

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023354.D
 Acq On : 19 Jul 2021 20:23
 Operator : JC/MD
 Sample : PB137749ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#07

Quant Time: Jul 20 05:28:55 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)

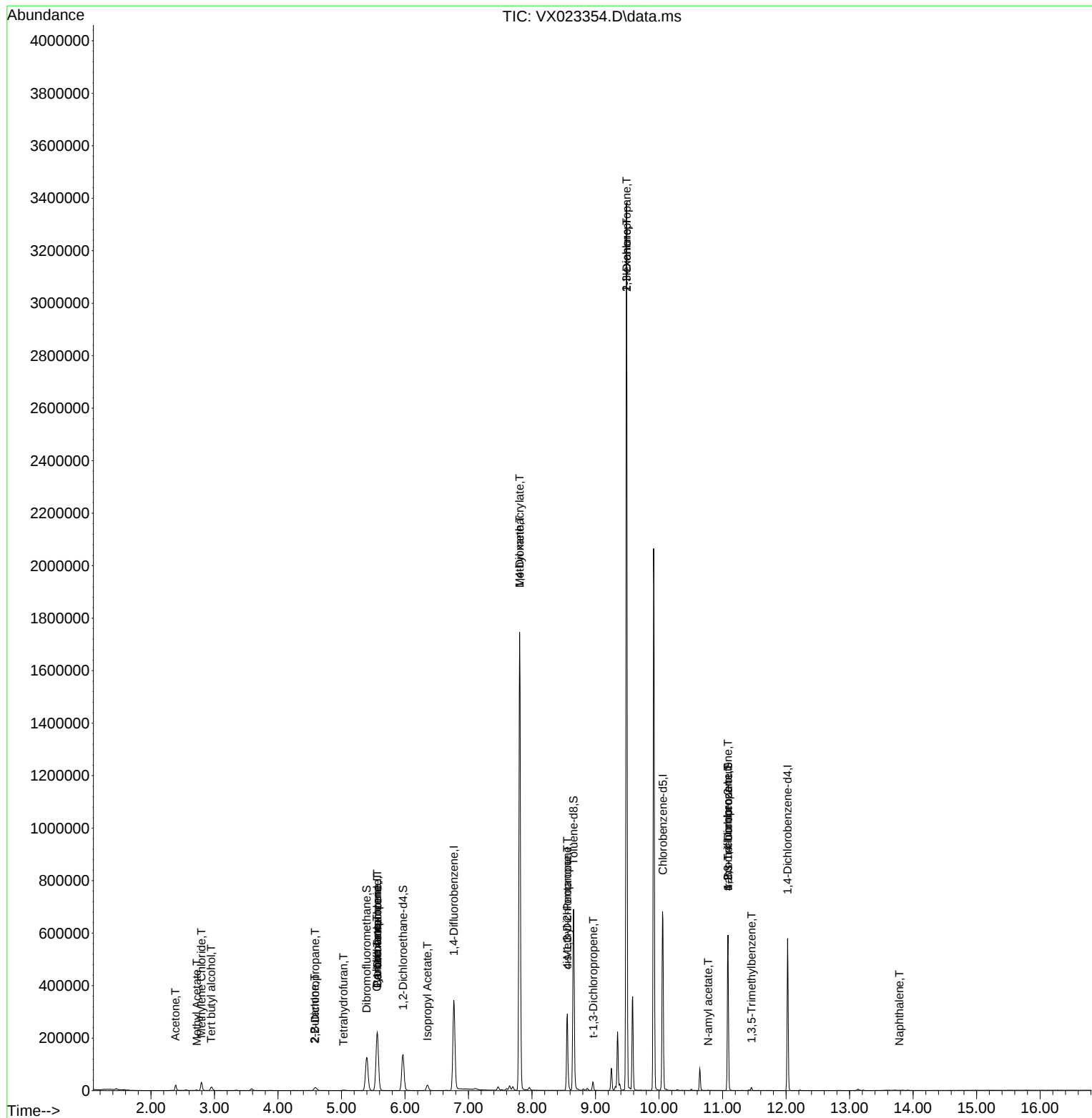
Internal Standards						
1) Pentafluorobenzene	5.562	168	205880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	335230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	309999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	143710	51.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.880%			
35) Dibromofluoromethane	5.397	113	110540	51.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.120%			
50) Toluene-d8	8.653	98	408123	50.541	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.085	95	150105	48.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.300%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	115	Below Cal	#	2
11) Tert butyl alcohol	2.946	59	8126	13.960	ug/l #	77
16) Acetone	2.386	43	21752	19.870	ug/l #	81
18) Methyl Acetate	2.721	43	2127	0.800	ug/l	98
20) Methylene Chloride	2.794	84	13940	5.914	ug/l	94
25) 2-Butanone	4.574	43	5333	3.231	ug/l #	84
26) 2,2-Dichloropropane	4.586	77	900	0.282	ug/l #	52
29) Tetrahydrofuran	5.031	42	1825	1.720	ug/l #	62
31) Cyclohexane	5.556	56	4516	1.363	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16618	5.561	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21564	6.913	ug/l #	17
43) Isopropyl Acetate	6.354	43	28259	5.211	ug/l	94
48) Methyl methacrylate	7.805	41	158641	59.621	ug/l #	37
49) 1,4-Dioxane	7.805	88	294	4.909	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	102538	30.515	ug/l #	44
53) t-1,3-Dichloropropene	8.964	75	61	2.752	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	44970	13.239	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	27834	7.142	ug/l #	42
59) 2-Hexanone	9.488	43	390832	151.591	ug/l #	43
74) N-amyl acetate	10.774	43	811	0.211	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	78376	30.344	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	5156	0.662	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.085	75	78376	81.418	ug/l #	12
95) Naphthalene	13.786	128	321	1.308	ug/l #	69

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

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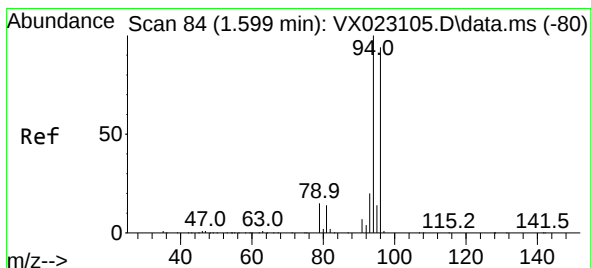
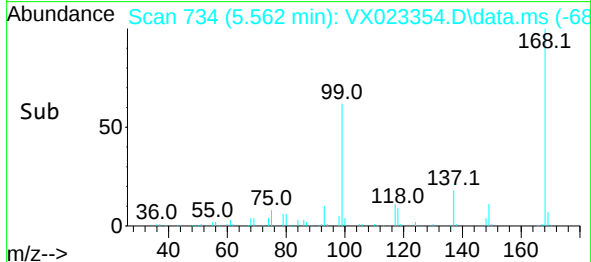
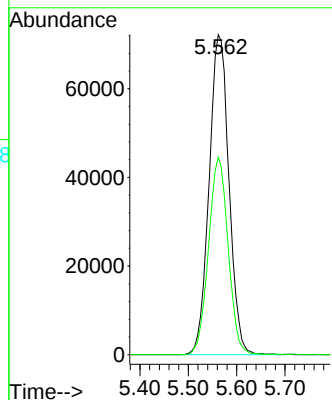
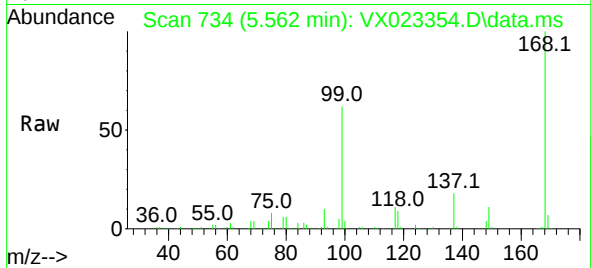




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

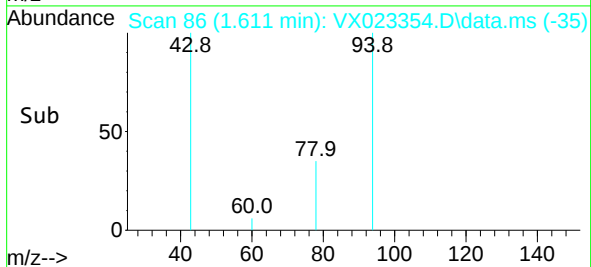
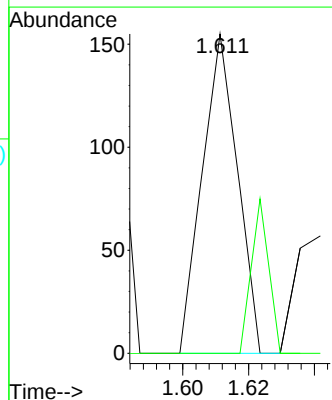
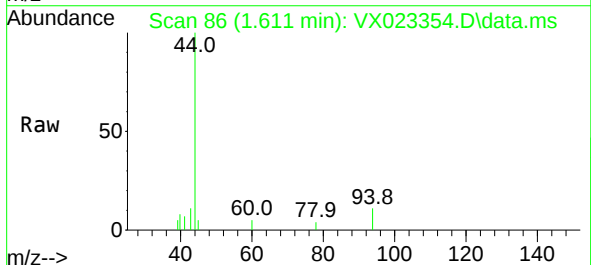
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

