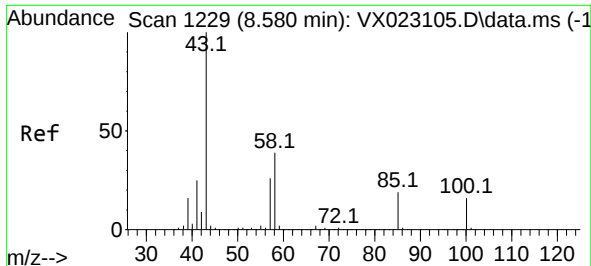
Tgt Ion: 98 Resp: 418690

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

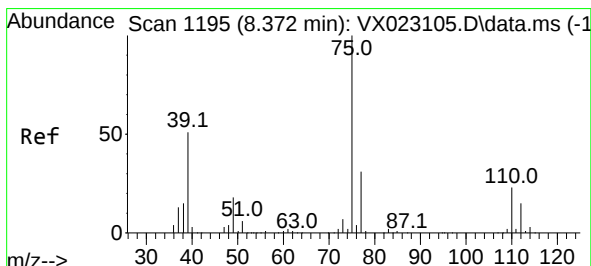
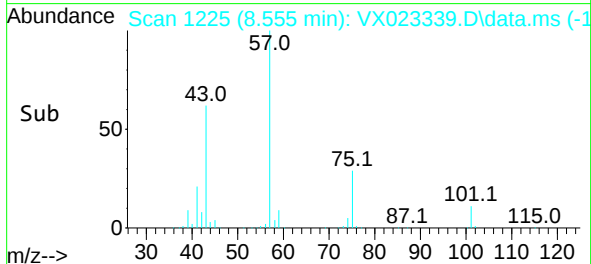
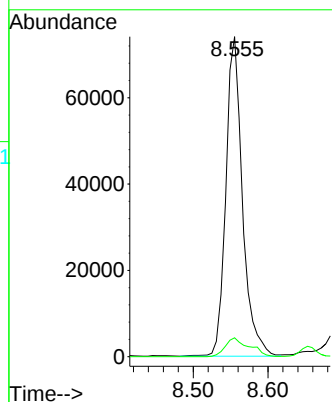
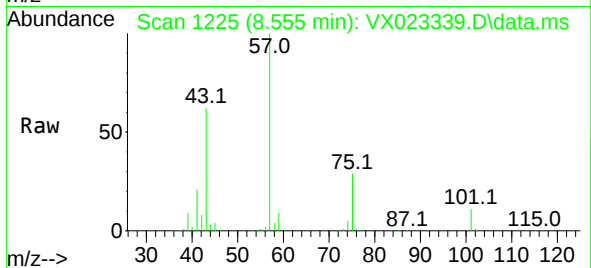




#51
4-Methyl-2-Pentanone
Concen: 32.787 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

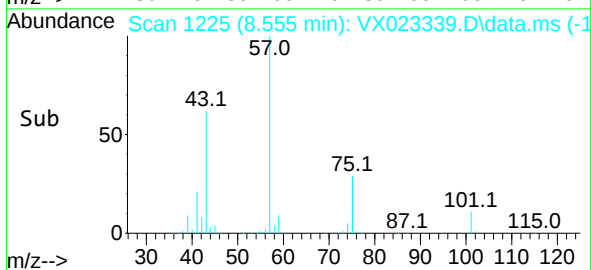
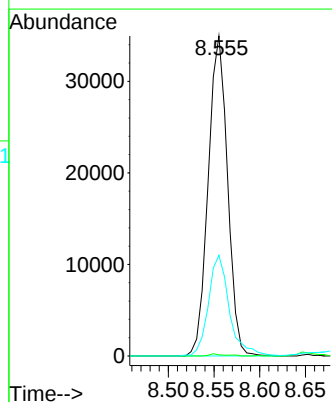
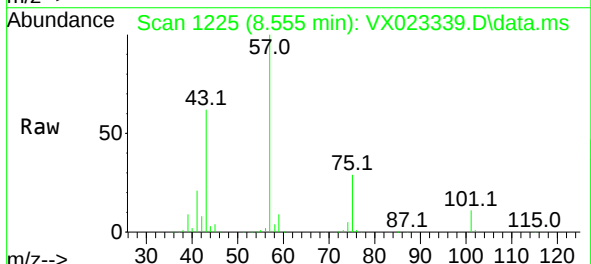
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

