

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045920.D
 Acq On : 24 Apr 2025 12:27
 Operator : JC/MD
 Sample : PB167707ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#01

Quant Time: Apr 25 02:26:24 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)

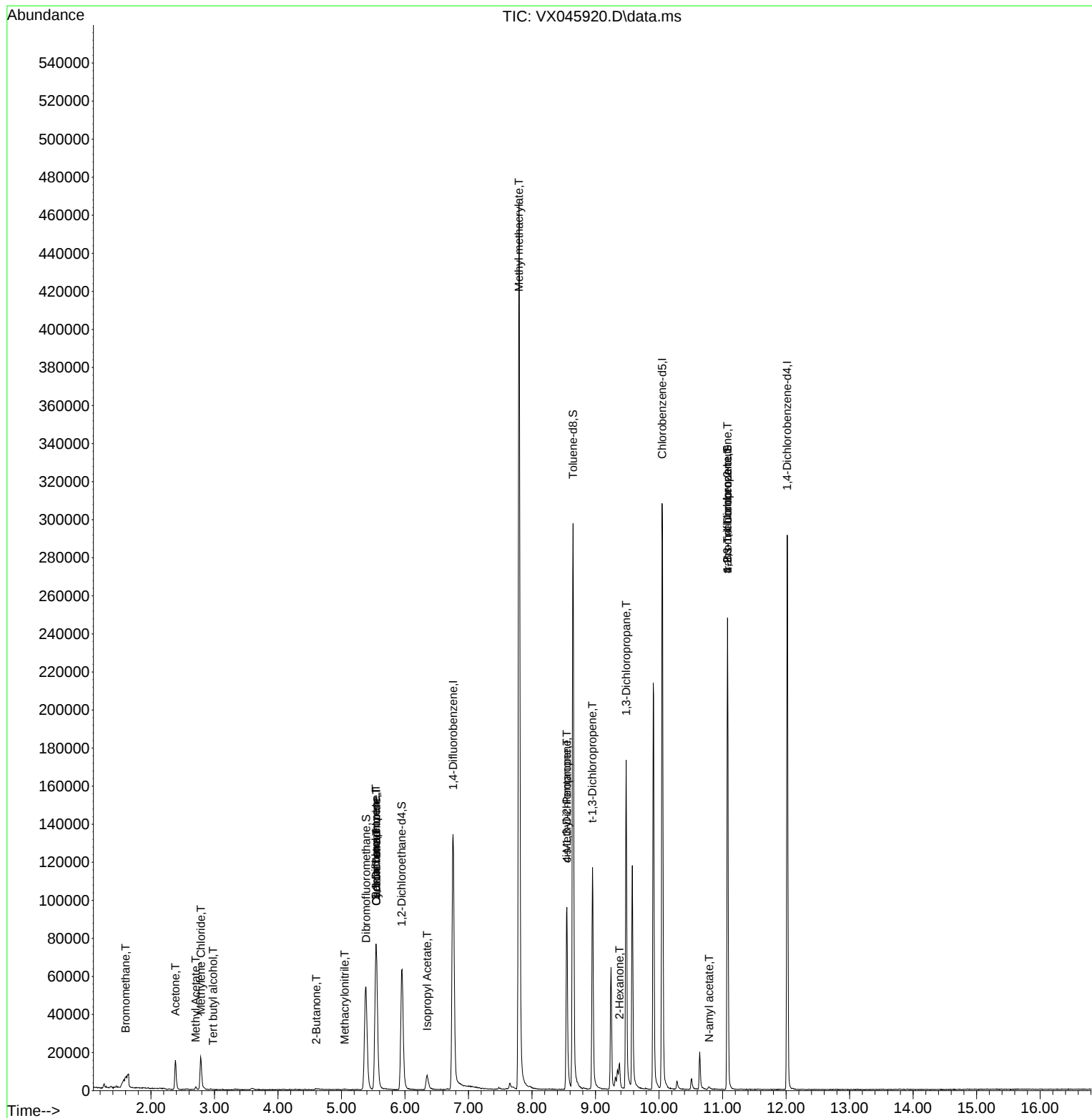
Internal Standards						
1) Pentafluorobenzene	5.544	168	66422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66742	54.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.900%			
35) Dibromofluoromethane	5.385	113	47375	50.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	8.647	98	169748	51.568	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	11.079	95	64013	53.388	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	118	0.266	ug/l #	3
11) Tert butyl alcohol	2.977	59	138	0.845	ug/l #	72
16) Acetone	2.386	43	16488	33.056	ug/l	98
18) Methyl Acetate	2.703	43	1885	1.641	ug/l #	88
20) Methylene Chloride	2.788	84	7885	8.444	ug/l	90
25) 2-Butanone	4.605	43	771	1.056	ug/l #	52
31) Cyclohexane	5.550	56	2008	1.348	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	6730	5.285	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7980	5.799	ug/l #	15
41) Methacrylonitrile	5.050	41	220	0.260	ug/l #	51
43) Isopropyl Acetate	6.348	43	11481	4.721	ug/l	99
48) Methyl methacrylate	7.793	41	46639	37.140	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37542	23.285	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	213	2.431	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14646	10.477	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1442	0.883	ug/l #	42
59) 2-Hexanone	9.378	43	13054	10.933	ug/l #	28
74) N-amyl acetate	10.787	43	1662	0.808	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36966	28.225	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36966	95.792	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
Data File : VX045920.D
Acq On : 24 Apr 2025 12:27
Operator : JC/MD
Sample : PB167707ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

Quant Time: Apr 25 02:26:24 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

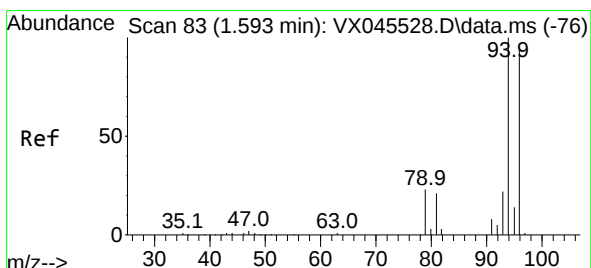
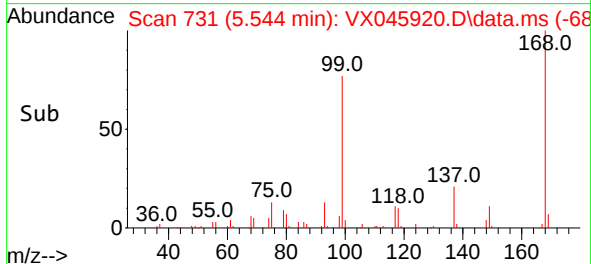
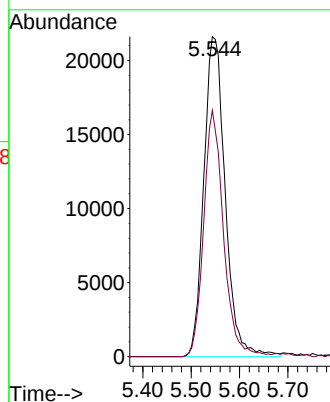
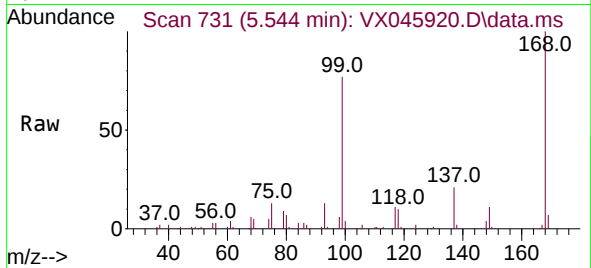