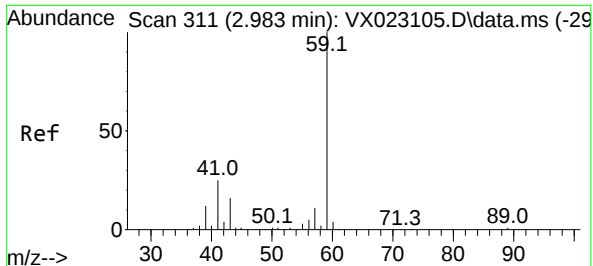
Tgt Ion:168 Resp: 205880
Ion Ratio Lower Upper
168 100
99 61.7 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

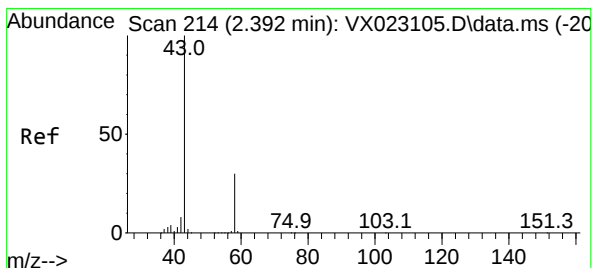
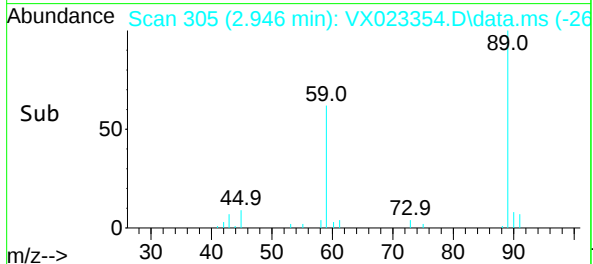
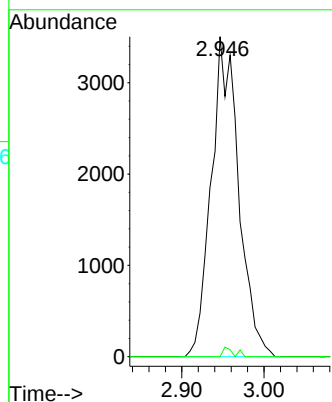
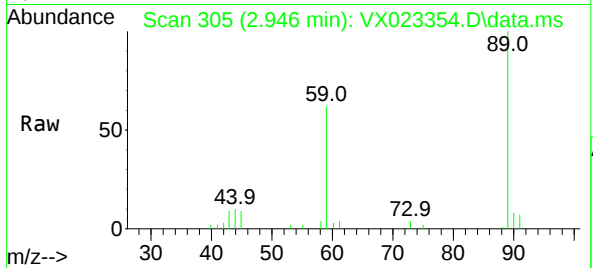




#11
Tert butyl alcohol
Concen: 13.960 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

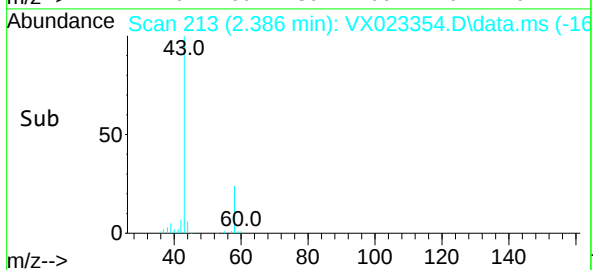
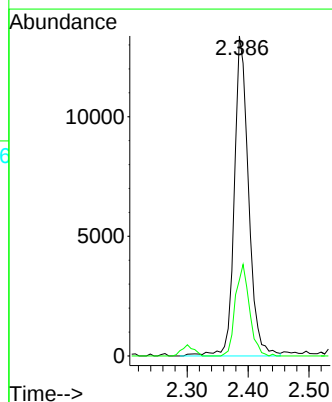
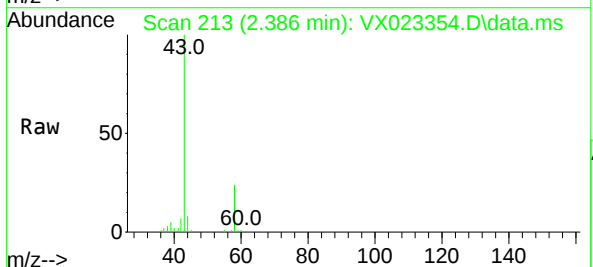
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

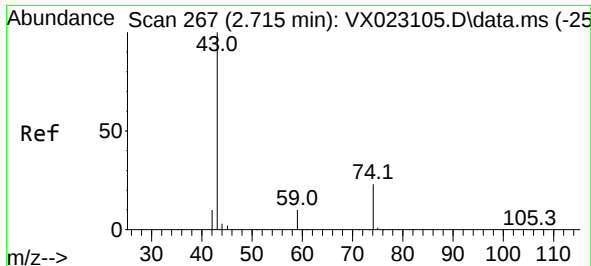
Tgt Ion: 59 Resp: 8126
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#



#16
Acetone
Concen: 19.870 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 43 Resp: 21752
Ion Ratio Lower Upper
43 100
58 23.8 27.8 41.8#

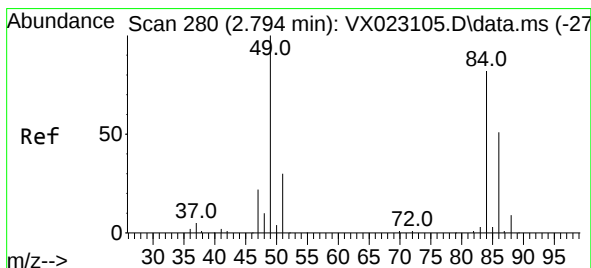
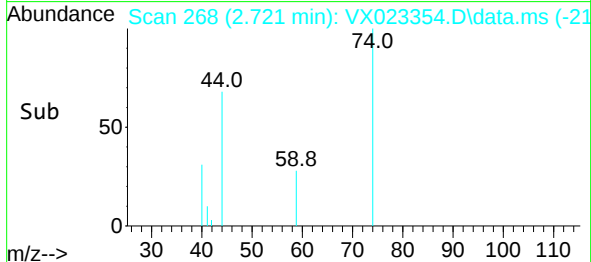
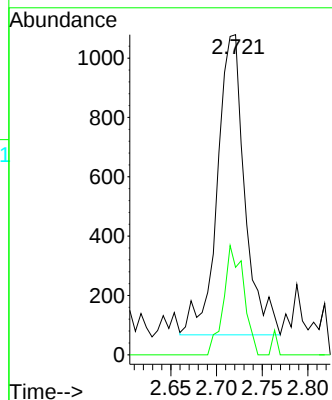
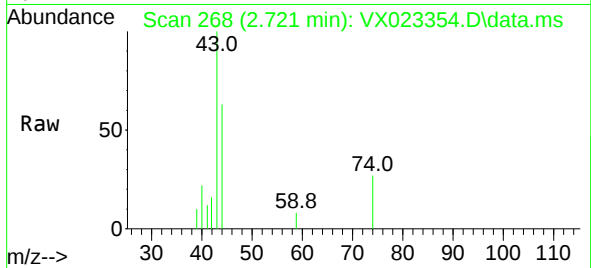




#18
Methyl Acetate
Concen: 0.800 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

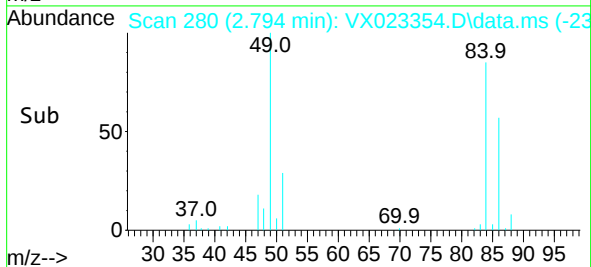
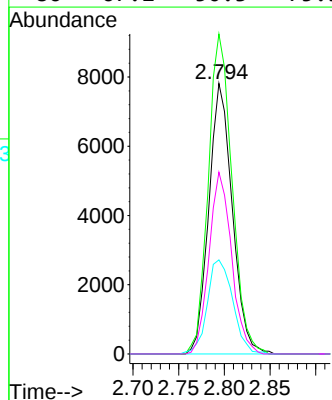
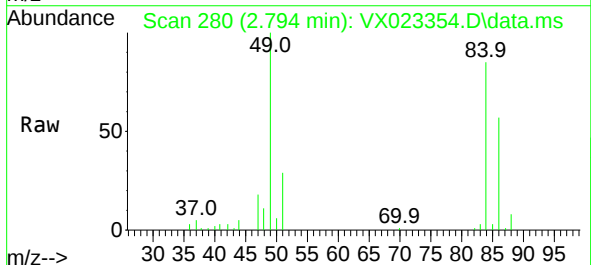
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

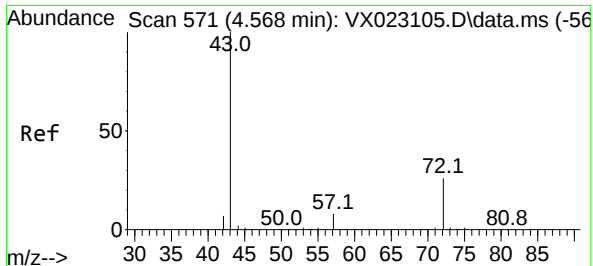
Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
74 26.4 21.9 32.9



