

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023345.D
 Acq On : 19 Jul 2021 16:50
 Operator : JC/MD
 Sample : PB137749ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#10

Quant Time: Jul 20 05:26:25 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)

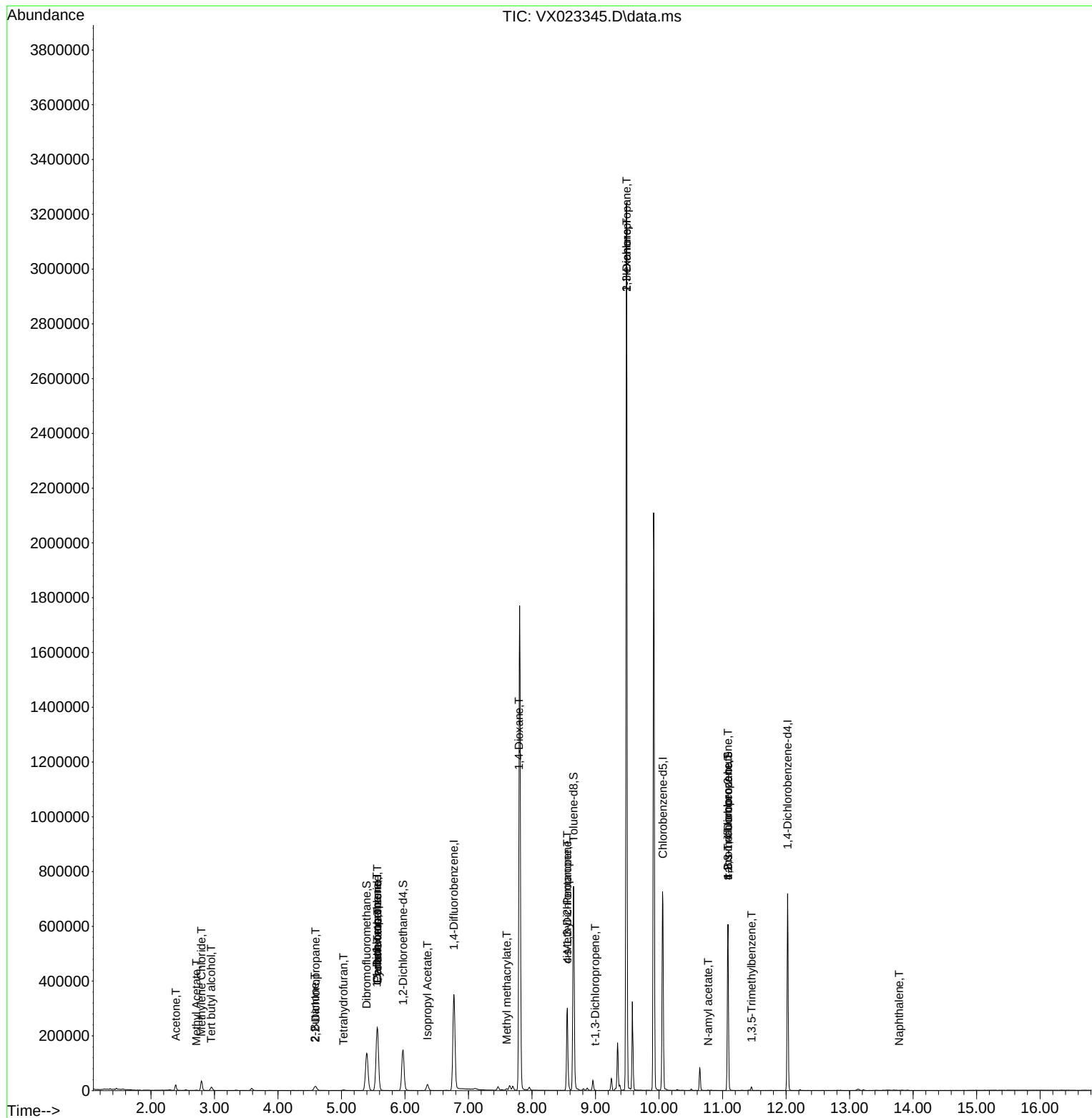
Internal Standards						
1) Pentafluorobenzene	5.562	168	216565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	324274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	155130	53.298	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.600%			
35) Dibromofluoromethane	5.397	113	116555	51.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.653	98	425821	50.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.460%			
62) 4-Bromofluorobenzene	11.085	95	160011	48.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	335	Below Cal	#	42
11) Tert butyl alcohol	2.947	59	7346	11.997	ug/l #	76
16) Acetone	2.392	43	21068	18.296	ug/l #	87
18) Methyl Acetate	2.715	43	1654	0.592	ug/l	98
20) Methylene Chloride	2.794	84	15865	6.399	ug/l	94
25) 2-Butanone	4.580	43	5617	3.235	ug/l #	89
26) 2,2-Dichloropropane	4.593	77	958	0.286	ug/l #	52
29) Tetrahydrofuran	5.032	42	1802	1.614	ug/l #	74
31) Cyclohexane	5.568	56	4562	1.309	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17078	5.443	ug/l #	49
38) Carbon Tetrachloride	5.562	117	22943	7.006	ug/l #	17
43) Isopropyl Acetate	6.355	43	29228	5.134	ug/l	93
48) Methyl methacrylate	7.604	41	7484	2.679	ug/l #	10
49) 1,4-Dioxane	7.793	88	155	2.465	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	104961	29.754	ug/l #	45
53) t-1,3-Dichloropropene	8.994	75	52	2.749	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	46635	13.104	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	26736	6.534	ug/l #	43
59) 2-Hexanone	9.488	43	330596	122.140	ug/l #	46
74) N-amyl acetate	10.774	43	967	0.229	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	83103	29.182	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	5559	0.648	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	83103	78.484	ug/l #	12
95) Naphthalene	13.780	128	481	1.320	ug/l #	69

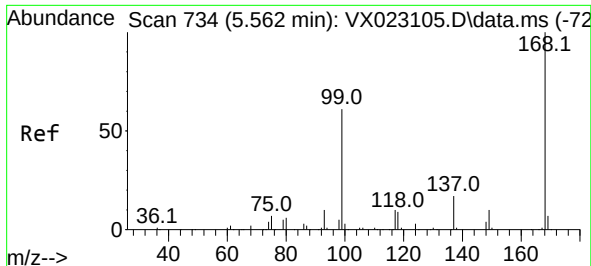
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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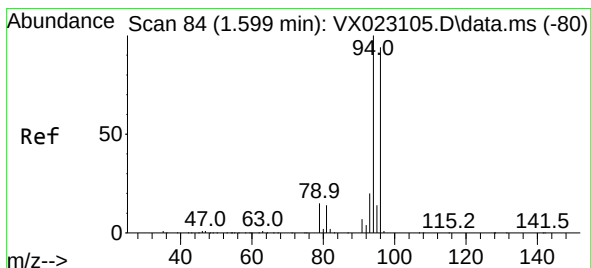
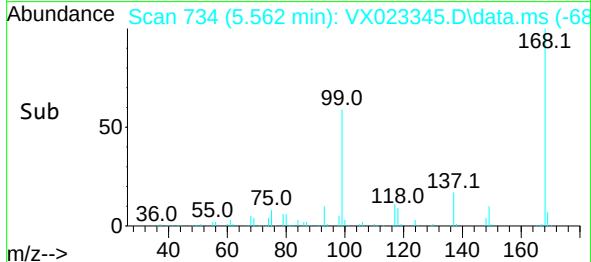
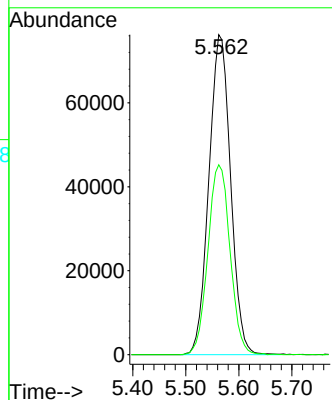
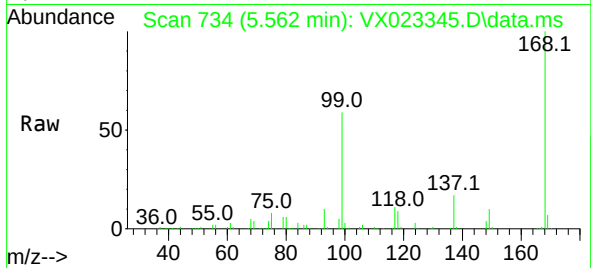




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

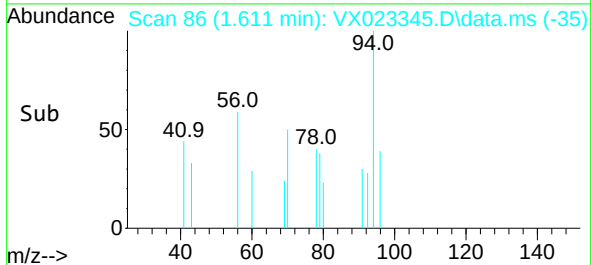
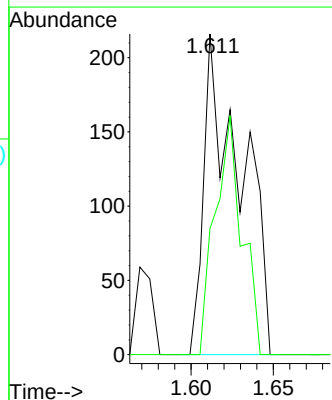
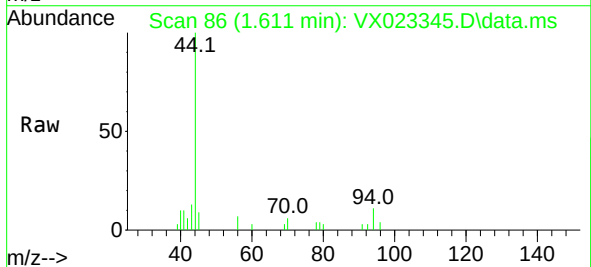
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