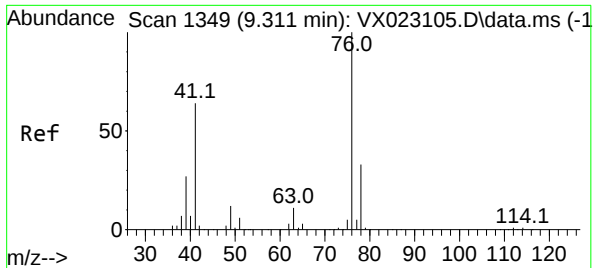
Tgt Ion: 43 Resp: 114489
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 14.314 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 75 Resp: 51273
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 31.5 35.1 52.7#

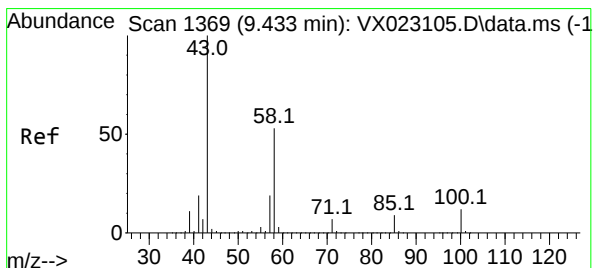
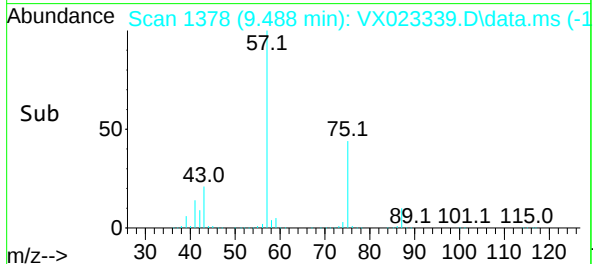
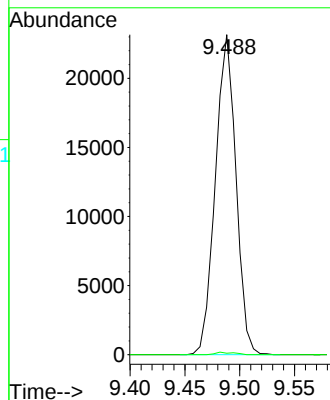
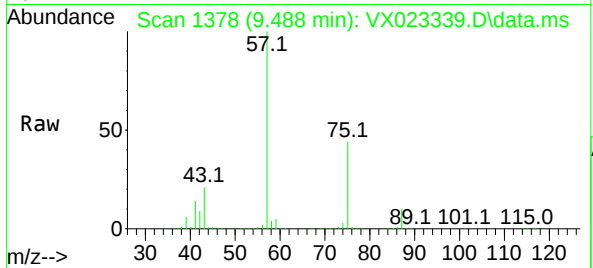




#57
1,3-Dichloropropane
Concen: 7.475 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

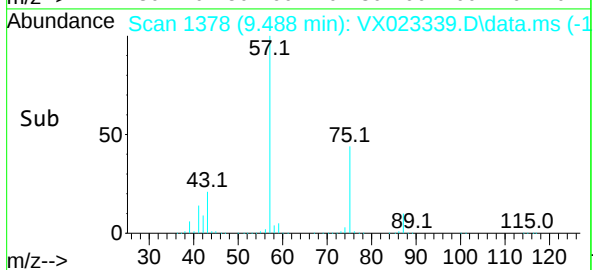
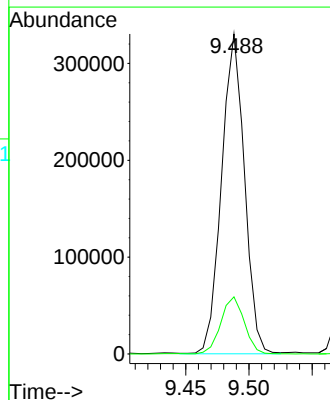
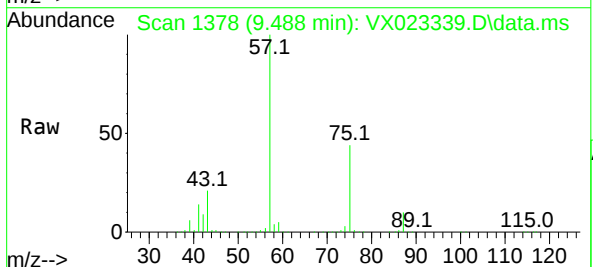
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

