

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032239.D
 Acq On : 20 Oct 2022 04:09
 Operator : JC/MD
 Sample : PB148361ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

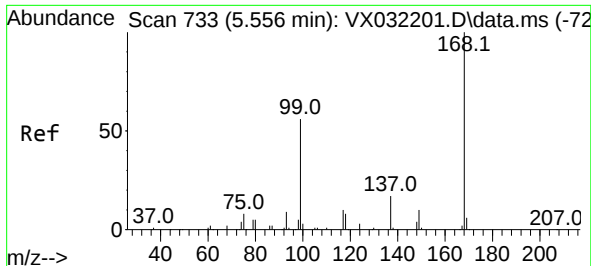
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#05

Quant Time: Oct 20 05:28:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	142311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97151	52.477	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.960%			
35) Dibromofluoromethane	5.385	113	72570	44.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.460%			
50) Toluene-d8	8.647	98	270126	46.251	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.500%			
62) 4-Bromofluorobenzene	11.079	95	98025	45.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.660%			
Target Compounds					Qvalue	
3) Chloromethane	1.246	50	4668	1.883	ug/l #	44
6) Chloroethane	1.703	64	80	2.008	ug/l #	41
11) Tert butyl alcohol	2.947	59	5734	Below Cal	#	74
16) Acetone	2.392	43	14137	23.531	ug/l	96
18) Methyl Acetate	2.709	43	1188	0.582	ug/l #	73
20) Methylene Chloride	2.794	84	7772	5.038	ug/l	97
25) 2-Butanone	4.581	43	1876	2.000	ug/l	98
31) Cyclohexane	5.556	56	3297	1.558	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	11052	5.295	ug/l #	50
37) Ethyl Acetate	4.721	43	17968	8.793	ug/l	100
38) Carbon Tetrachloride	5.550	117	14514	6.588	ug/l #	18
41) Methacrylonitrile	5.019	41	281	0.261	ug/l #	47
43) Isopropyl Acetate	6.336	43	83687	26.093	ug/l	99
48) Methyl methacrylate	7.799	41	78025	48.780	ug/l #	43
49) 1,4-Dioxane	7.799	88	118	3.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	73198	36.408	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	630	2.075	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32856	14.025	ug/l #	64
56) Ethyl methacrylate	9.250	69	673	0.294	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4208	1.632	ug/l #	42
59) 2-Hexanone	9.482	43	60697	40.461	ug/l #	51
74) N-amyl acetate	10.817	43	780	0.302	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	54003	27.773	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	54003	85.198	ug/l #	6

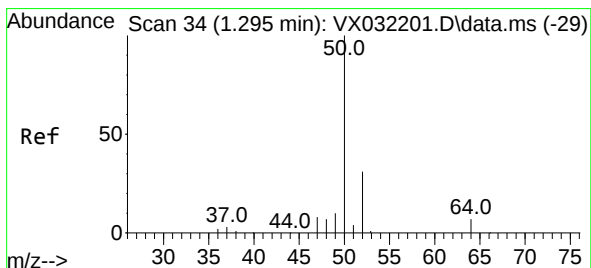
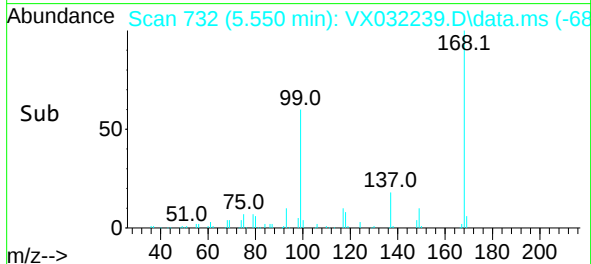
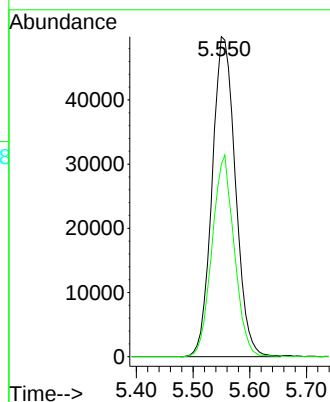
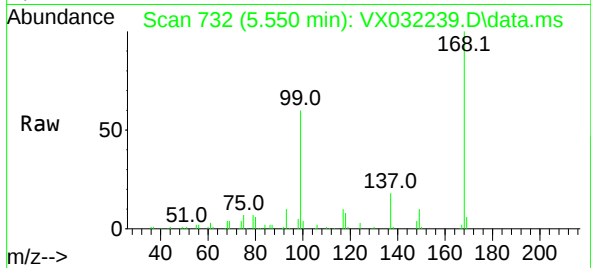
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

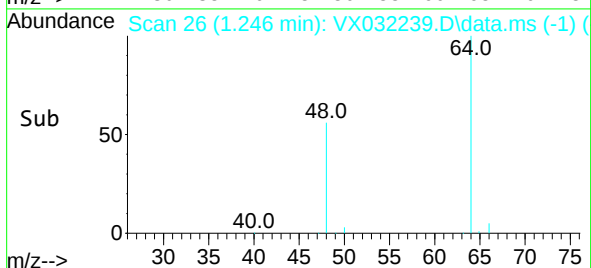
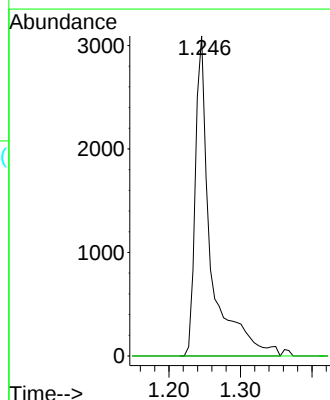
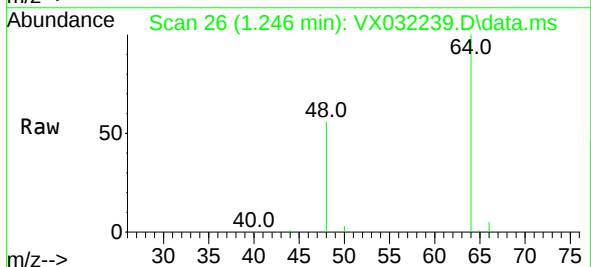
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

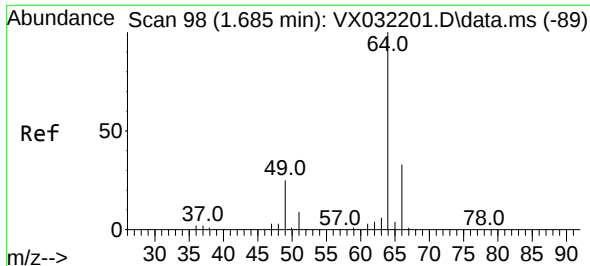
Tgt Ion:168 Resp: 142311
Ion Ratio Lower Upper
168 100
99 60.1 44.8 67.2



#3
Chloromethane
Concen: 1.883 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.049 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 50 Resp: 4668
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

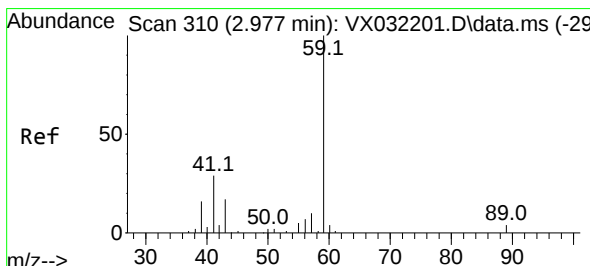
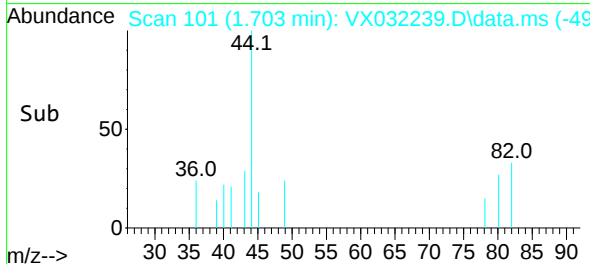
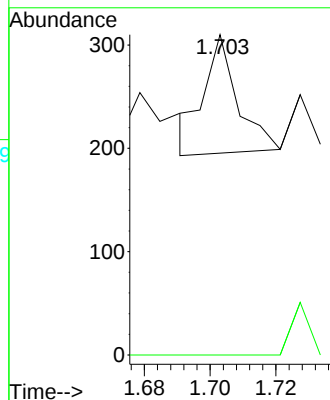
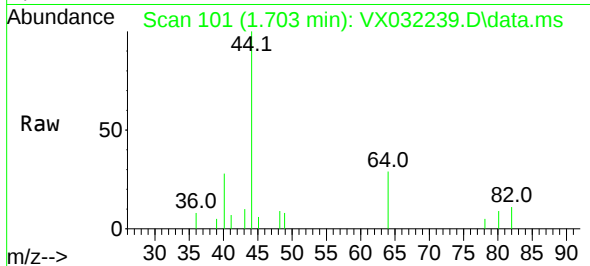