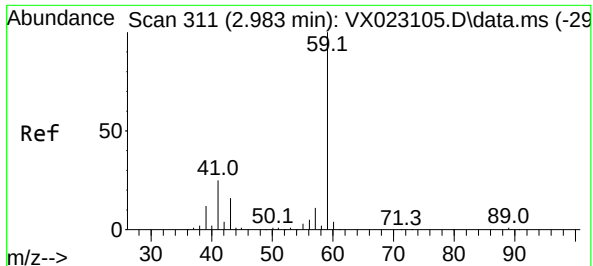
Tgt Ion:168 Resp: 216565
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 94 Resp: 335
Ion Ratio Lower Upper
94 100
96 39.4 76.4 114.6#



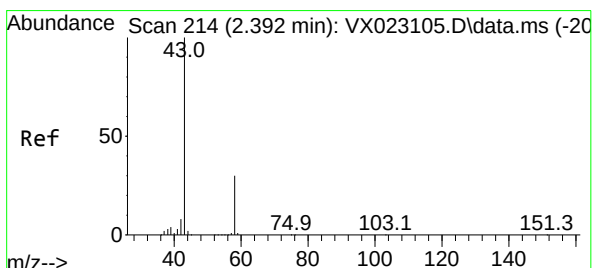
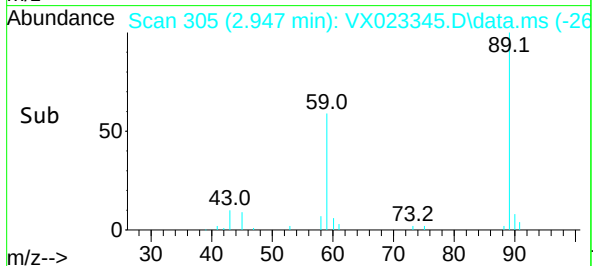
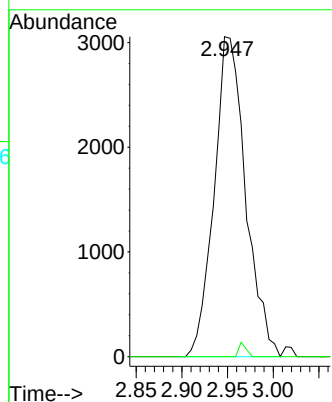
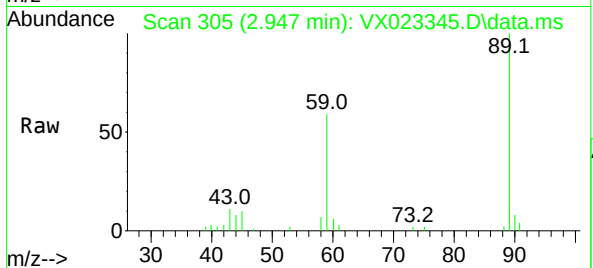


#11

Tert butyl alcohol
Concen: 11.997 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

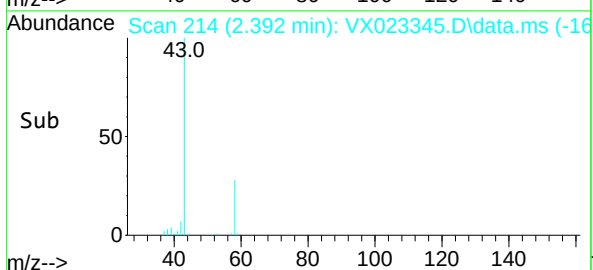
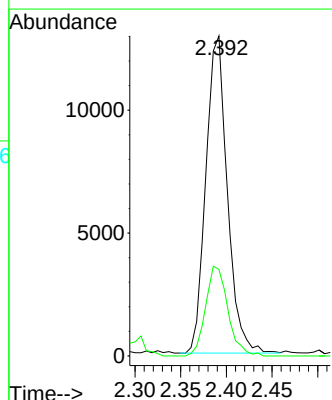
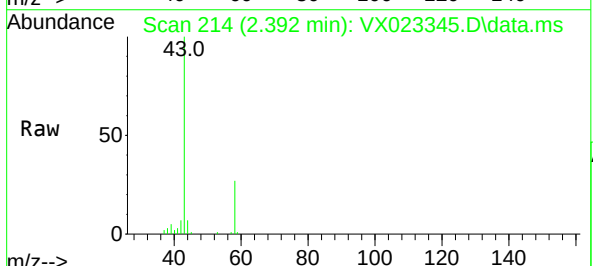
Tgt Ion: 59 Resp: 7346
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#

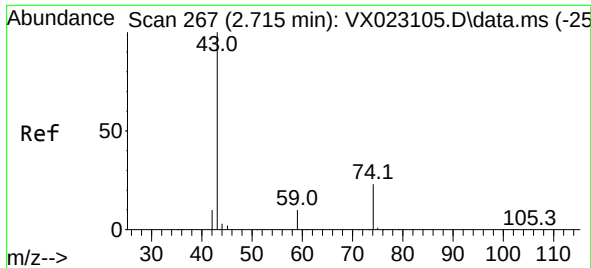


#16

Acetone
Concen: 18.296 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 21068
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#

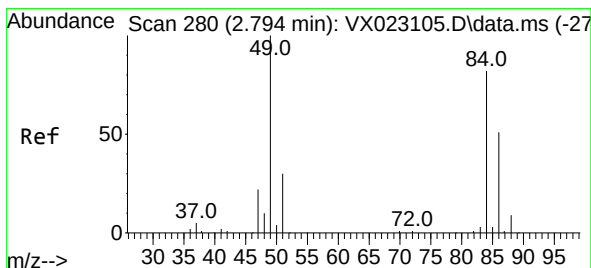
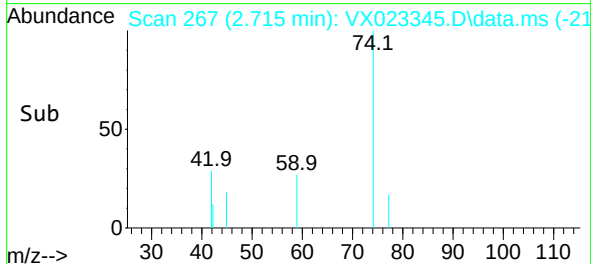
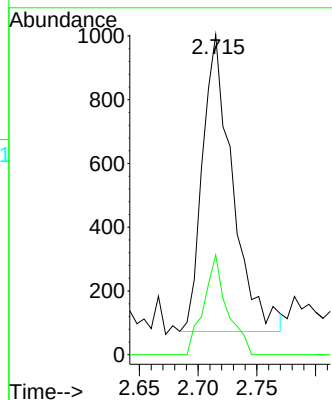
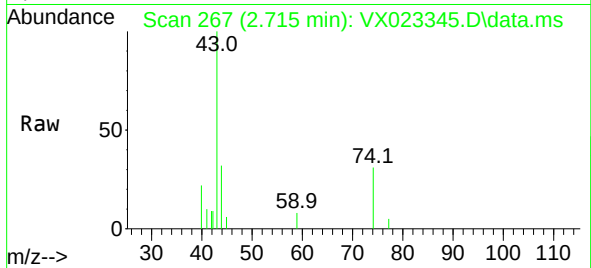




#18
Methyl Acetate
Concen: 0.592 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

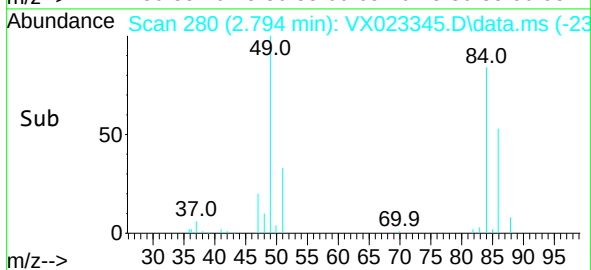
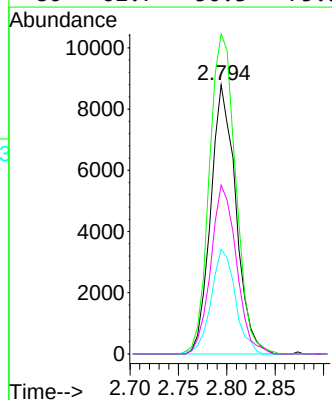
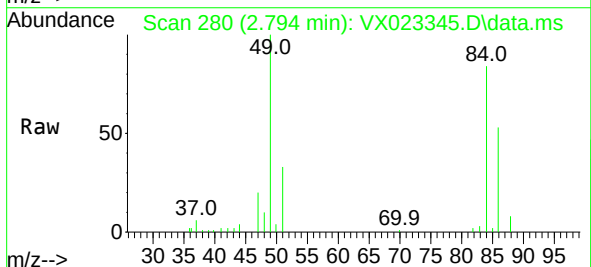
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

