

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045652.D
 Acq On : 08 Apr 2025 15:11
 Operator : JC/MD
 Sample : PB167492ZHE10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE10

Quant Time: Apr 09 01:39:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

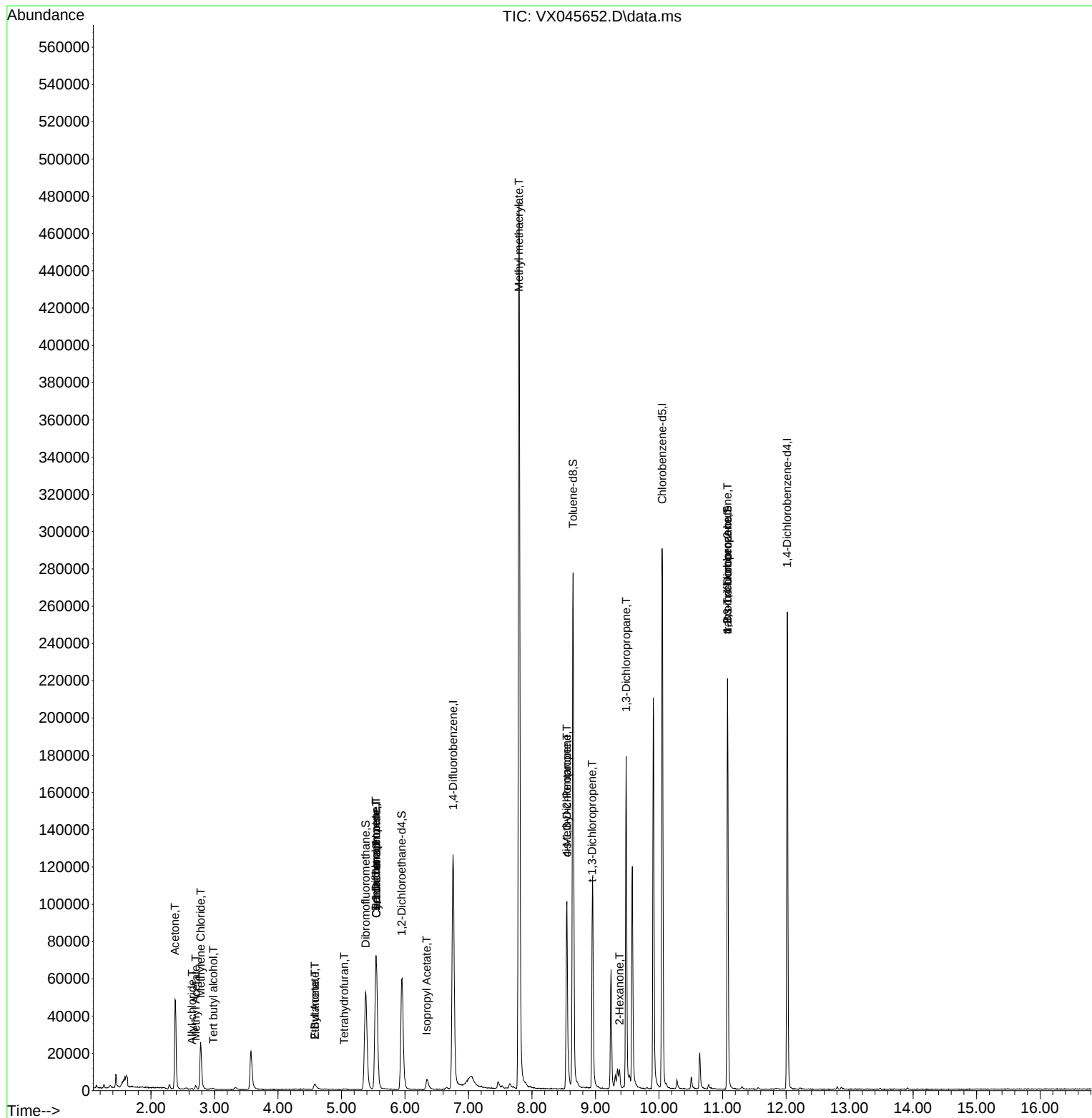
Internal Standards						
1) Pentafluorobenzene	5.544	168	60833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	61693	55.456	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.920%			
35) Dibromofluoromethane	5.379	113	45035	51.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.647	98	158930	52.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.440%			
62) 4-Bromofluorobenzene	11.079	95	57513	51.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.760%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	713	4.769	ug/l #	72
14) Allyl chloride	2.648	41	339	0.245	ug/l #	54
16) Acetone	2.380	43	54418	119.125	ug/l	99
18) Methyl Acetate	2.703	43	2653	2.522	ug/l	95
20) Methylene Chloride	2.782	84	11420	13.353	ug/l	96
25) 2-Butanone	4.580	43	6970	10.423	ug/l	97
29) Tetrahydrofuran	5.044	42	182	0.420	ug/l #	35
31) Cyclohexane	5.550	56	1786	1.309	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	6568	5.579	ug/l #	51
37) Ethyl Acetate	4.580	43	6970	4.698	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7535	5.922	ug/l #	15
43) Isopropyl Acetate	6.342	43	8356	3.716	ug/l	98
48) Methyl methacrylate	7.793	41	47282	40.727	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41514	27.851	ug/l #	48
53) t-1,3-Dichloropropene	8.946	75	214	2.444	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14874	11.509	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1463	0.969	ug/l #	42
59) 2-Hexanone	9.378	43	9526	8.630	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	33448	29.159	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33448	98.963	ug/l #	1

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

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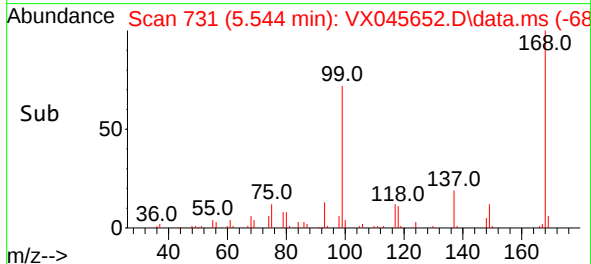
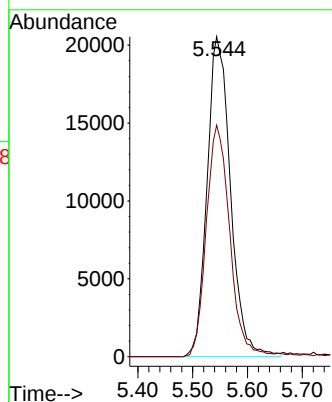
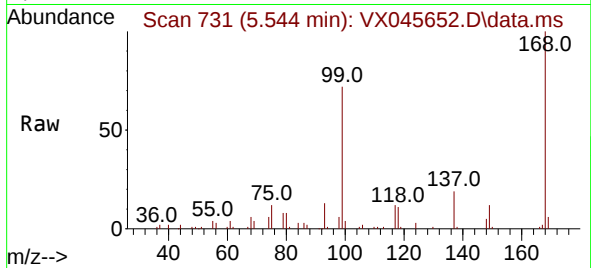




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 713
Delta R.T. -0.006 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

