

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061223\
 Data File : VX036124.D
 Acq On : 12 Jun 2023 15:38
 Operator : JC/MD
 Sample : PB153331ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

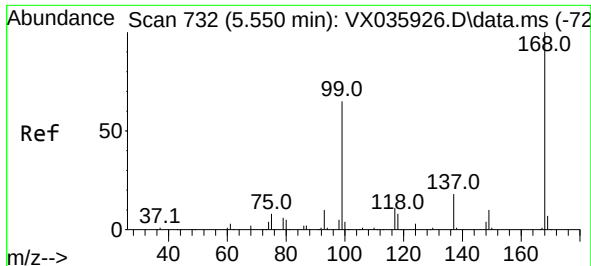
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#04

Quant Time: Jun 13 04:50:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	204419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	338037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	304018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154168	46.444	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.880%		
35) Dibromofluoromethane	5.391	113	104392	45.915	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.820%		
50) Toluene-d8	8.647	98	405603	49.707	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	157562	48.915	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.026	59	131	0.222	ug/l #	78
16) Acetone	2.398	43	26907	19.648	ug/l	98
18) Methyl Acetate	2.703	43	4213	0.791	ug/l	97
20) Methylene Chloride	2.788	84	5402	2.048	ug/l	93
25) 2-Butanone	4.587	43	2725	1.390	ug/l	96
29) Tetrahydrofuran	5.038	42	524	0.415	ug/l #	41
31) Cyclohexane	5.544	56	5549	1.597	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	20232	6.674	ug/l #	51
37) Ethyl Acetate	4.721	43	41520	12.298	ug/l	99
38) Carbon Tetrachloride	5.550	117	23943	8.105	ug/l #	18
43) Isopropyl Acetate	6.342	43	141480	25.486	ug/l	99
48) Methyl methacrylate	7.799	41	135270	49.688	ug/l #	48
49) 1,4-Dioxane	7.799	88	172	2.759	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	104801	30.928	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	939	0.284	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	43057	11.788	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	5990	1.460	ug/l #	42
59) 2-Hexanone	9.482	43	88139	35.183	ug/l #	51
74) N-amyl acetate	10.640	43	32677	7.696	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	87364	28.895	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	87364	97.329	ug/l #	3
94) Hexachlorobutadiene	13.725	225	277	0.285	ug/l #	58

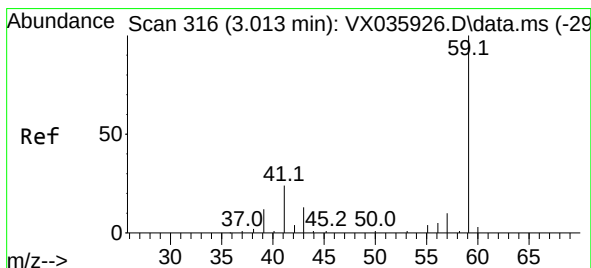
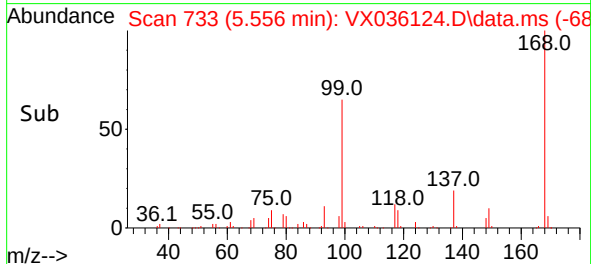
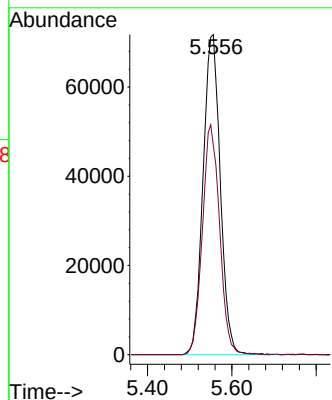
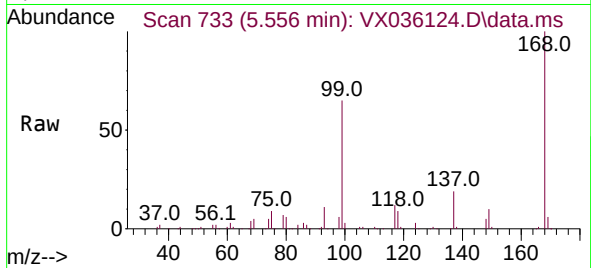
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

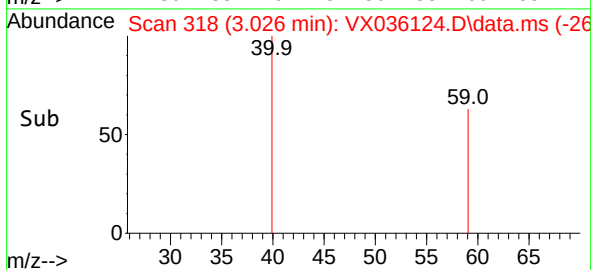
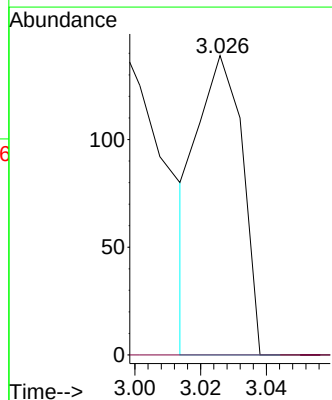
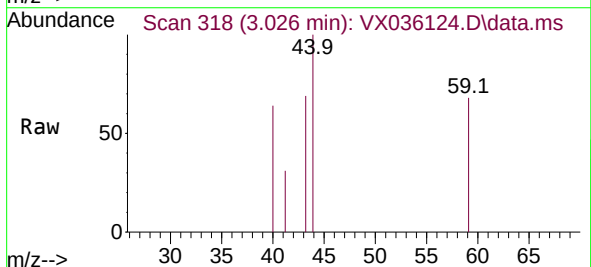
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

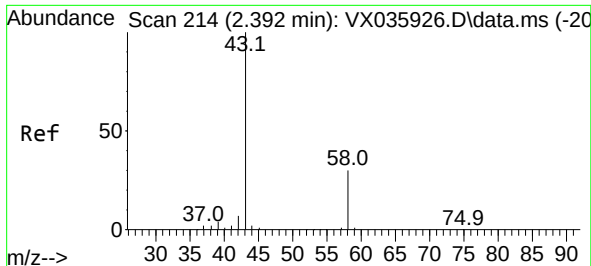
Tgt Ion:168 Resp: 204419
Ion Ratio Lower Upper
168 100
99 65.4 57.0 85.6



#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.019 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

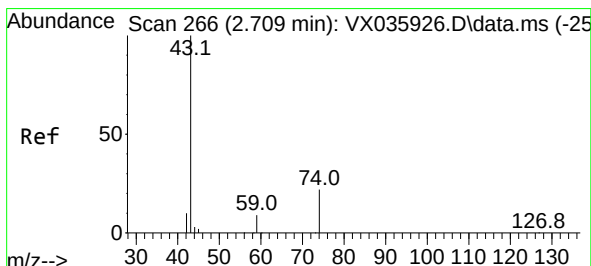
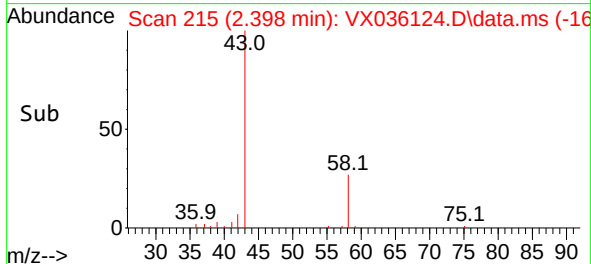
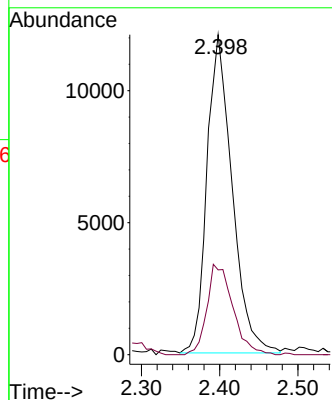
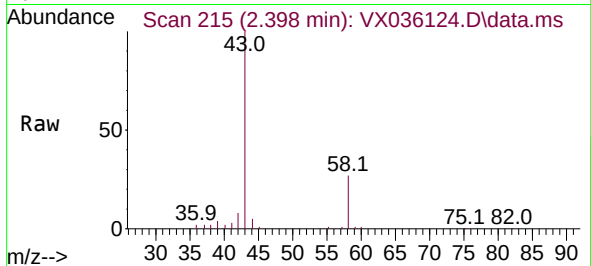