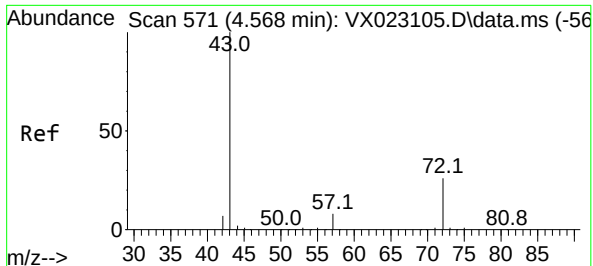
Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
74 26.2 21.9 32.9



#20
Methylene Chloride
Concen: 6.399 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 84 Resp: 15865
Ion Ratio Lower Upper
84 100
49 118.9 88.6 132.8
51 39.0 27.0 40.6
86 62.7 50.3 75.5





#25

2-Butanone

Concen: 3.235 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023345.D

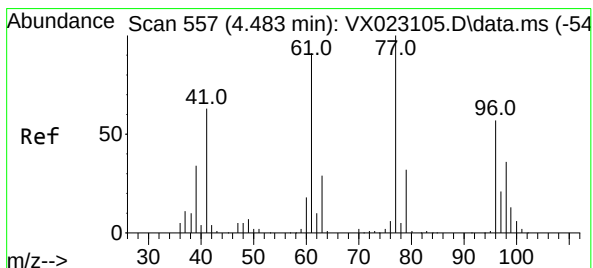
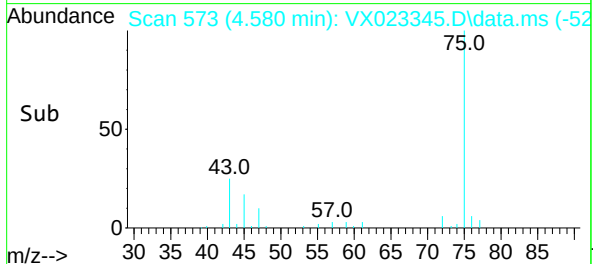
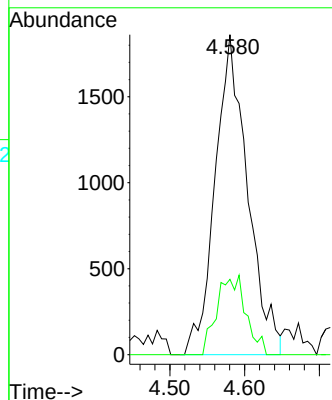
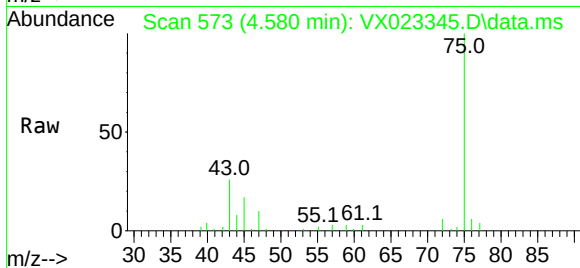
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 5617

Ion Ratio Lower Upper

43 100

72 23.5 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.286 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.110 min

Lab File: VX023345.D

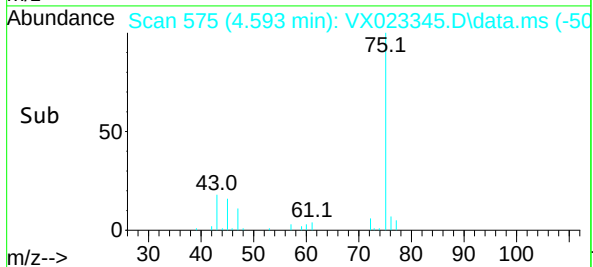
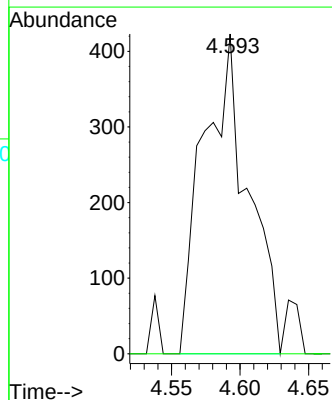
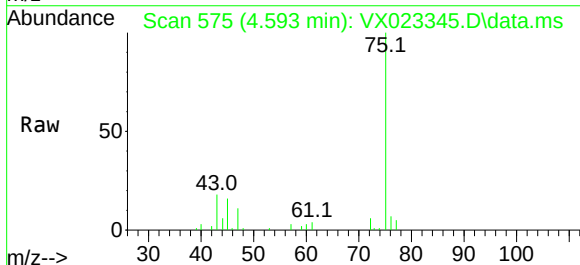
Acq: 19 Jul 2021 16:50

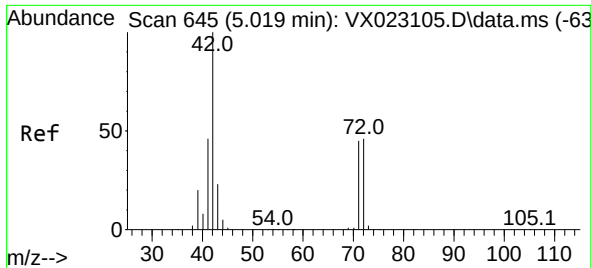
Tgt Ion: 77 Resp: 958

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 1.614 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023345.D

Acq: 19 Jul 2021 16:50

Tgt Ion: 42 Resp: 1802

Ion Ratio Lower Upper

42 100

72 40.3 41.7 62.5#

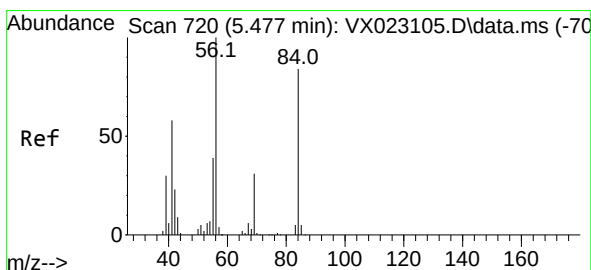
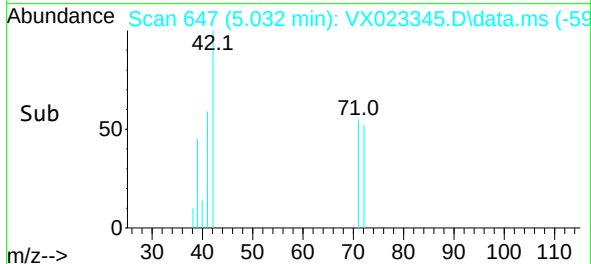
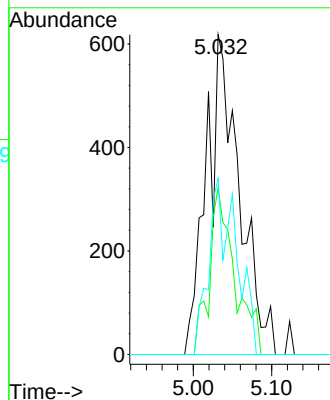
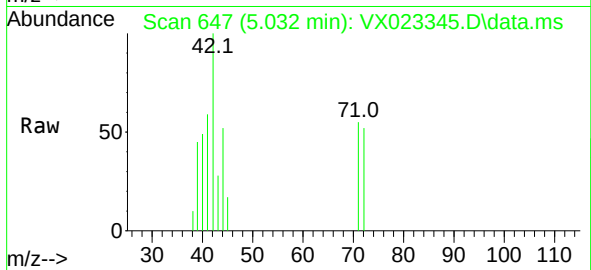
71 23.7 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#10



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX023345.D

Acq: 19 Jul 2021 16:50

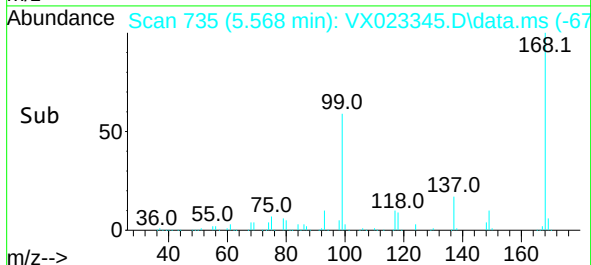
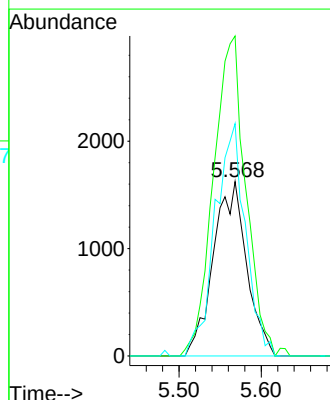
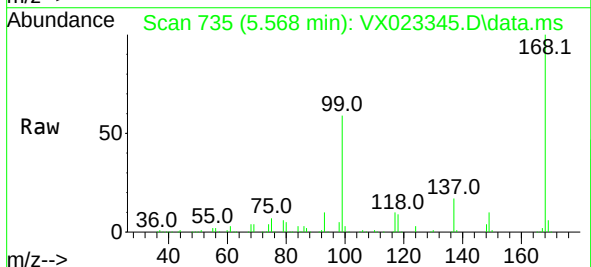
Tgt Ion: 56 Resp: 4562