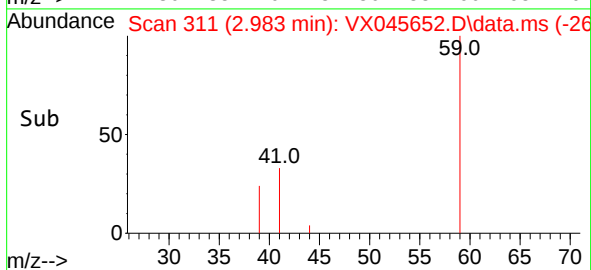
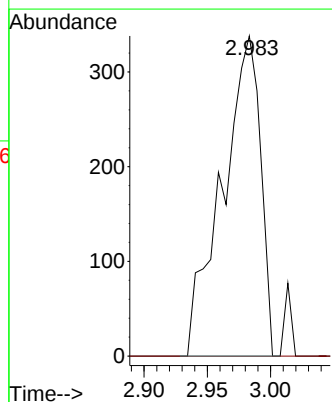
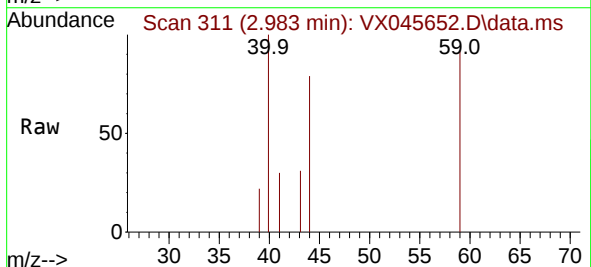
Instrument :
MSVOA_X
ClientSampleId :
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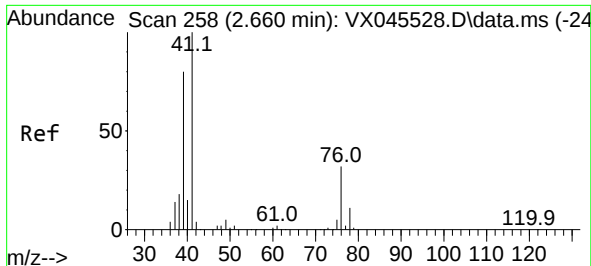
Tgt Ion:168 Resp: 60833
Ion Ratio Lower Upper
168 100
99 72.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.769 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

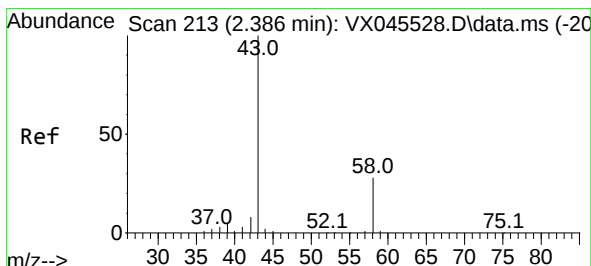
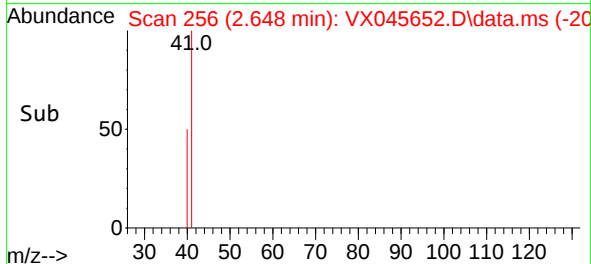
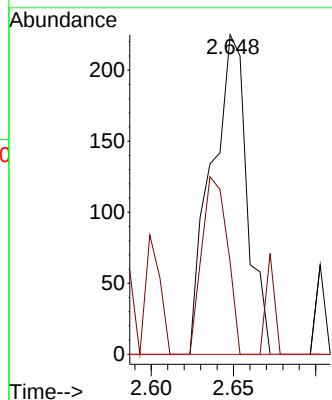
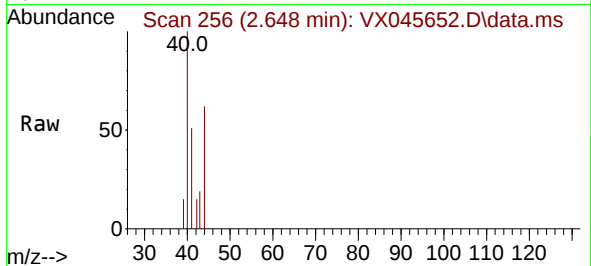




#14
 Allyl chloride
 Concen: 0.245 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX045652.D
 Acq: 08 Apr 2025 15:11

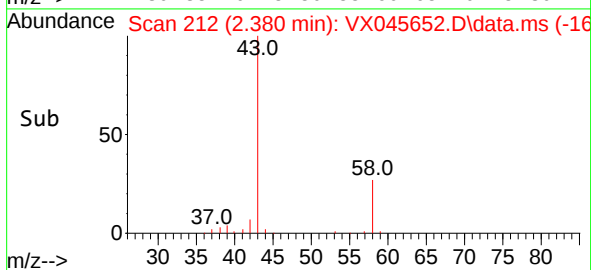
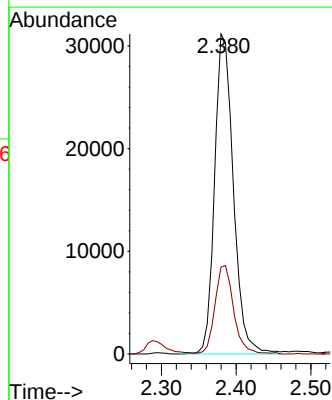
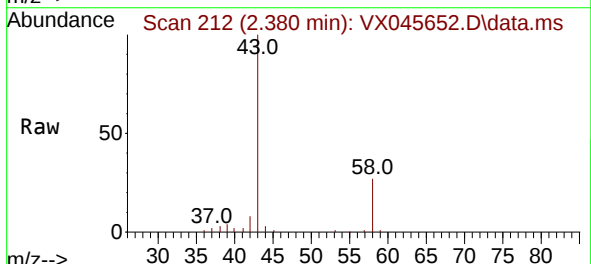
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE10

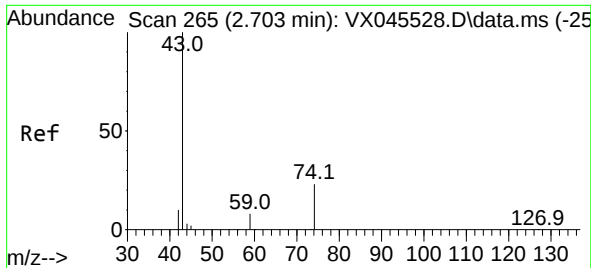
Tgt Ion: 41 Resp: 339
 Ion Ratio Lower Upper
 41 100
 39 39.8 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 119.125 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045652.D
 Acq: 08 Apr 2025 15:11

Tgt Ion: 43 Resp: 54418
 Ion Ratio Lower Upper
 43 100
 58 27.1 22.3 33.5

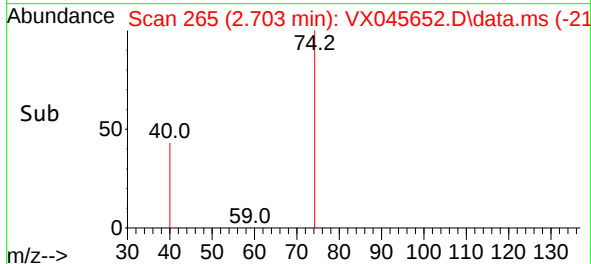
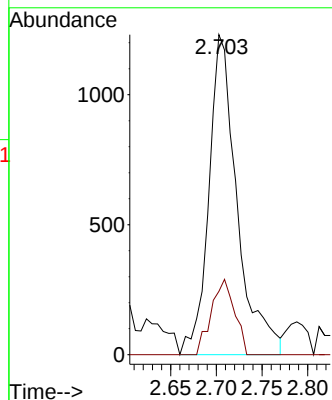
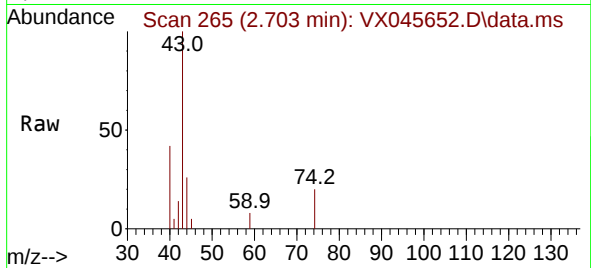




#18
Methyl Acetate
Concen: 2.522 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