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

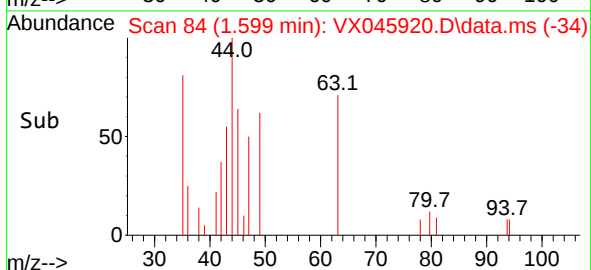
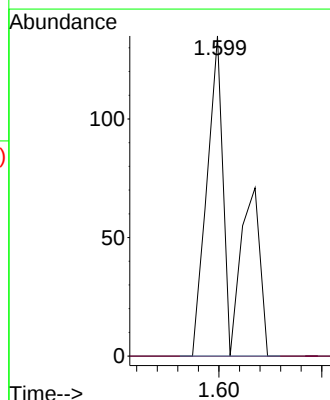
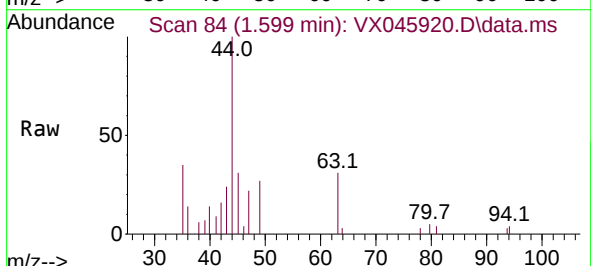
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

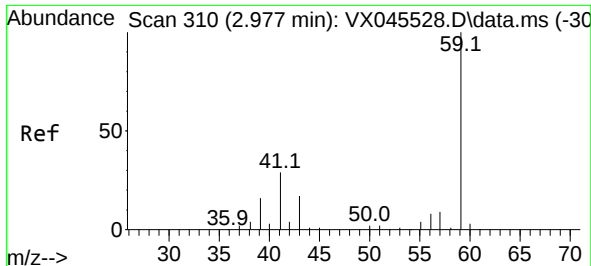
Tgt Ion:168 Resp: 66422
Ion Ratio Lower Upper
168 100
99 76.9 52.3 78.5



#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

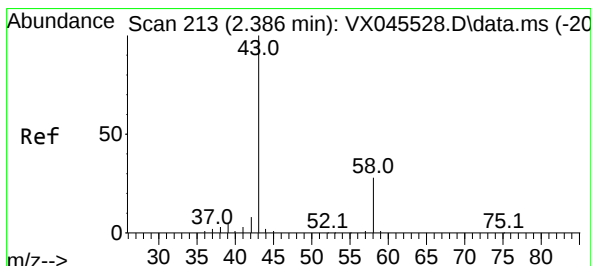
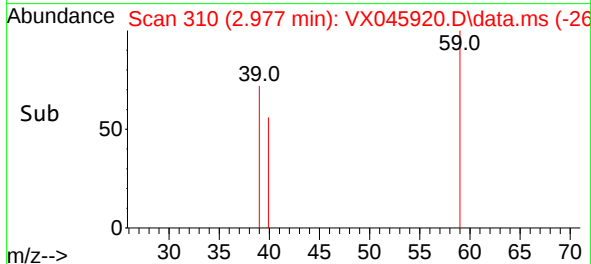
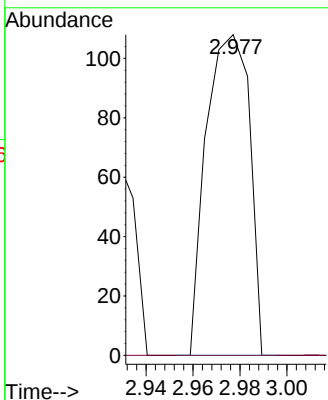
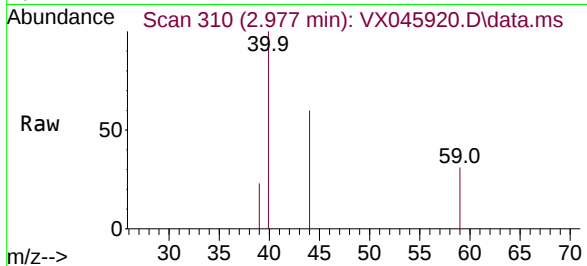




#11
Tert butyl alcohol
Concen: 0.845 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

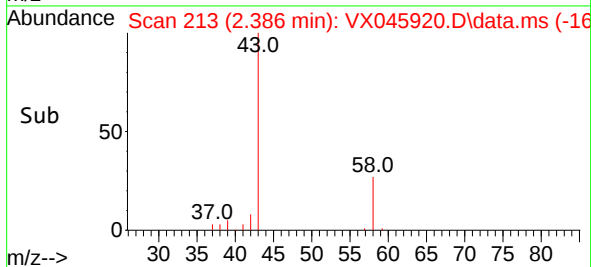
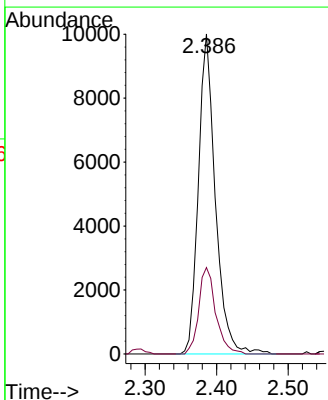
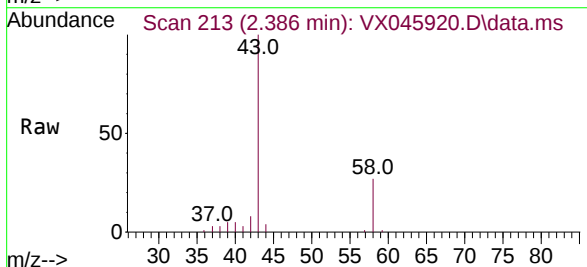
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

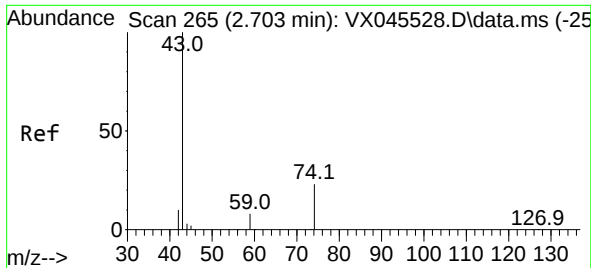
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 33.056 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 43 Resp: 16488
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5

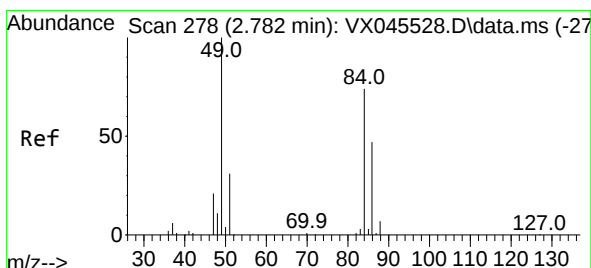
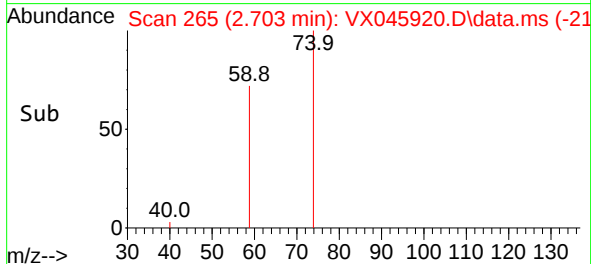
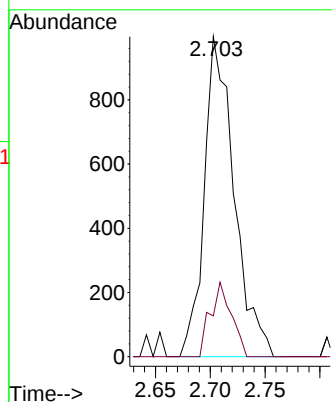
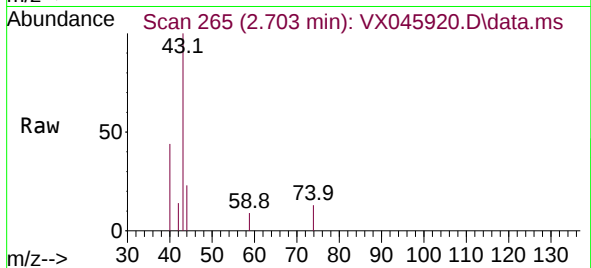




#18
Methyl Acetate
Concen: 1.641 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