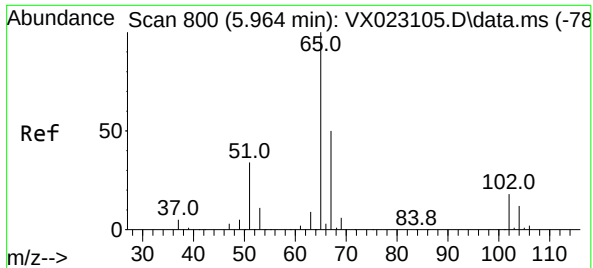
Ion Ratio Lower Upper

56 100

69 183.5 25.3 37.9#

84 133.2 71.4 107.0#

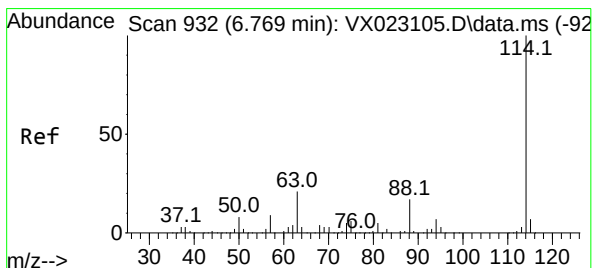
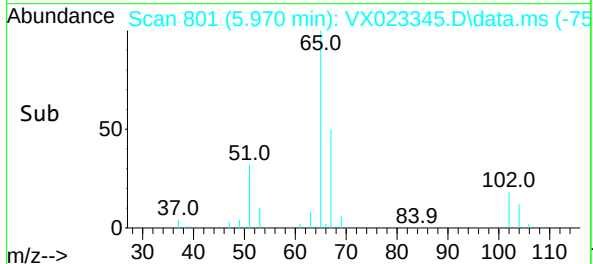
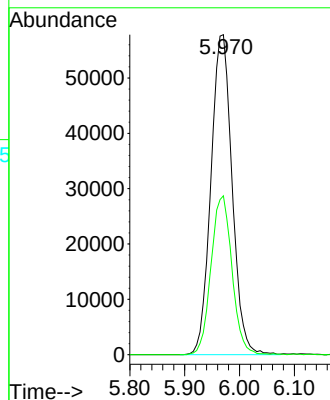
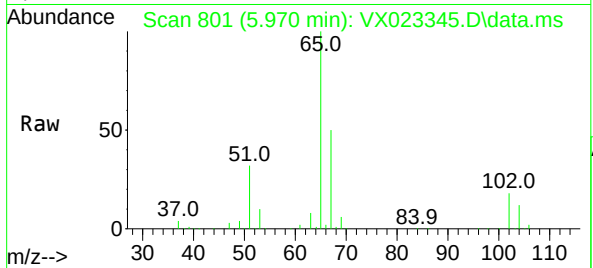




#33
 1,2-Dichloroethane-d4
 Concen: 53.298 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX023345.D
 Acq: 19 Jul 2021 16:50

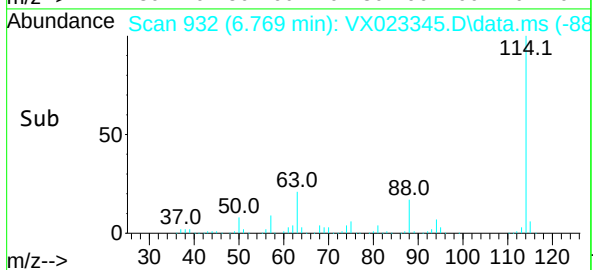
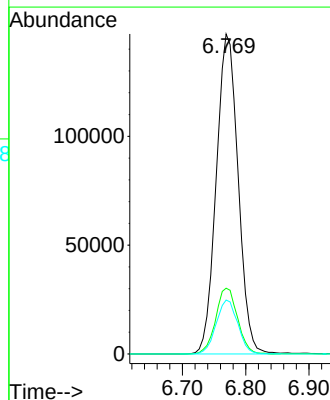
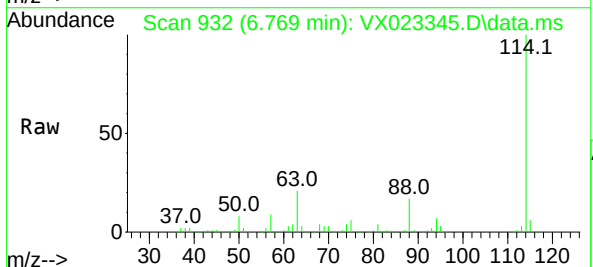
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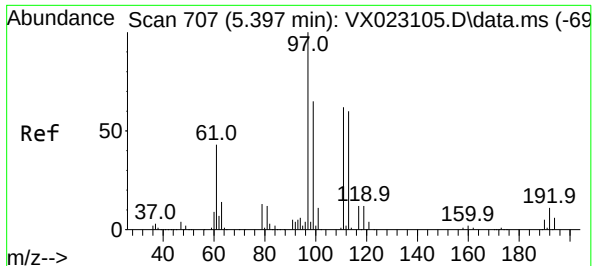
Tgt Ion: 65 Resp: 155130
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023345.D
 Acq: 19 Jul 2021 16:50

Tgt Ion: 114 Resp: 351938
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.286 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023345.D

Acq: 19 Jul 2021 16:50

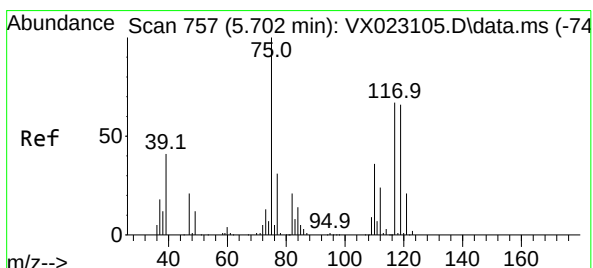
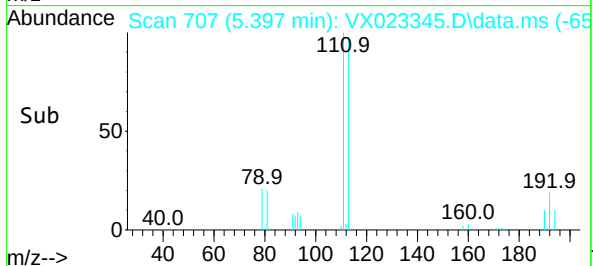
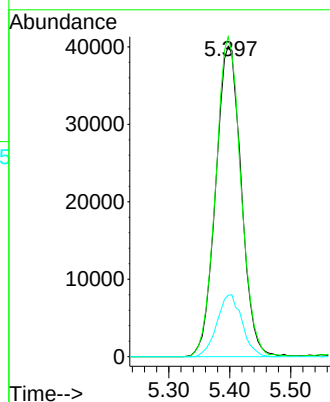
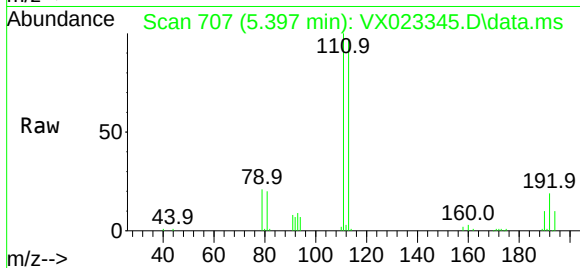
Tgt Ion:113 Resp: 116555

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 19.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.443 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023345.D

Acq: 19 Jul 2021 16:50

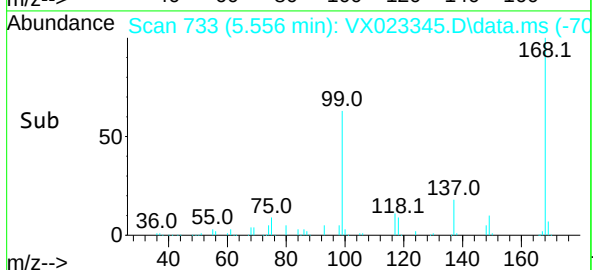
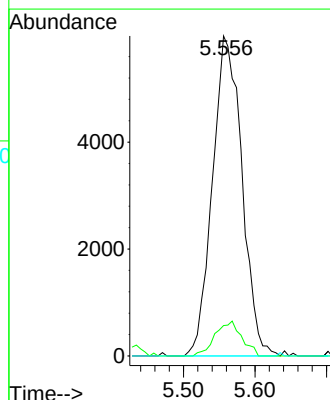
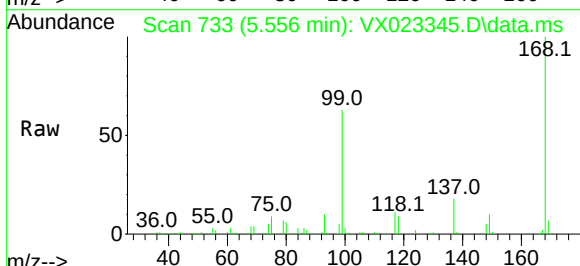
Tgt Ion: 75 Resp: 17078

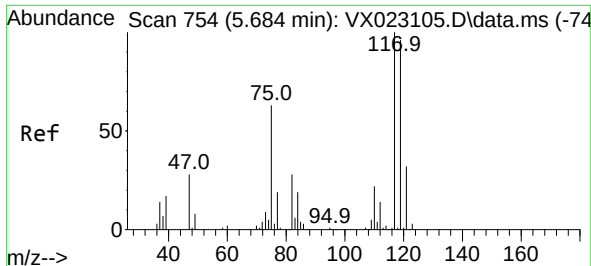
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