#16
Acetone
Concen: 19.648 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

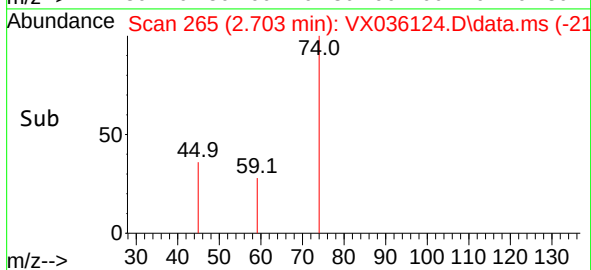
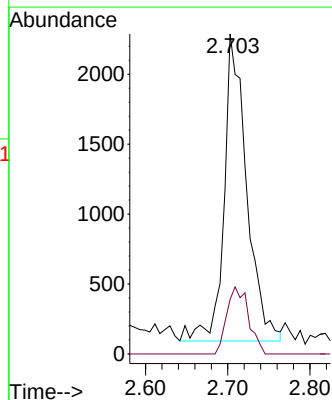
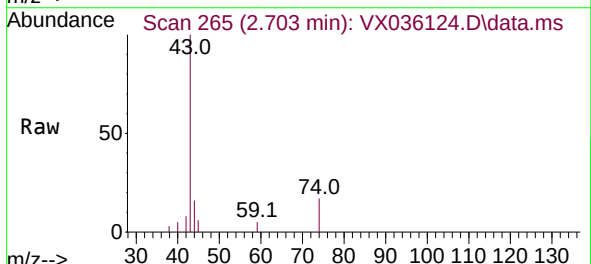
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

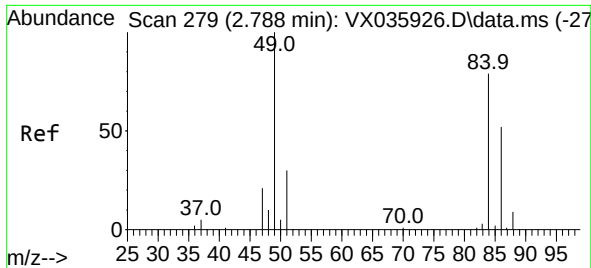
Tgt Ion: 43 Resp: 26907
Ion Ratio Lower Upper
43 100
58 26.7 22.2 33.2



#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
74 20.9 17.7 26.5

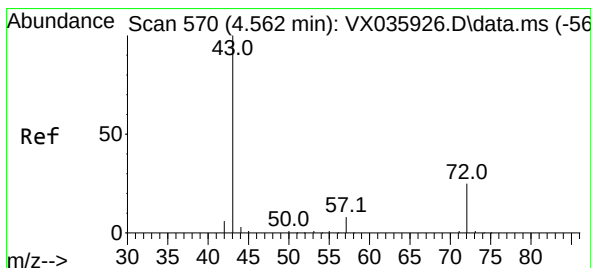
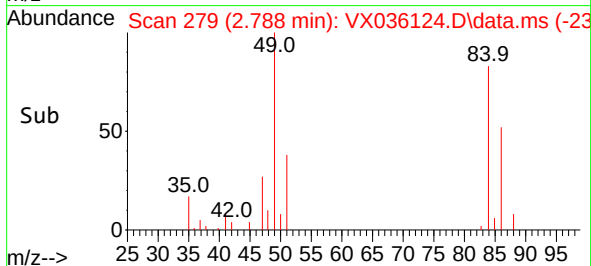
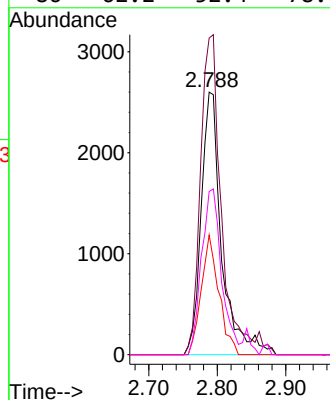
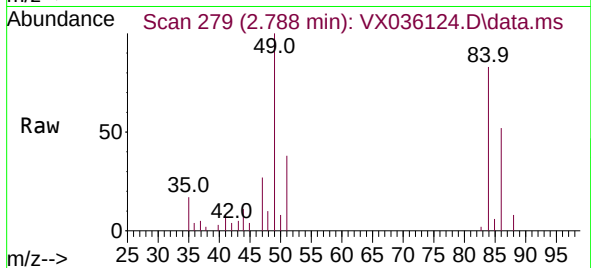




#20
Methylene Chloride
Concen: 2.048 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

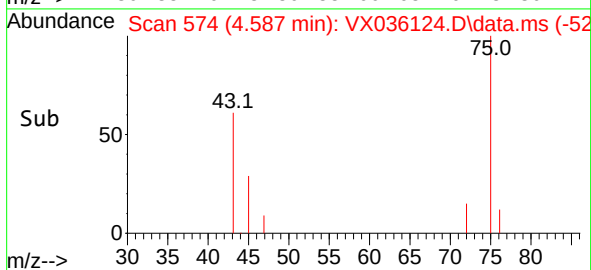
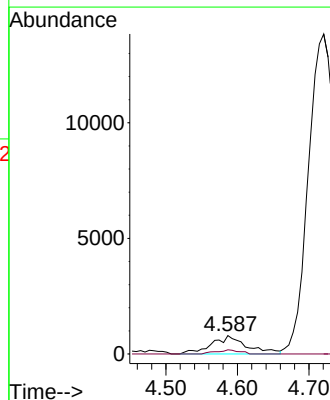
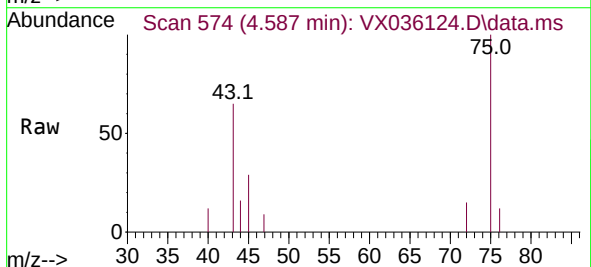
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

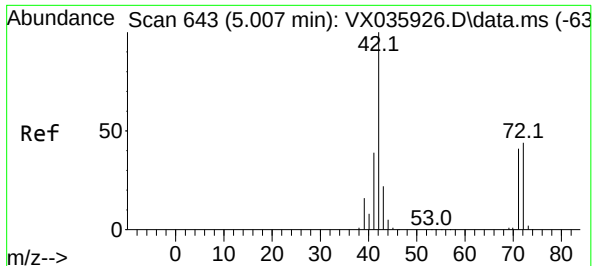
Tgt Ion:	84	Resp:	5402
Ion	Ratio	Lower	Upper
84	100		
49	120.6	104.6	156.8
51	45.6	32.2	48.4
86	62.2	52.4	78.6



#25
2-Butanone
Concen: 1.390 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion:	43	Resp:	2725
Ion	Ratio	Lower	Upper
43	100		
72	22.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.415 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#04

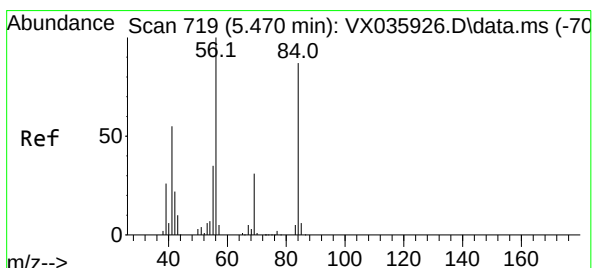
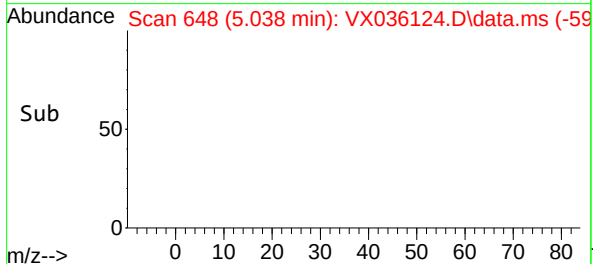
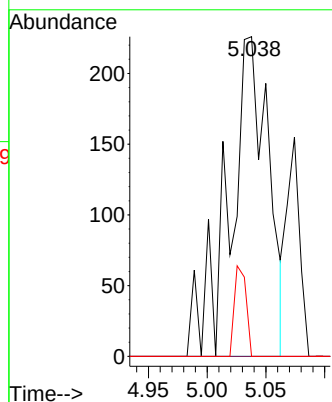
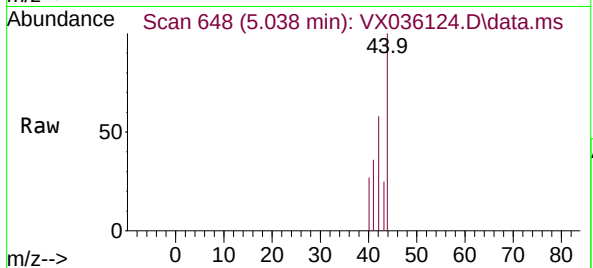
Tgt Ion: 42 Resp: 524