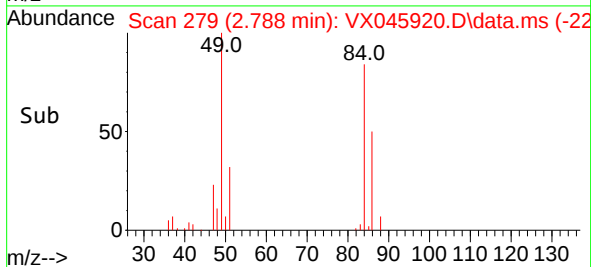
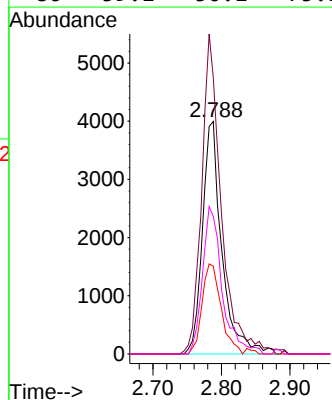
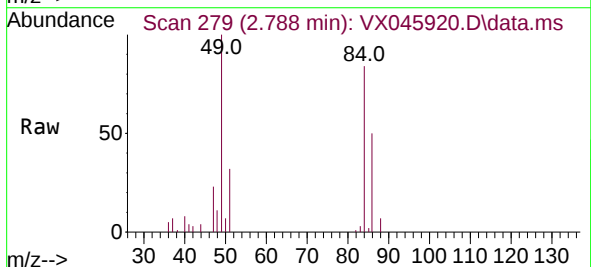
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

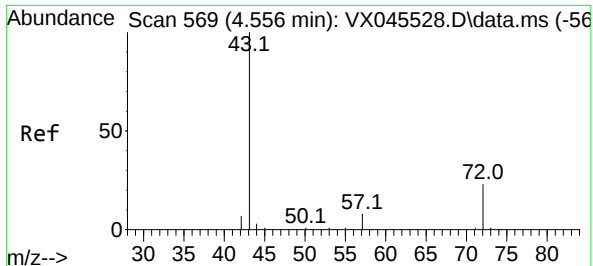
Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
74 16.3 17.5 26.3#



#20
Methylene Chloride
Concen: 8.444 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 84 Resp: 7885
Ion Ratio Lower Upper
84 100
49 118.6 107.5 161.3
51 37.7 33.0 49.6
86 59.1 50.1 75.1





#25

2-Butanone

Concen: 1.056 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

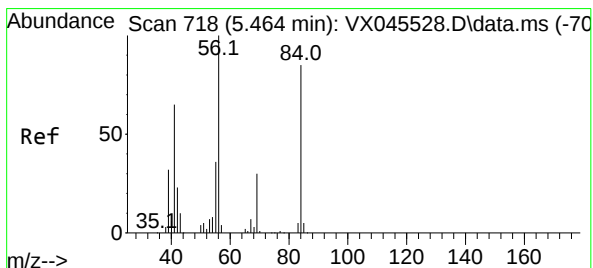
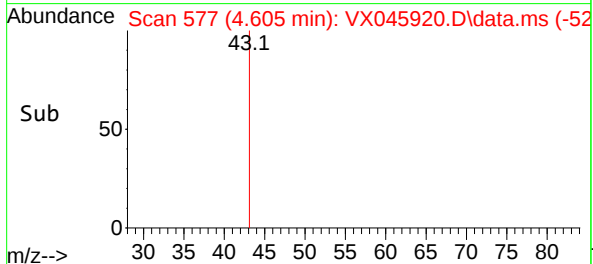
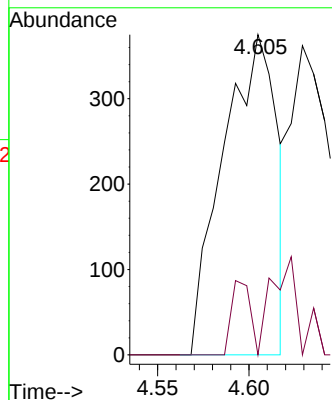
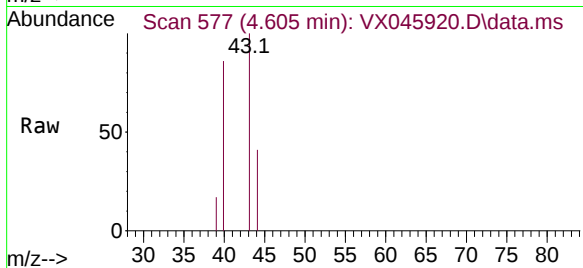
PB167707ZHE#01

Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

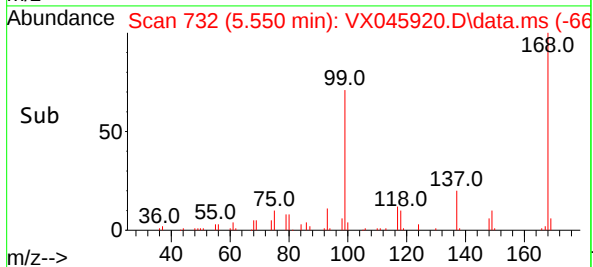
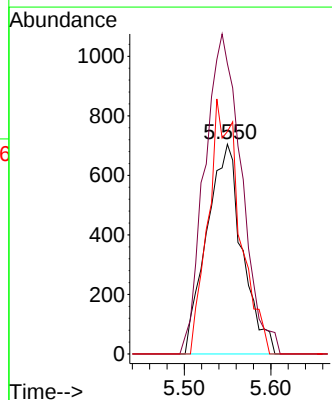
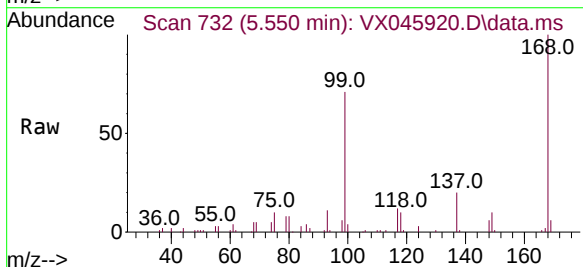
Tgt Ion: 56 Resp: 2008

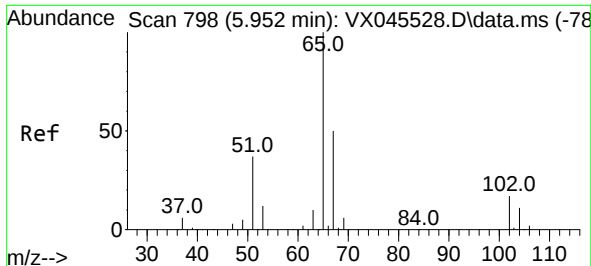
Ion Ratio Lower Upper

56 100

69 138.3 23.6 35.4#

84 106.0 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 54.946 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

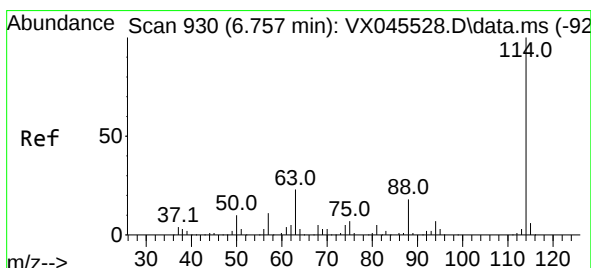
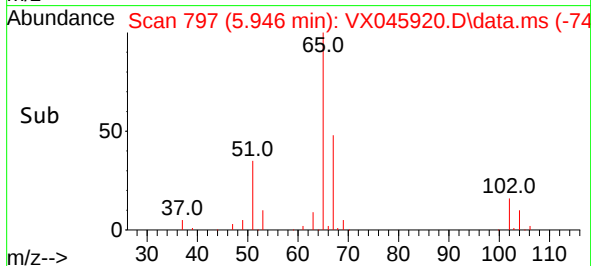
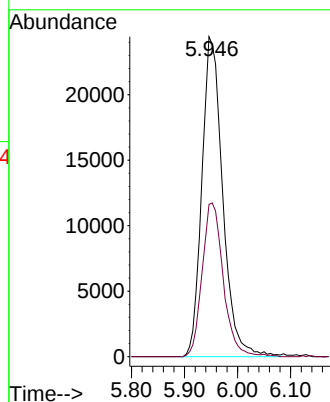
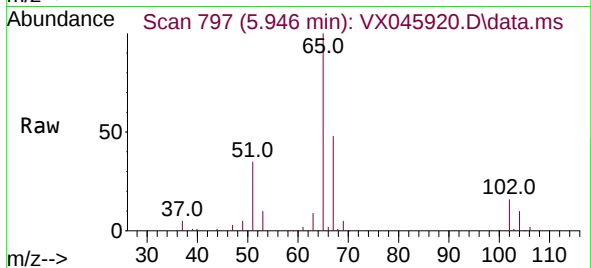
PB167707ZHE#01