#6
Chloroethane
Concen: 2.008 ug/l
RT: 1.703 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

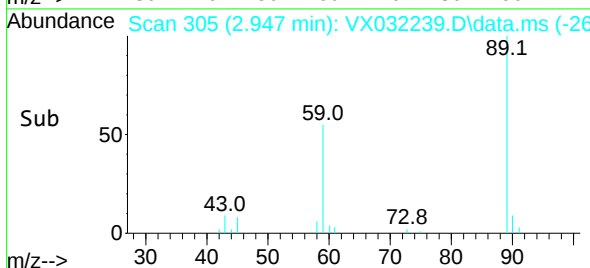
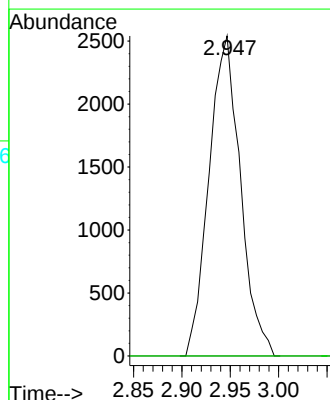
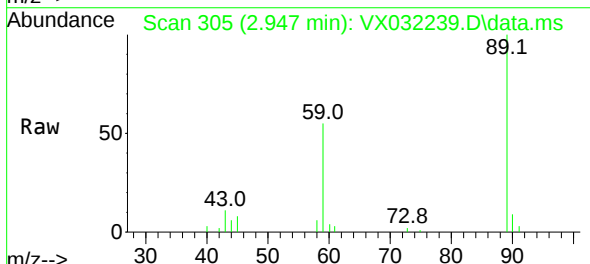
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

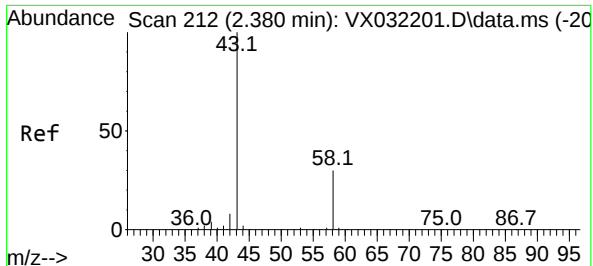
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 59 Resp: 5734
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

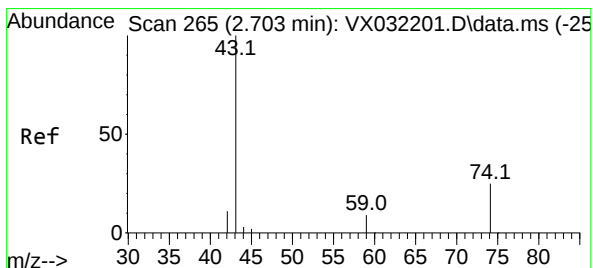
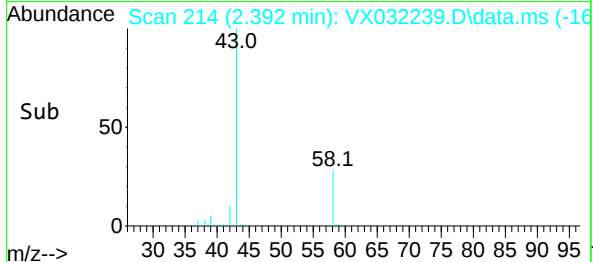
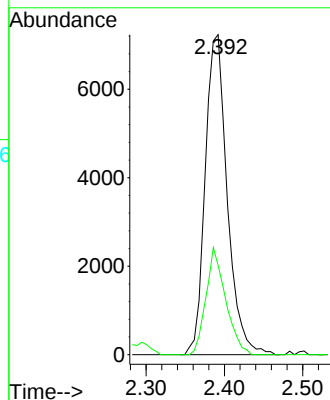
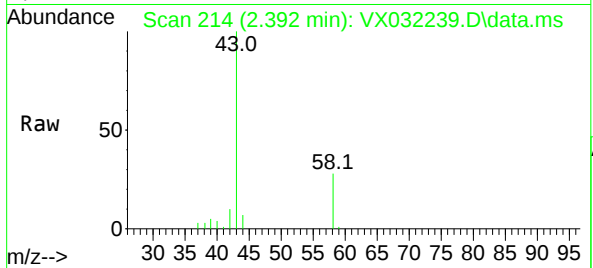




#16
Acetone
Concen: 23.531 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

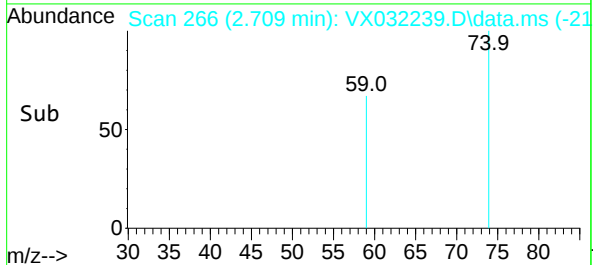
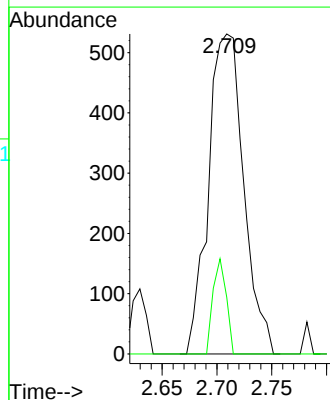
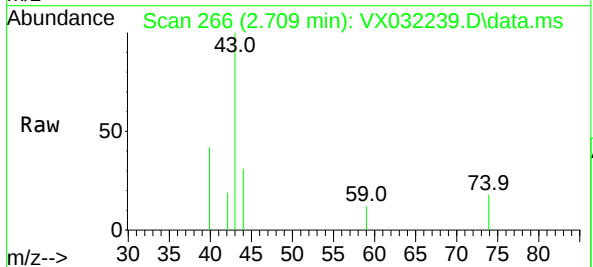
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

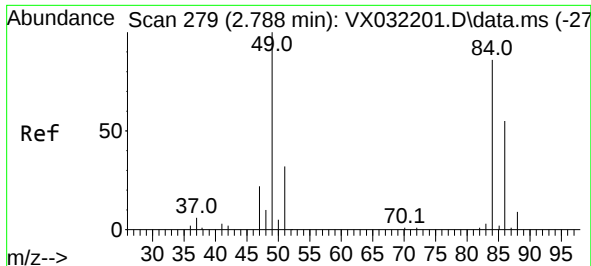
Tgt Ion: 43 Resp: 14137
Ion Ratio Lower Upper
43 100
58 27.9 24.2 36.2



#18
Methyl Acetate
Concen: 0.582 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
74 11.1 19.8 29.8#



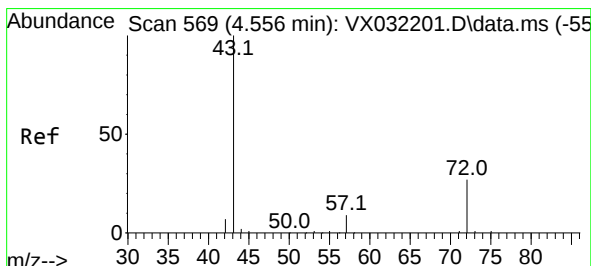
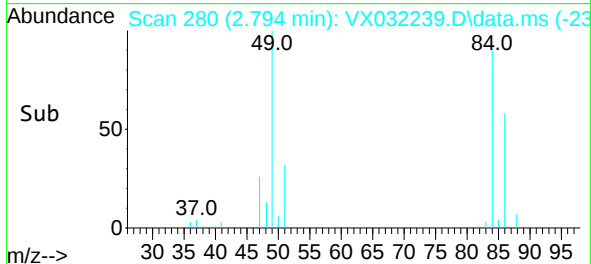
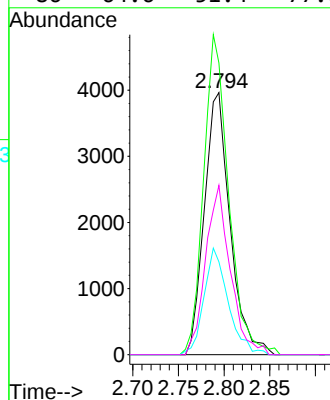
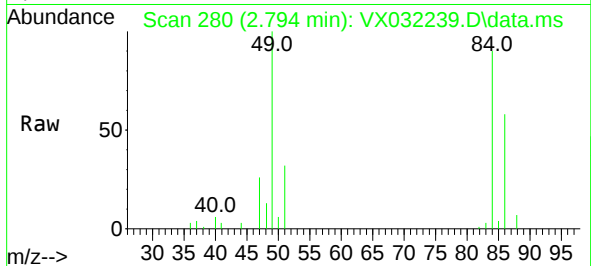


#20
Methylene Chloride
Concen: 5.038 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