#20
Methylene Chloride
Concen: 5.914 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 84 Resp: 13940
Ion Ratio Lower Upper
84 100
49 118.3 88.6 132.8
51 34.8 27.0 40.6
86 67.2 50.3 75.5





#25

2-Butanone

Concen: 3.231 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023354.D

Acq: 19 Jul 2021 20:23

Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

43 100

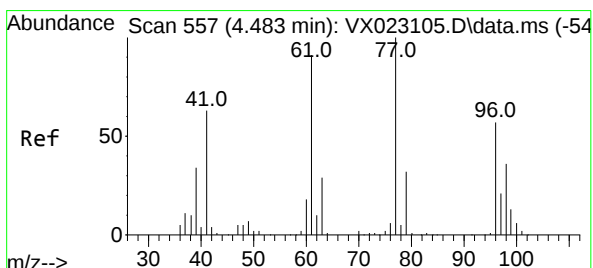
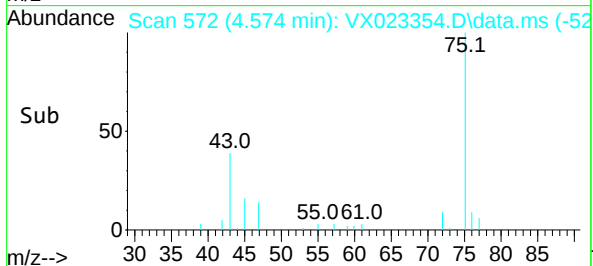
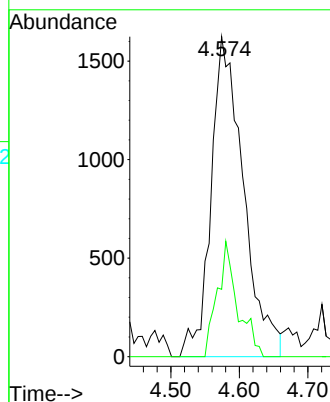
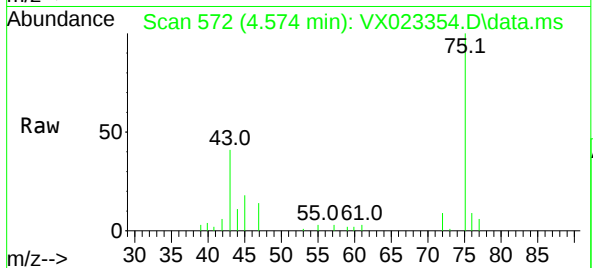
72 21.1 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#07



#26

2,2-Dichloropropane

Concen: 0.282 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.103 min

Lab File: VX023354.D

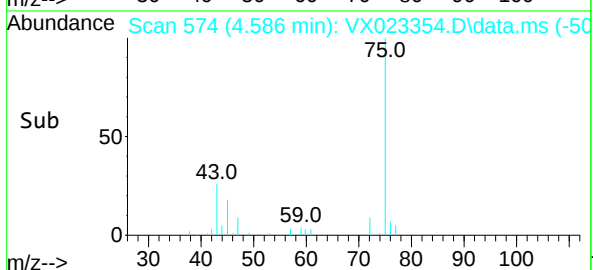
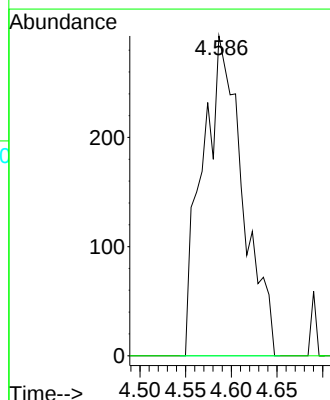
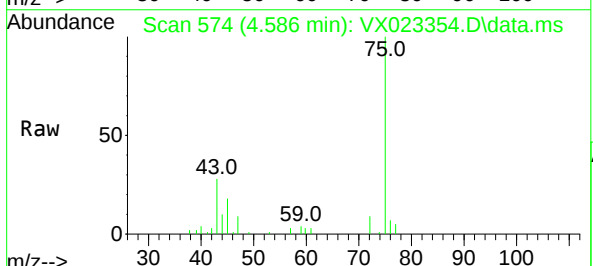
Acq: 19 Jul 2021 20:23

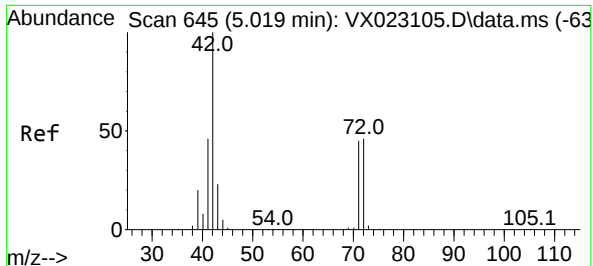
Tgt Ion: 77 Resp: 900

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 1.720 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX023354.D

Acq: 19 Jul 2021 20:23

Tgt Ion: 42 Resp: 1825

Ion Ratio Lower Upper

42 100

72 38.5 41.7 62.5#

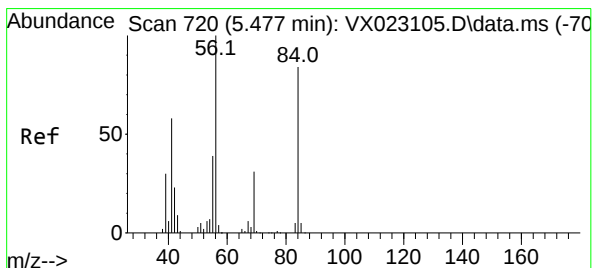
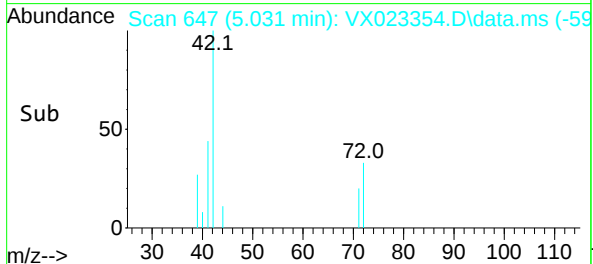
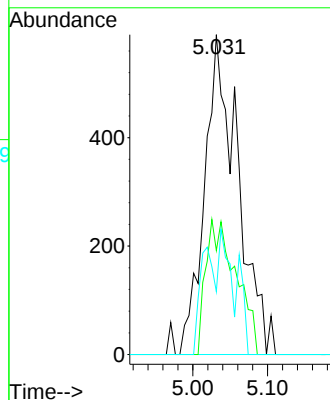
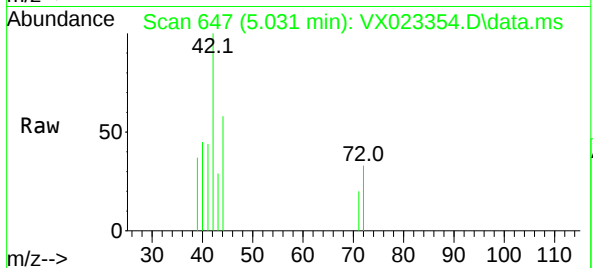
71 8.5 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#07



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023354.D

Acq: 19 Jul 2021 20:23

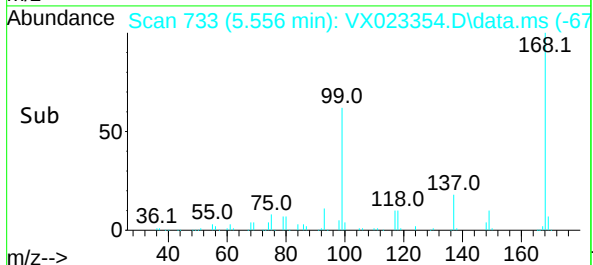
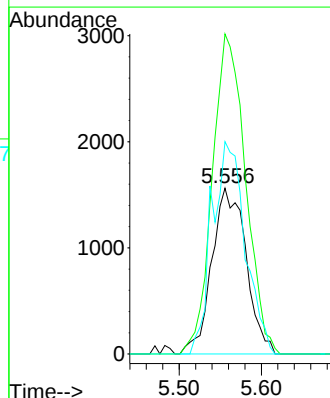
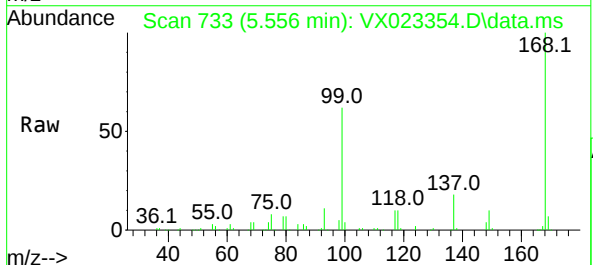
Tgt Ion: 56 Resp: 4516