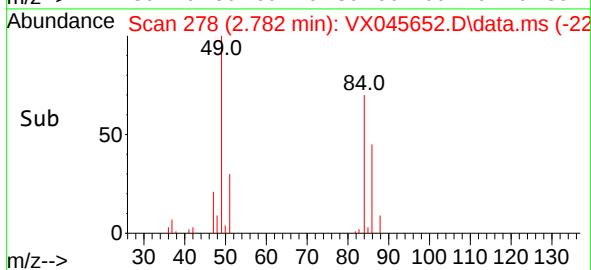
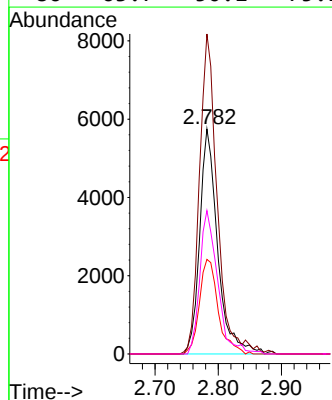
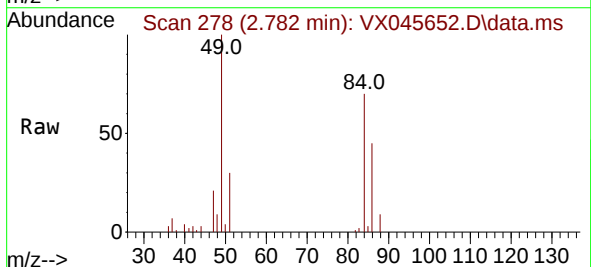
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

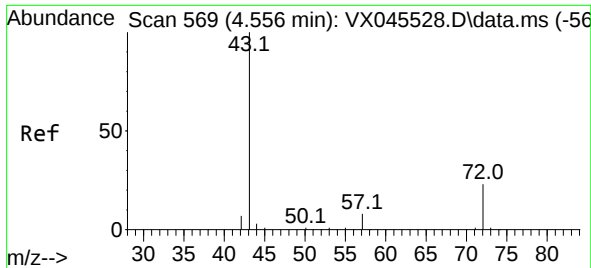
Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
74 19.3 17.5 26.3



#20
Methylene Chloride
Concen: 13.353 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 84 Resp: 11420
Ion Ratio Lower Upper
84 100
49 142.3 107.5 161.3
51 42.0 33.0 49.6
86 63.7 50.1 75.1

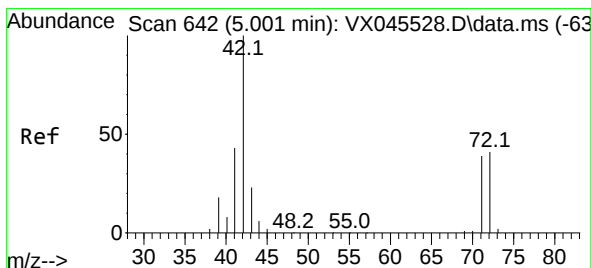
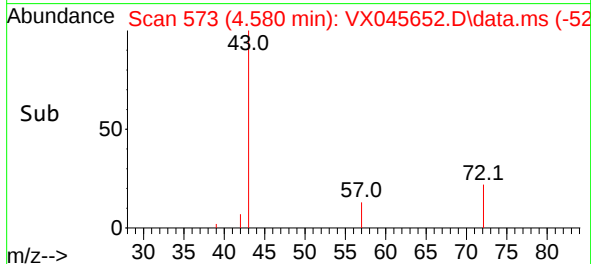
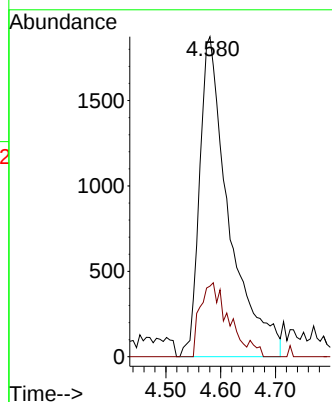
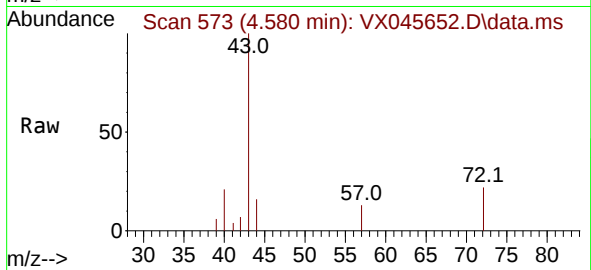




#25
2-Butanone
Concen: 10.423 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

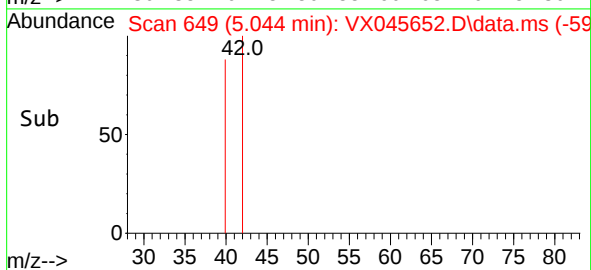
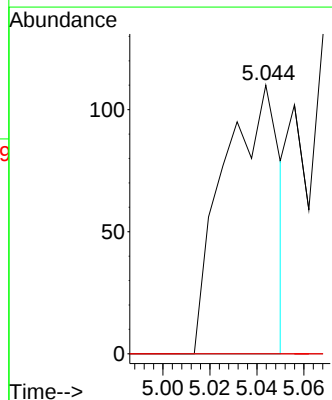
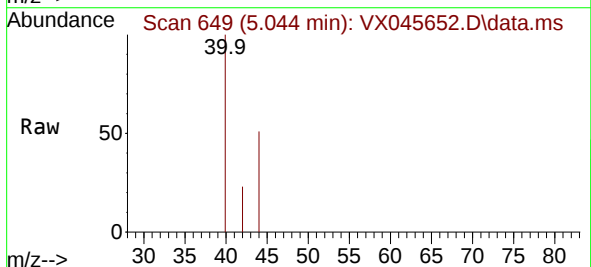
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

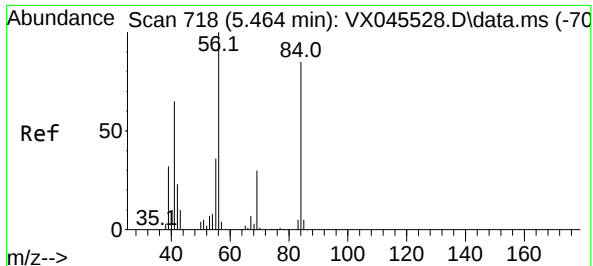
Tgt Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
72 22.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.420 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

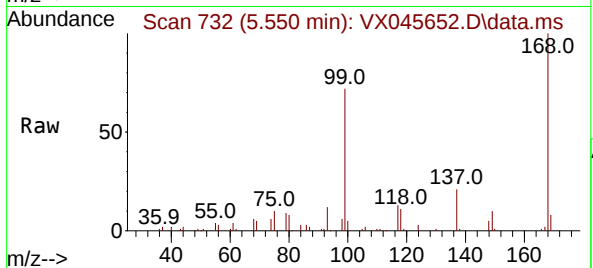
Tgt Ion: 42 Resp: 182
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



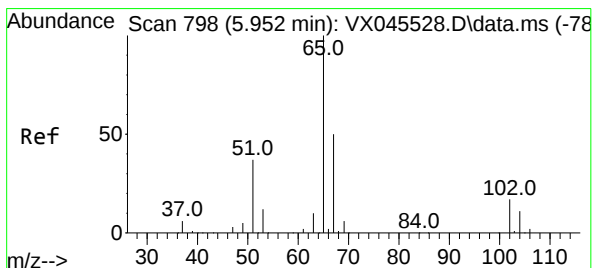
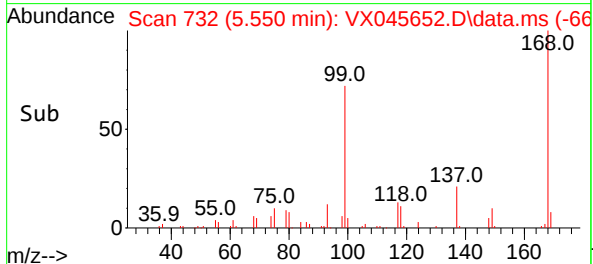
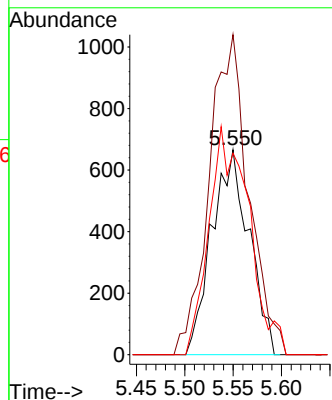