Tgt Ion: 65 Resp: 66742

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

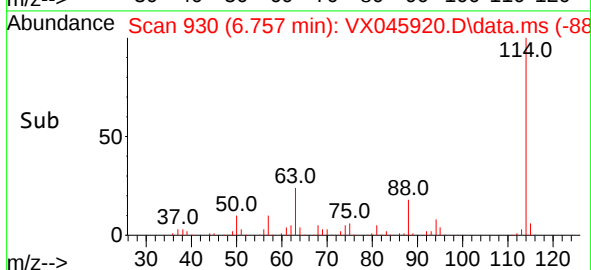
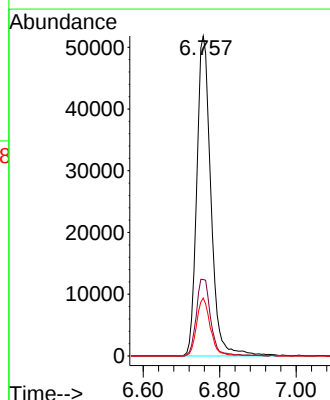
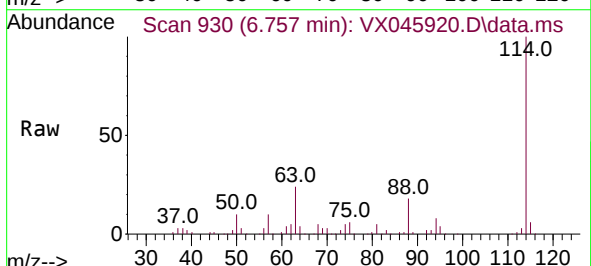
Tgt Ion: 114 Resp: 132923

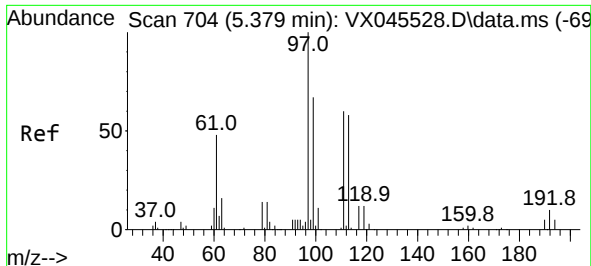
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

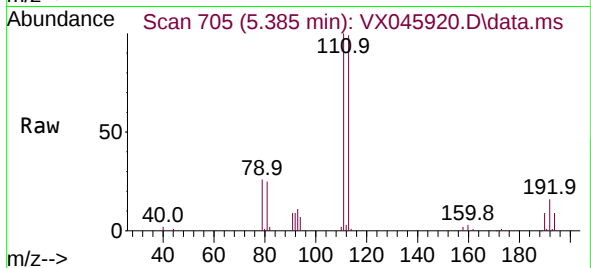
88 18.1 0.0 35.4



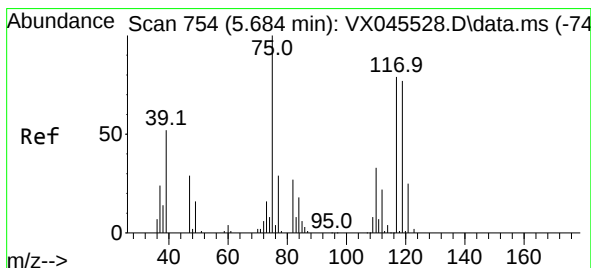
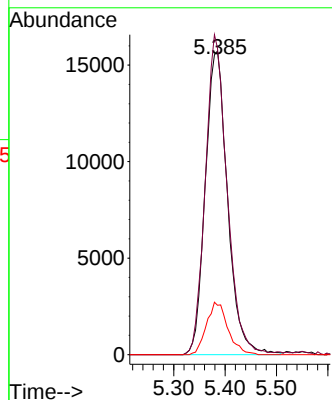
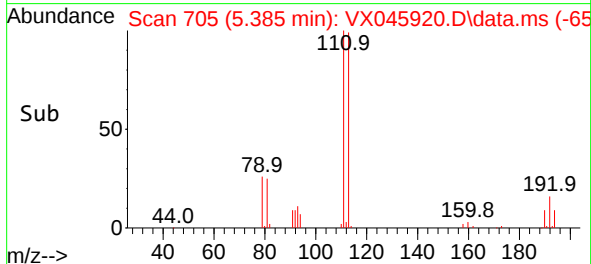


#35
Dibromofluoromethane
Concen: 50.234 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

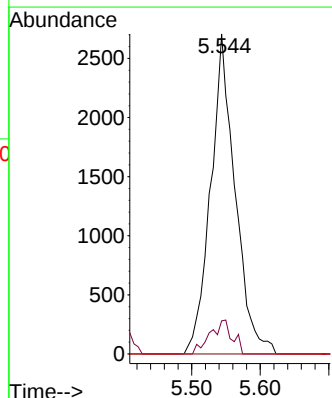
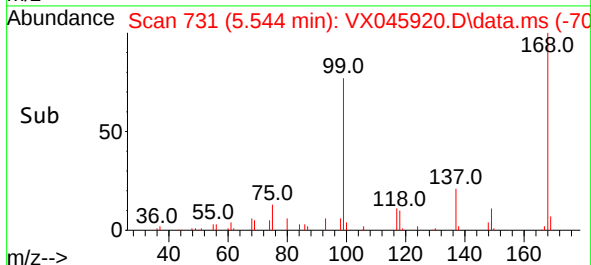
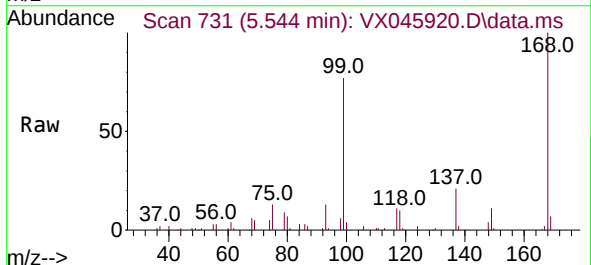


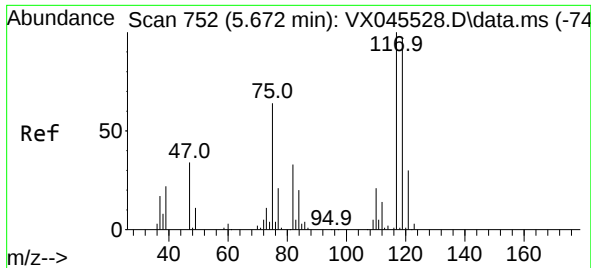
Tgt Ion:113 Resp: 47375
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 16.6 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.285 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

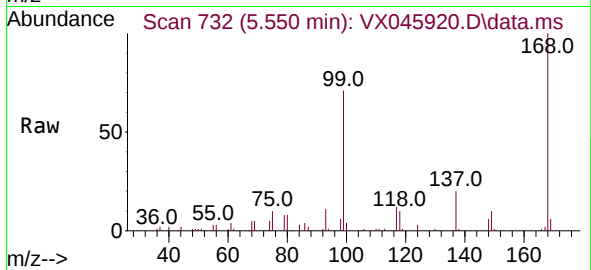
Tgt Ion: 75 Resp: 6730
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.6#
77 0.0 25.0 37.4#