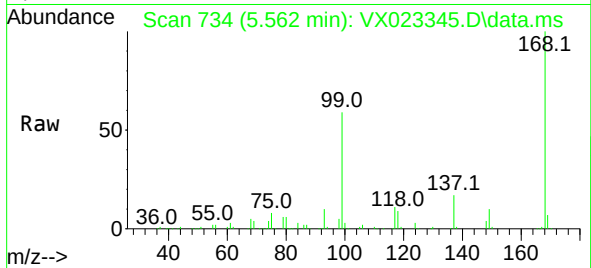
77 0.0 25.3 37.9#



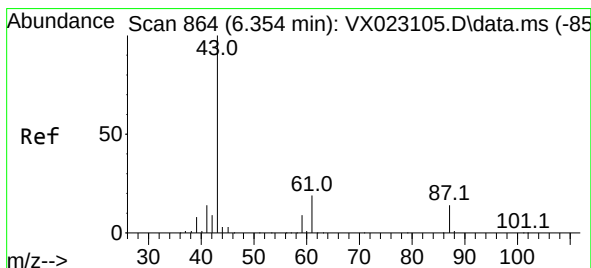
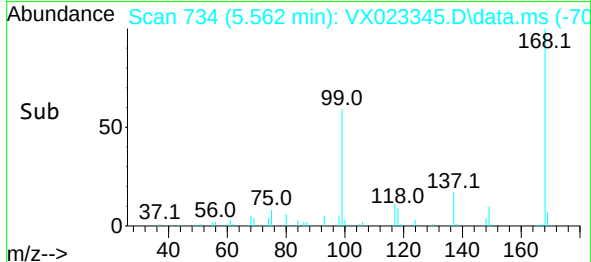
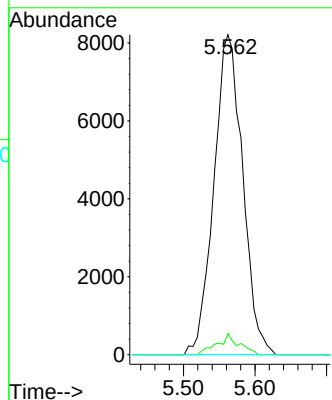


#38
Carbon Tetrachloride
Concen: 7.006 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

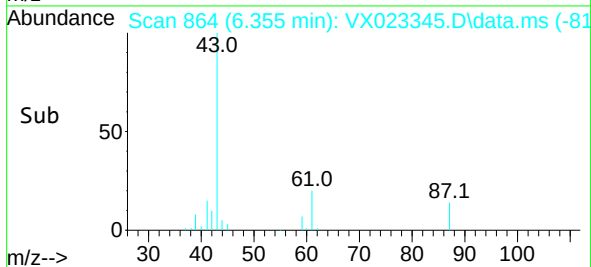
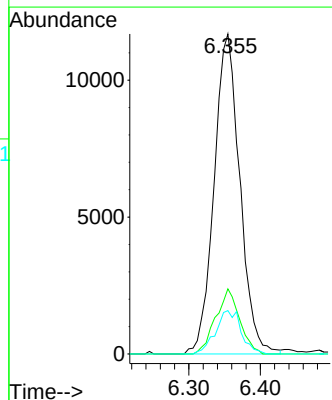
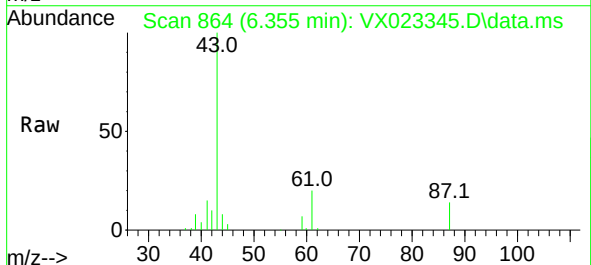


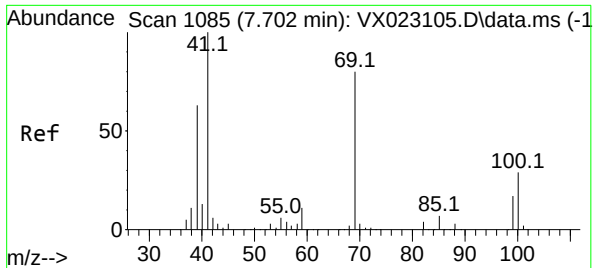
Tgt Ion:117 Resp: 22943
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.134 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 29228
Ion Ratio Lower Upper
43 100
61 18.9 18.2 27.4
87 13.5 12.5 18.7

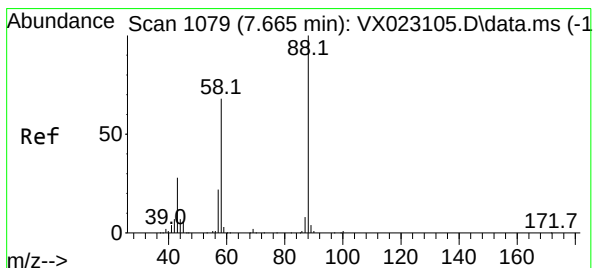
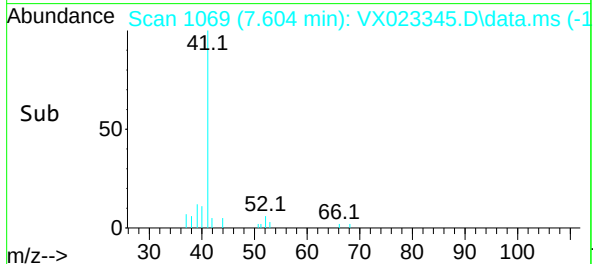
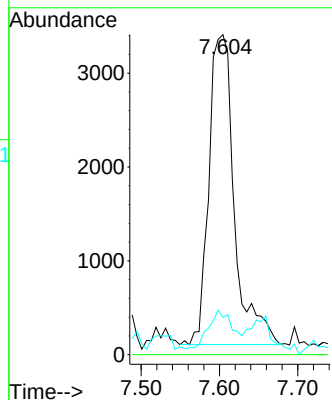
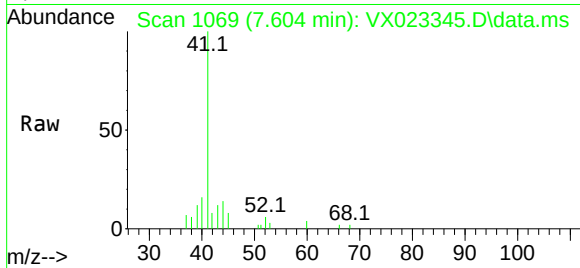




#48
Methyl methacrylate
Concen: 2.679 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

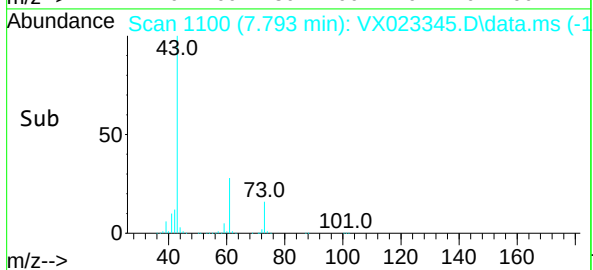
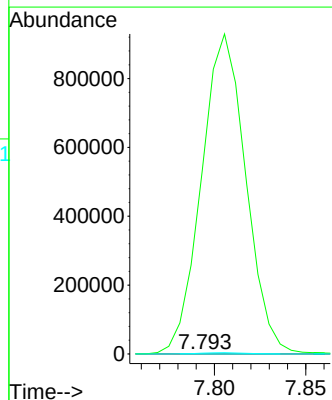
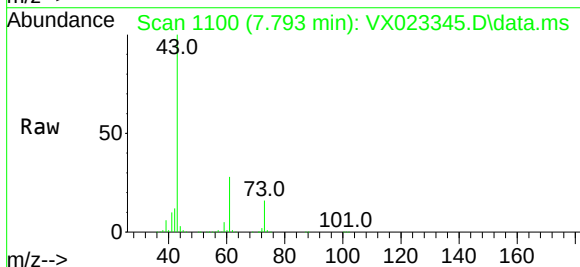
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

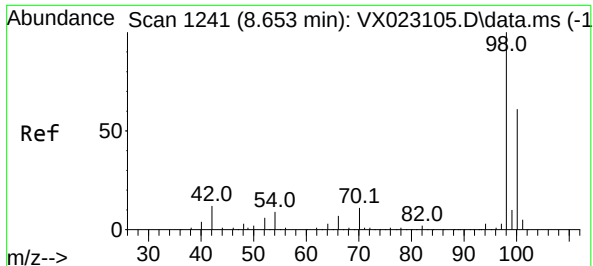
Tgt Ion: 41 Resp: 7484
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.465 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 1019982.6 23.2 34.8#
58 4310.3 55.0 82.4#