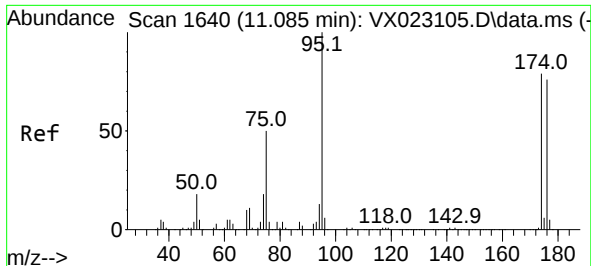
Tgt Ion: 76 Resp: 30274
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#



#59
2-Hexanone
Concen: 155.252 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 43 Resp: 415960
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

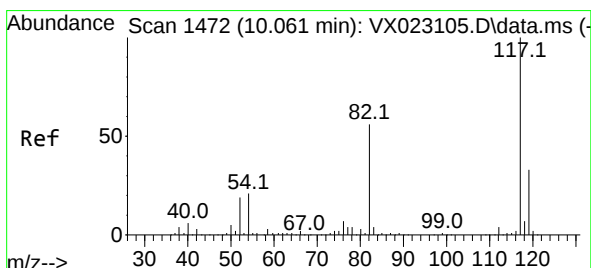
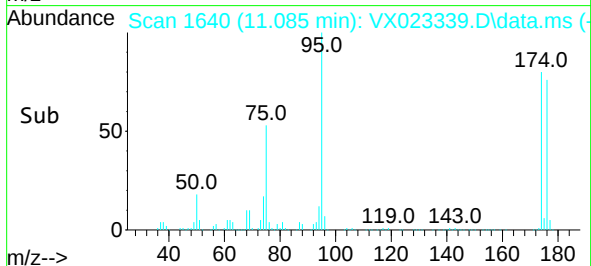
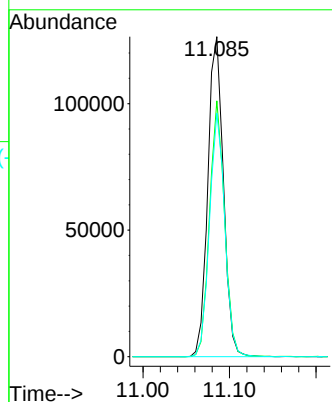
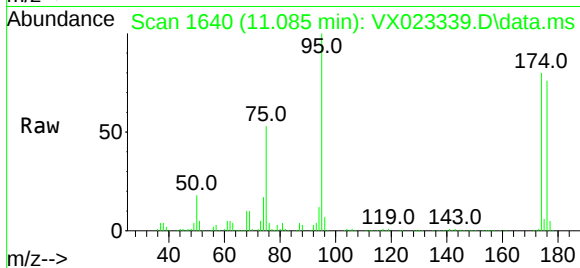




#62
4-Bromofluorobenzene
Concen: 48.757 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

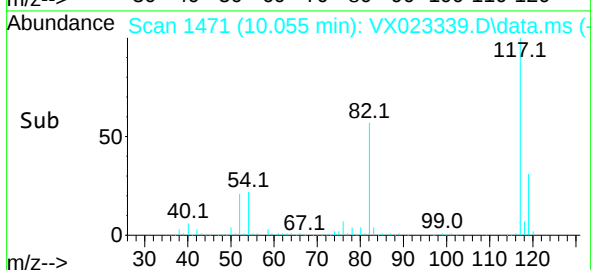
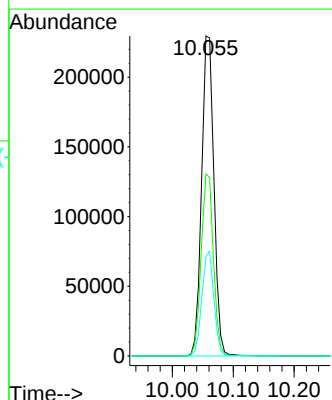
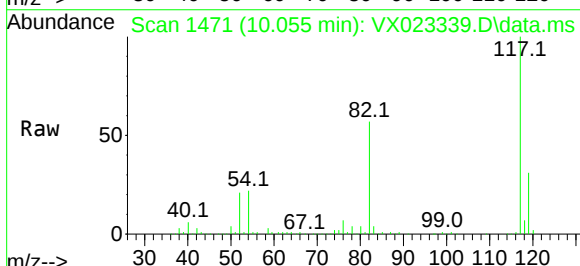
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