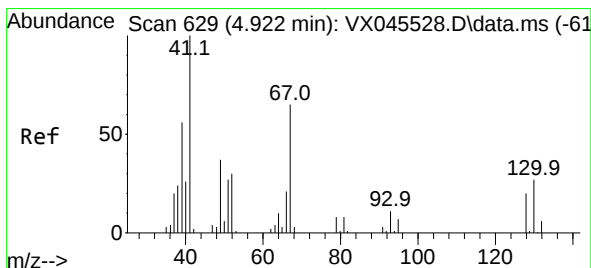
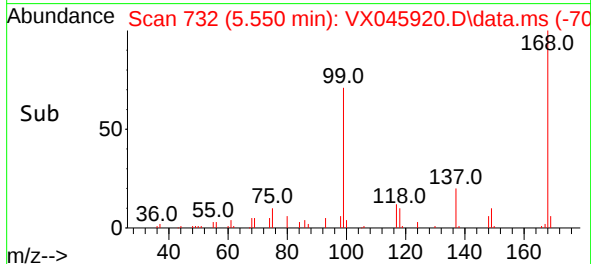
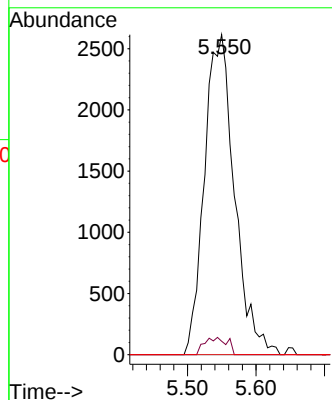


#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

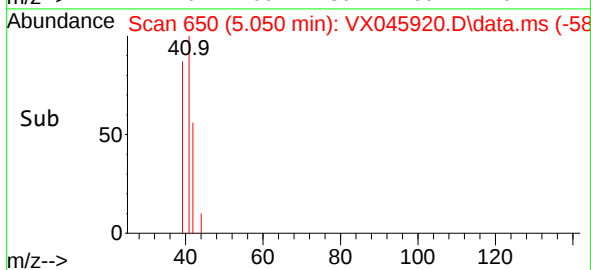
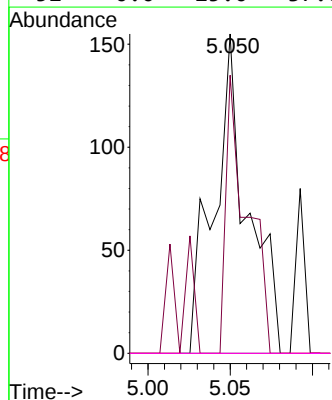
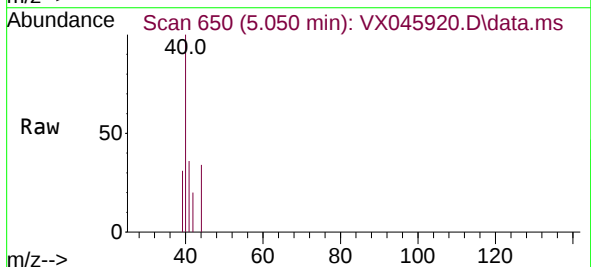


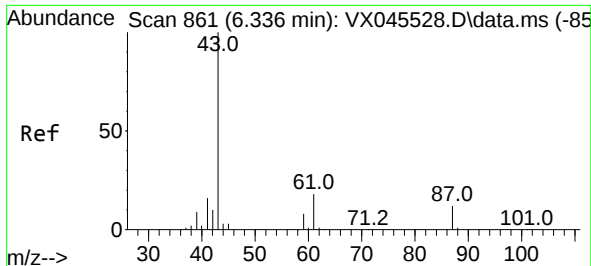
Tgt Ion:117 Resp: 7980
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 41 Resp: 220
Ion Ratio Lower Upper
41 100
39 55.0 47.0 70.6
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

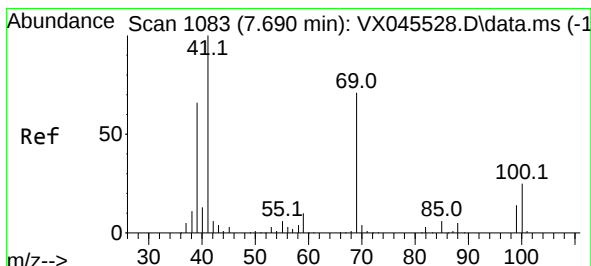
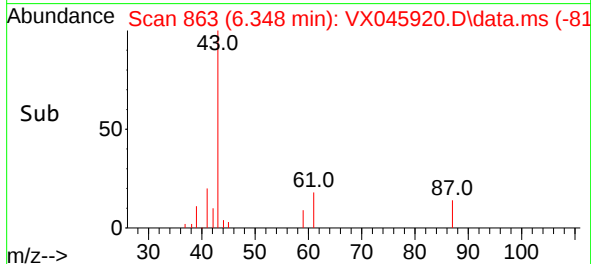
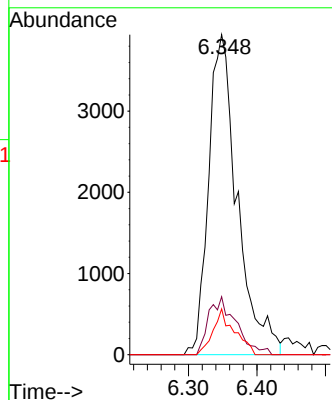
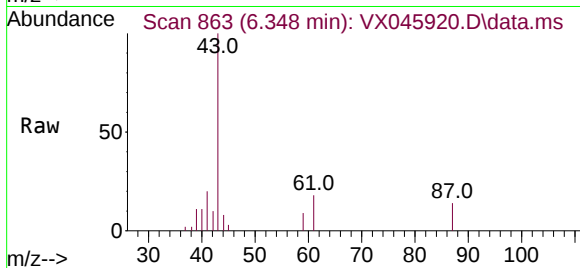




#43
Isopropyl Acetate
Concen: 4.721 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

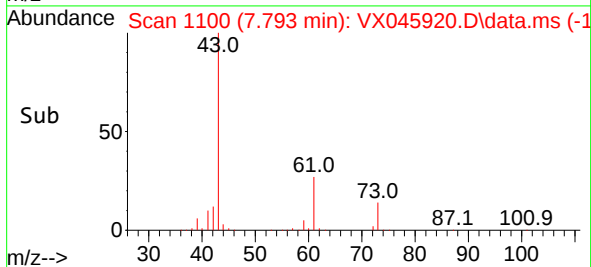
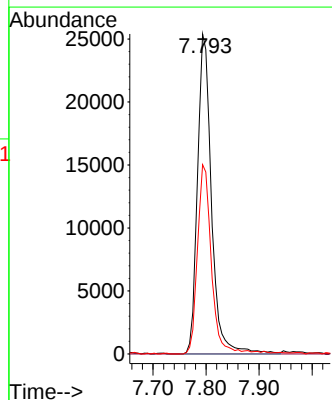
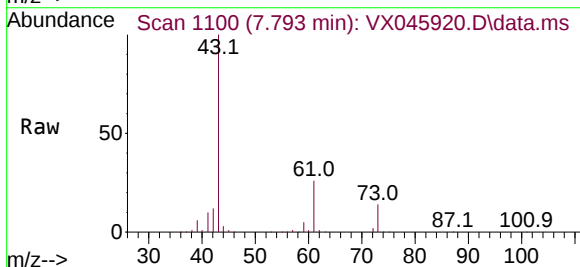
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

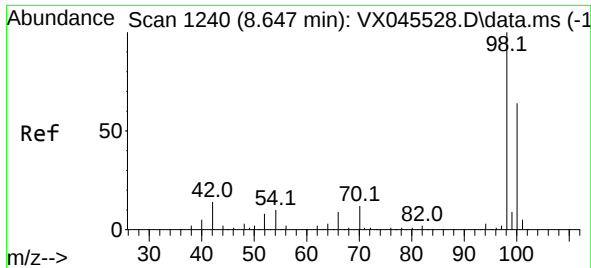
Tgt Ion: 43 Resp: 11481
Ion Ratio Lower Upper
43 100
61 17.3 14.1 21.1
87 10.6 9.2 13.8



#48
Methyl methacrylate
Concen: 37.140 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 41 Resp: 46639
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.5 53.6 80.4