Tgt Ion: 84 Resp: 7772

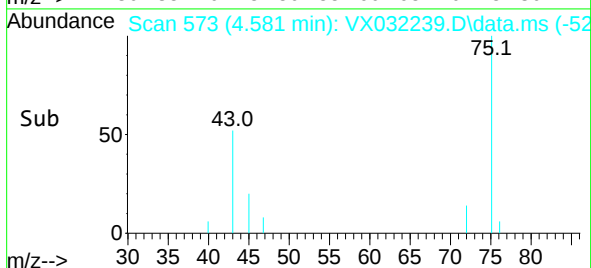
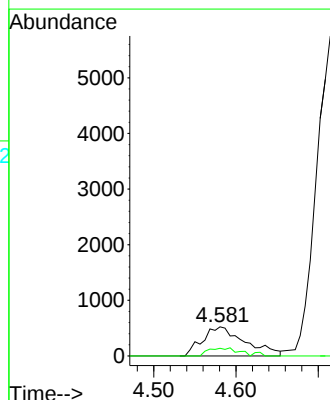
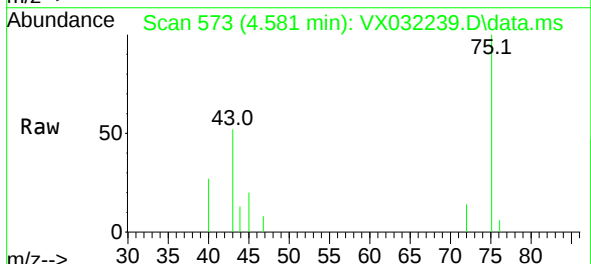
Ion	Ratio	Lower	Upper
84	100		
49	111.3	92.6	139.0
51	35.4	29.2	43.8
86	64.6	51.4	77.0

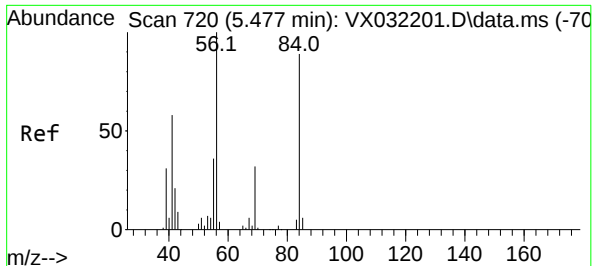


#25
2-Butanone
Concen: 2.000 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.025 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 43 Resp: 1876

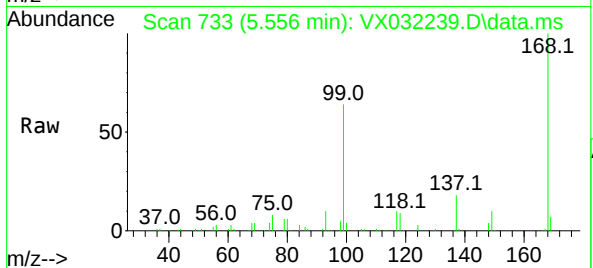
Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.7	32.5



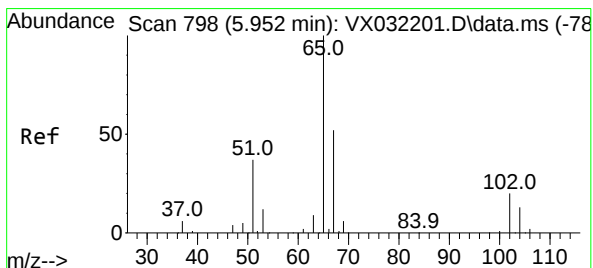
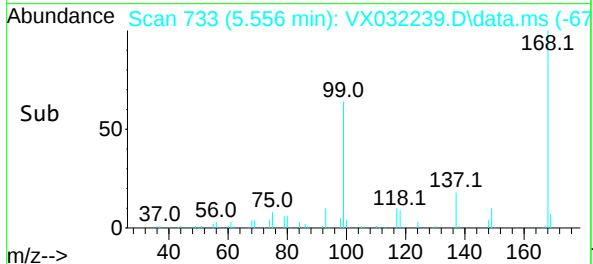
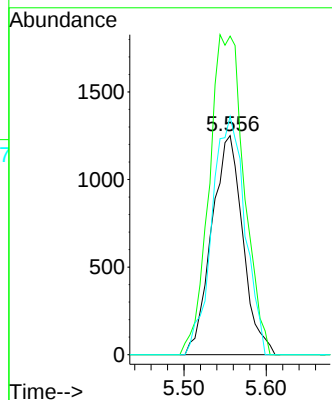


#31
Cyclohexane
Concen: 1.558 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

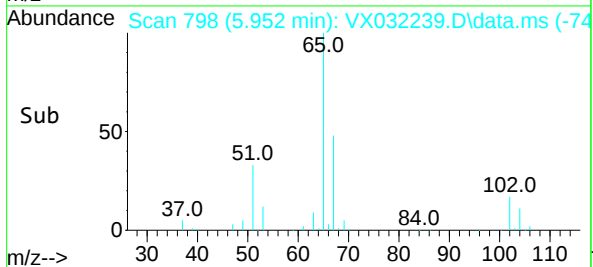
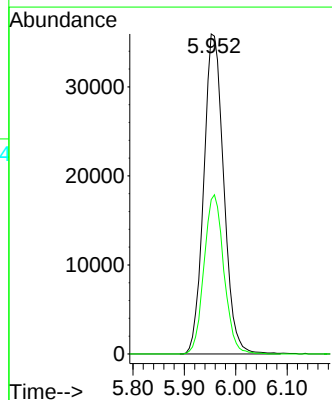
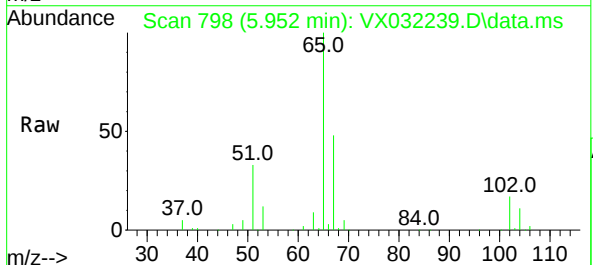


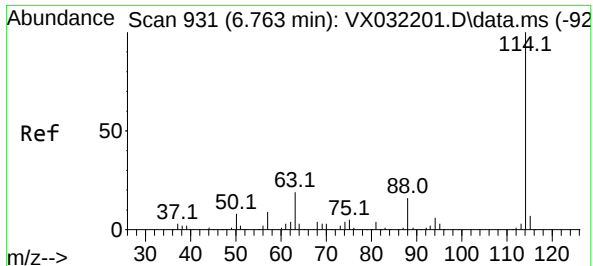
Tgt Ion: 56 Resp: 3297
Ion Ratio Lower Upper
56 100
69 145.4 25.4 38.0#
84 108.7 71.2 106.8#



#33
1,2-Dichloroethane-d4
Concen: 52.477 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 65 Resp: 97151
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.6

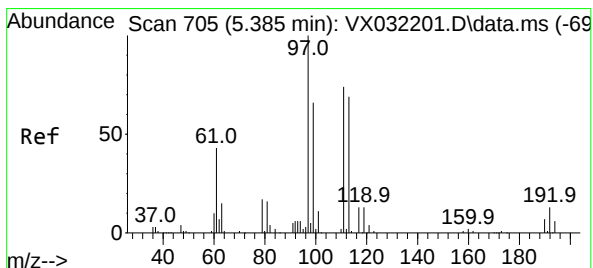
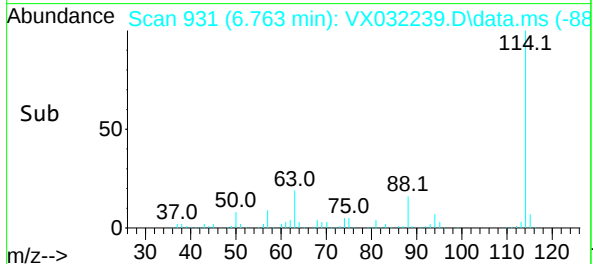
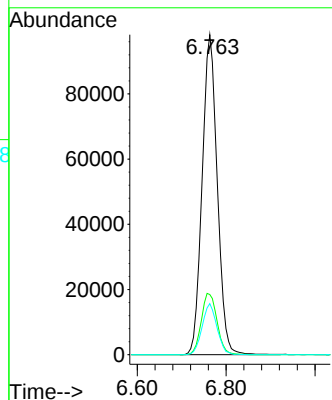
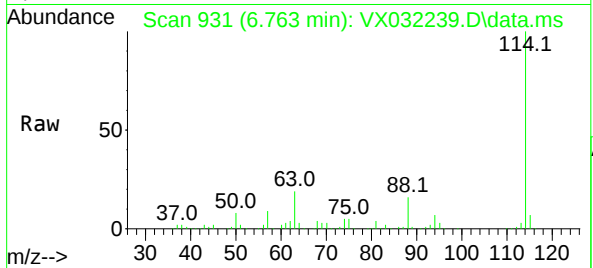