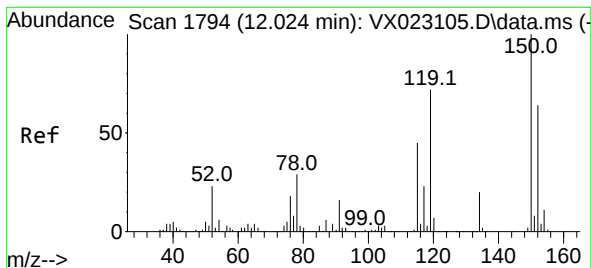
Tgt Ion: 95 Resp: 157954
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 74.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 117 Resp: 321867
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.0 26.6 39.8

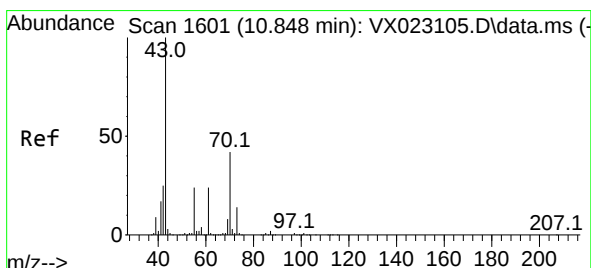
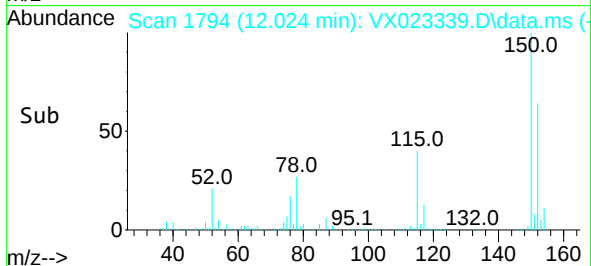
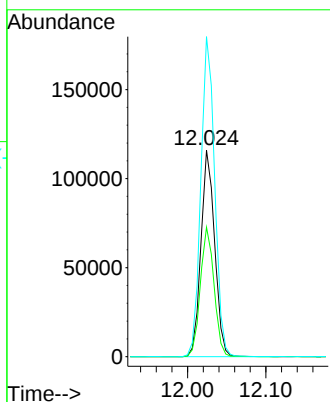
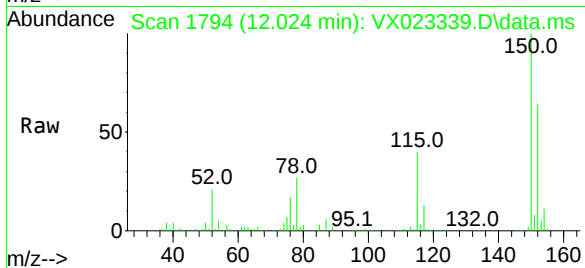




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

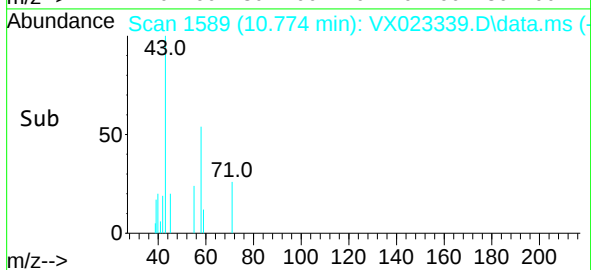
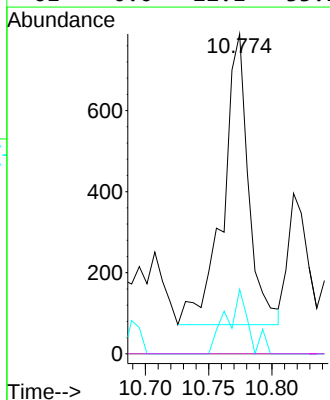
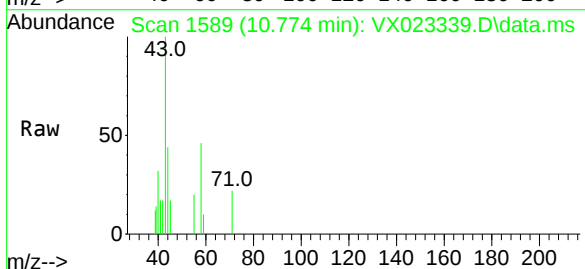
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