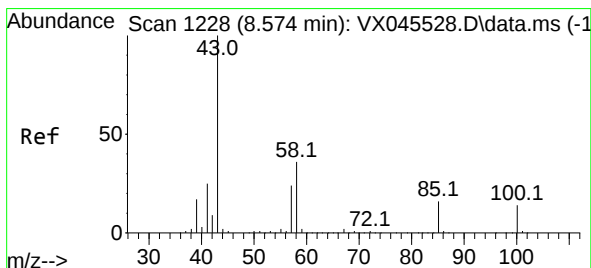
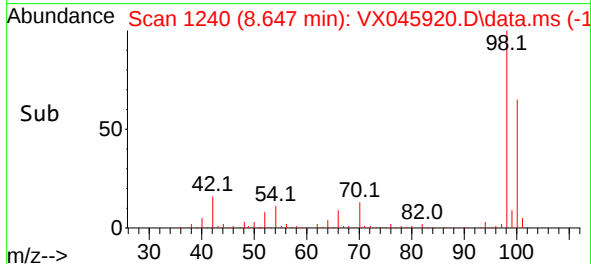
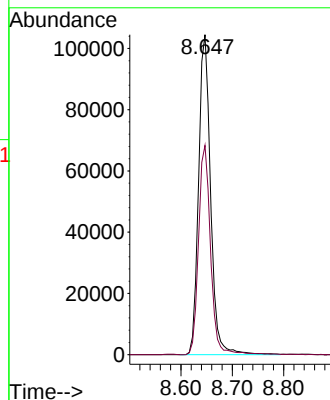
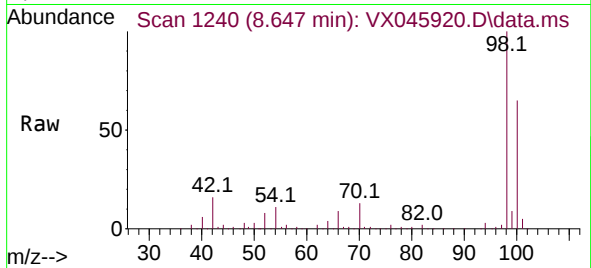




#50
Toluene-d8
Concen: 51.568 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

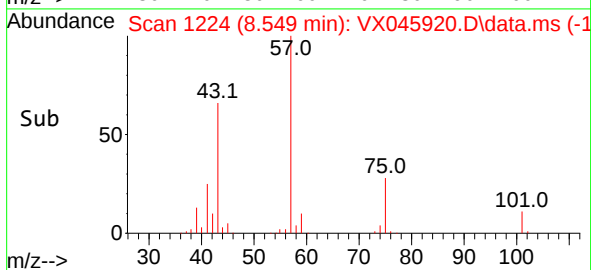
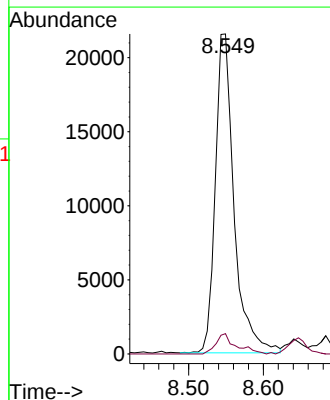
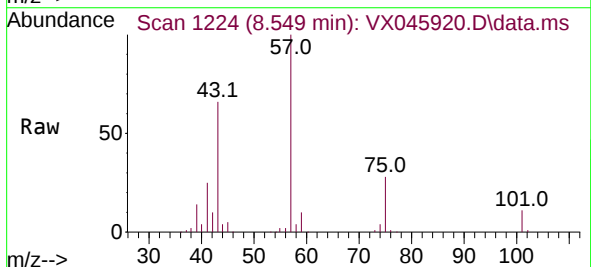
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

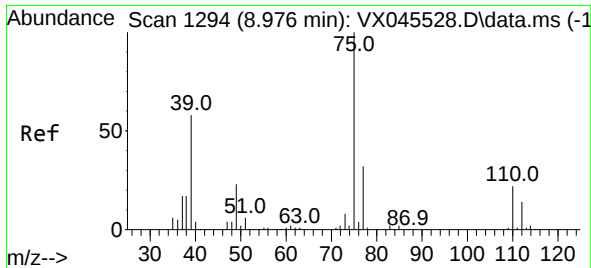
Tgt Ion: 98 Resp: 169748
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.285 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 43 Resp: 37542
Ion Ratio Lower Upper
43 100
58 6.7 28.5 42.7#

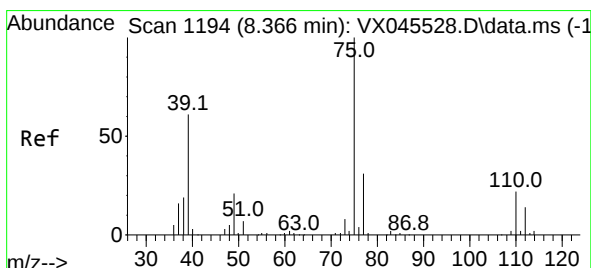
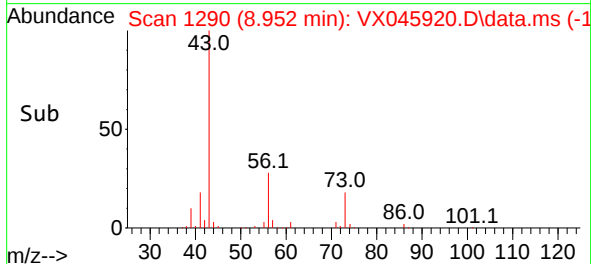
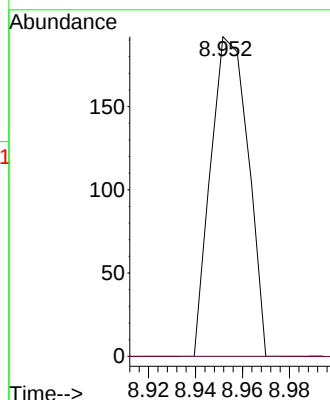
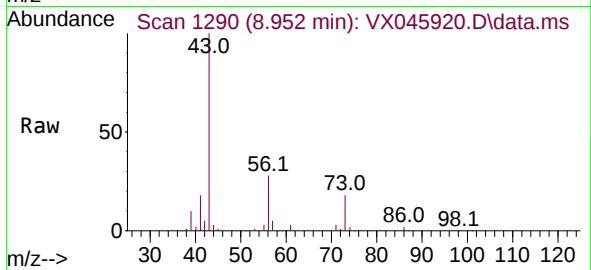




#53
 t-1,3-Dichloropropene
 Concen: 2.431 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX045920.D
 Acq: 24 Apr 2025 12:27

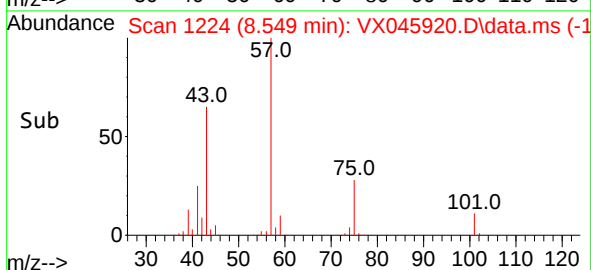
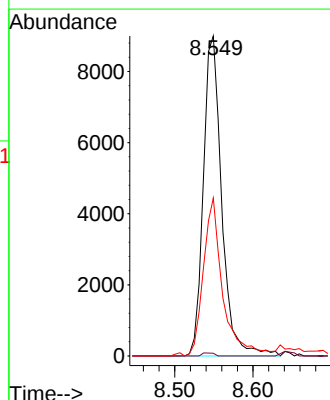
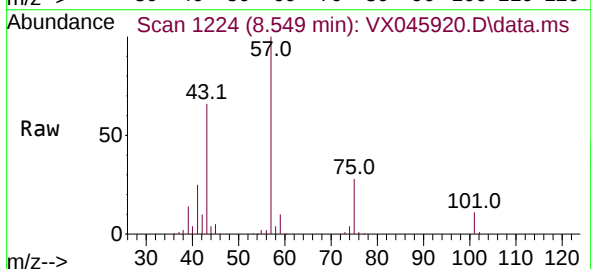
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#01