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 8.4 31.8 47.8#



#31

Cyclohexane

Concen: 1.597 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

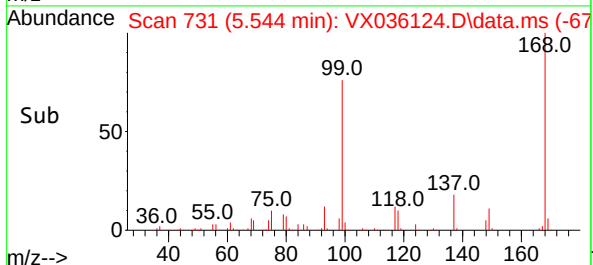
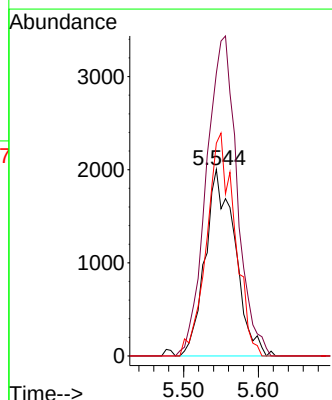
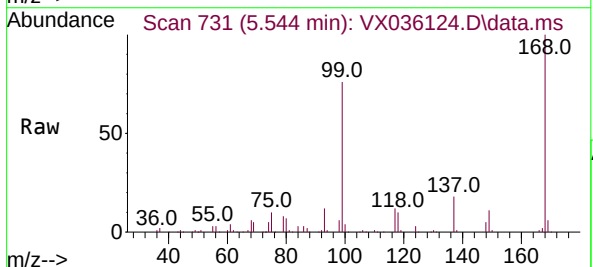
Tgt Ion: 56 Resp: 5549

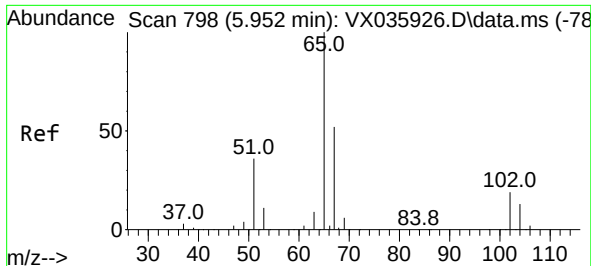
Ion Ratio Lower Upper

56 100

69 151.6 25.9 38.9#

84 114.1 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.444 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

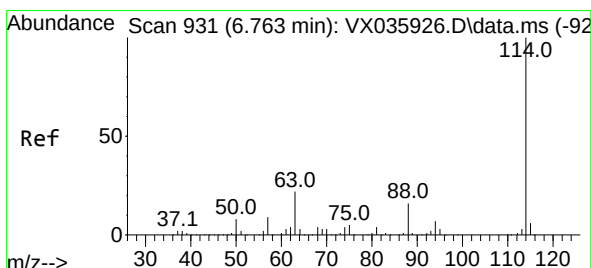
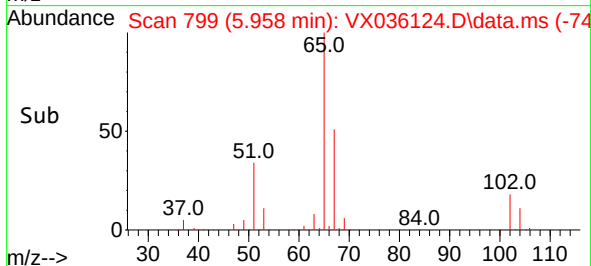
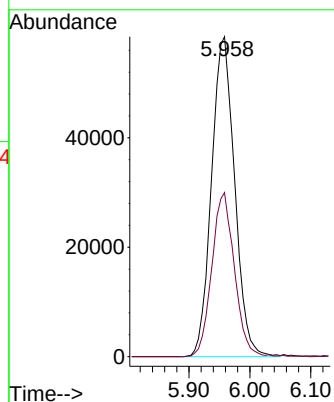
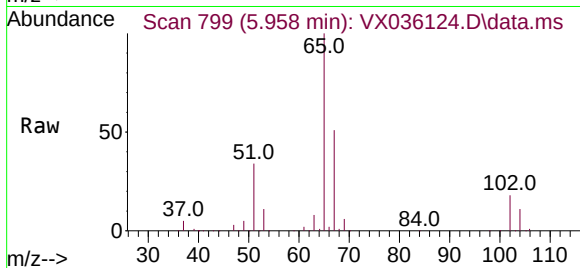
PB153331ZHE#04

Tgt Ion: 65 Resp: 154168

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

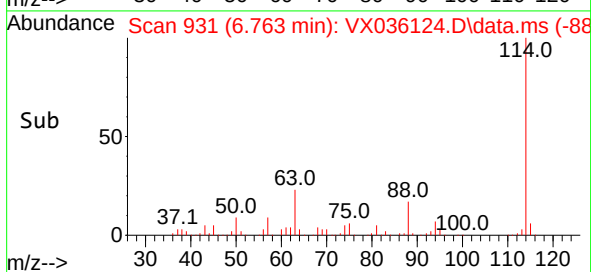
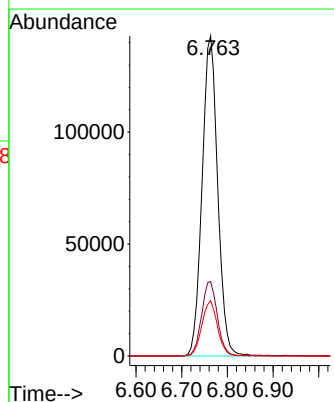
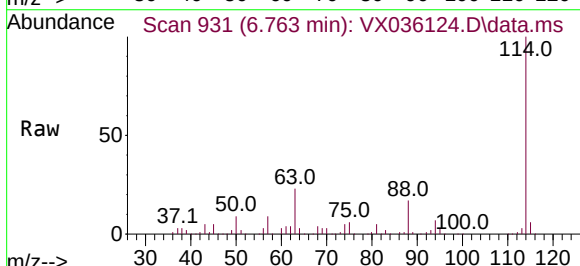
Tgt Ion: 114 Resp: 338037

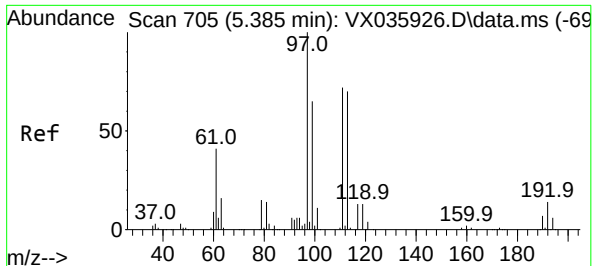
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