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

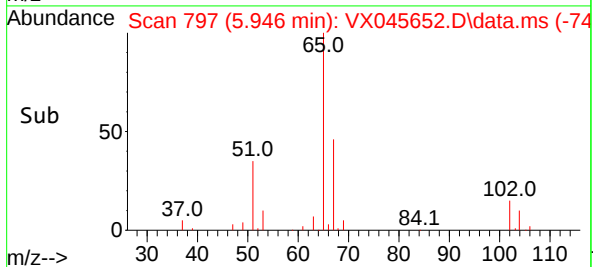
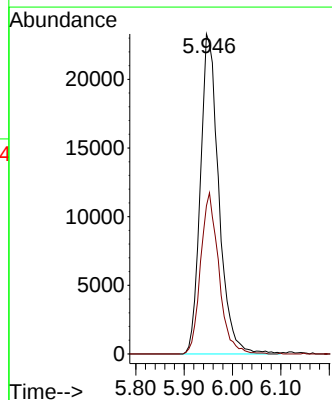
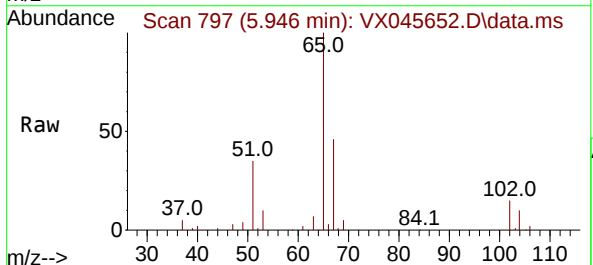


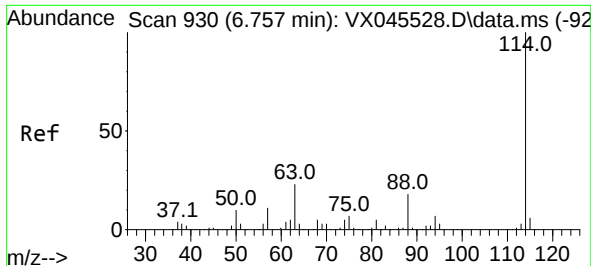
Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 145.9 23.6 35.4#
84 98.3 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.456 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 65 Resp: 61693
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

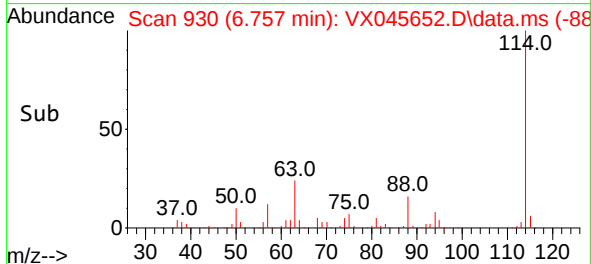
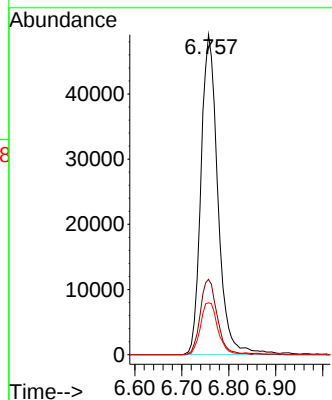
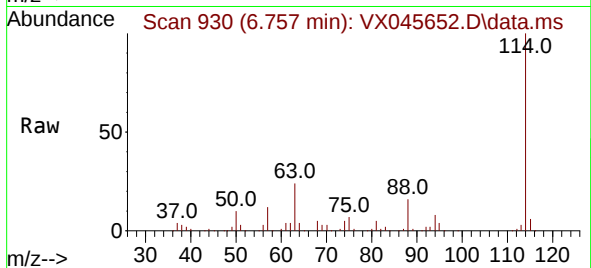




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

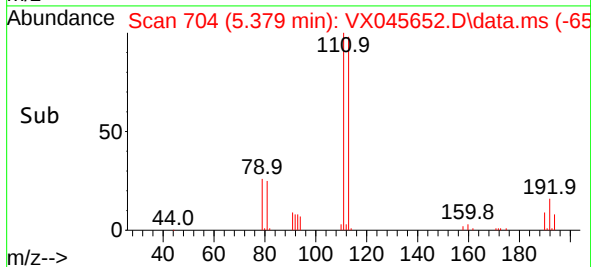
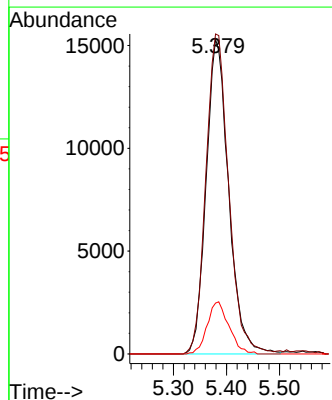
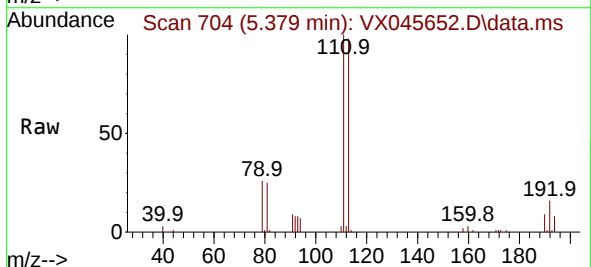
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Tgt Ion:114 Resp: 122887
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.8
88 16.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.652 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion:113 Resp: 45035
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 16.0 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.579 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045652.D

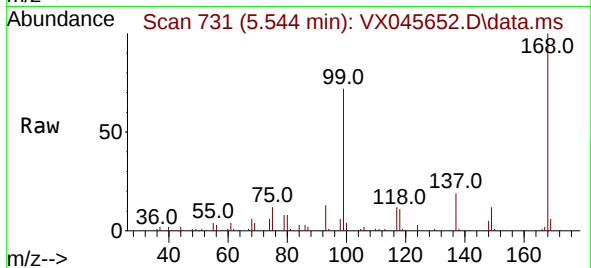
Acq: 08 Apr 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE10



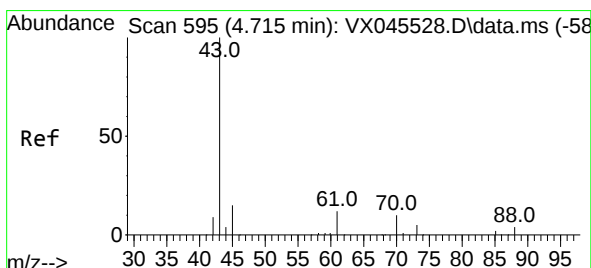
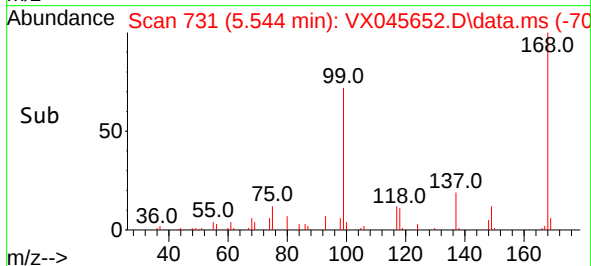
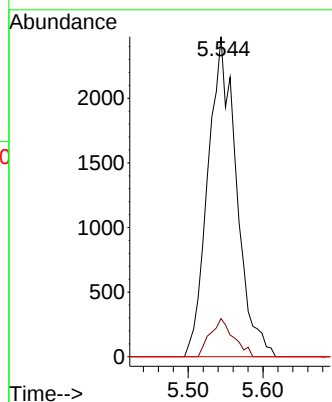
Tgt Ion: 75 Resp: 6568