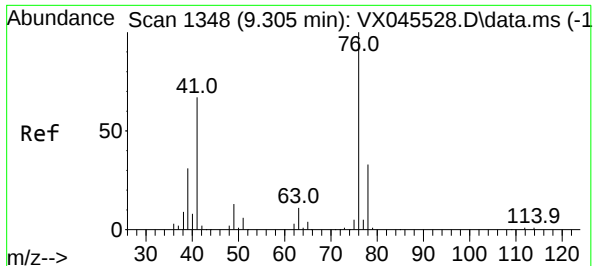
Tgt Ion: 75 Resp: 213
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.477 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045920.D
 Acq: 24 Apr 2025 12:27

Tgt Ion: 75 Resp: 14646
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 36.8#
 39 48.3 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.883 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

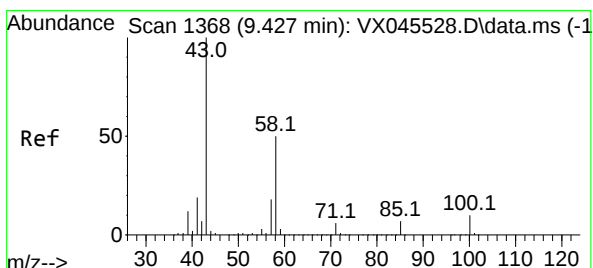
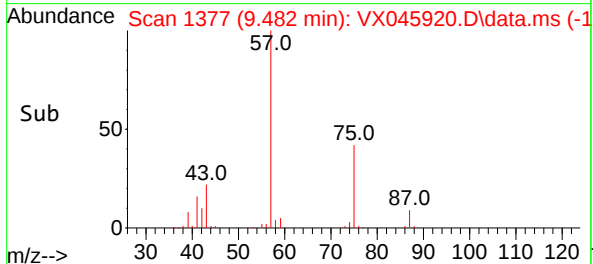
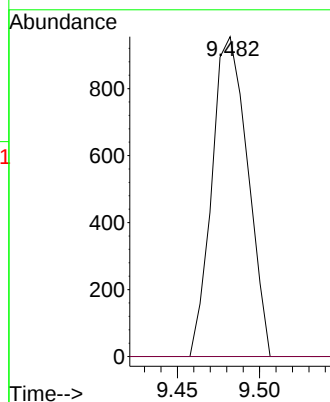
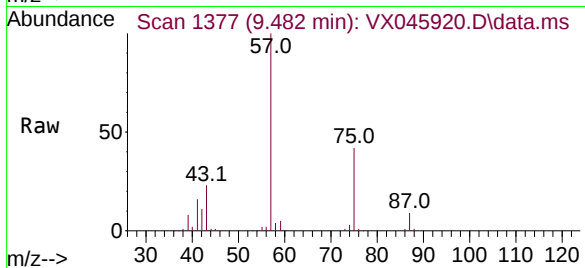
PB167707ZHE#01

Tgt Ion: 76 Resp: 1442

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.933 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045920.D

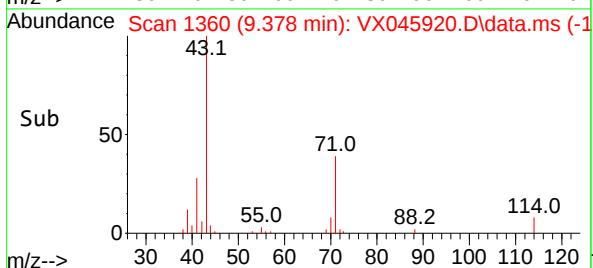
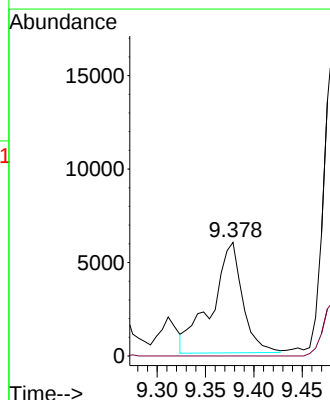
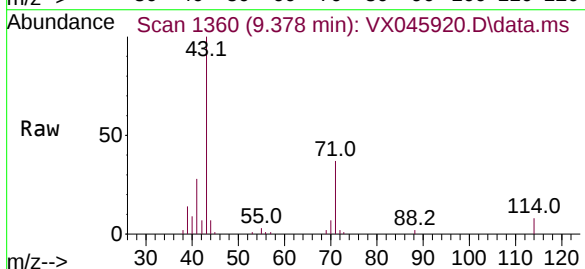
Acq: 24 Apr 2025 12:27

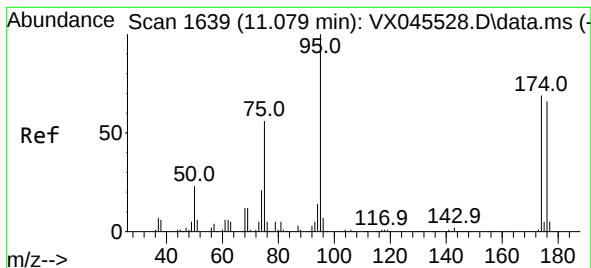
Tgt Ion: 43 Resp: 13054

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

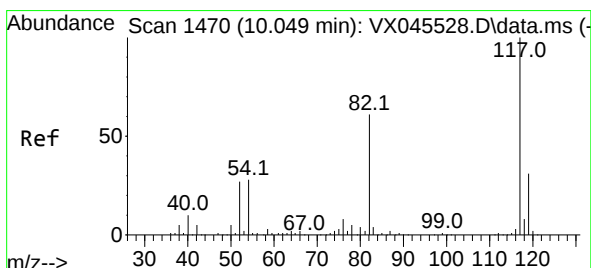
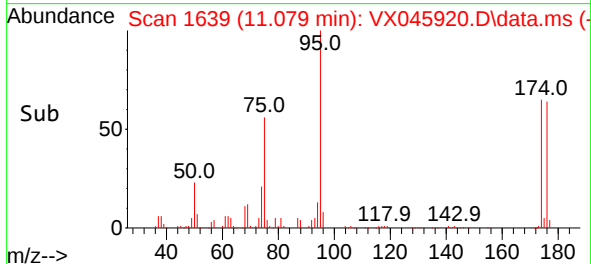
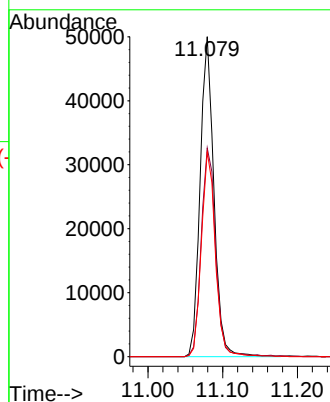
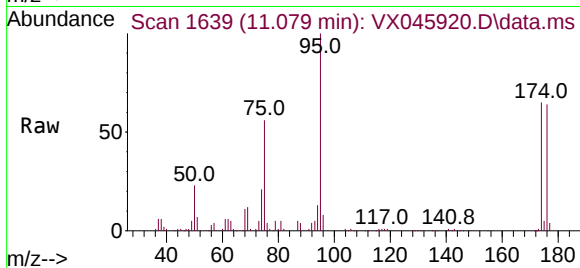




#62
4-Bromofluorobenzene
Concen: 53.388 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

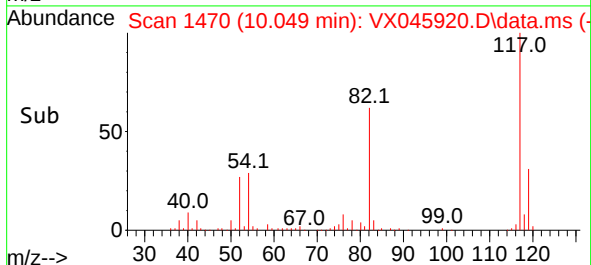
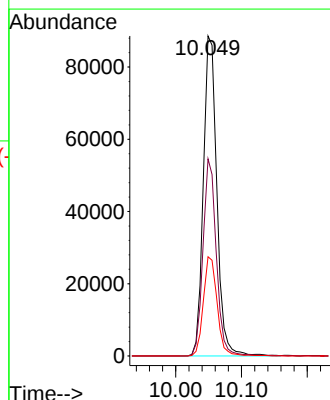
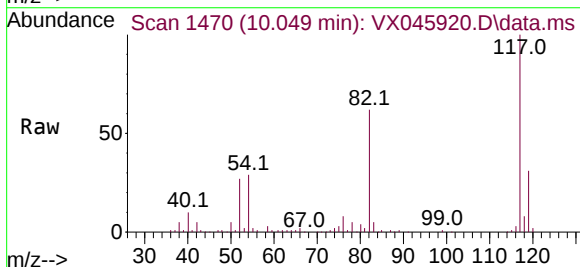
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#01