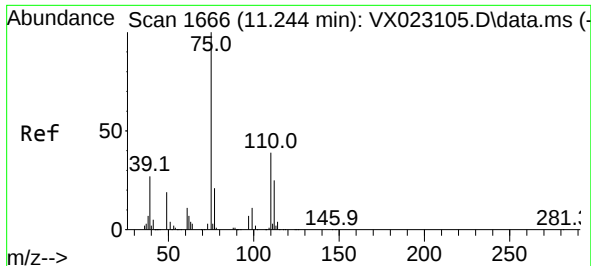
Tgt Ion:152 Resp: 140708
Ion Ratio Lower Upper
152 100
115 62.6 41.1 123.3
150 156.8 0.0 349.0



#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 19.3 21.5 32.3#
61 0.0 22.1 33.1#

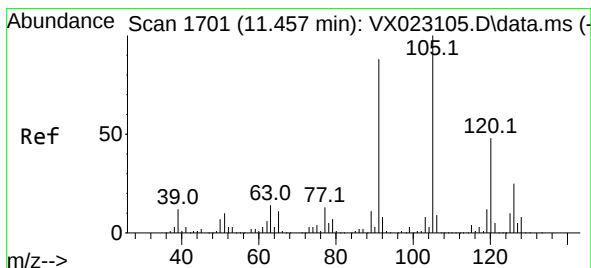
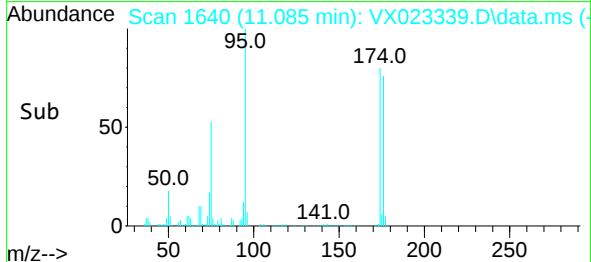
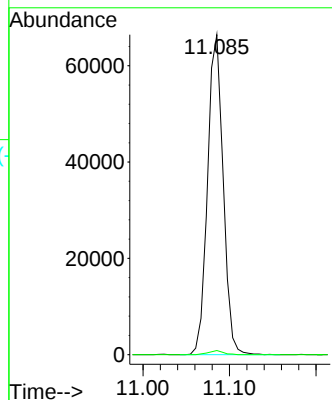
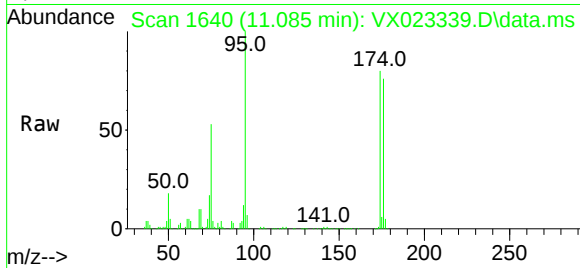




#76
1,2,3-Trichloropropane
Concen: 29.364 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