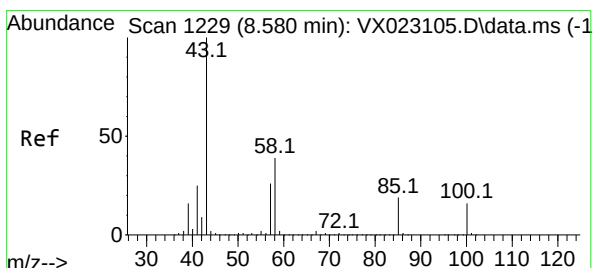
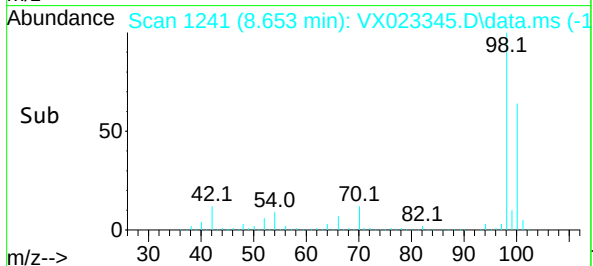
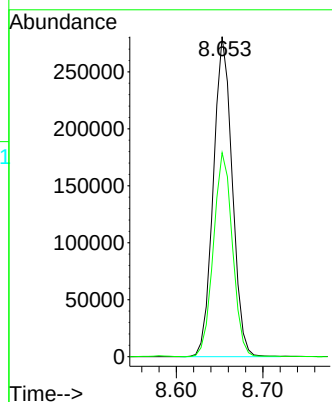
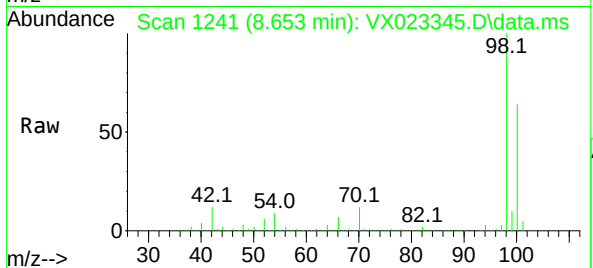




#50
Toluene-d8
Concen: 50.229 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

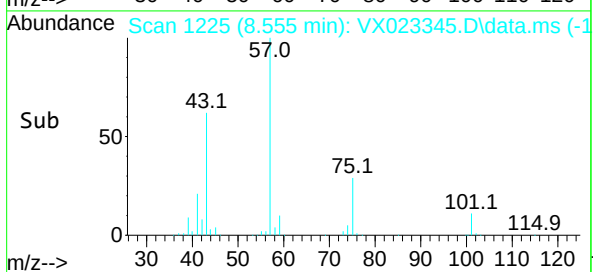
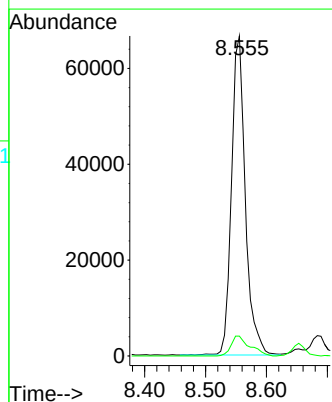
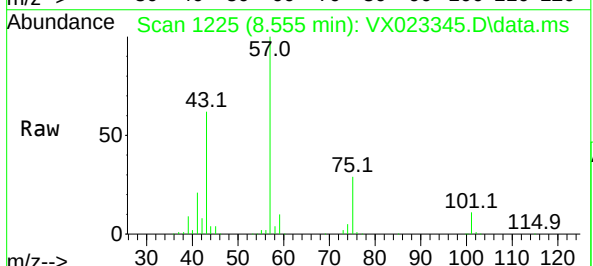
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

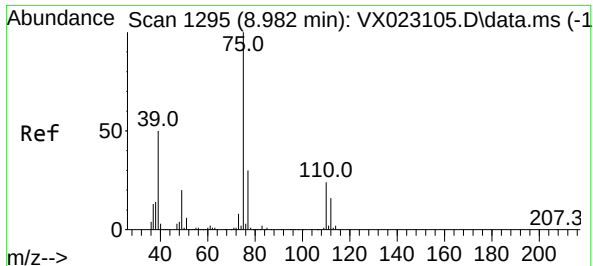
Tgt Ion: 98 Resp: 425821
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.754 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 104961
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

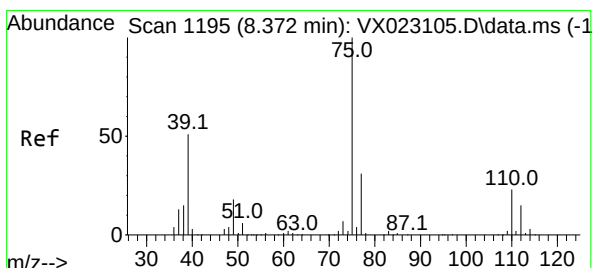
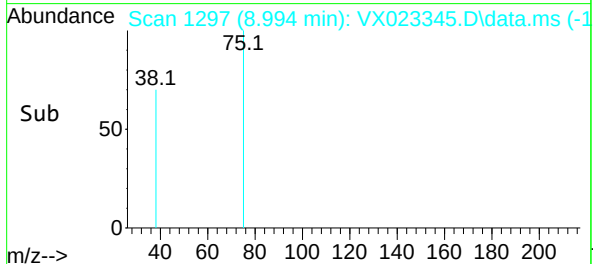
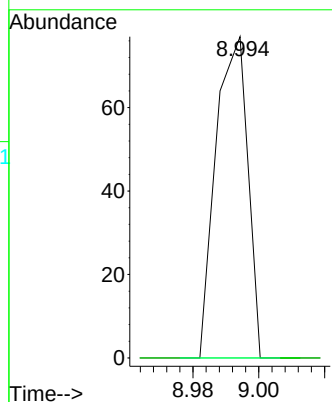
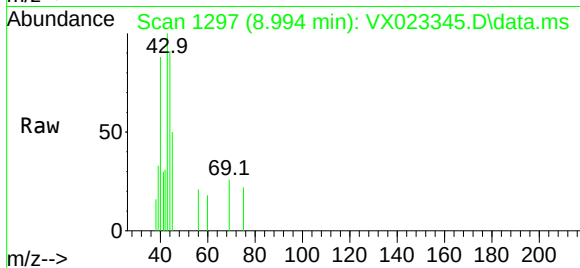




#53
t-1,3-Dichloropropene
Concen: 2.749 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

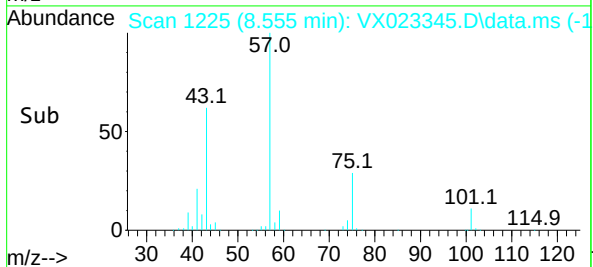
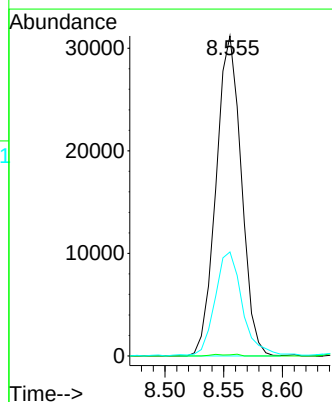
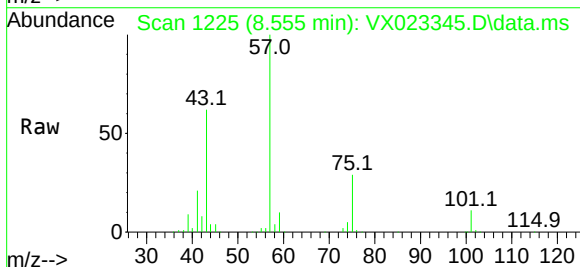
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

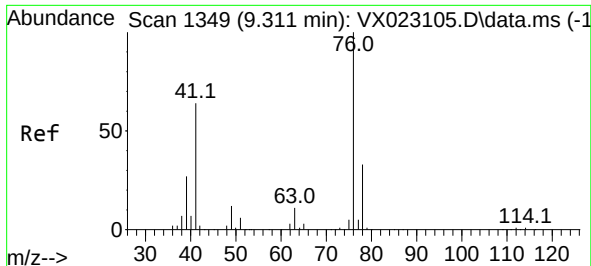
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.104 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 75 Resp: 46635
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 32.1 35.1 52.7#