88 17.3 0.0 35.2

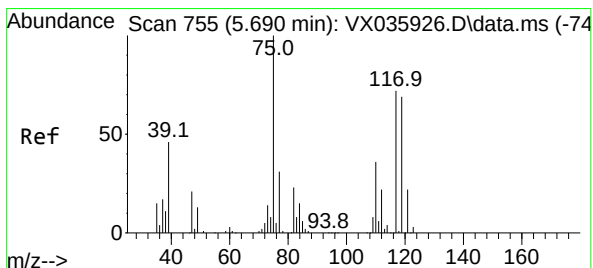
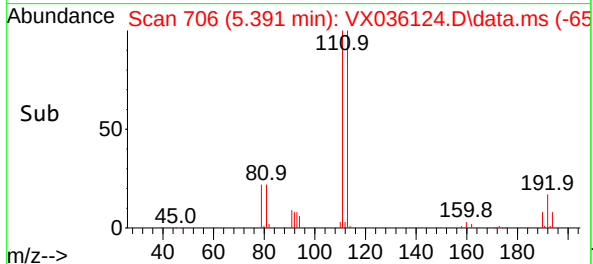
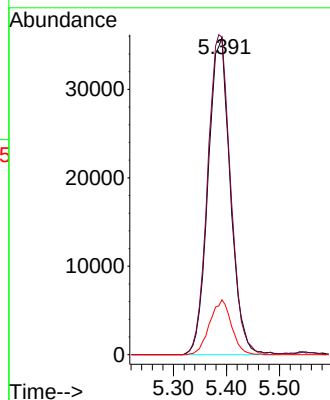
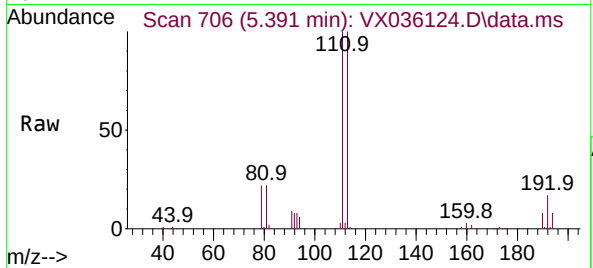




#35
Dibromofluoromethane
Concen: 45.915 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

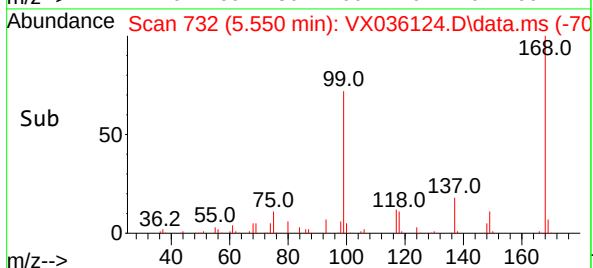
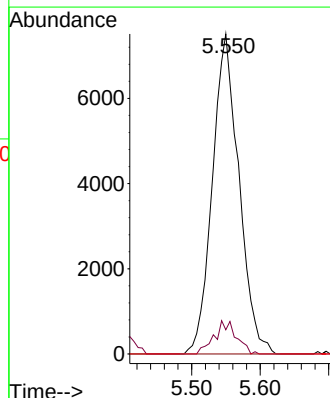
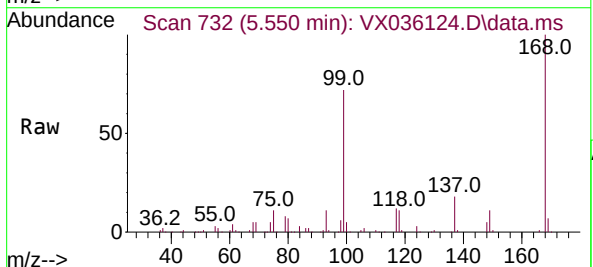
Instrument :
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PB153331ZHE#04

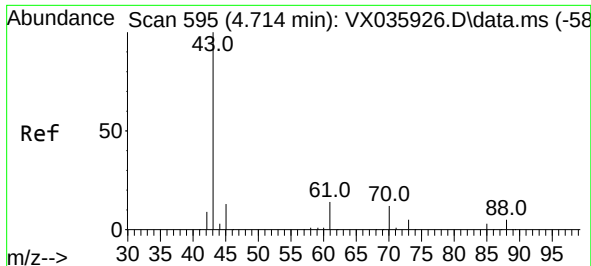
Tgt Ion:113 Resp: 104392
Ion Ratio Lower Upper
113 100
111 103.7 81.7 122.5
192 16.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 6.674 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 75 Resp: 20232
Ion Ratio Lower Upper
75 100
110 8.6 16.6 49.7#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 12.298 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#04

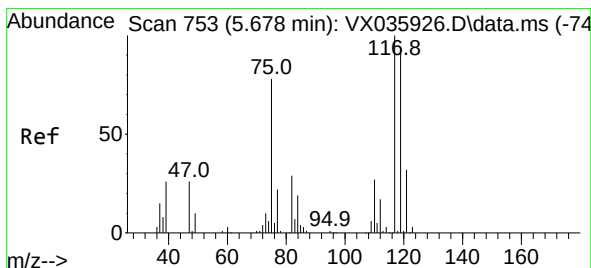
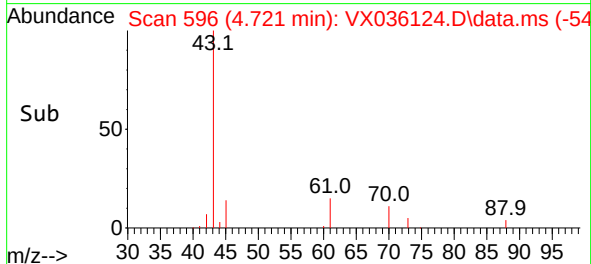
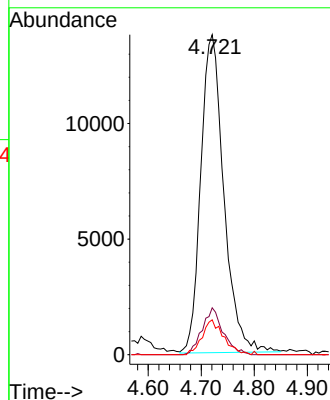
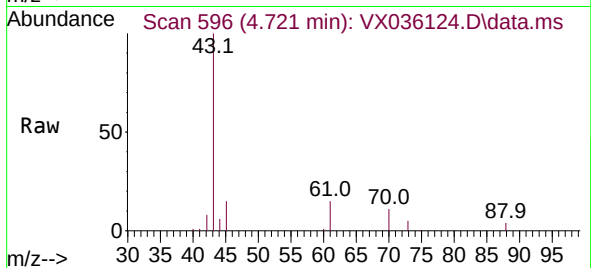
Tgt Ion: 43 Resp: 41520

Ion Ratio Lower Upper

43 100

61 13.4 10.3 15.5

70 10.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 8.105 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

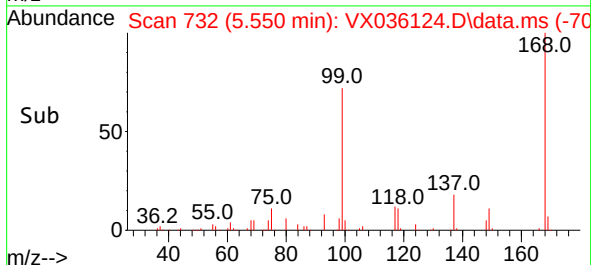
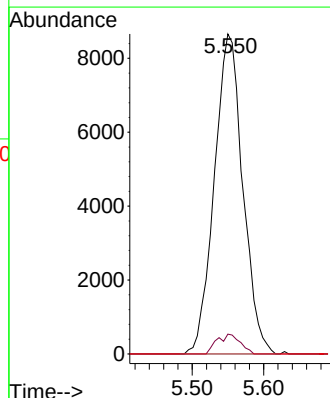
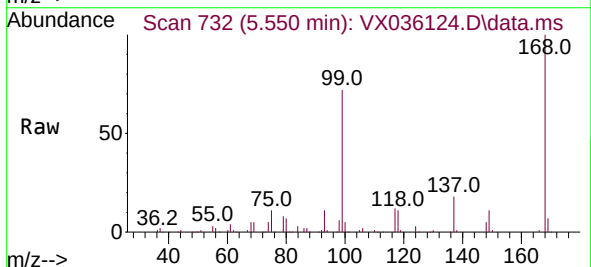
Tgt Ion: 117 Resp: 23943