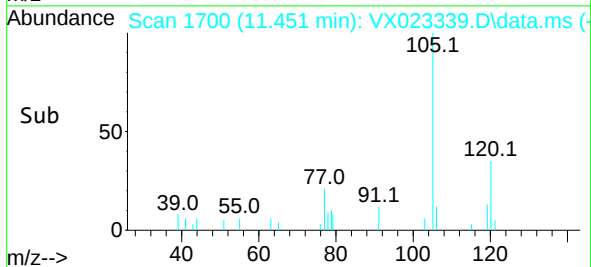
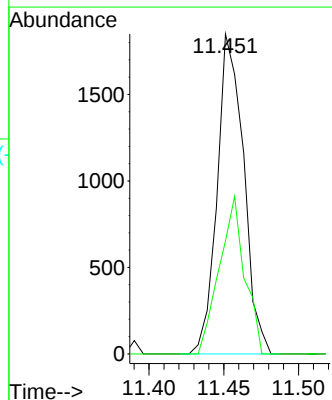
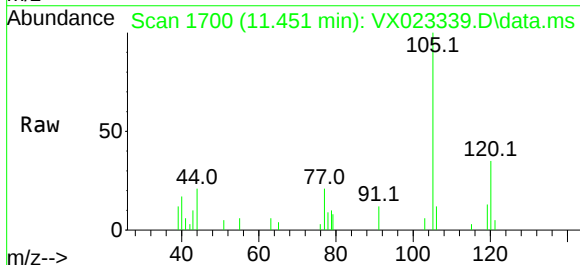
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

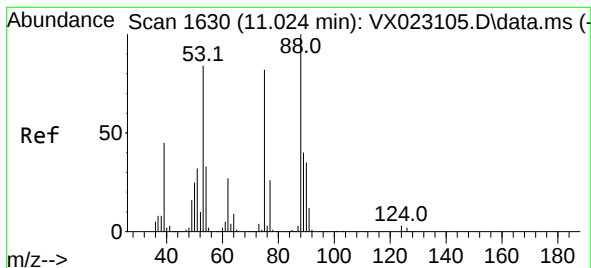
Tgt Ion: 75 Resp: 83144
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.266 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion: 105 Resp: 2270
Ion Ratio Lower Upper
105 100
120 47.3 23.8 71.5

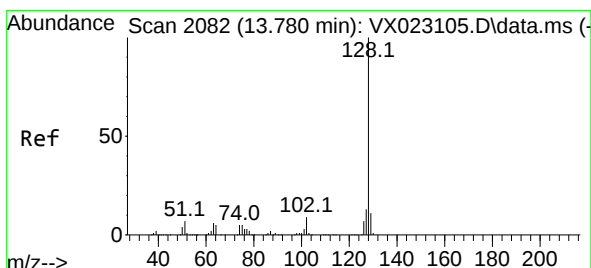
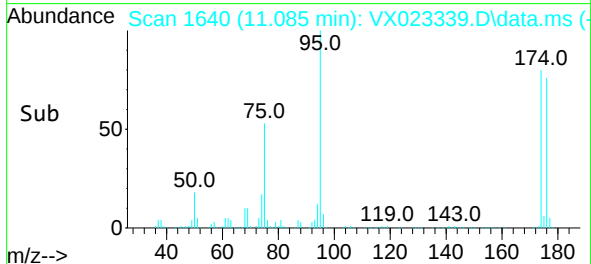
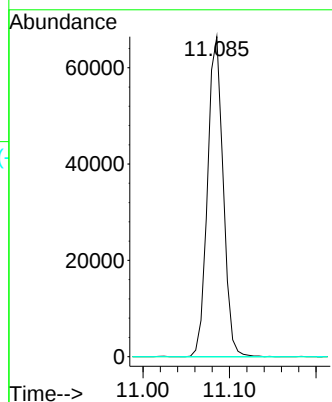
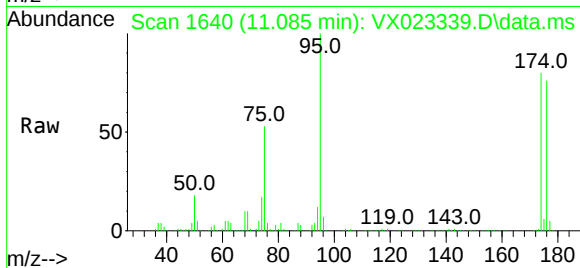




#81
trans-1,4-Dichloro-2-butene
Concen: 78.943 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#03

Tgt Ion: 75 Resp: 83144
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.313 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023339.D
Acq: 19 Jul 2021 14:10

Tgt Ion:128 Resp: 400
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 0.0 8.8 13.2#