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

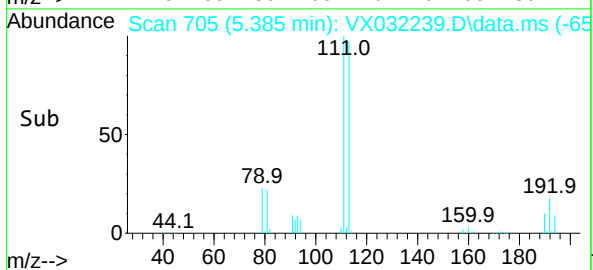
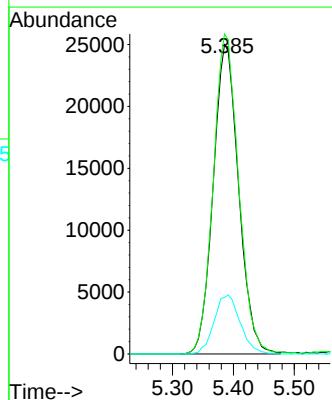
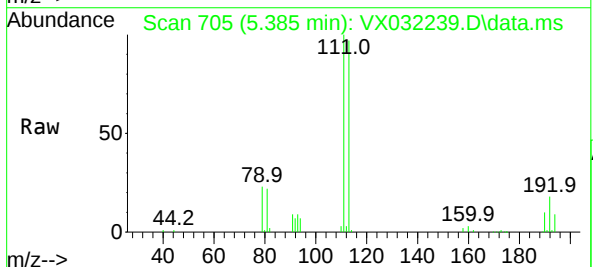
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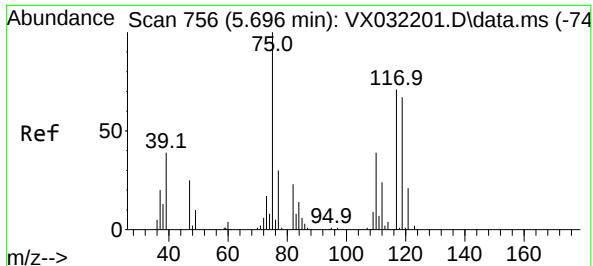
Tgt Ion:114 Resp: 233159
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.728 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion:113 Resp: 72570
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.5 15.5 23.3

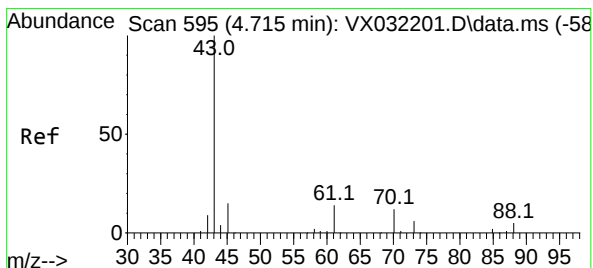
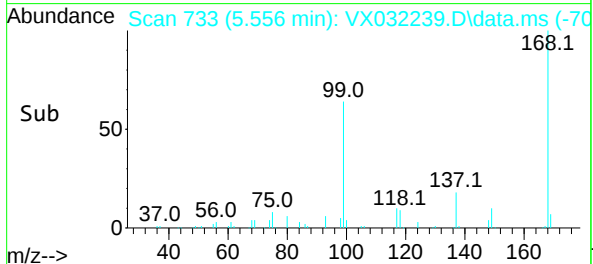
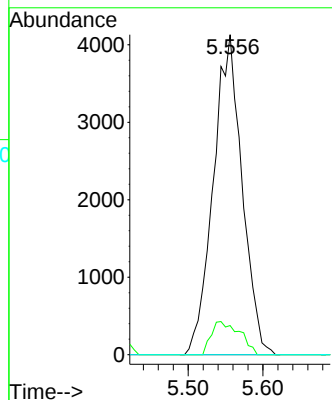
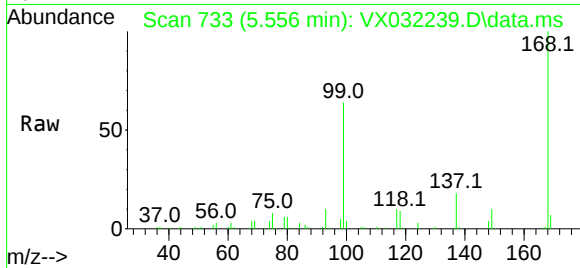




#36
1,1-Dichloropropene
Concen: 5.295 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

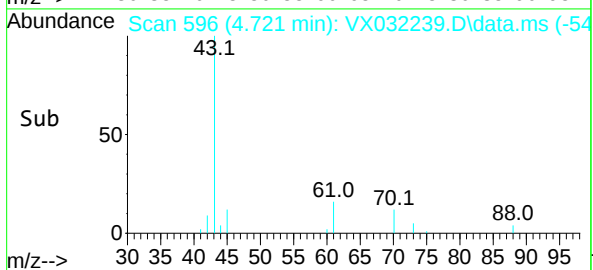
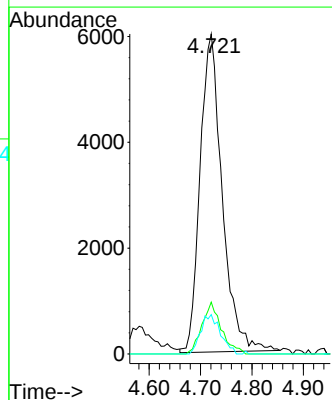
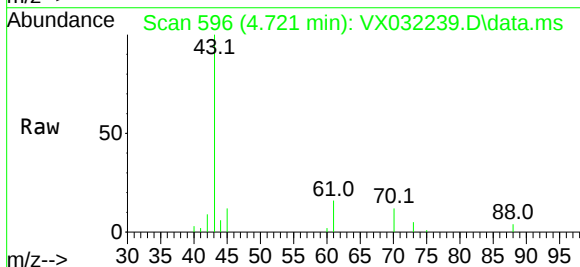
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ClientSampleId :
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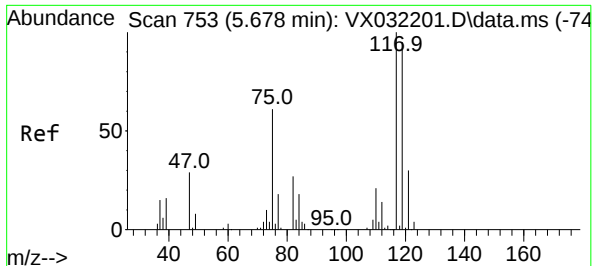
Tgt Ion: 75 Resp: 11052
Ion Ratio Lower Upper
75 100
110 10.3 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 8.793 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

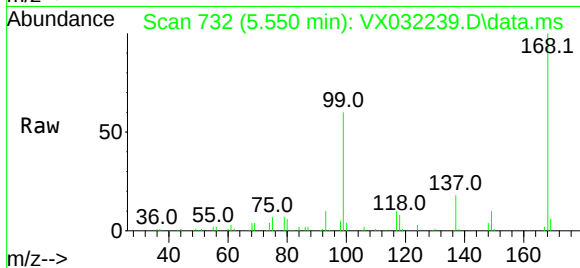
Tgt Ion: 43 Resp: 17968
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.2
70 11.0 8.8 13.2



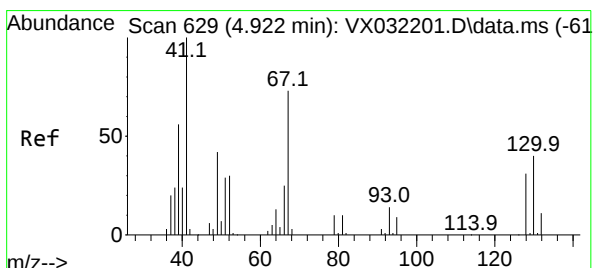
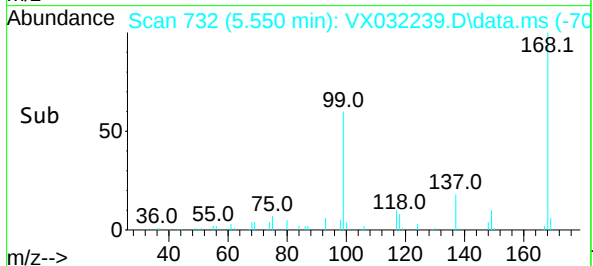
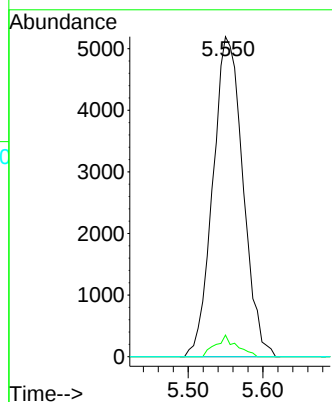


#38
Carbon Tetrachloride
Concen: 6.588 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