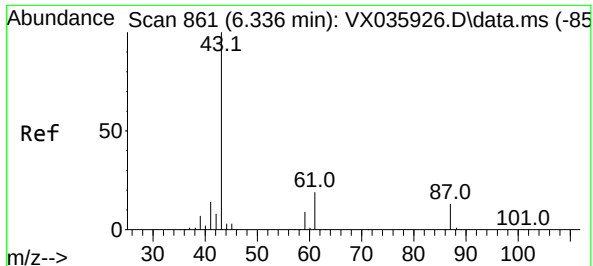
Ion Ratio Lower Upper

117 100

119 6.2 74.1 111.1#

121 0.0 25.0 37.4#

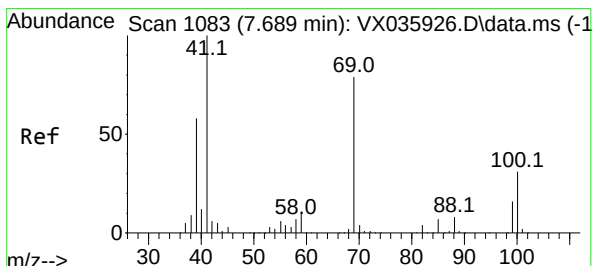
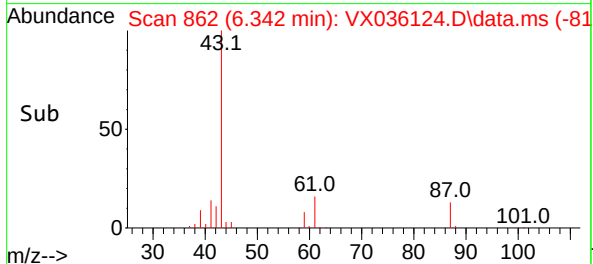
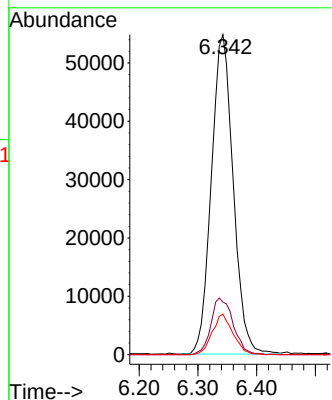
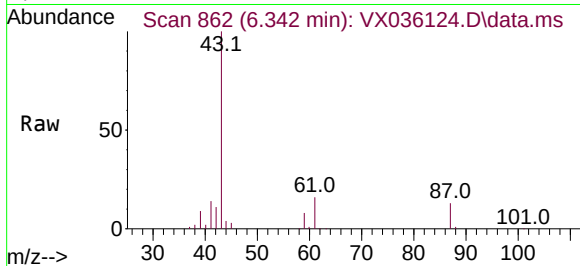




#43
Isopropyl Acetate
Concen: 25.486 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

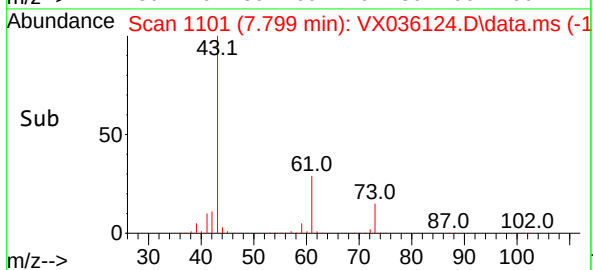
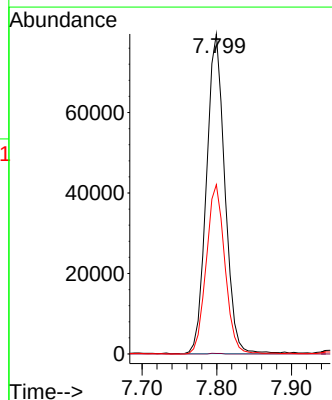
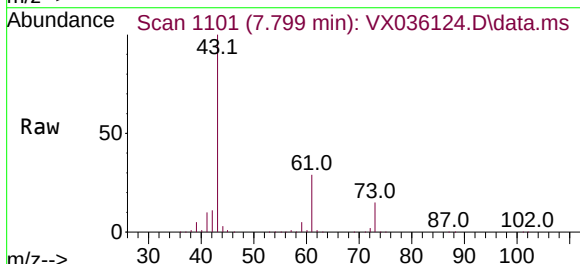
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

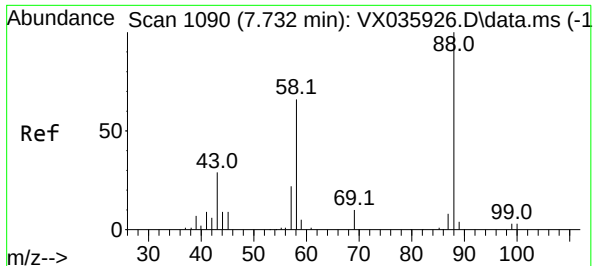
Tgt Ion: 43 Resp: 141480
Ion Ratio Lower Upper
43 100
61 18.0 15.0 22.4
87 12.0 9.9 14.9



#48
Methyl methacrylate
Concen: 49.688 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 41 Resp: 135270
Ion Ratio Lower Upper
41 100
69 0.1 59.0 88.6#
39 53.7 48.4 72.6





#49

1,4-Dioxane

Concen: 2.759 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.085 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#04

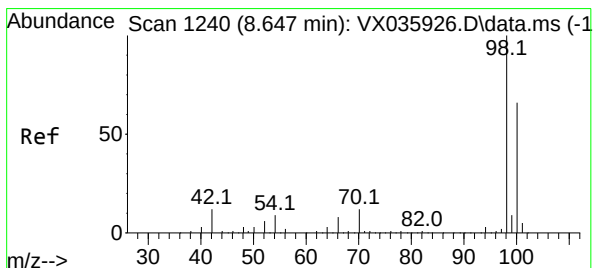
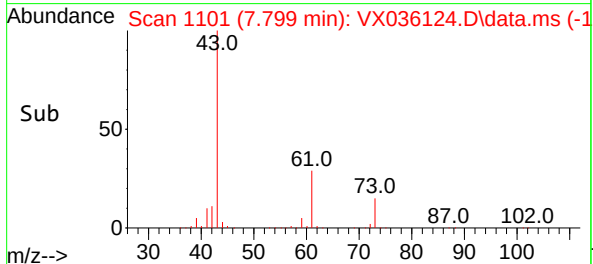
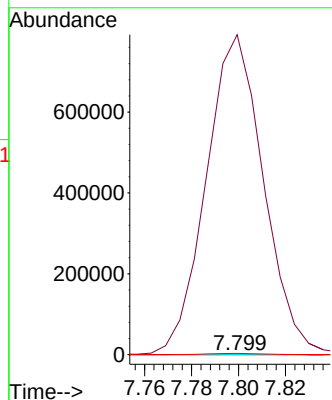
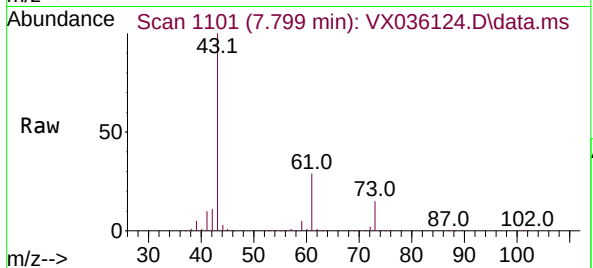
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

43 785486.0 27.4 41.0#

58 3218.6 58.9 88.3#



#50

Toluene-d8

Concen: 49.707 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036124.D

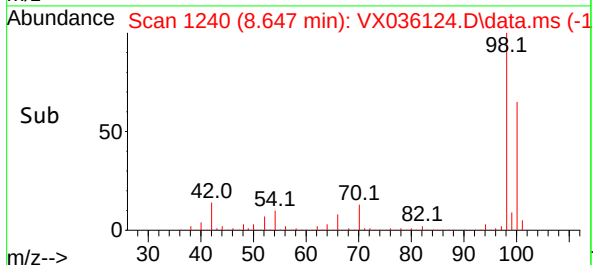
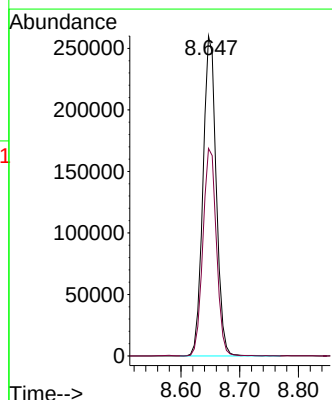
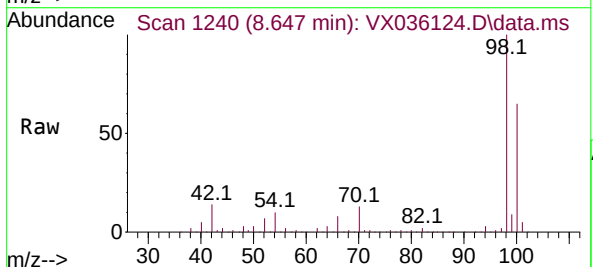
Acq: 12 Jun 2023 15:38