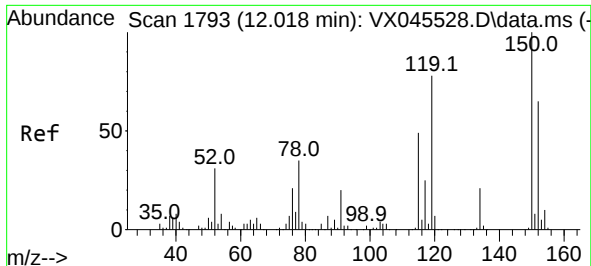
Tgt Ion: 95 Resp: 64013
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045920.D
Acq: 24 Apr 2025 12:27

Tgt Ion: 117 Resp: 126918
Ion Ratio Lower Upper
117 100
82 61.6 49.2 73.8
119 31.0 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#01

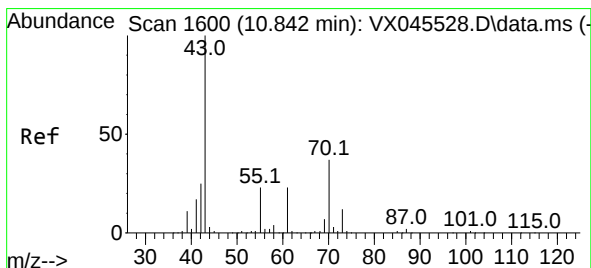
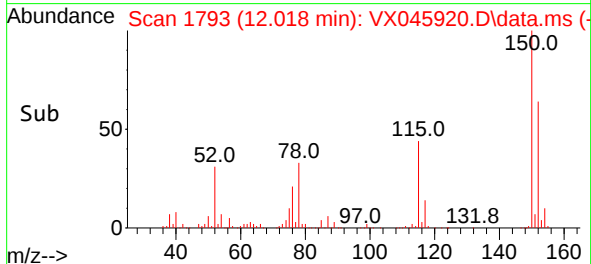
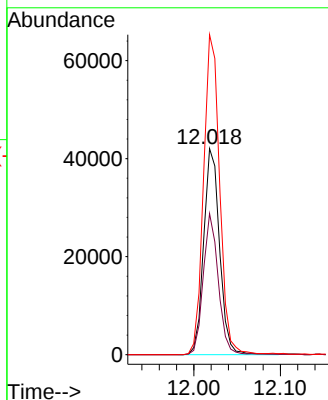
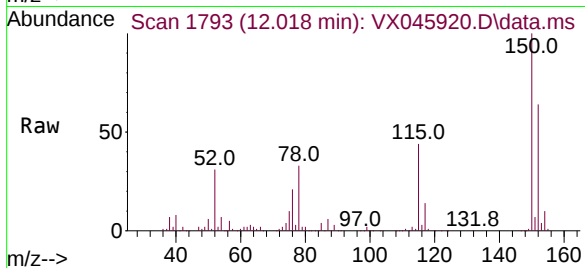
Tgt Ion:152 Resp: 53693

Ion Ratio Lower Upper

152 100

115 65.0 46.9 140.7

150 156.9 0.0 349.4



#74

N-ethyl acetate

Concen: 0.808 ug/l

RT: 10.787 min Scan# 1591

Delta R.T. -0.055 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Tgt Ion: 43 Resp: 1662

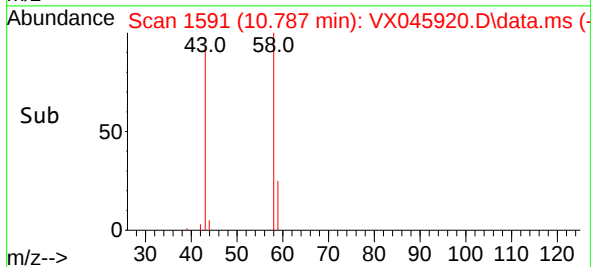
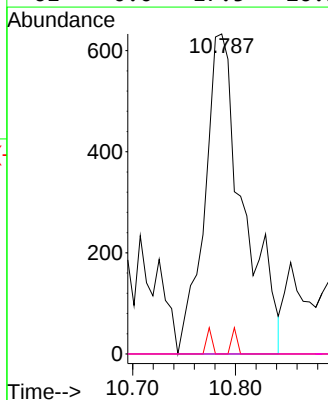
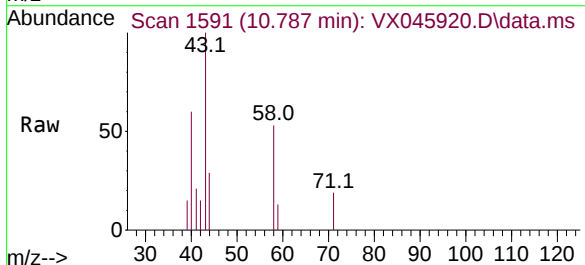
Ion Ratio Lower Upper

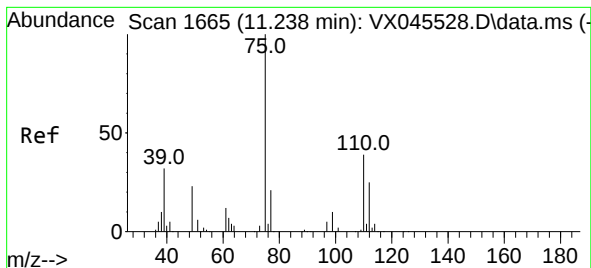
43 100

70 0.0 30.1 45.1#

55 1.1 18.3 27.5#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 28.225 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

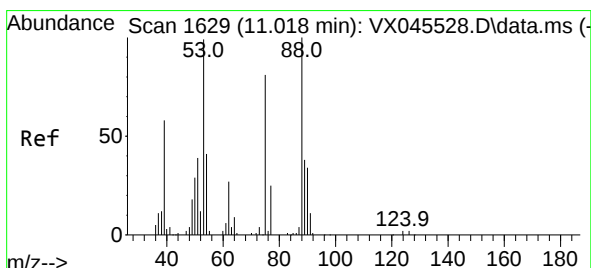
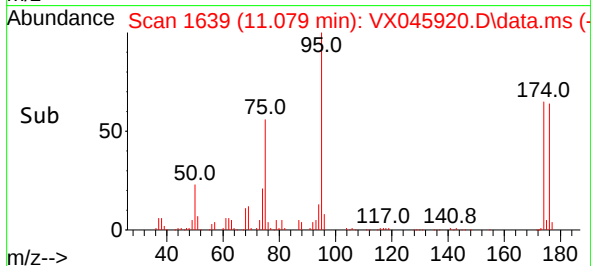
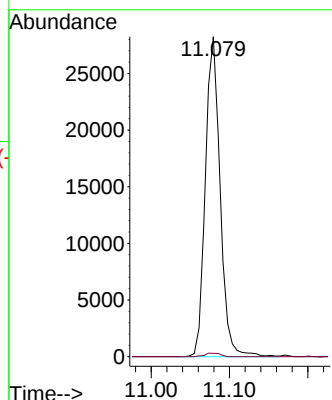
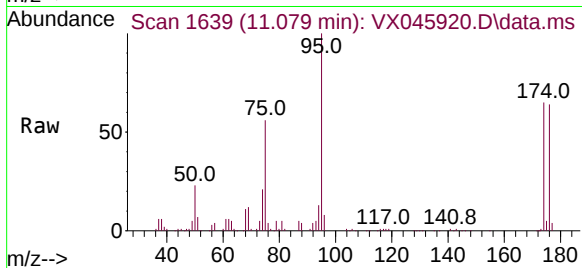
PB167707ZHE#01

Tgt Ion: 75 Resp: 36966

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.792 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045920.D

Acq: 24 Apr 2025 12:27

Tgt Ion: 75 Resp: 36966

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