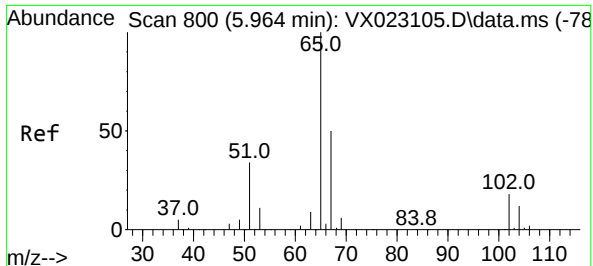
Ion Ratio Lower Upper

56 100

69 193.0 25.3 37.9#

84 128.1 71.4 107.0#



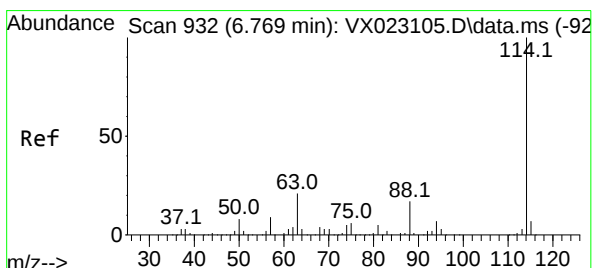
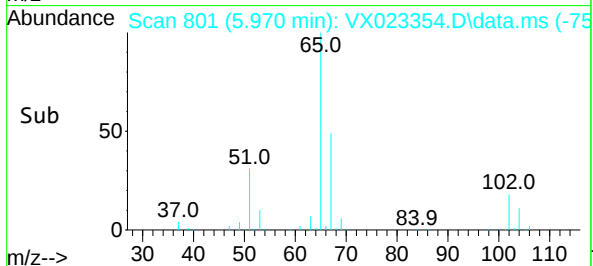
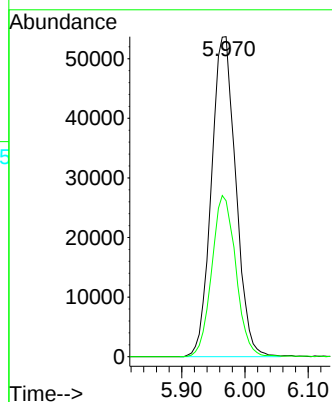
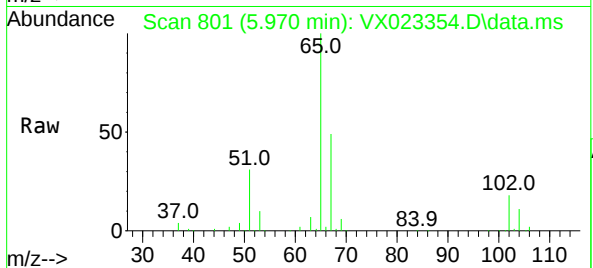


#33

1,2-Dichloroethane-d4
Concen: 51.937 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

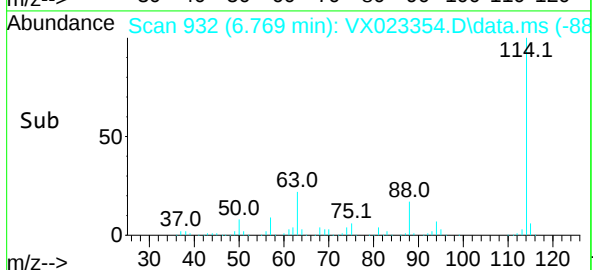
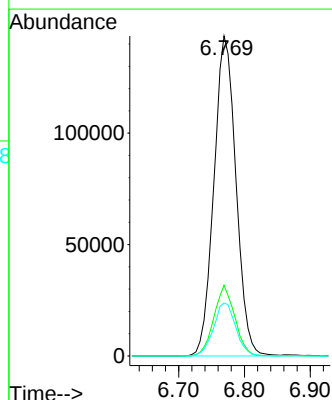
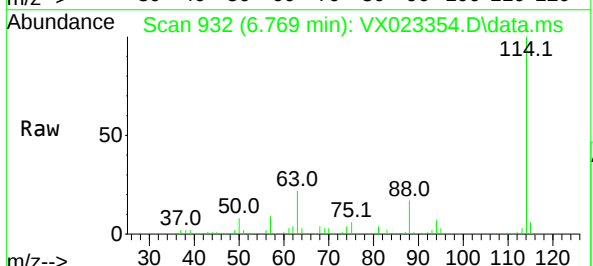
Tgt Ion: 65 Resp: 143710
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

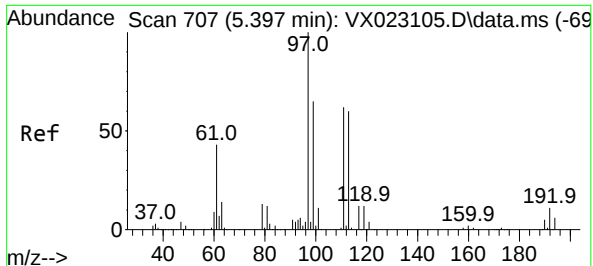


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 114 Resp: 335230
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.063 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023354.D

Acq: 19 Jul 2021 20:23

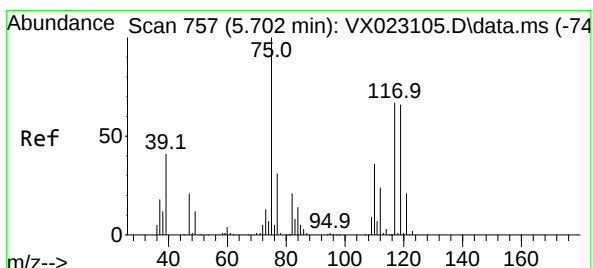
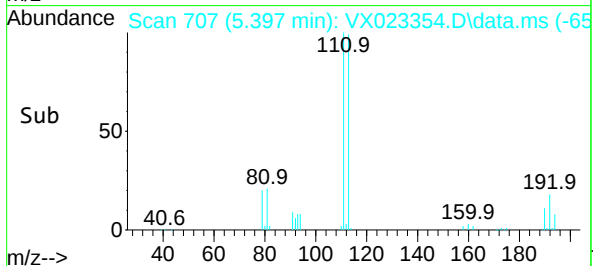
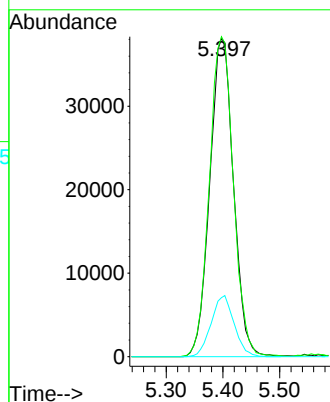
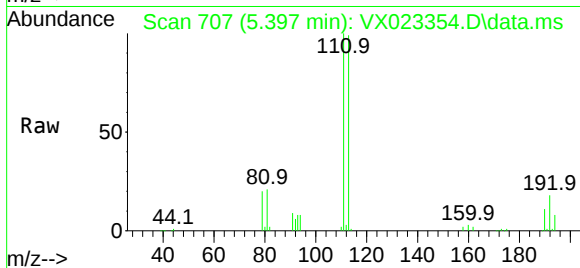
Tgt Ion:113 Resp: 110540

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 18.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.561 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023354.D

Acq: 19 Jul 2021 20:23

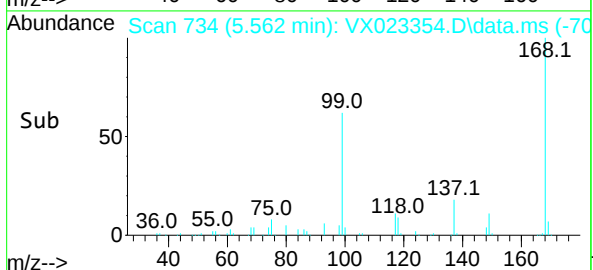
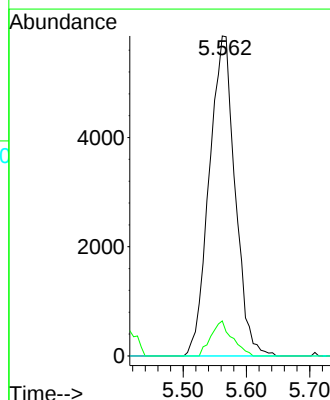
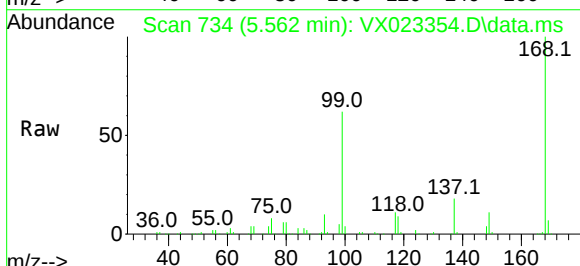
Tgt Ion: 75 Resp: 16618

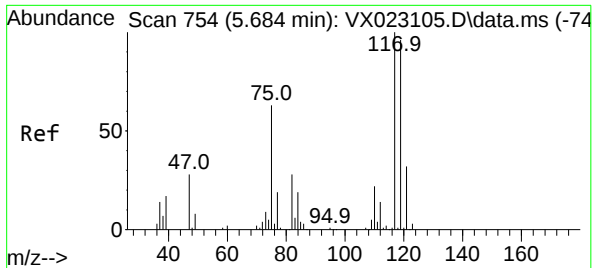
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