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.698 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.134 min

Lab File: VX045652.D

Acq: 08 Apr 2025 15:11

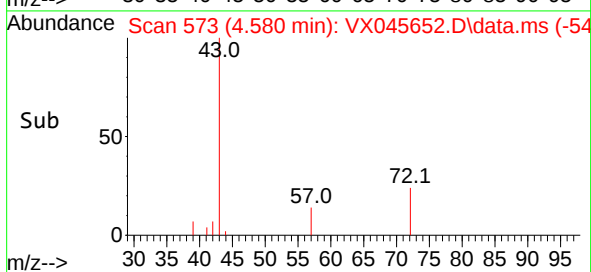
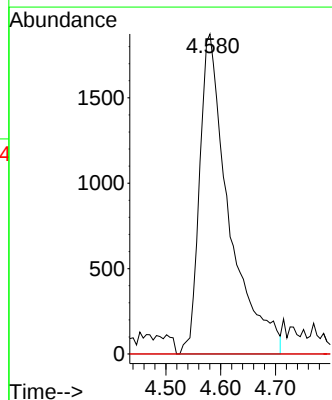
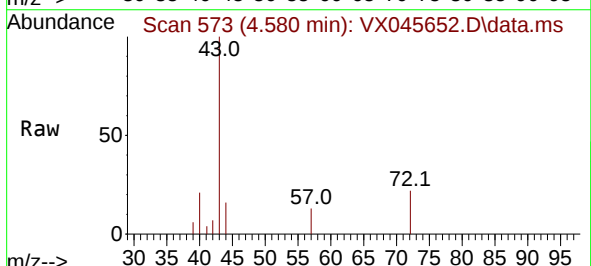
Tgt Ion: 43 Resp: 6970

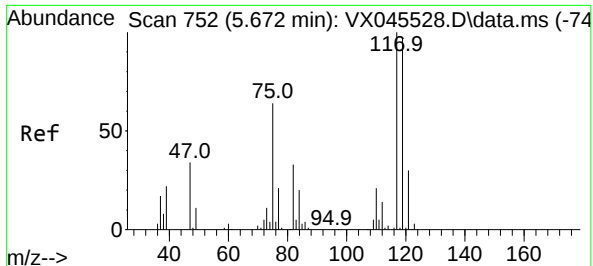
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

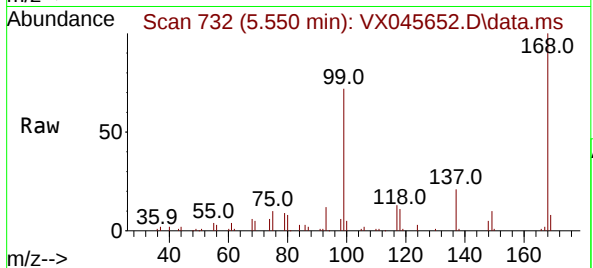
70 0.0 7.5 11.3#



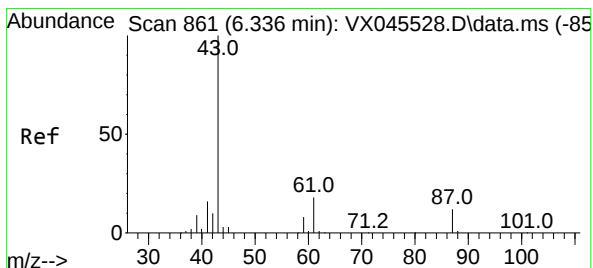
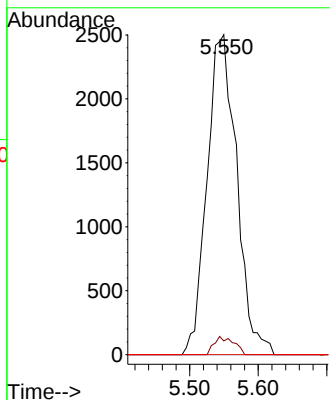
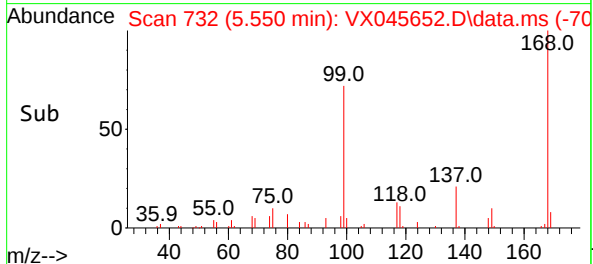


#38
Carbon Tetrachloride
Concen: 5.922 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

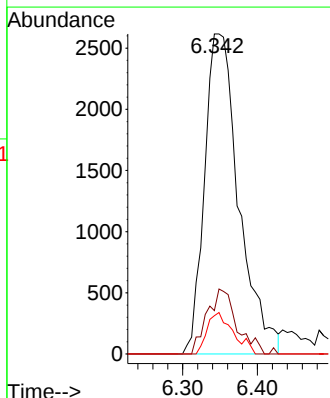
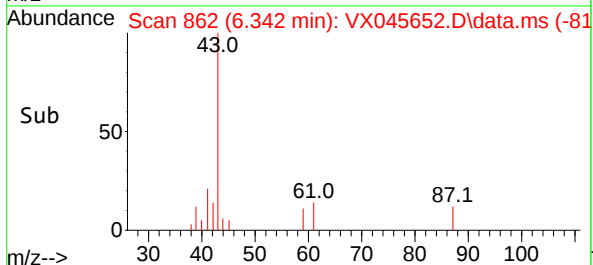
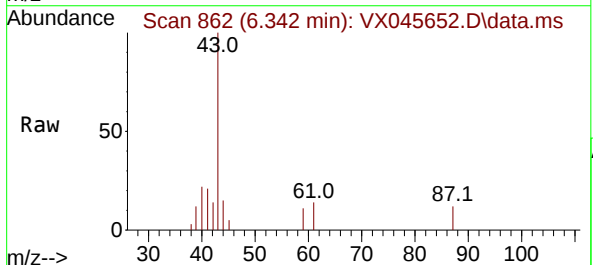


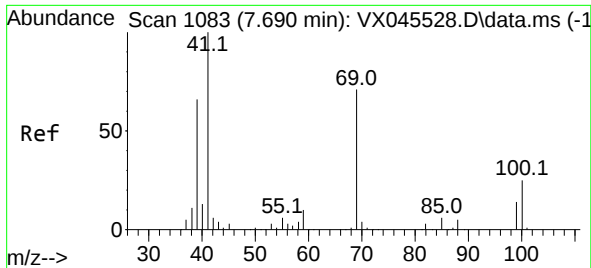
Tgt Ion:117 Resp: 7535
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.716 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 43 Resp: 8356
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 9.8 9.2 13.8