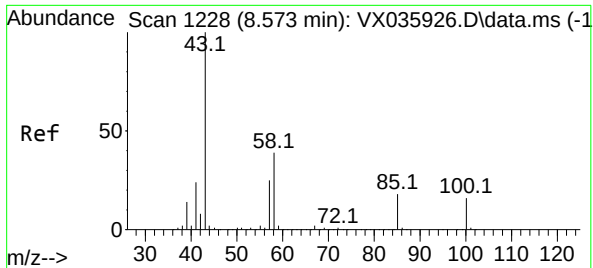
Tgt Ion: 98 Resp: 405603

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0

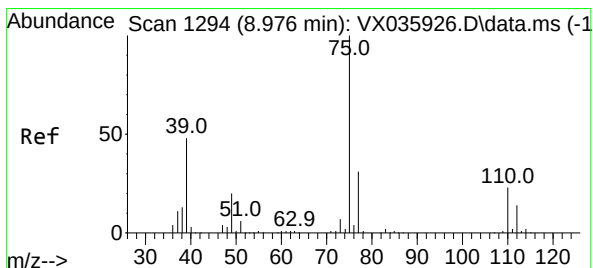
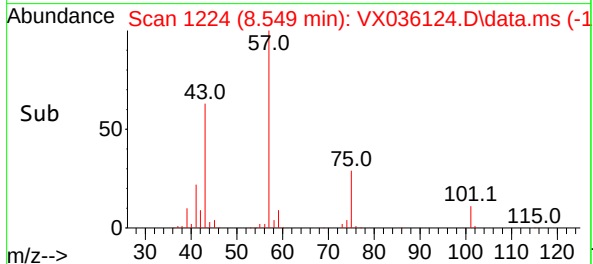
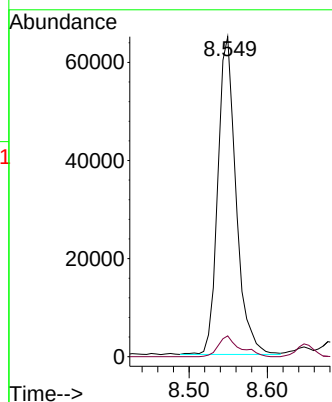
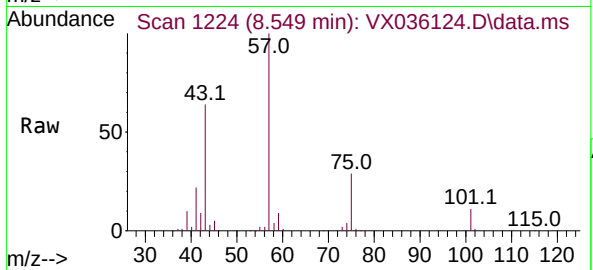




#51
4-Methyl-2-Pentanone
Concen: 30.928 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

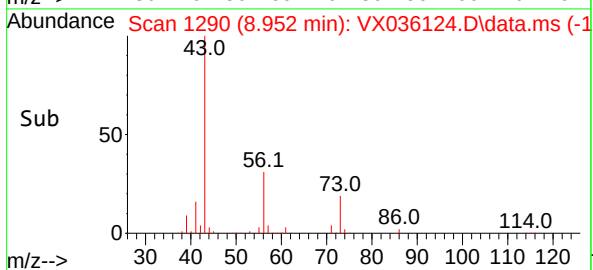
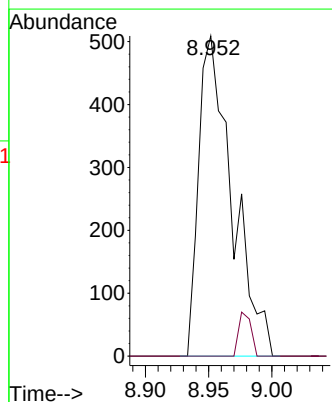
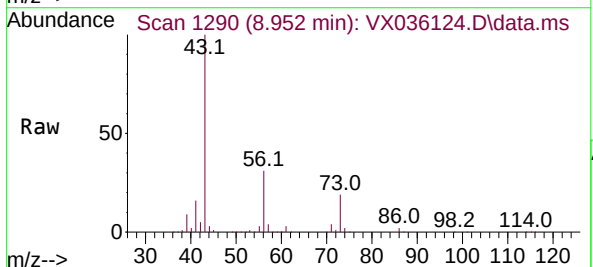
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

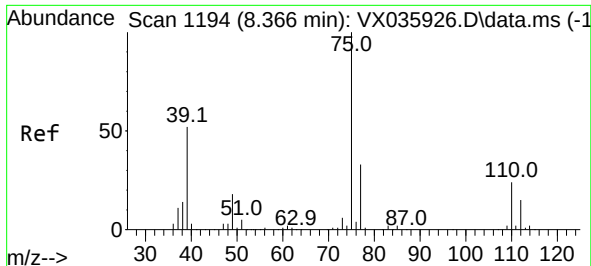
Tgt Ion: 43 Resp: 104801
Ion Ratio Lower Upper
43 100
58 7.7 30.1 45.1#



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 75 Resp: 939
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

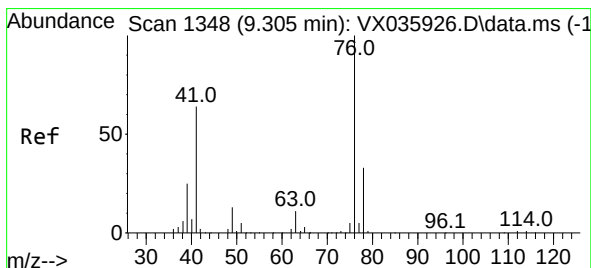
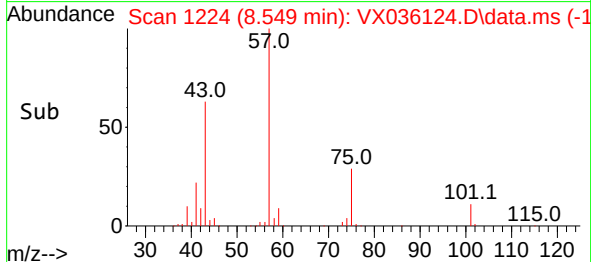
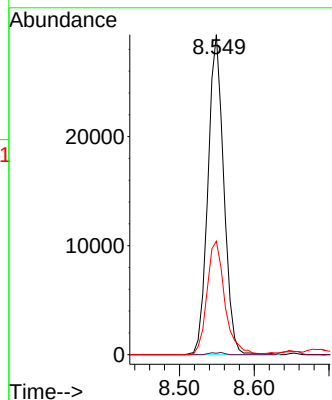
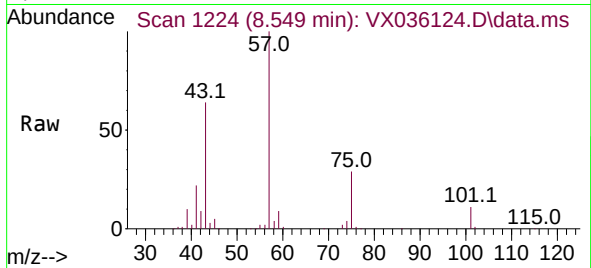




#54
 cis-1,3-Dichloropropene
 Concen: 11.788 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036124.D
 Acq: 12 Jun 2023 15:38

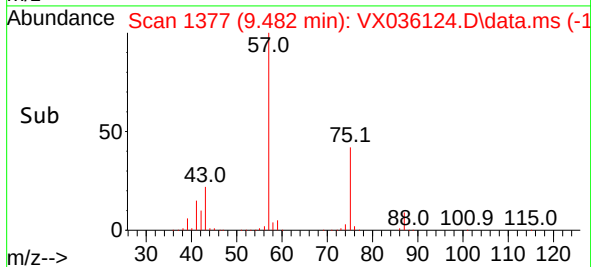
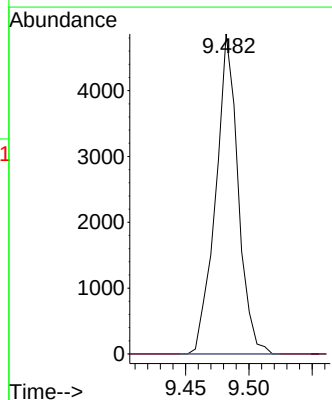
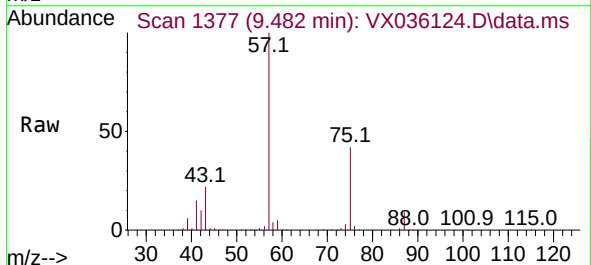
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153331ZHE#04