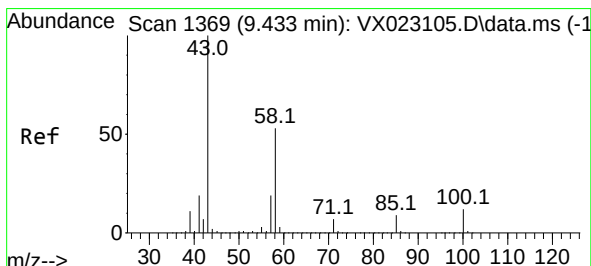
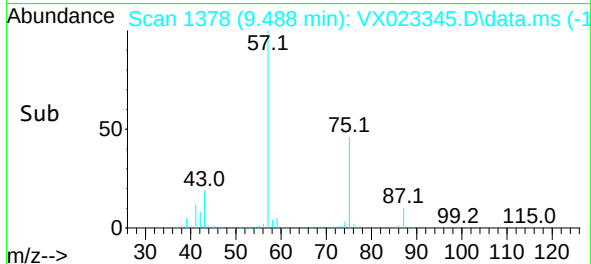
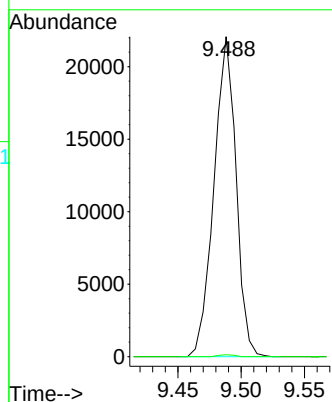
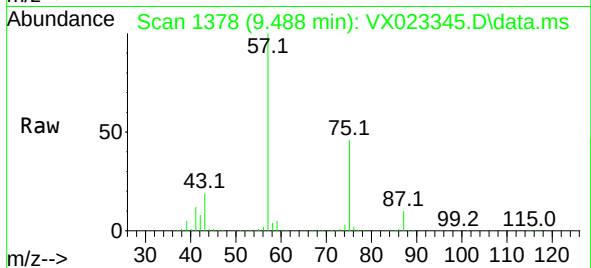


#57

1,3-Dichloropropane
Concen: 6.534 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

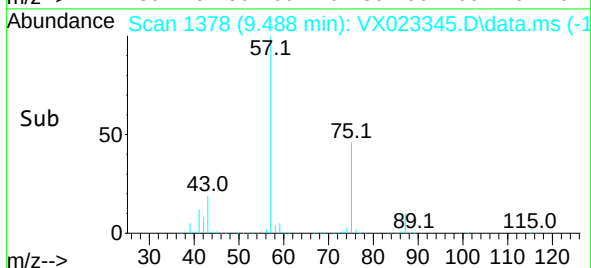
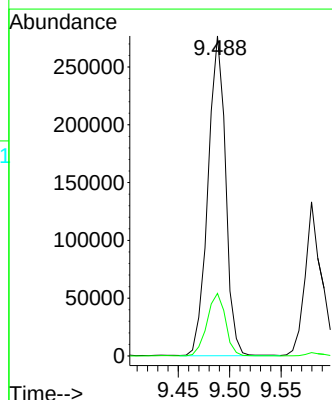
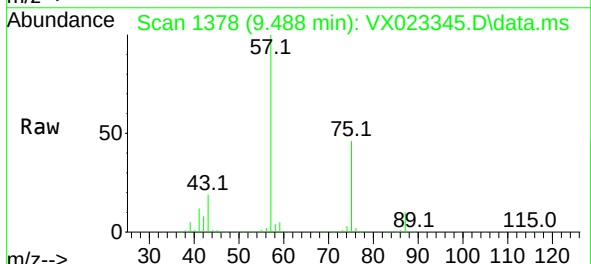
Tgt Ion: 76 Resp: 26736
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

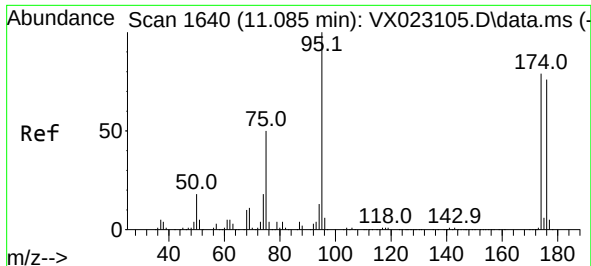


#59

2-Hexanone
Concen: 122.140 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 330596
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#

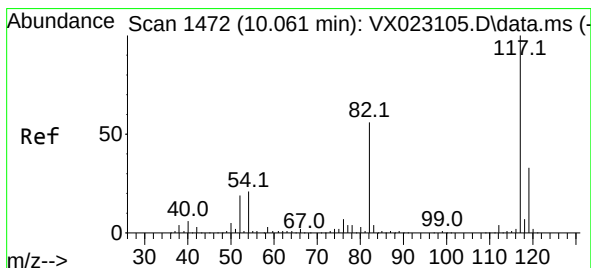
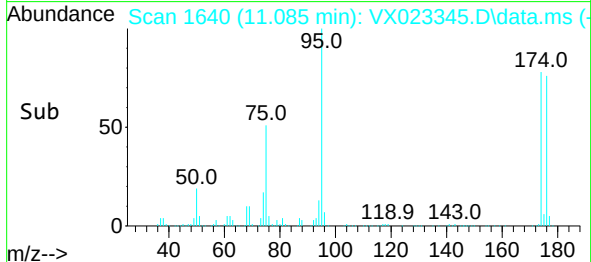
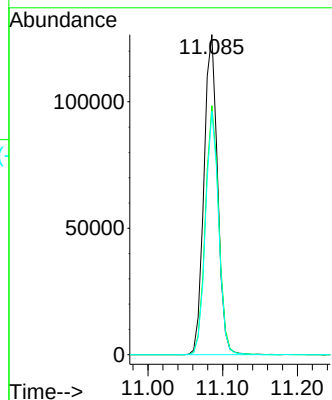
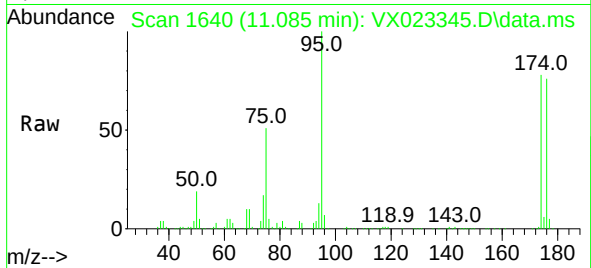




#62
4-Bromofluorobenzene
Concen: 48.891 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

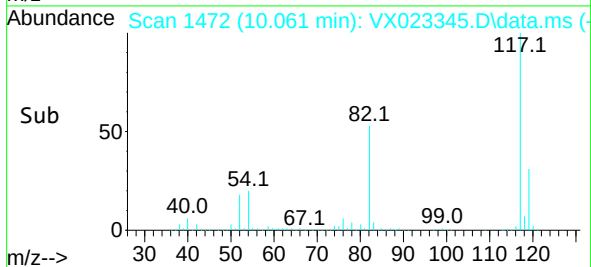
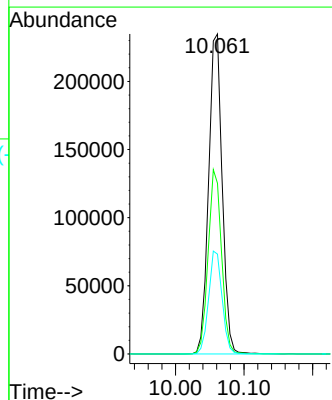
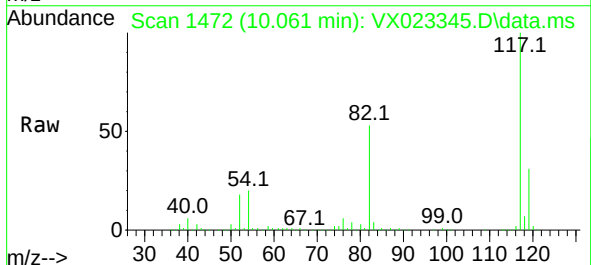
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

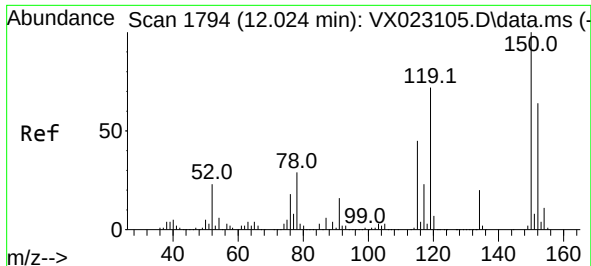
Tgt Ion: 95 Resp: 160011
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 73.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 117 Resp: 324274
Ion Ratio Lower Upper
117 100
82 53.4 47.4 71.2
119 31.2 26.6 39.8

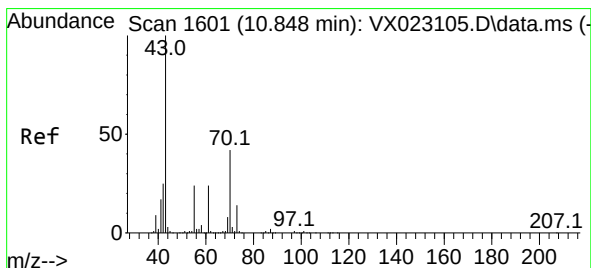
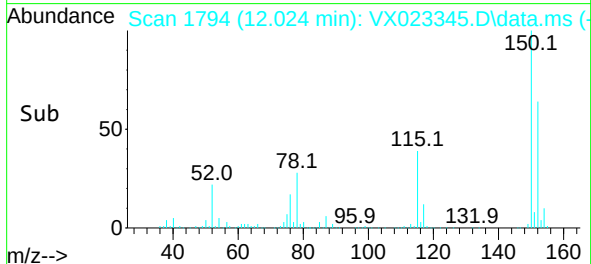
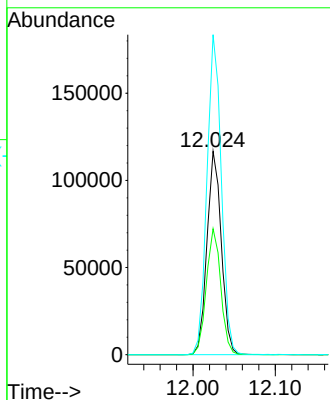
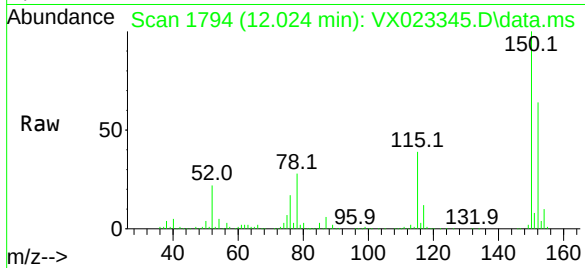