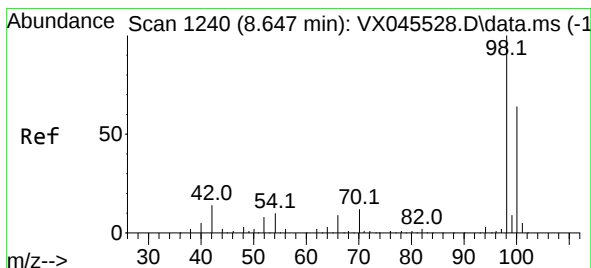
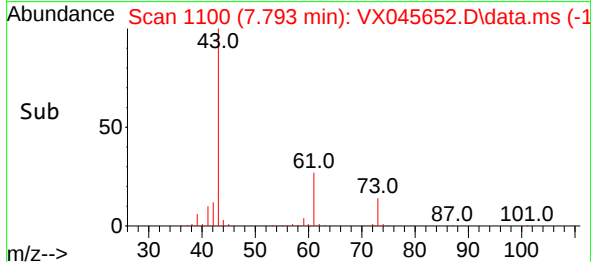
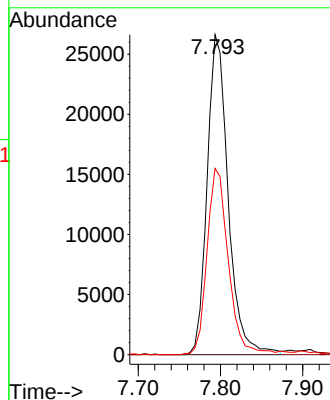
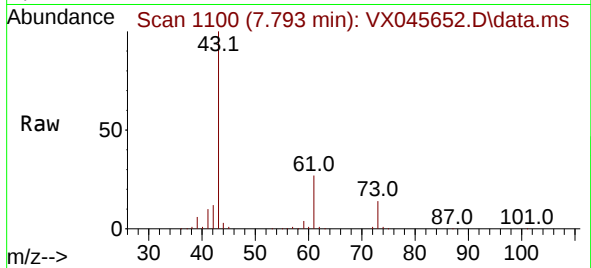




#48
Methyl methacrylate
Concen: 40.727 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

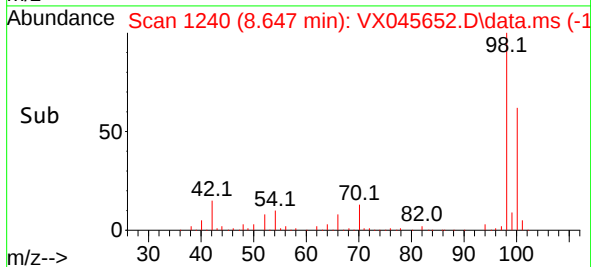
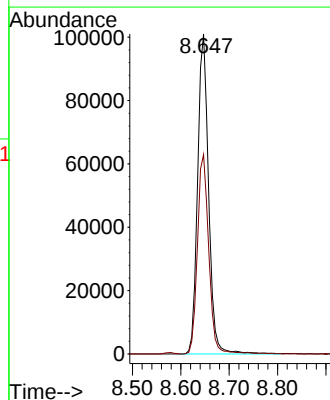
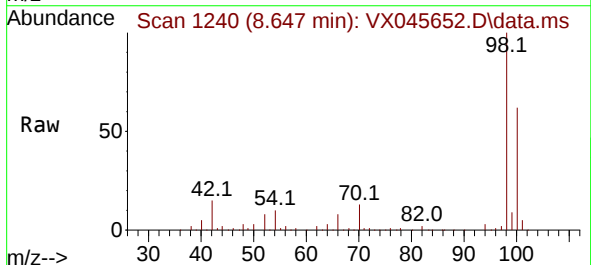
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

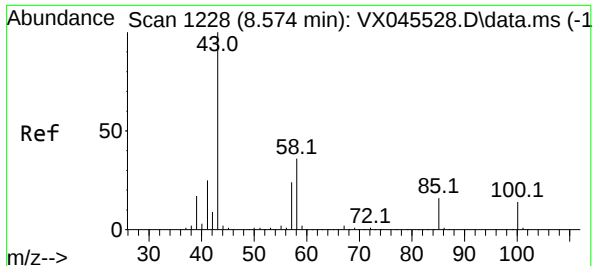
Tgt Ion: 41 Resp: 47282
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4



#50
Toluene-d8
Concen: 52.224 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 98 Resp: 158930
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

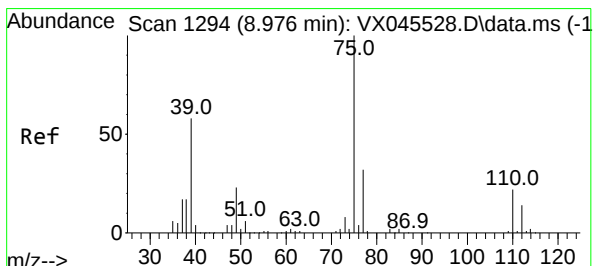
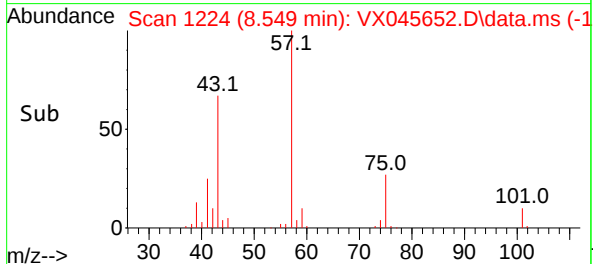
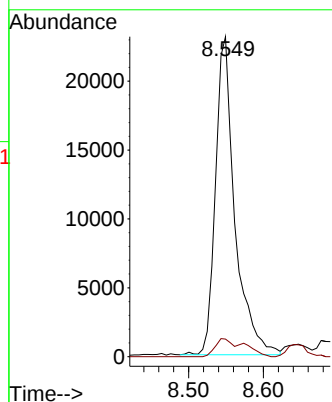
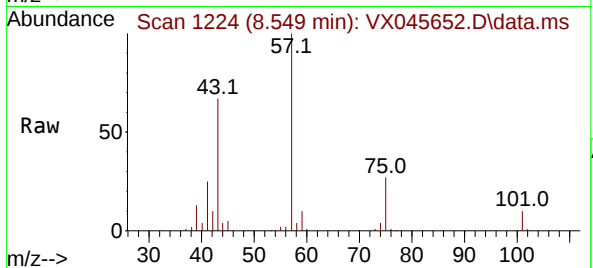




#51
4-Methyl-2-Pentanone
Concen: 27.851 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

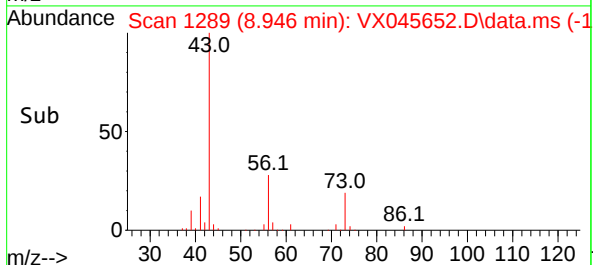
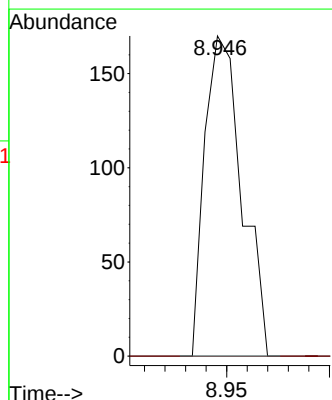
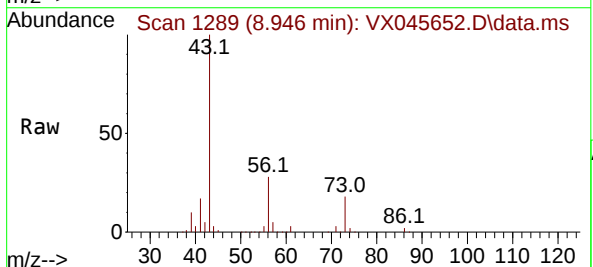
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

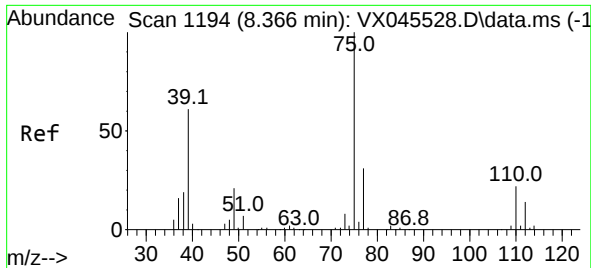
Tgt Ion: 43 Resp: 41514
Ion Ratio Lower Upper
43 100
58 5.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.444 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