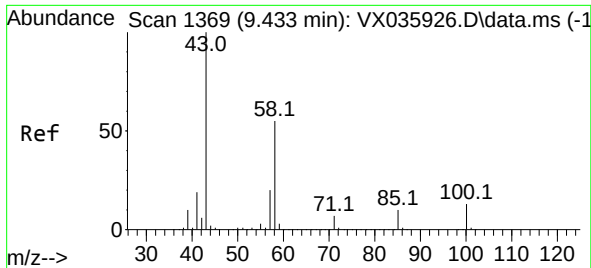
Tgt Ion: 75 Resp: 43057
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.7 37.1#
 39 35.5 47.0 70.6#



#57
 1,3-Dichloropropane
 Concen: 1.460 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX036124.D
 Acq: 12 Jun 2023 15:38

Tgt Ion: 76 Resp: 5990
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

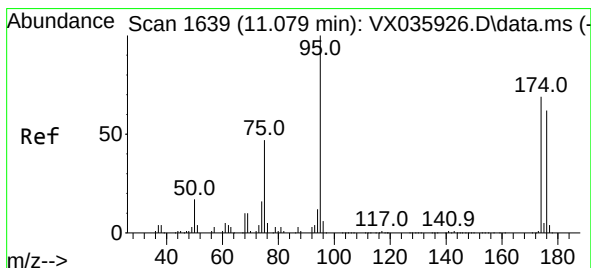
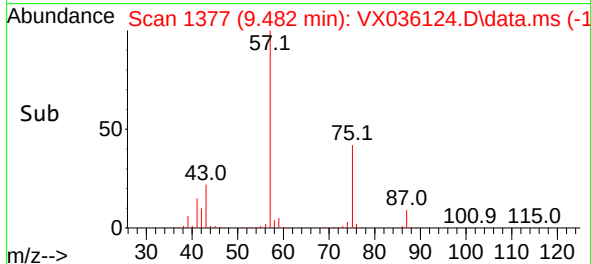
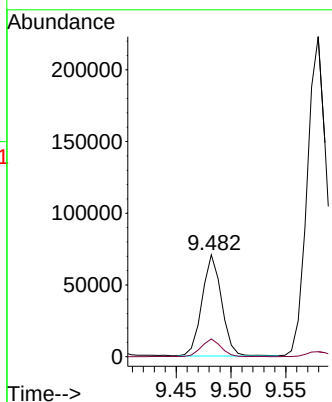
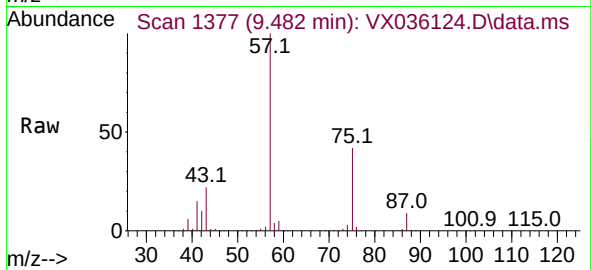




#59
2-Hexanone
Concen: 35.183 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

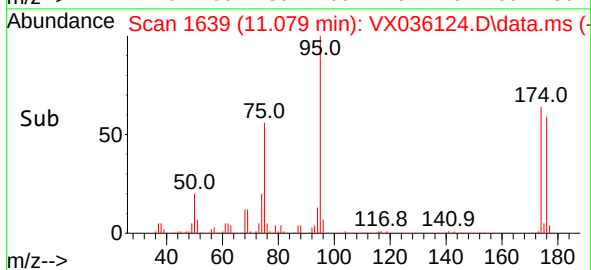
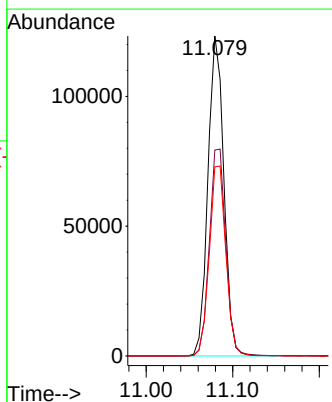
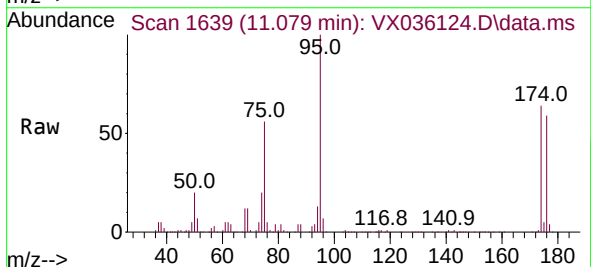
Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

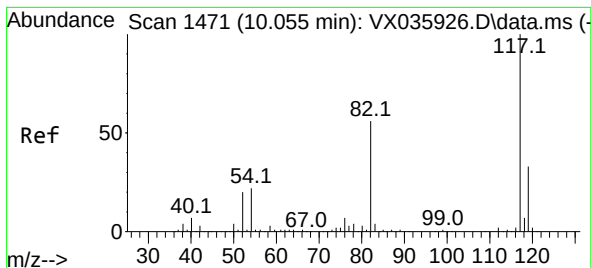
Tgt Ion: 43 Resp: 88139
Ion Ratio Lower Upper
43 100
58 17.7 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 95 Resp: 157562
Ion Ratio Lower Upper
95 100
174 66.9 0.0 132.6
176 61.6 0.0 128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#04

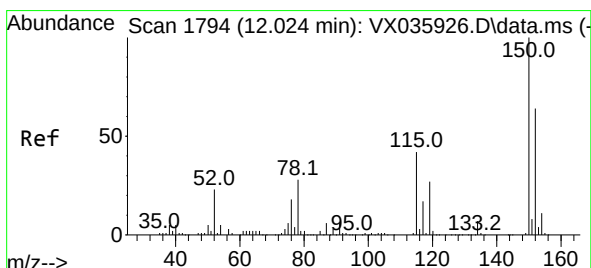
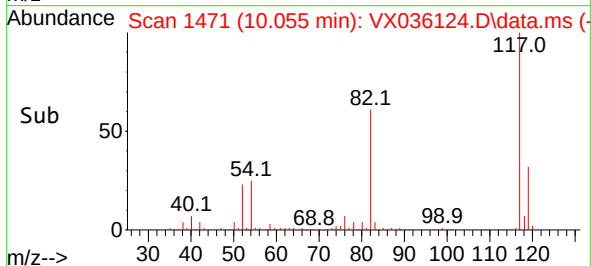
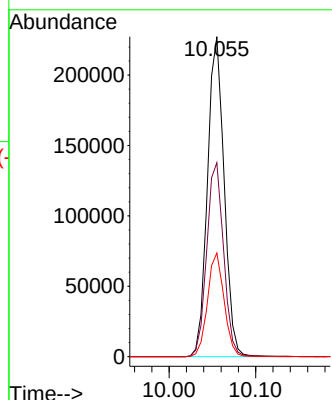
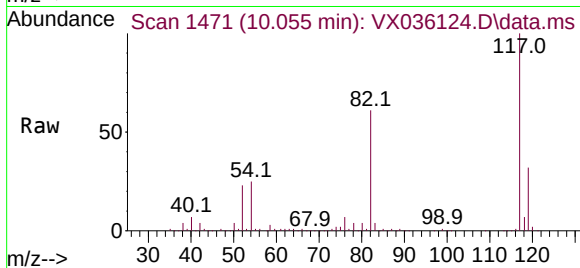
Tgt Ion:117 Resp: 304018

Ion Ratio Lower Upper

117 100

82 60.6 46.6 69.8

119 32.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

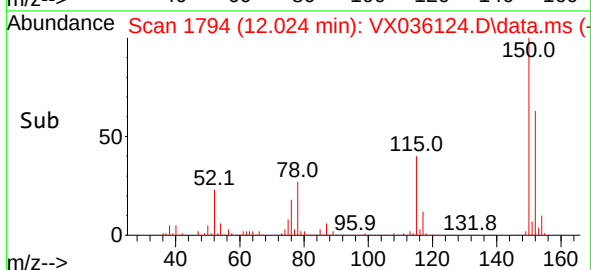
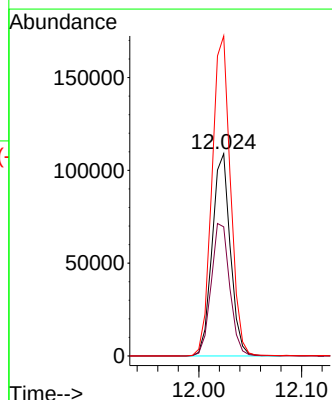
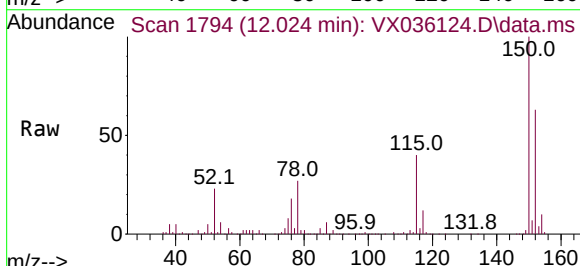
Tgt Ion:152 Resp: 134052