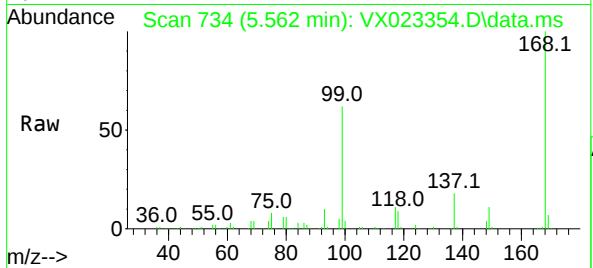
77 0.0 25.3 37.9#



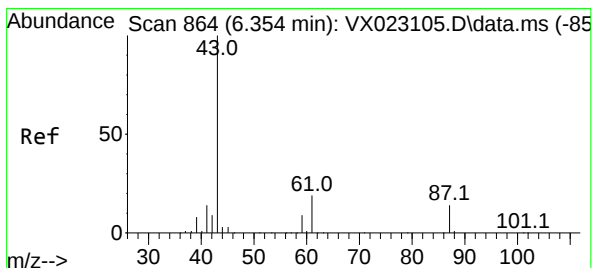
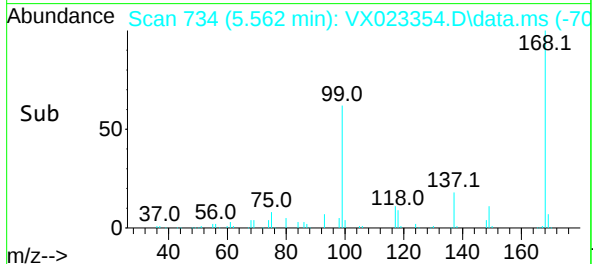
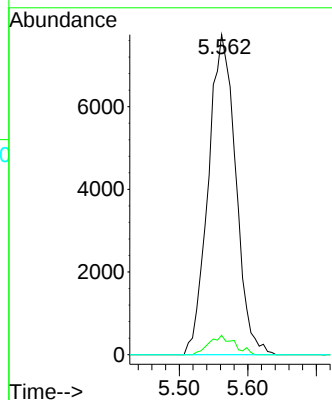


#38
Carbon Tetrachloride
Concen: 6.913 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

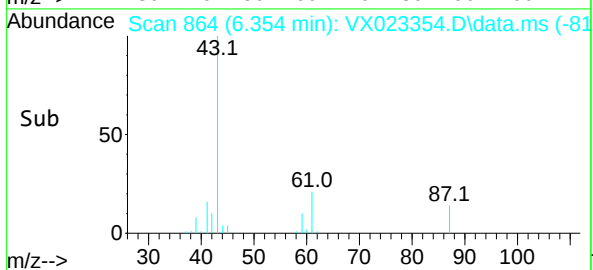
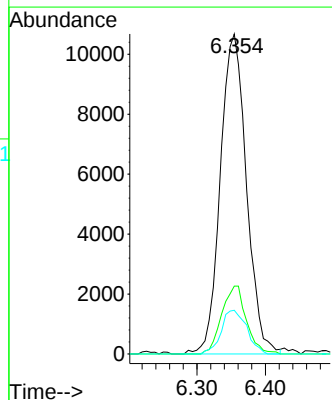
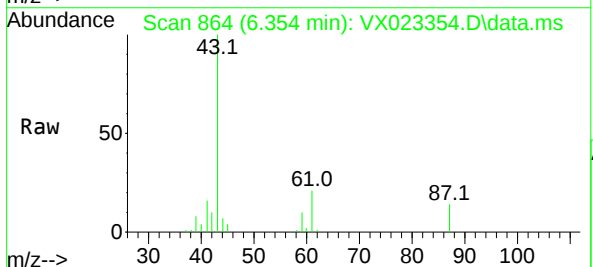


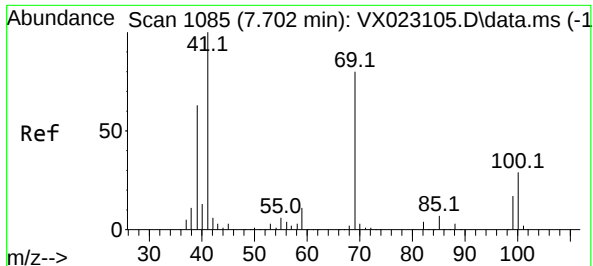
Tgt Ion:117 Resp: 21564
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.211 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 43 Resp: 28259
Ion Ratio Lower Upper
43 100
61 20.0 18.2 27.4
87 13.4 12.5 18.7

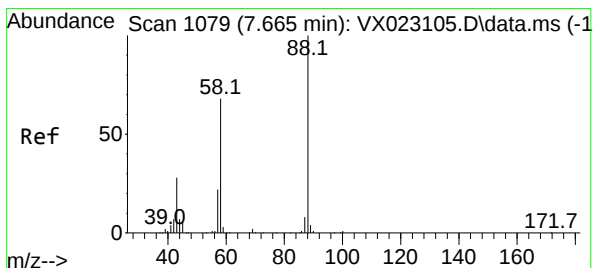
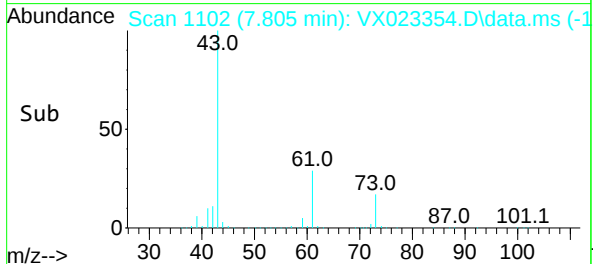
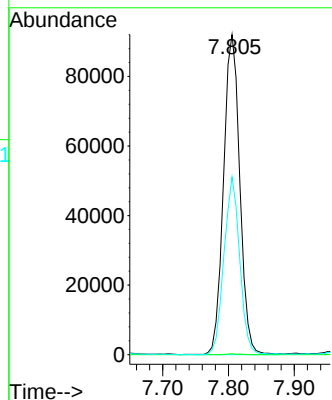
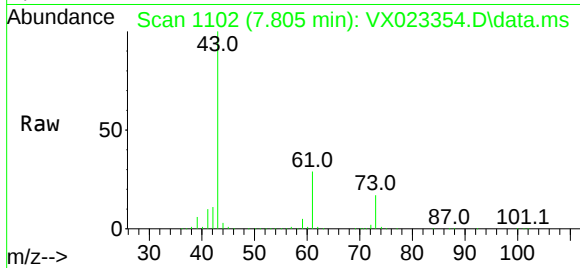




#48
Methyl methacrylate
Concen: 59.621 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

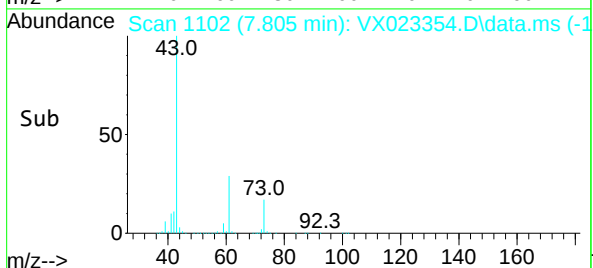
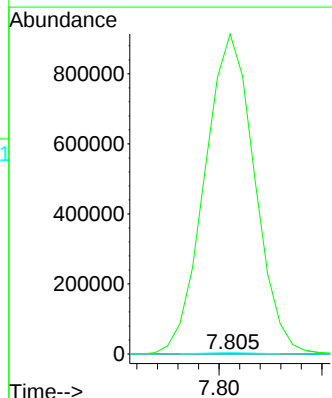
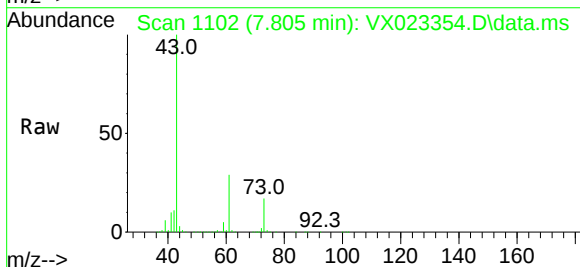
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

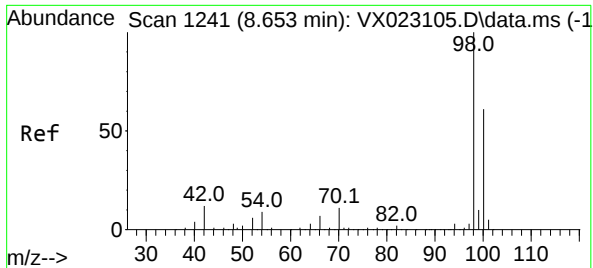
Tgt Ion: 41 Resp: 158641
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 53.7 44.6 67.0



#49
1,4-Dioxane
Concen: 4.909 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 88 Resp: 294
Ion Ratio Lower Upper
88 100
43 527872.1 23.2 34.8#
58 2387.4 55.0 82.4#