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

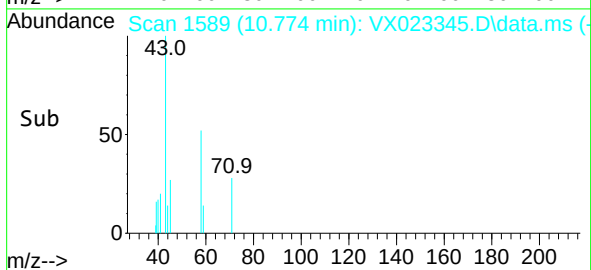
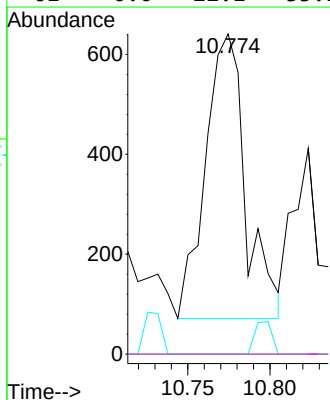
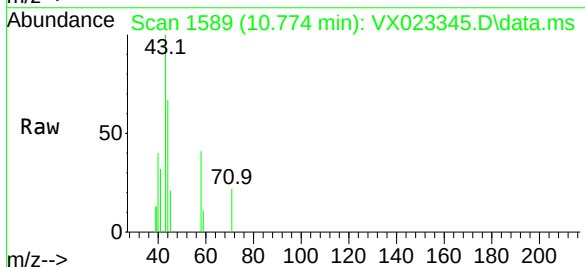
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

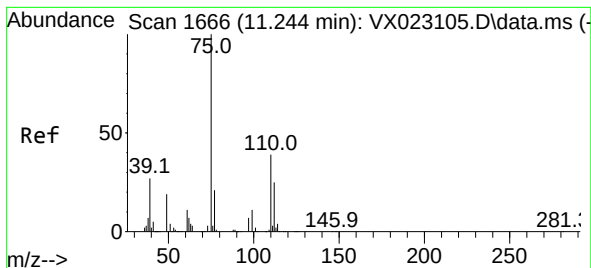
Tgt Ion:152 Resp: 141514
Ion Ratio Lower Upper
152 100
115 62.3 41.1 123.3
150 157.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

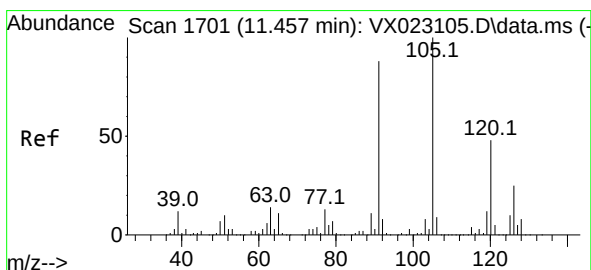
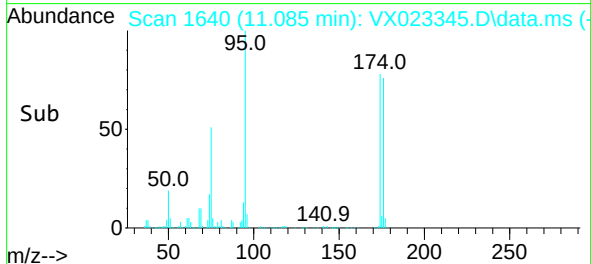
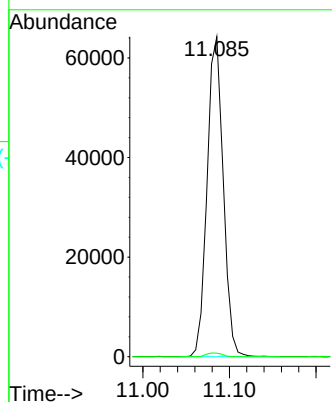
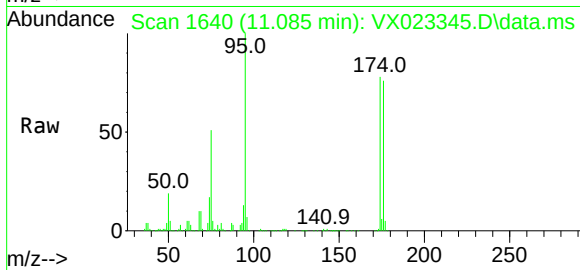




#76
1,2,3-Trichloropropane
Concen: 29.182 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

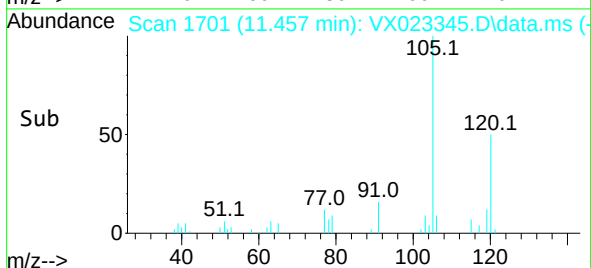
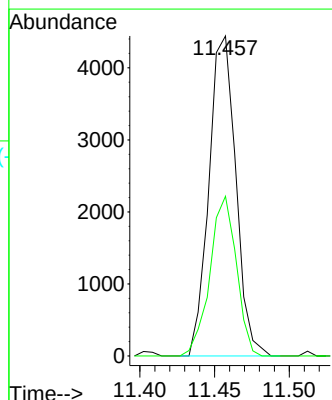
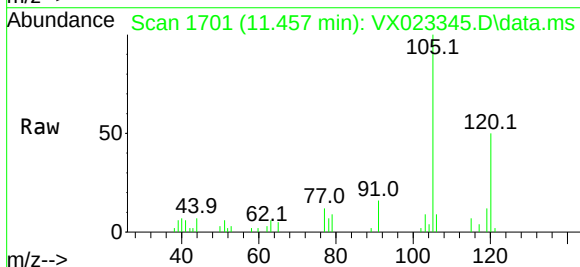
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

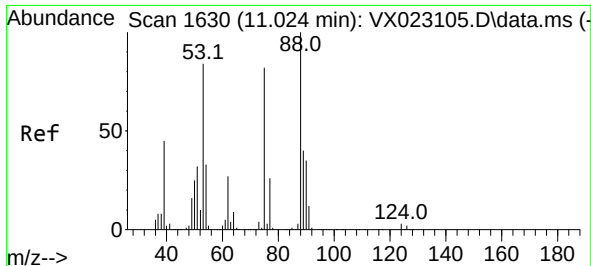
Tgt Ion: 75 Resp: 83103
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.648 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 105 Resp: 5559
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.5

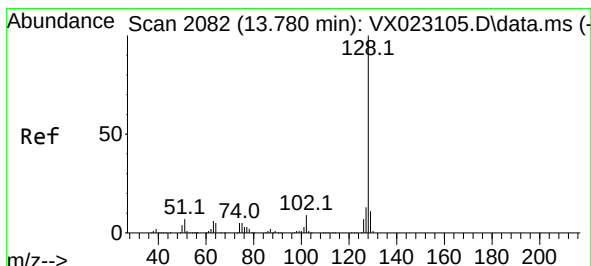
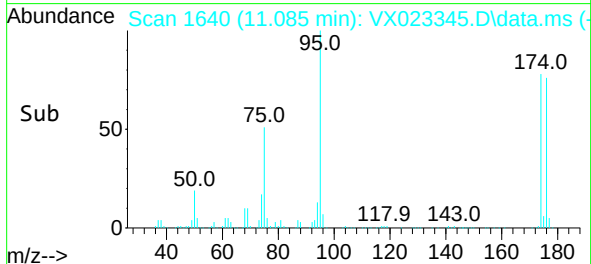
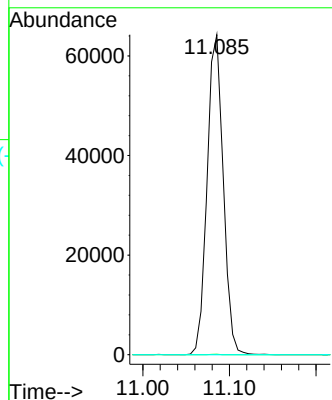
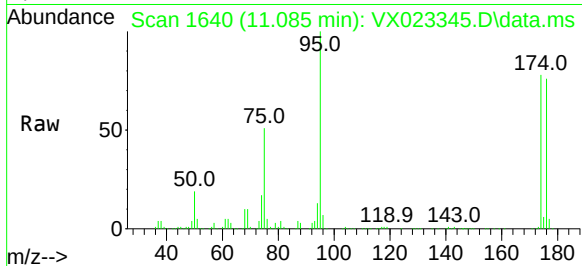




#81
trans-1,4-Dichloro-2-butene
Concen: 78.484 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#10

Tgt Ion: 75 Resp: 83103
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.320 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023345.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 128 Resp: 481
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