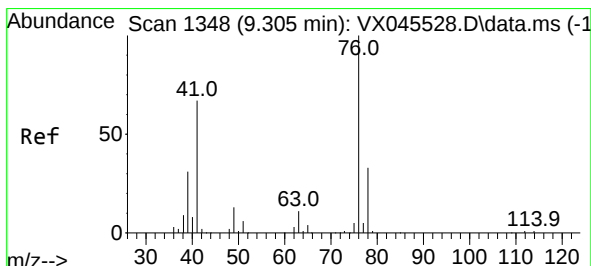
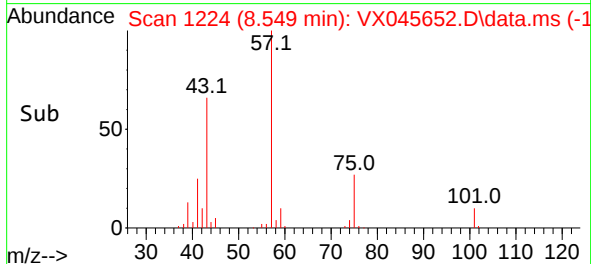
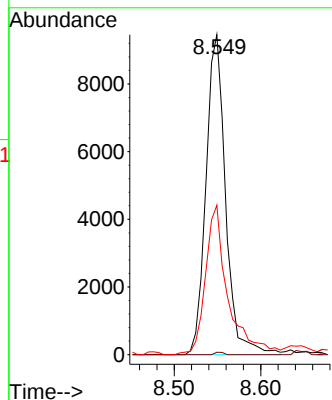
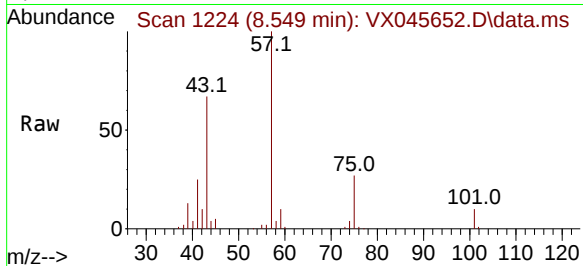




#54
 cis-1,3-Dichloropropene
 Concen: 11.509 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045652.D
 Acq: 08 Apr 2025 15:11

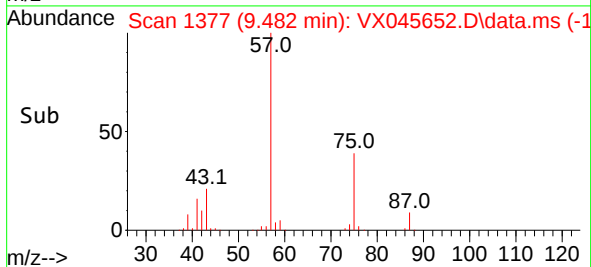
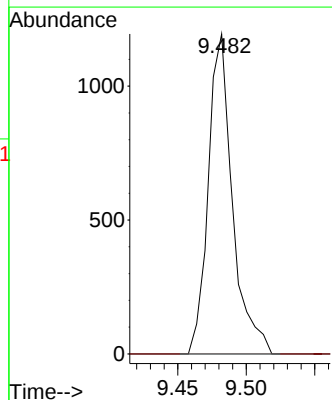
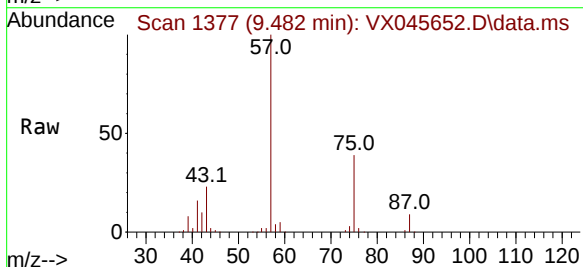
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE10

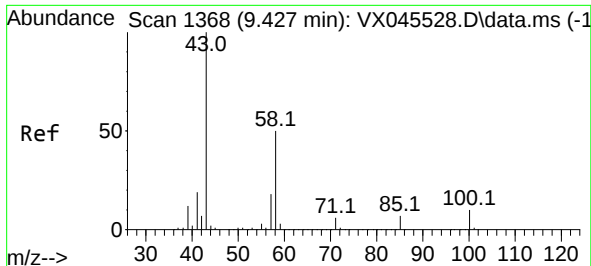
Tgt Ion: 75 Resp: 14874
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 36.8#
 39 46.1 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.969 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045652.D
 Acq: 08 Apr 2025 15:11

Tgt Ion: 76 Resp: 1463
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.630 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045652.D

Acq: 08 Apr 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

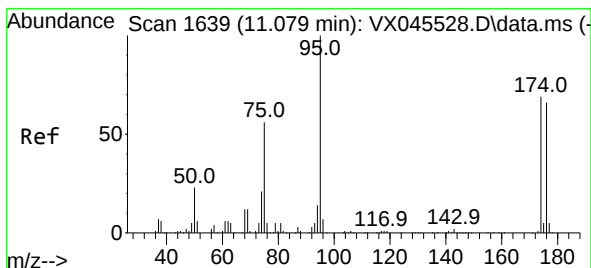
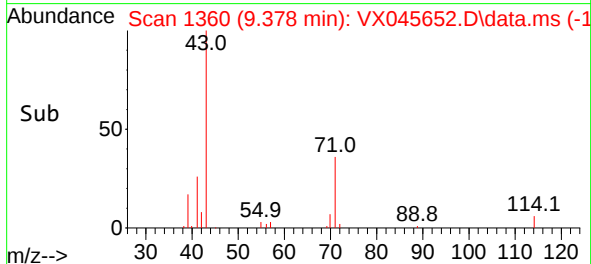
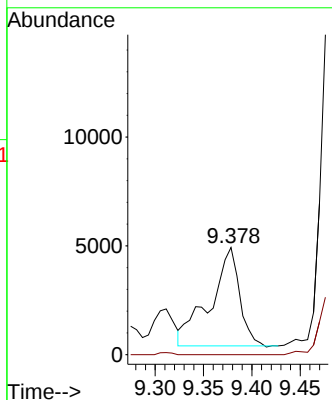
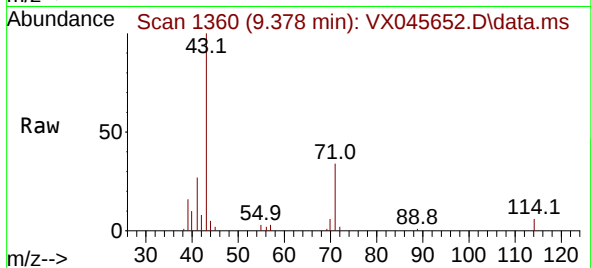
PB167492ZHE10

Tgt Ion: 43 Resp: 9526

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 51.884 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045652.D

Acq: 08 Apr 2025 15:11

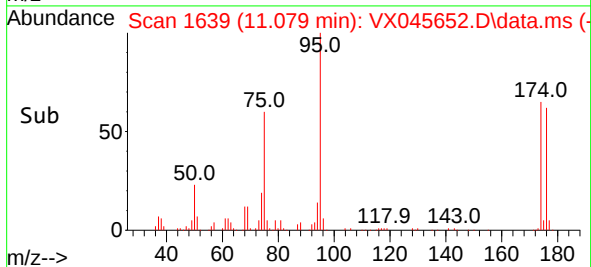
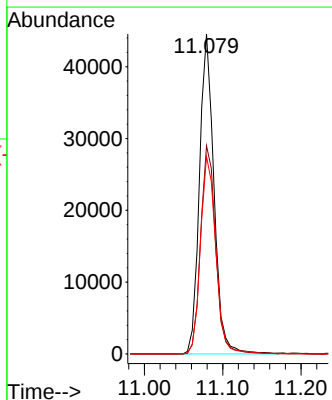
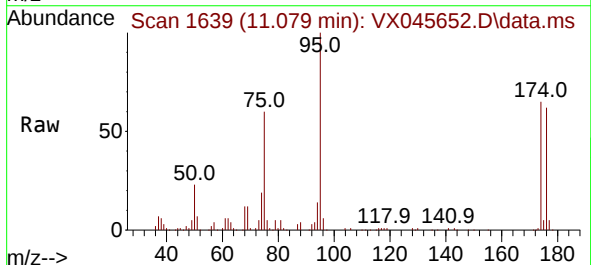
Tgt Ion: 95 Resp: 57513