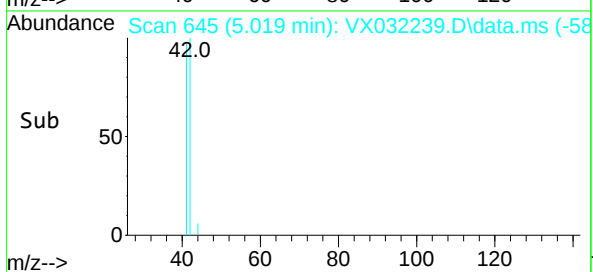
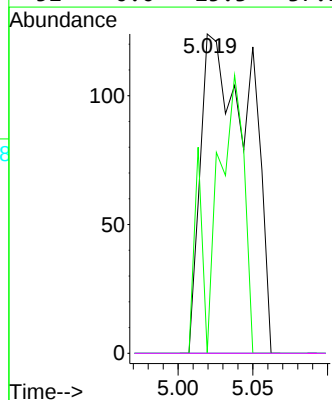
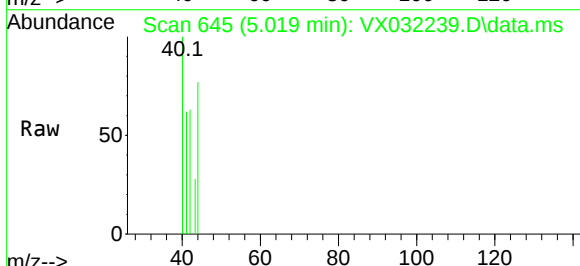


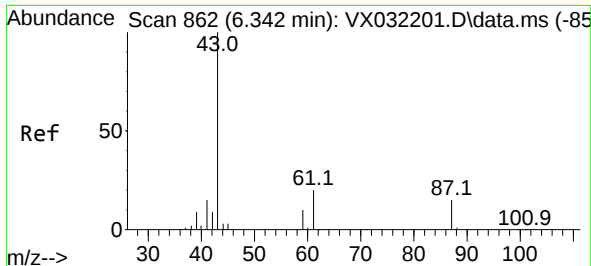
Tgt Ion:117 Resp: 14514
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 41 Resp: 281
Ion Ratio Lower Upper
41 100
39 53.7 45.5 68.3
67 0.0 59.4 89.2#
52 0.0 25.3 37.9#

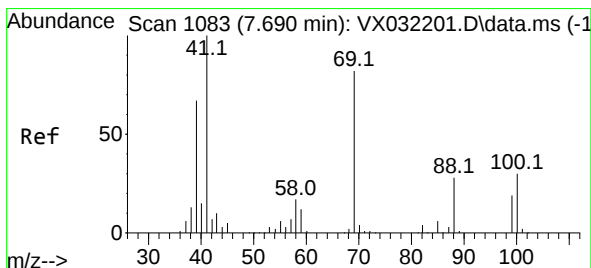
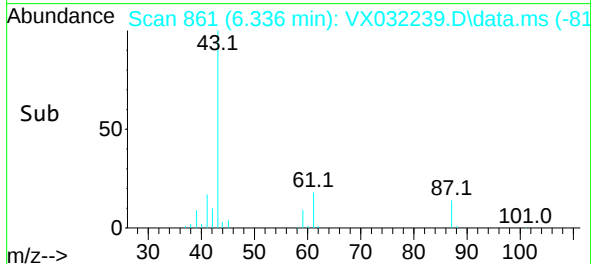
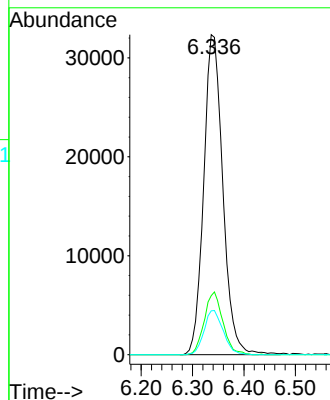
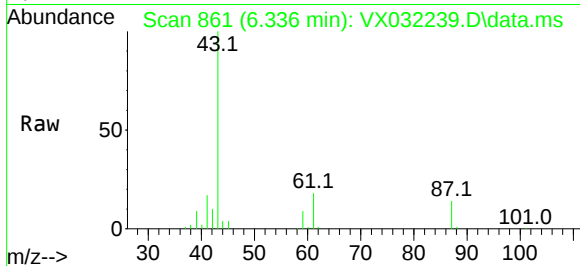




#43
Isopropyl Acetate
Concen: 26.093 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

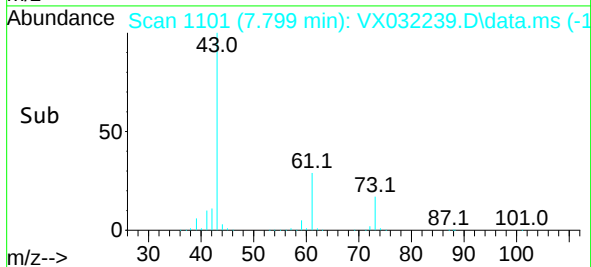
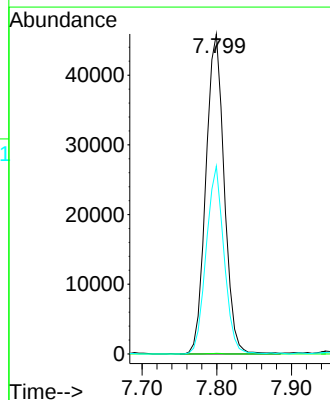
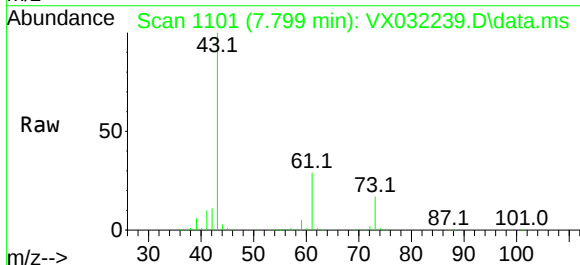
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

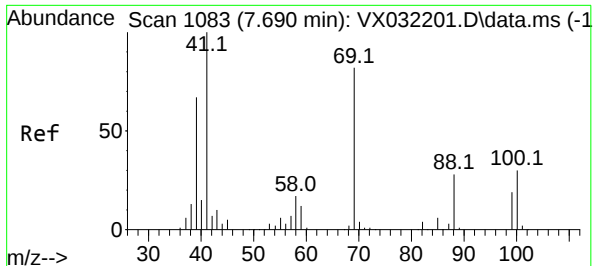
Tgt Ion: 43 Resp: 83687
Ion Ratio Lower Upper
43 100
61 19.0 15.5 23.3
87 13.8 11.0 16.6



#48
Methyl methacrylate
Concen: 48.780 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 41 Resp: 78025
Ion Ratio Lower Upper
41 100
69 0.1 67.3 100.9#
39 57.3 53.8 80.8





#49

1,4-Dioxane

Concen: 3.676 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#05

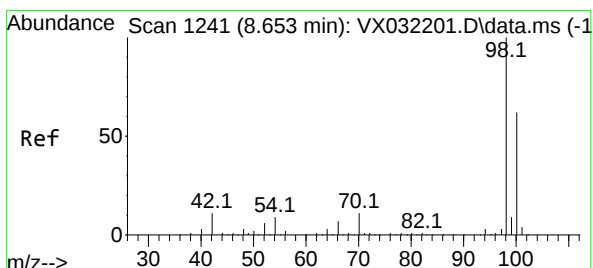
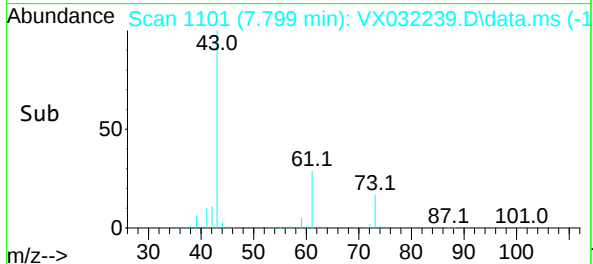
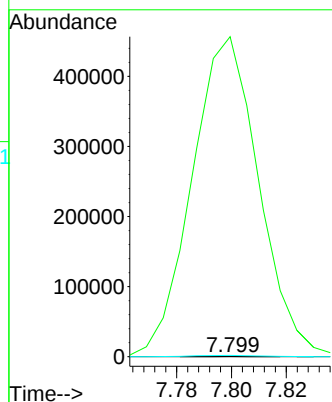
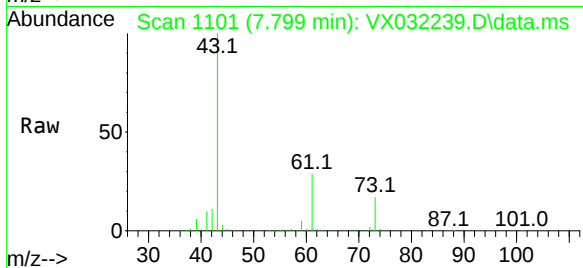
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 660858.5 26.9 40.3#