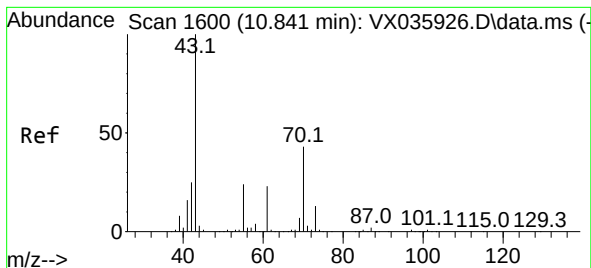
Ion Ratio Lower Upper

152 100

115 67.0 45.5 136.5

150 161.0 0.0 345.2





#74

N-amy1 acetate

Concen: 7.696 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036124.D

Acq: 12 Jun 2023 15:38

Instrument :

MSVOA_X

ClientSampleId :

PB153331ZHE#04

Tgt Ion: 43 Resp: 32677

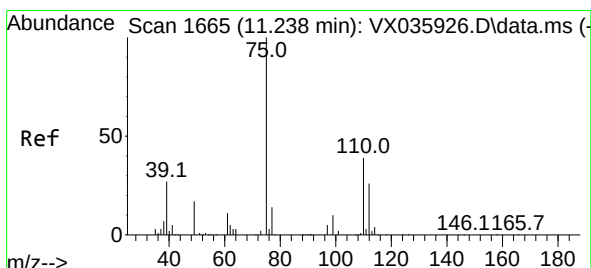
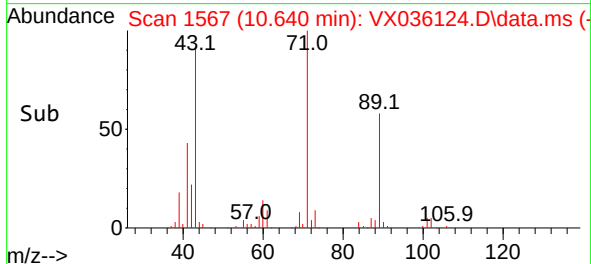
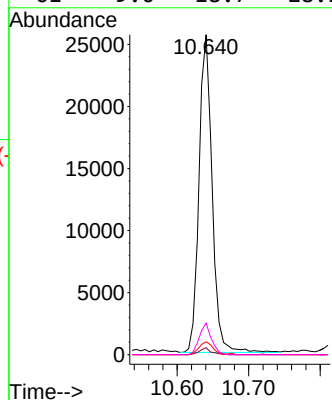
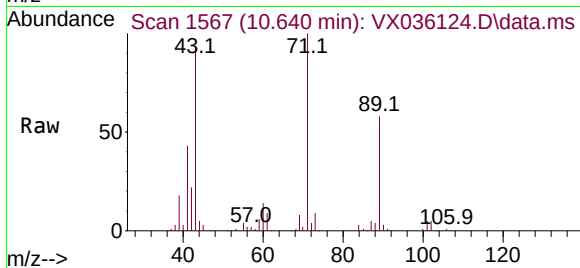
Ion Ratio Lower Upper

43 100

70 2.0 32.6 48.8#

55 4.1 19.0 28.4#

61 9.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 28.895 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036124.D

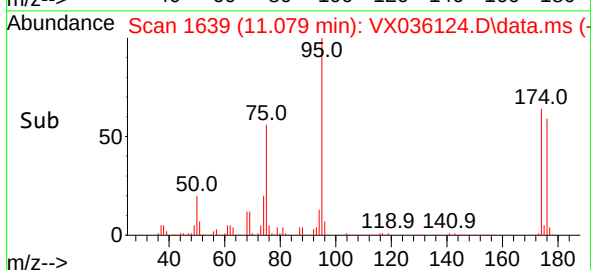
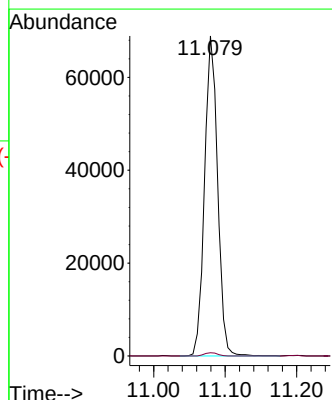
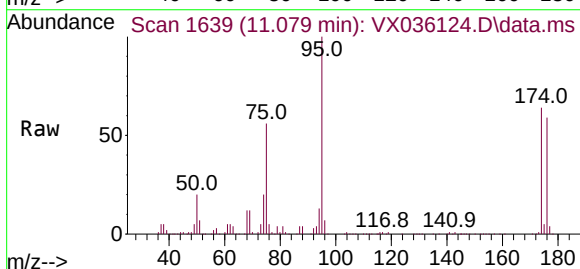
Acq: 12 Jun 2023 15:38

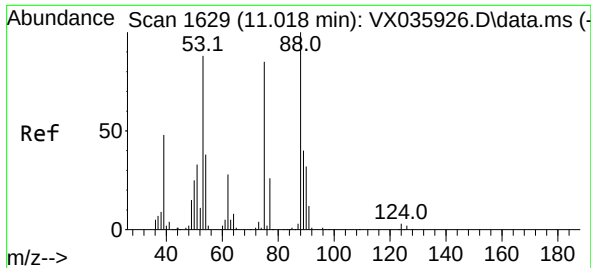
Tgt Ion: 75 Resp: 87364

Ion Ratio Lower Upper

75 100

77 1.0 21.4 64.2#

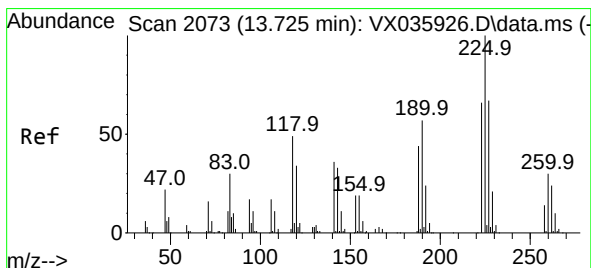
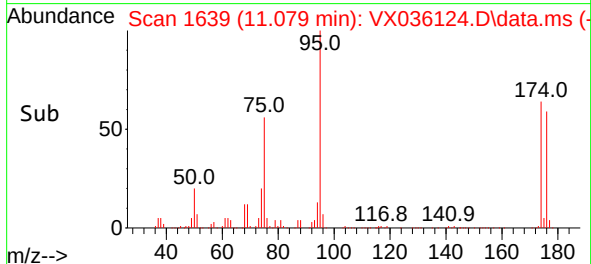
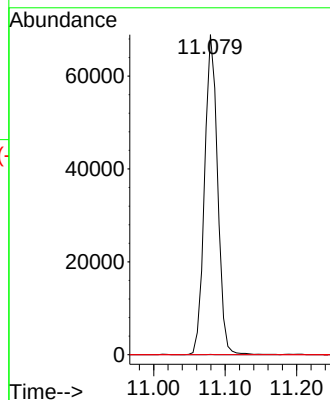
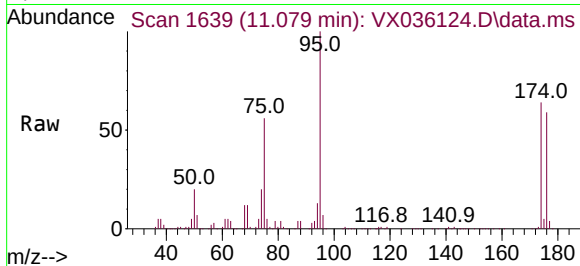




#81
trans-1,4-Dichloro-2-butene
Concen: 97.329 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Instrument :
MSVOA_X
ClientSampleId :
PB153331ZHE#04

Tgt Ion: 75 Resp: 87364
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#



#94
Hexachlorobutadiene
Concen: 0.285 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036124.D
Acq: 12 Jun 2023 15:38

Tgt Ion: 225 Resp: 277
Ion Ratio Lower Upper
225 100
223 9.4 32.6 97.7#
227 53.4 31.9 95.7