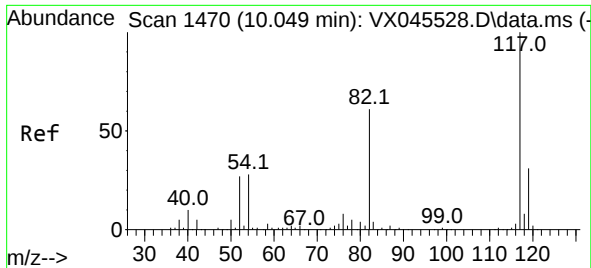
Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 65.0 0.0 131.4

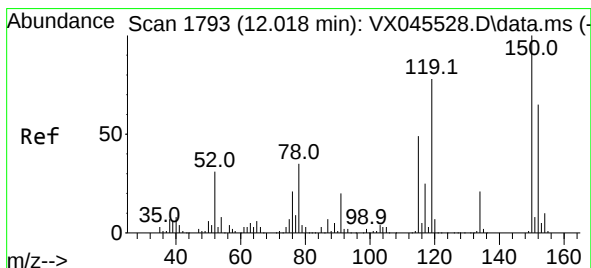
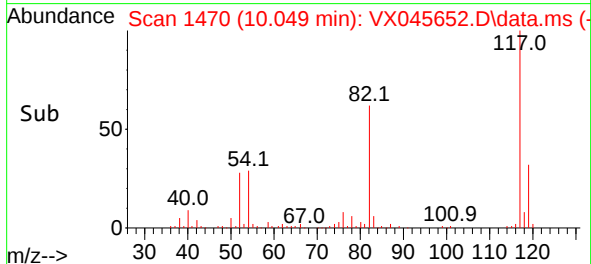
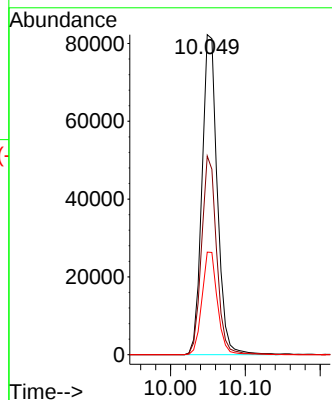
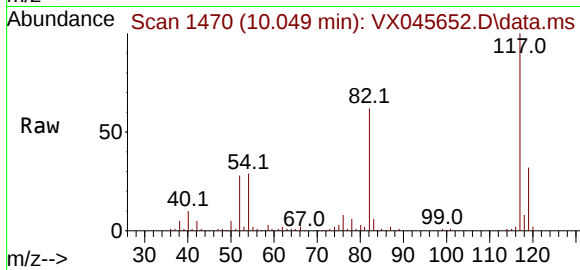




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

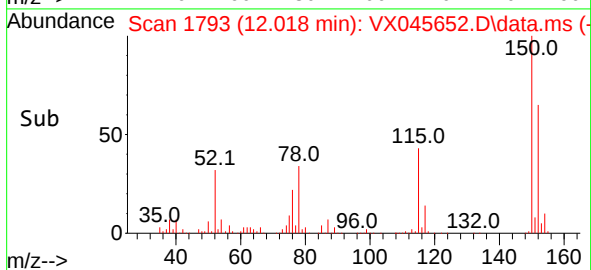
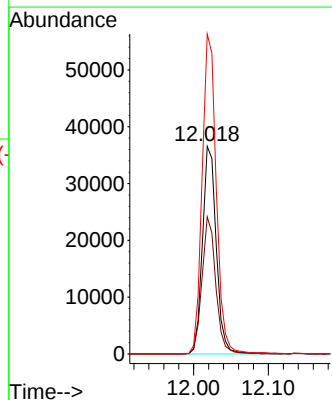
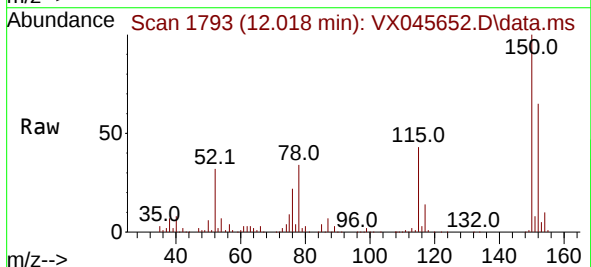
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE10

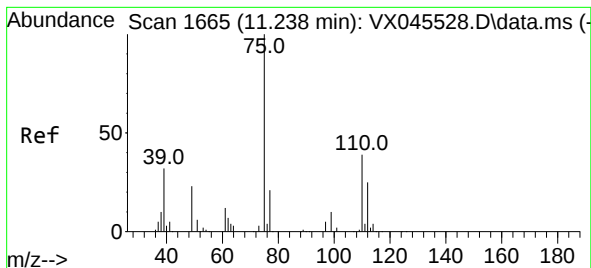
Tgt Ion:117 Resp: 117182
Ion Ratio Lower Upper
117 100
82 62.1 49.2 73.8
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045652.D
Acq: 08 Apr 2025 15:11

Tgt Ion:152 Resp: 47026
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 157.6 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 29.159 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045652.D

Acq: 08 Apr 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

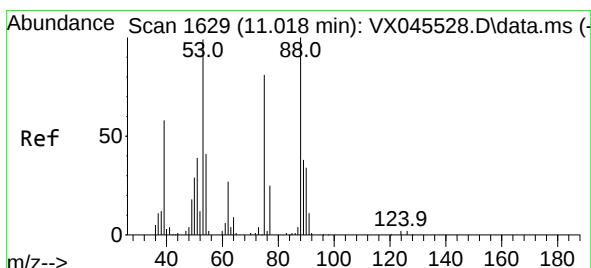
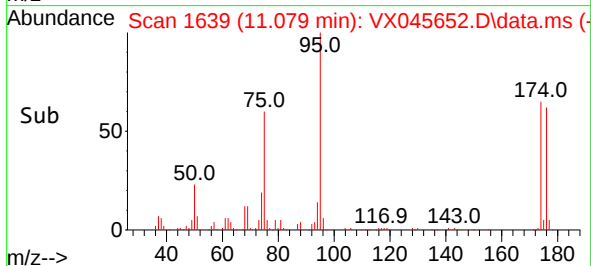
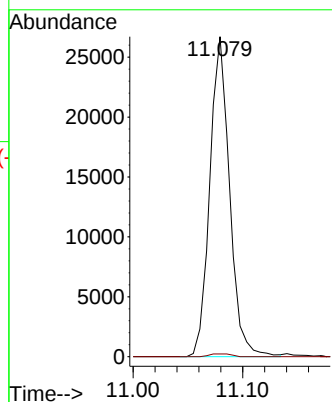
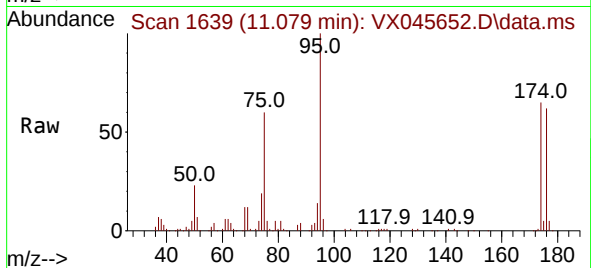
PB167492ZHE10

Tgt Ion: 75 Resp: 33448

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.963 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045652.D

Acq: 08 Apr 2025 15:11

Tgt Ion: 75 Resp: 33448

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