58 2693.2 50.7 76.1#



#50

Toluene-d8

Concen: 46.251 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032239.D

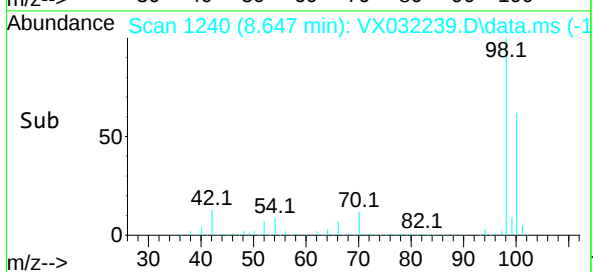
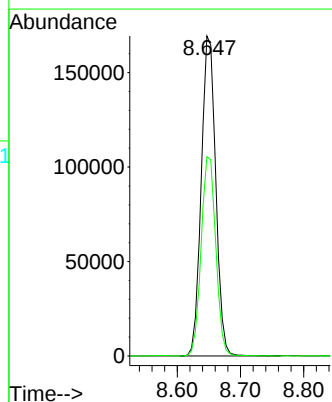
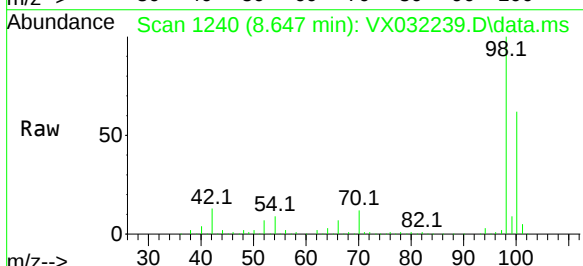
Acq: 20 Oct 2022 04:09

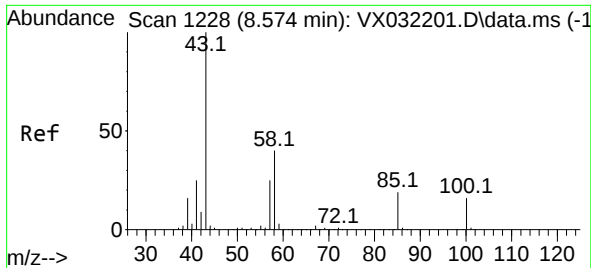
Tgt Ion: 98 Resp: 270126

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1

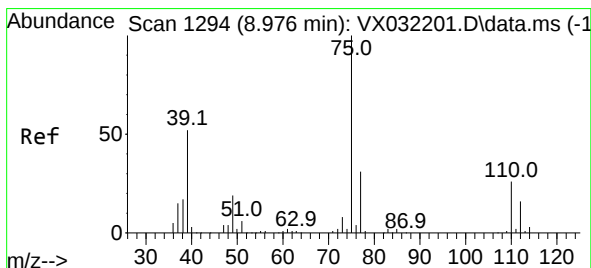
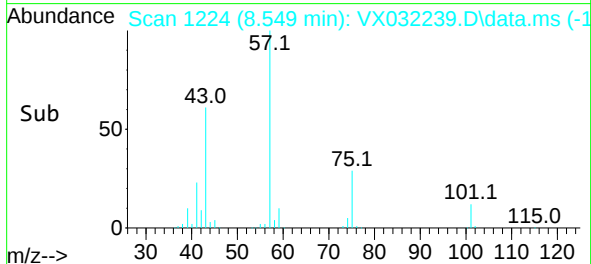
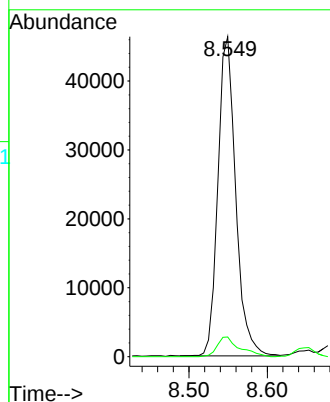
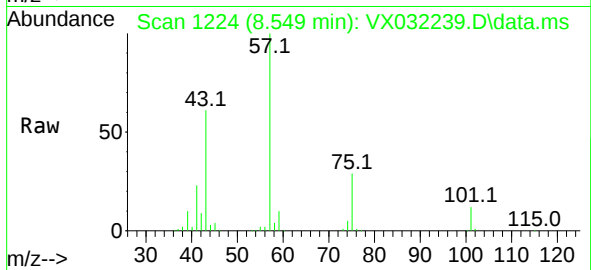




#51
4-Methyl-2-Pentanone
Concen: 36.408 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

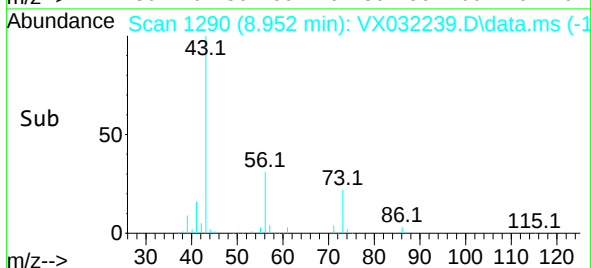
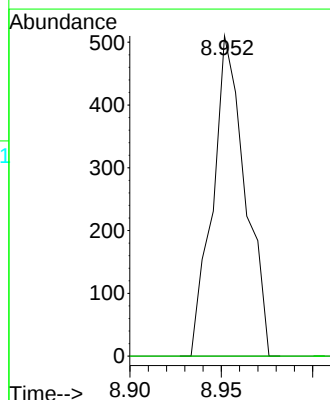
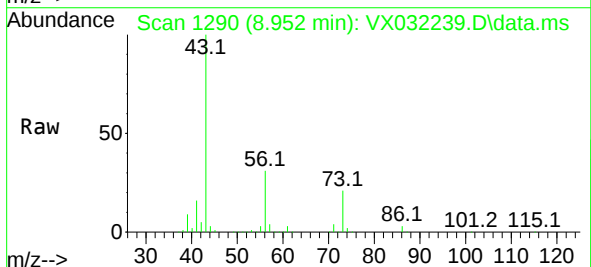
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

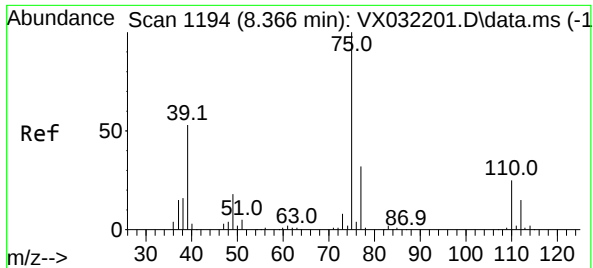
Tgt Ion: 43 Resp: 73198
Ion Ratio Lower Upper
43 100
58 7.8 31.0 46.4#



#53
t-1,3-Dichloropropene
Concen: 2.075 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 75 Resp: 630
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#

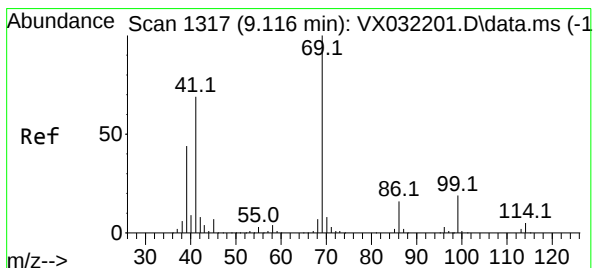
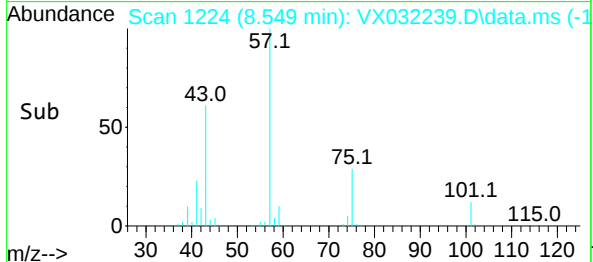
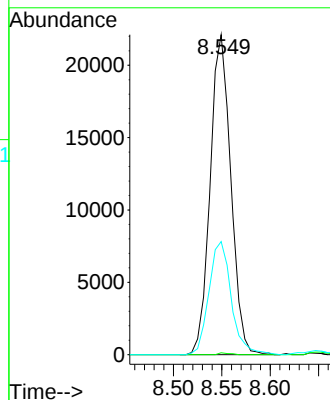
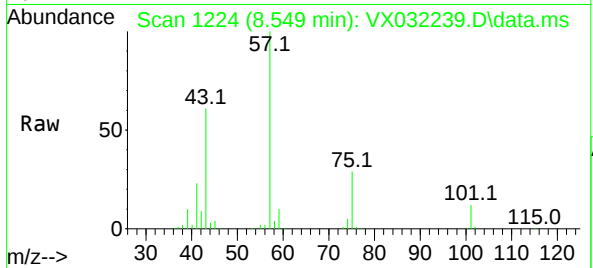




#54
 cis-1,3-Dichloropropene
 Concen: 14.025 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX032239.D
 Acq: 20 Oct 2022 04:09