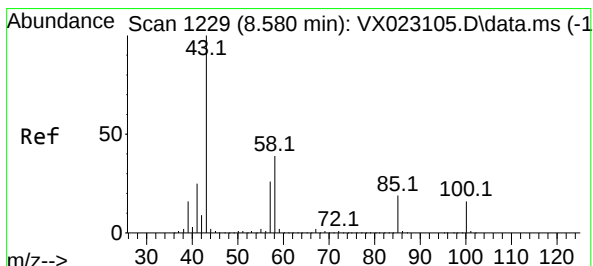
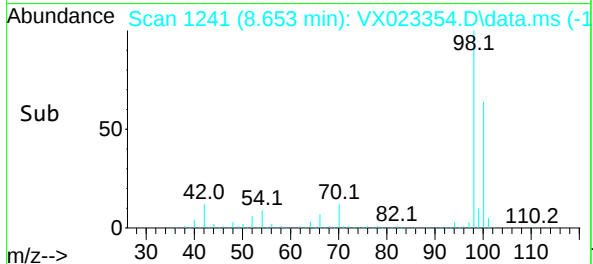
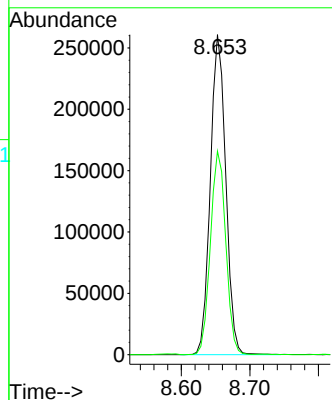
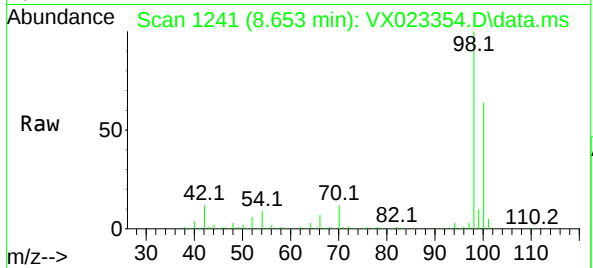




#50
Toluene-d8
Concen: 50.541 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

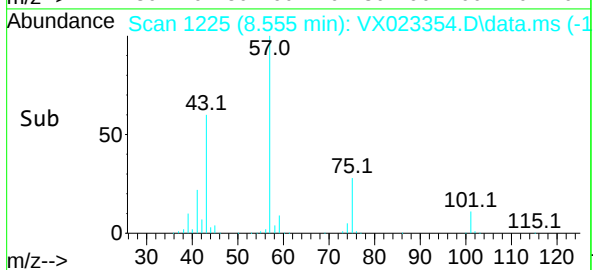
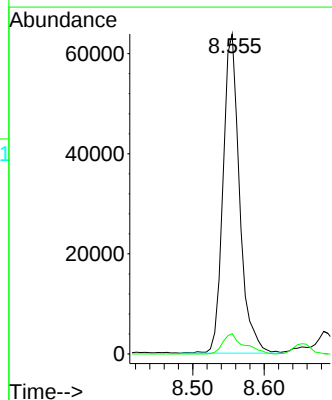
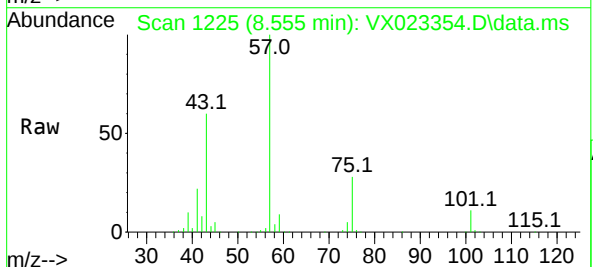
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

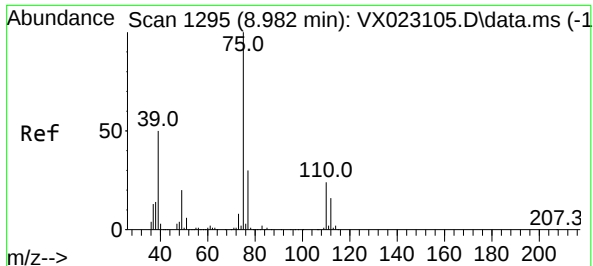
Tgt Ion: 98 Resp: 408123
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.515 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

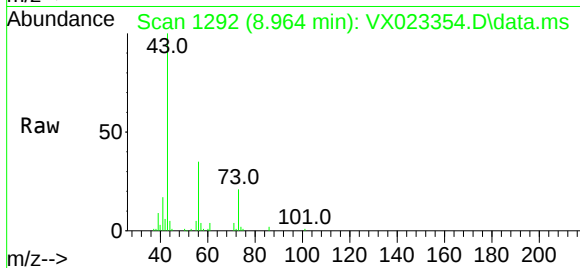
Tgt Ion: 43 Resp: 102538
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#



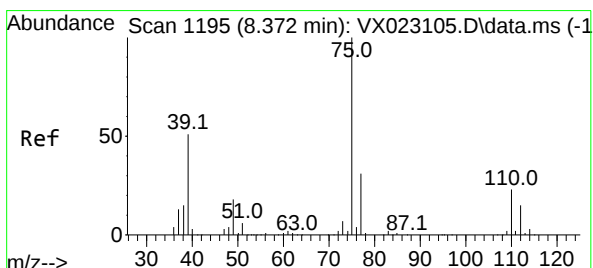
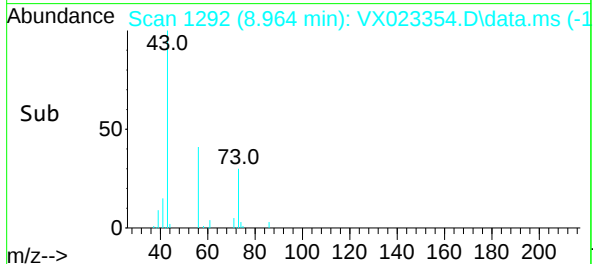
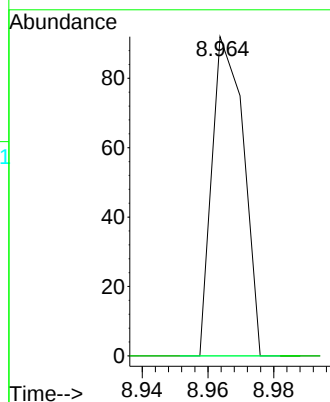


#53
t-1,3-Dichloropropene
Concen: 2.752 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

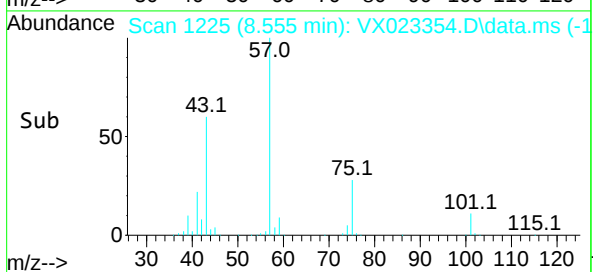
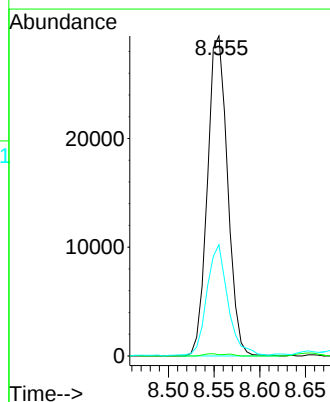
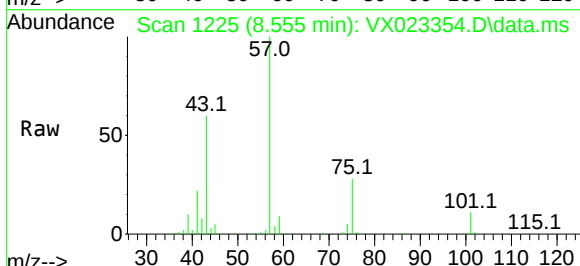


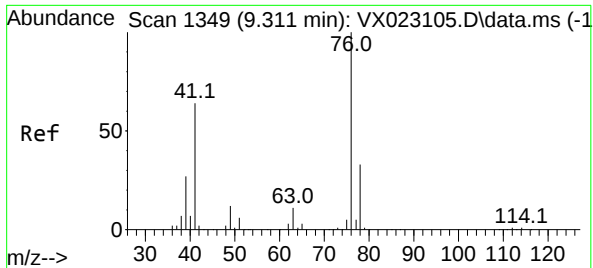
Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.239 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 75 Resp: 44970
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 34.4 35.1 52.7#

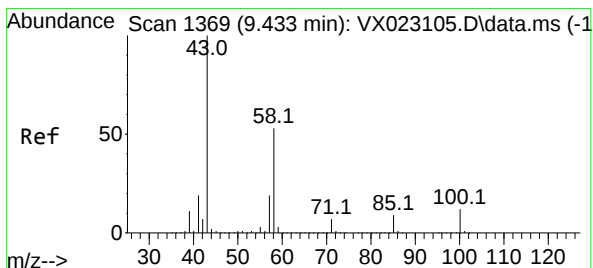
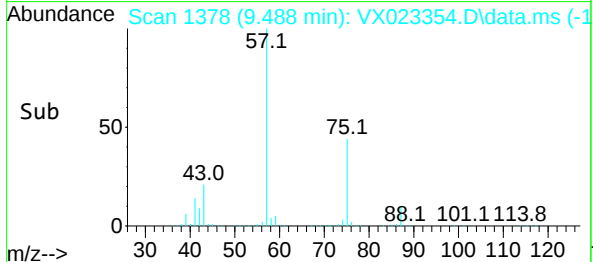
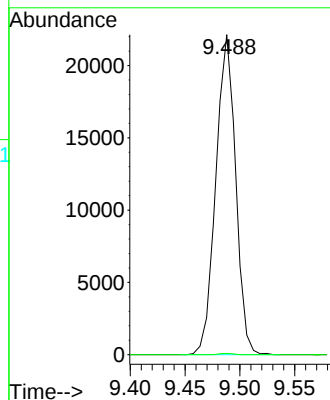
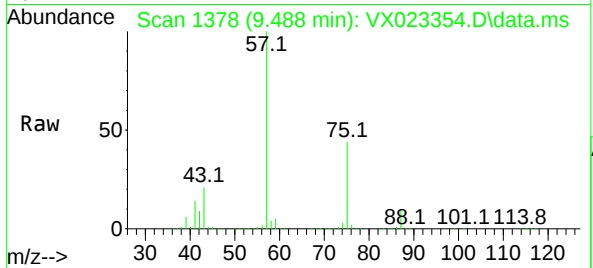