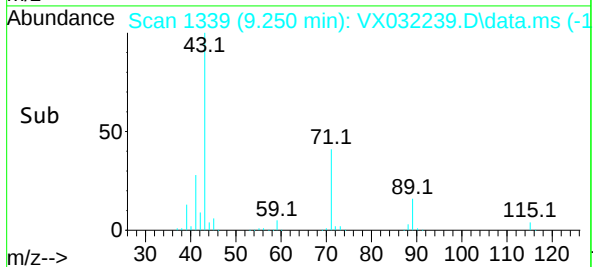
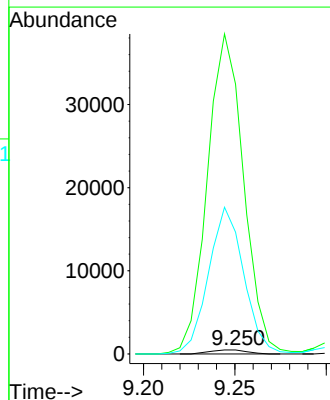
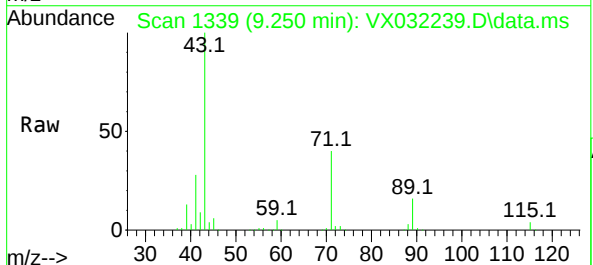
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#05

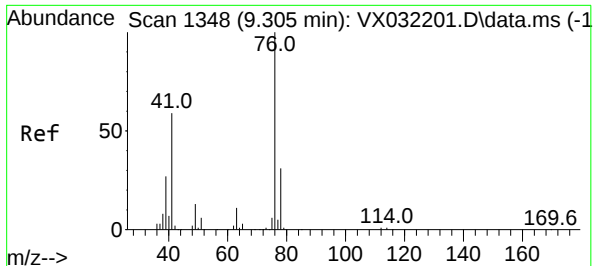
Tgt Ion: 75 Resp: 32856
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 35.3 42.4 63.6#



#56
 Ethyl methacrylate
 Concen: 0.294 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX032239.D
 Acq: 20 Oct 2022 04:09

Tgt Ion: 69 Resp: 673
 Ion Ratio Lower Upper
 69 100
 41 7923.6 54.5 81.7#
 39 3533.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.632 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

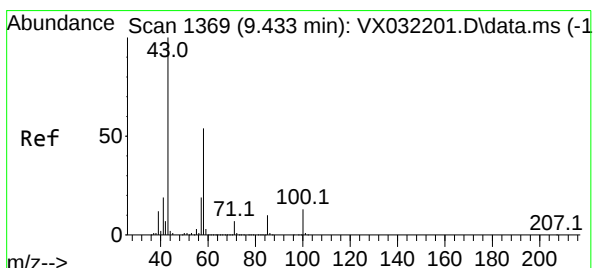
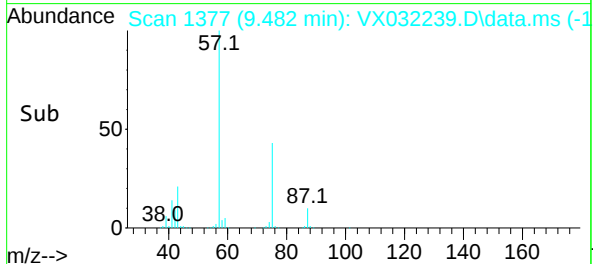
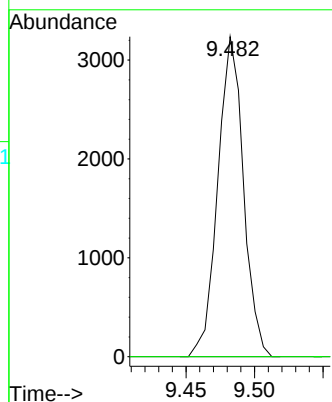
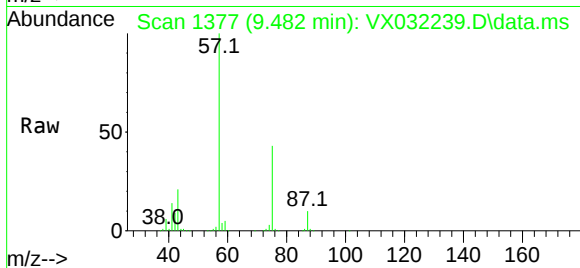
PB148361ZHE#05

Tgt Ion: 76 Resp: 4208

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 40.461 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032239.D

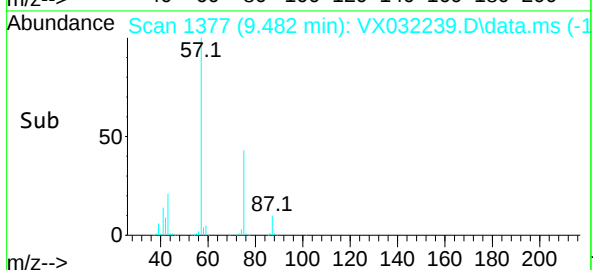
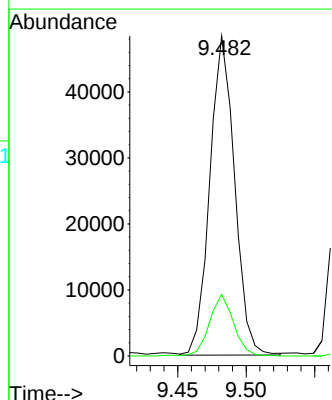
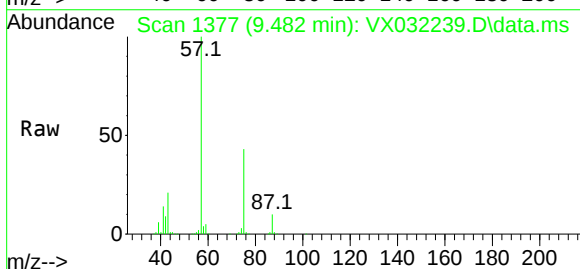
Acq: 20 Oct 2022 04:09

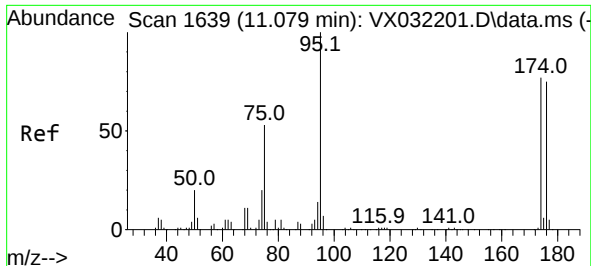
Tgt Ion: 43 Resp: 60697

Ion Ratio Lower Upper

43 100

58 18.9 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 45.835 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#05

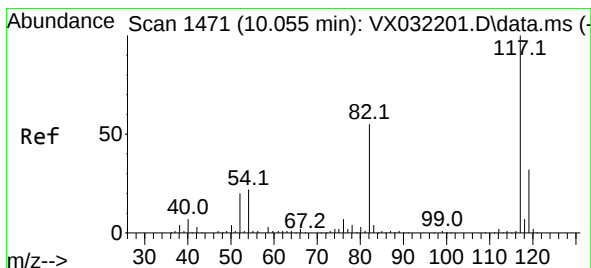
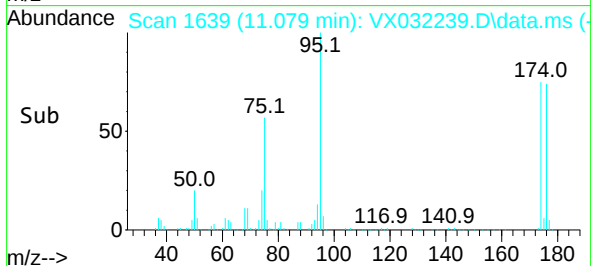
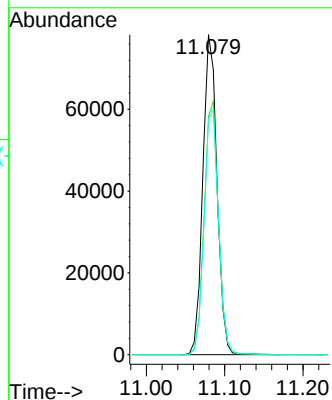
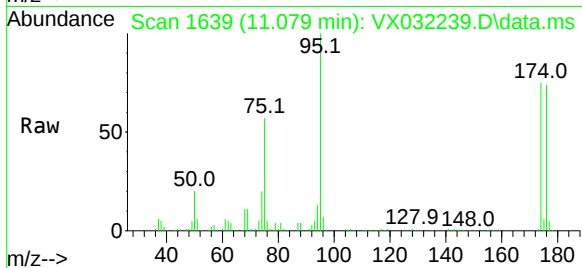
Tgt Ion: 95 Resp: 98025