#57
1,3-Dichloropropane
Concen: 7.142 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

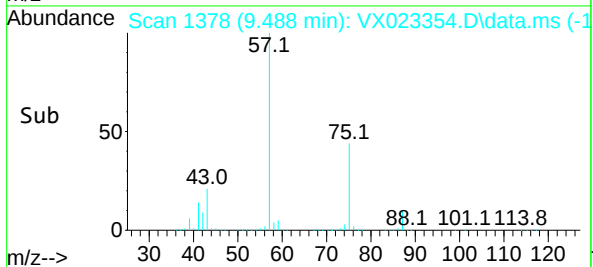
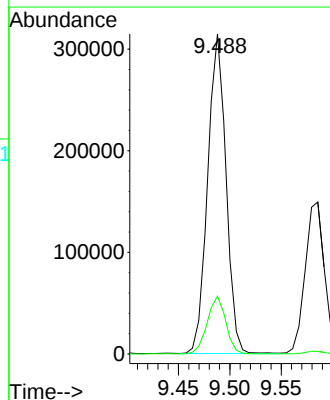
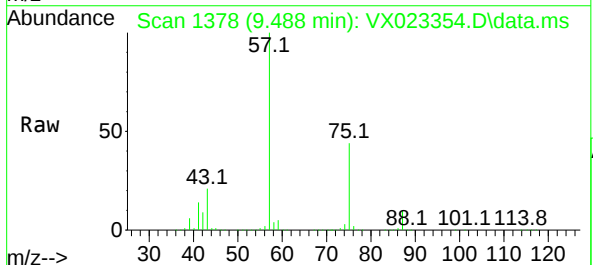
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

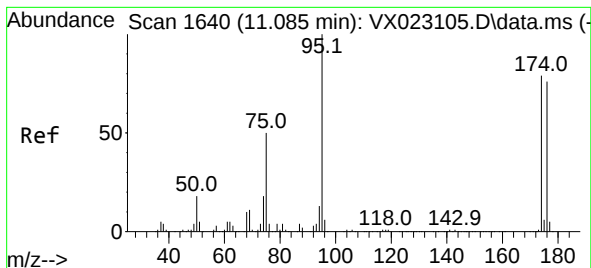
Tgt Ion: 76 Resp: 27834
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 151.591 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 43 Resp: 390832
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#

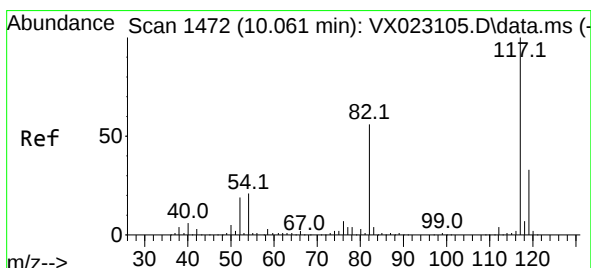
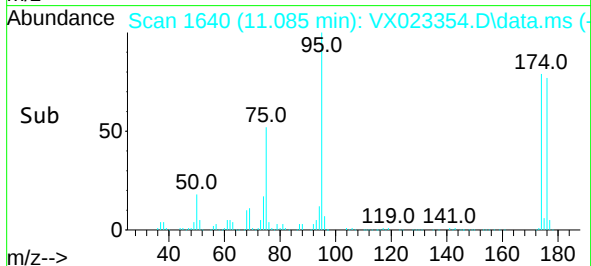
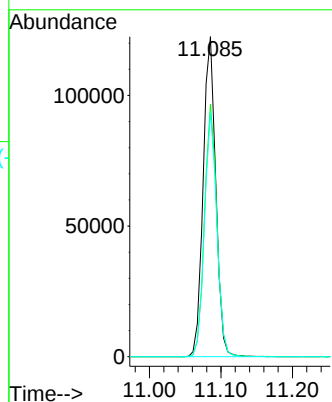
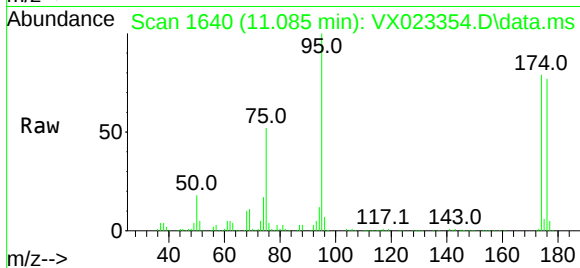




#62
4-Bromofluorobenzene
Concen: 48.150 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

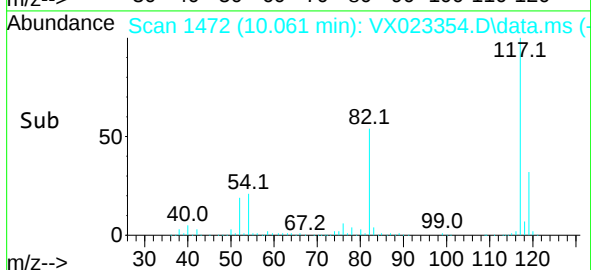
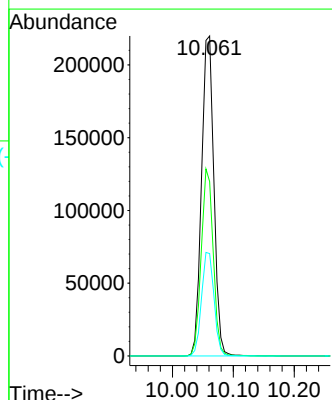
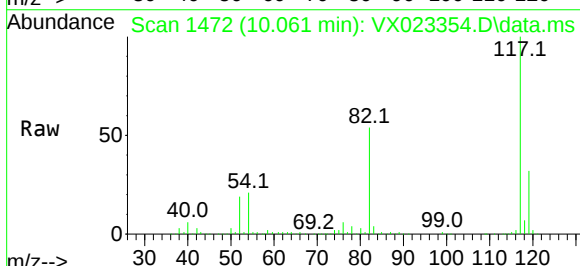
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

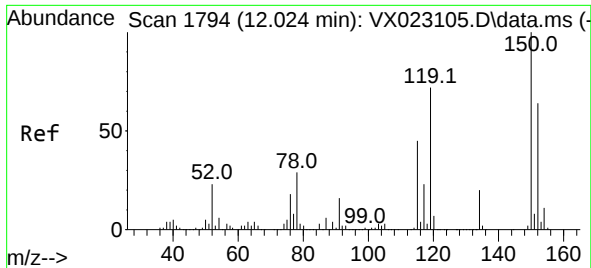
Tgt Ion: 95 Resp: 150105
Ion Ratio Lower Upper
95 100
174 77.6 0.0 154.6
176 75.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 117 Resp: 309999
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 32.0 26.6 39.8

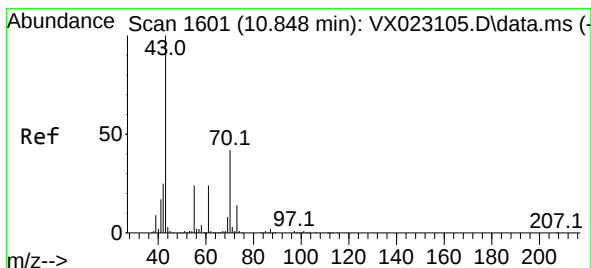
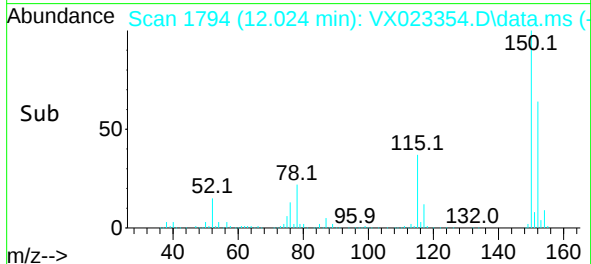
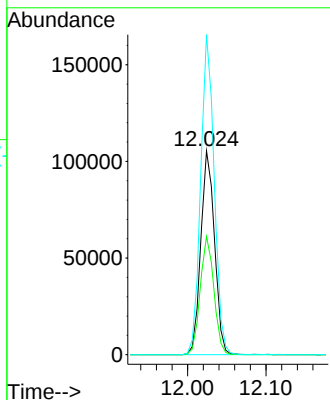
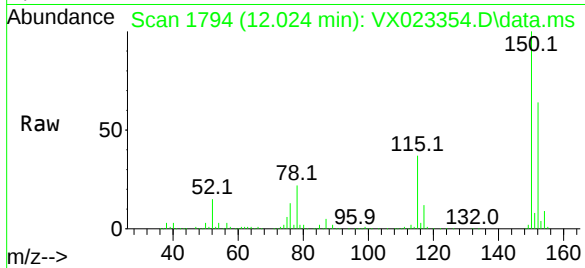