Ion Ratio Lower Upper

95 100

174 80.0 0.0 166.8

176 78.3 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

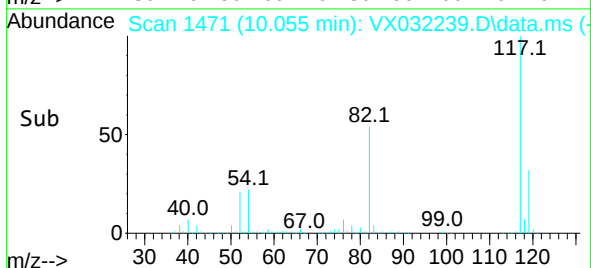
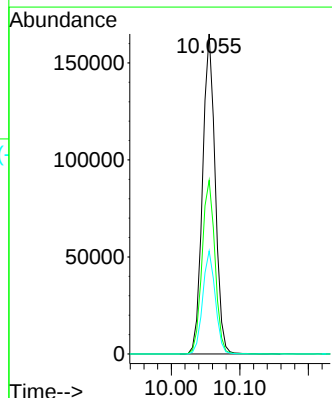
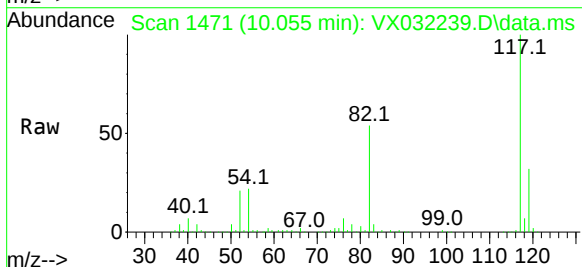
Tgt Ion: 117 Resp: 211740

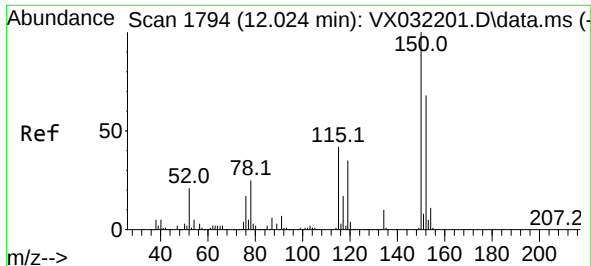
Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.4

119 32.2 25.8 38.8

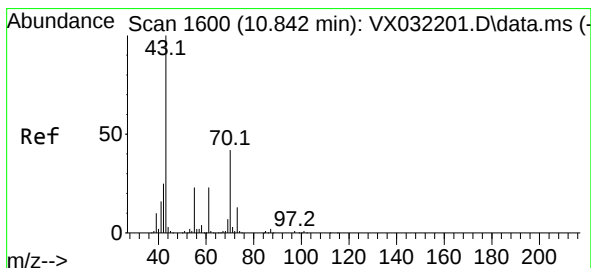
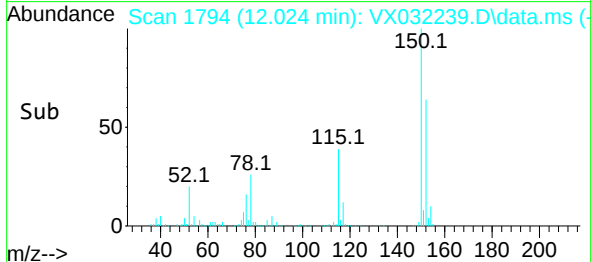
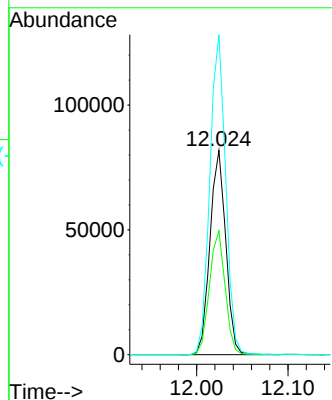
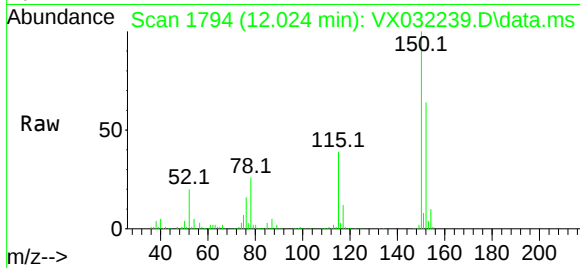




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

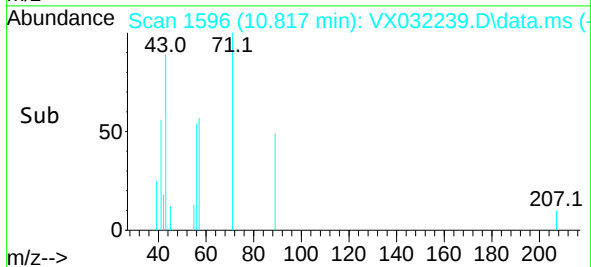
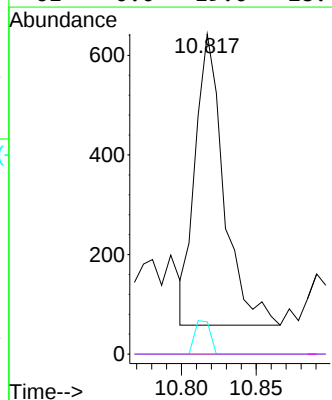
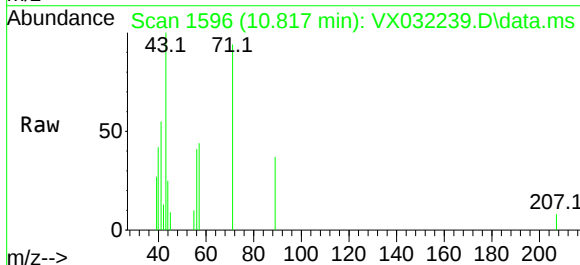
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#05

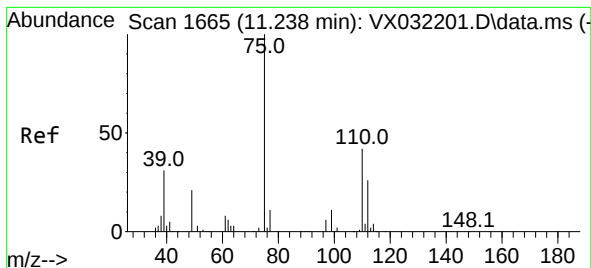
Tgt Ion:152 Resp: 98132
Ion Ratio Lower Upper
152 100
115 60.1 43.1 129.4
150 156.6 0.0 348.6



#74
N-ethyl acetate
Concen: 0.302 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX032239.D
Acq: 20 Oct 2022 04:09

Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
70 0.0 33.9 50.9#
55 6.2 19.1 28.7#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 27.773 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

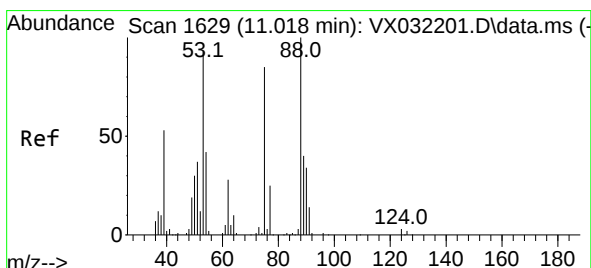
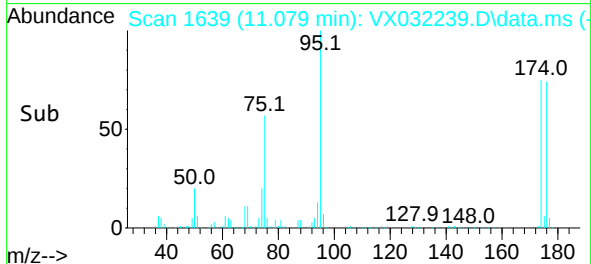
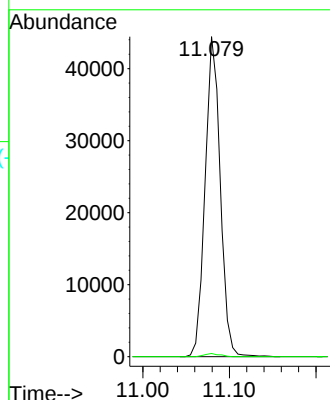
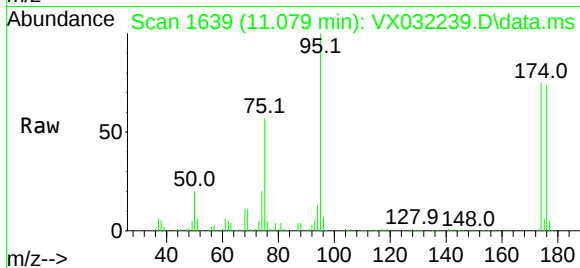
PB148361ZHE#05

Tgt Ion: 75 Resp: 54003

Ion Ratio Lower Upper

75 100

77 1.0 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.198 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Tgt Ion: 75 Resp: 54003

Ion Ratio Lower Upper

75 100

53 0.0 87.8 131.8#

89 0.0 37.8 56.8#