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

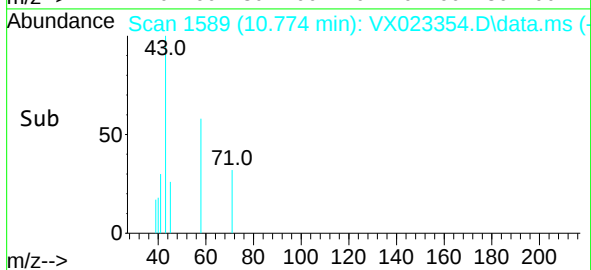
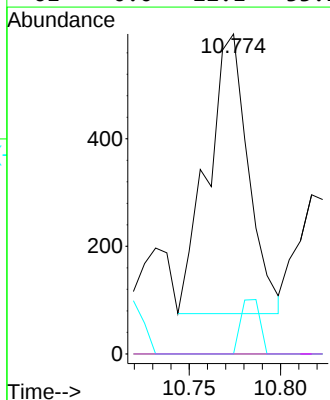
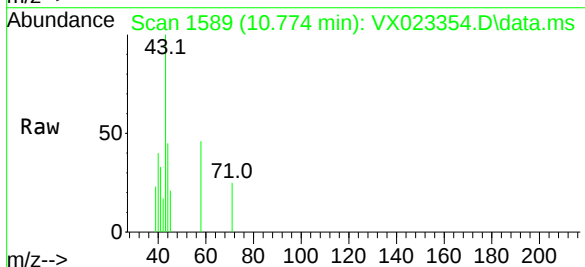
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

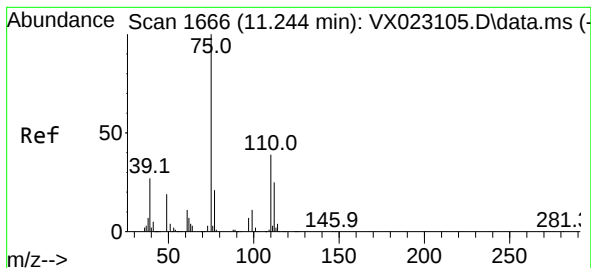
Tgt Ion:152 Resp: 128356
Ion Ratio Lower Upper
152 100
115 57.5 41.1 123.3
150 154.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.211 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 9.1 21.5 32.3#
61 0.0 22.1 33.1#

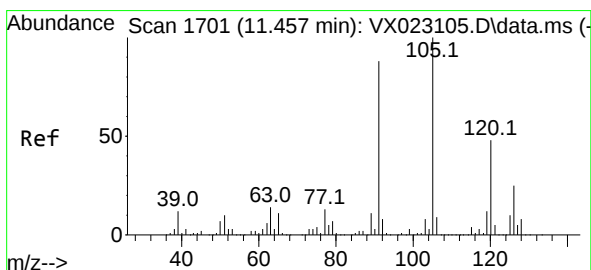
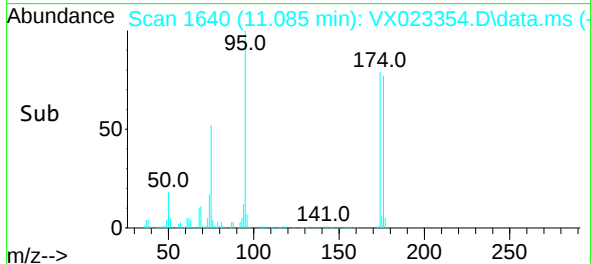
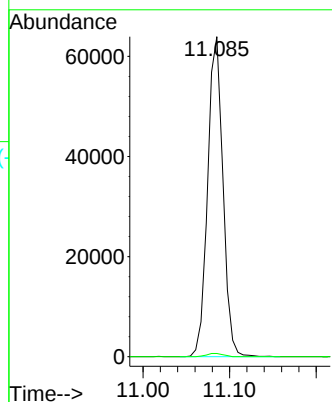
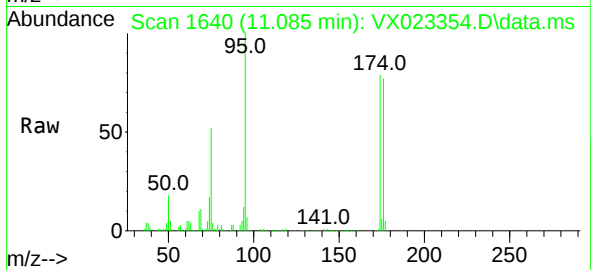




#76
1,2,3-Trichloropropane
Concen: 30.344 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

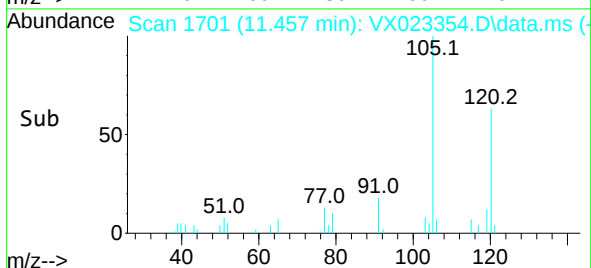
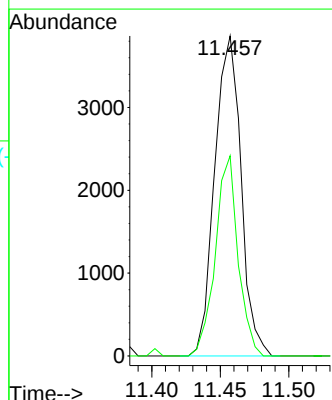
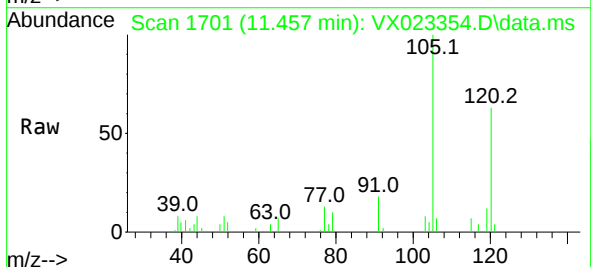
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

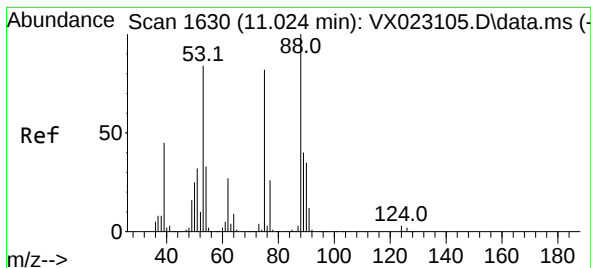
Tgt Ion: 75 Resp: 78376
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.662 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion:105 Resp: 5156
Ion Ratio Lower Upper
105 100
120 54.0 23.8 71.5

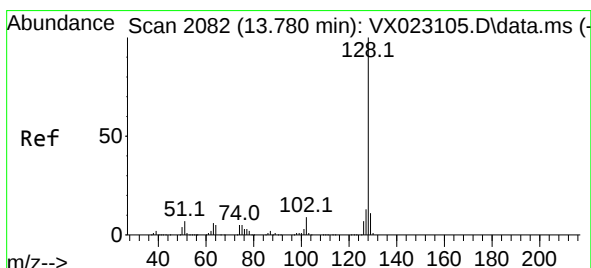
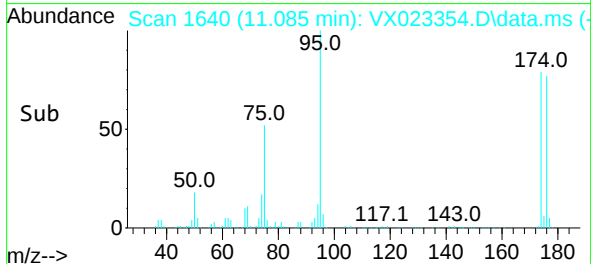
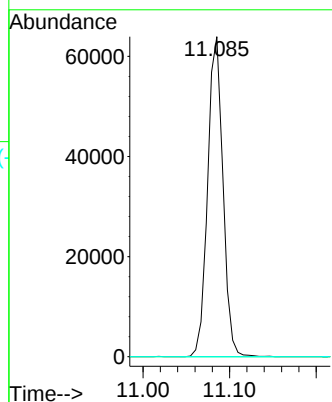
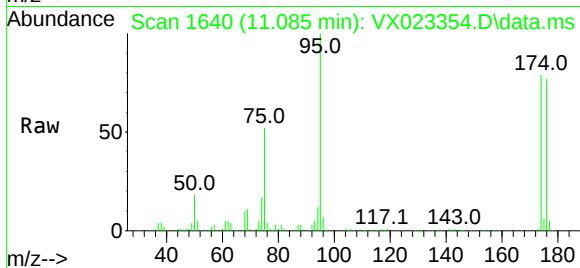




#81
trans-1,4-Dichloro-2-butene
Concen: 81.418 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#07

Tgt Ion: 75 Resp: 78376
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.308 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023354.D
Acq: 19 Jul 2021 20:23

Tgt Ion: 128 Resp: 321
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

