

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045923.D
 Acq On : 24 Apr 2025 13:37
 Operator : JC/MD
 Sample : PB167707ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#04

Quant Time: Apr 25 02:26:54 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)

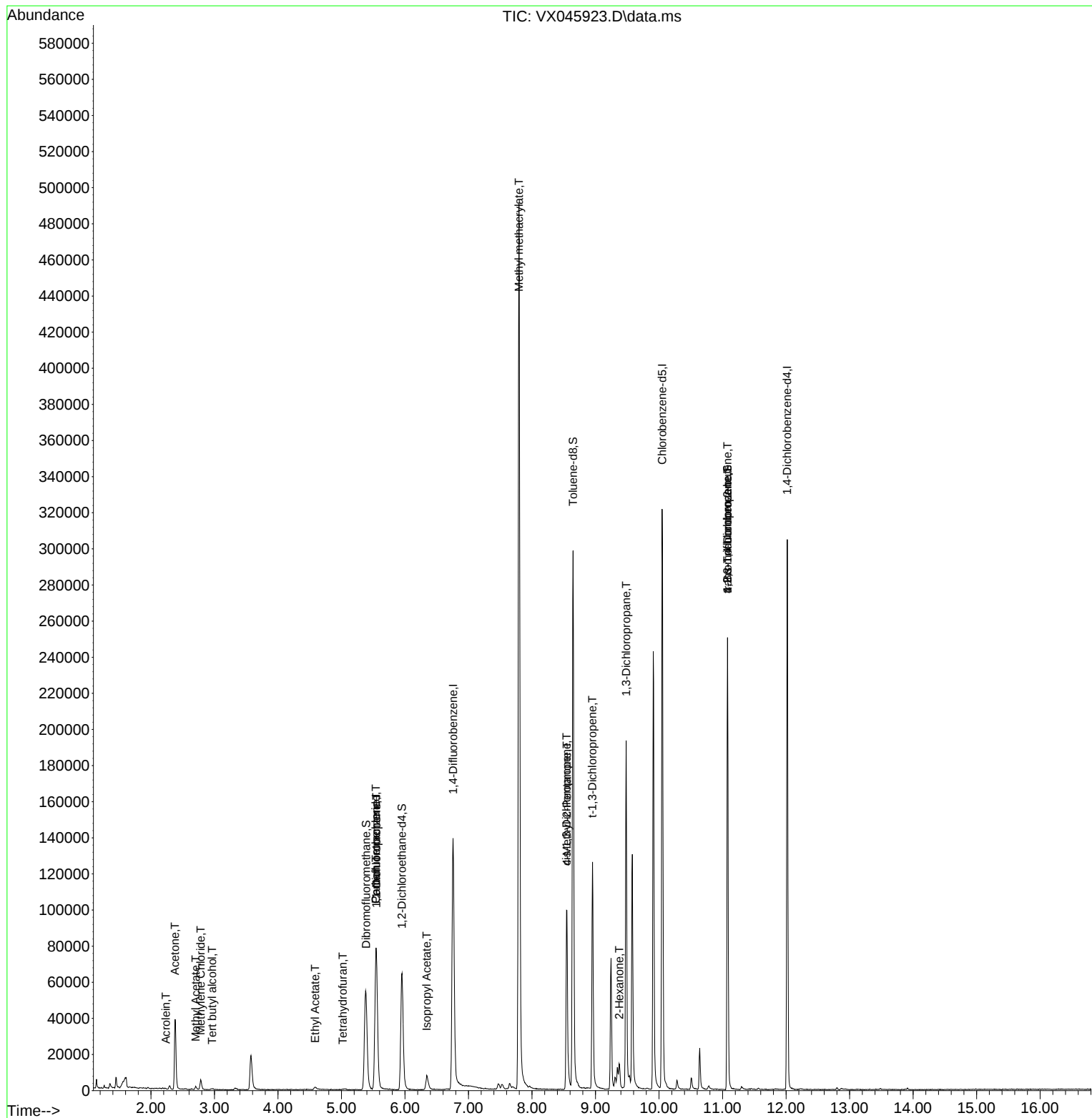
Internal Standards						
1) Pentafluorobenzene	5.544	168	66751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67854	55.586	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.180%
35) Dibromofluoromethane	5.385	113	49035	52.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.220%
50) Toluene-d8	8.647	98	172861	52.633	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.260%
62) 4-Bromofluorobenzene	11.079	95	63821	53.348	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.700%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	688	4.194	ug/l #	72
13) Acrolein	2.233	56	59	0.261	ug/l #	15
16) Acetone	2.380	43	44304	88.386	ug/l	97
18) Methyl Acetate	2.703	43	1963	1.701	ug/l	100
20) Methylene Chloride	2.782	84	2353	2.507	ug/l	88
29) Tetrahydrofuran	5.019	42	151	0.317	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	6849	5.391	ug/l #	51
37) Ethyl Acetate	4.587	43	3407	2.128	ug/l #	71
38) Carbon Tetrachloride	5.544	117	8308	6.051	ug/l #	15
43) Isopropyl Acetate	6.342	43	11790	4.859	ug/l	97
48) Methyl methacrylate	7.793	41	49119	39.204	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	40870	25.406	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	298	2.488	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	15778	11.313	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1545	0.948	ug/l #	42
59) 2-Hexanone	9.372	43	9401	7.892	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36957	28.042	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36957	95.173	ug/l #	1

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

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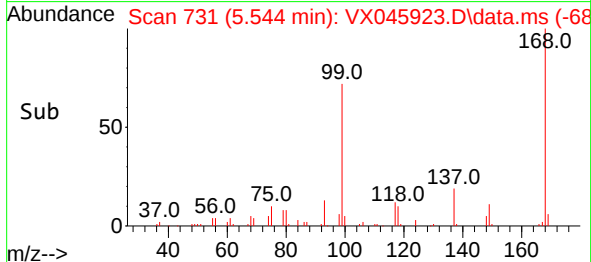
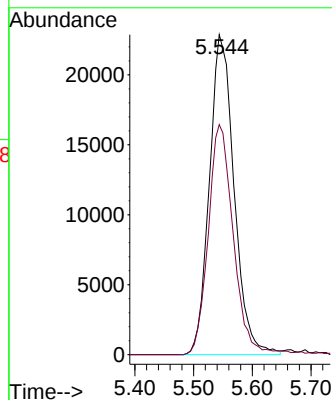
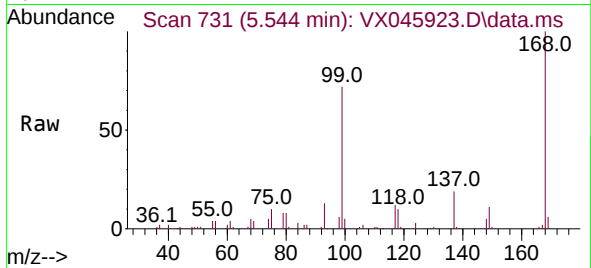




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

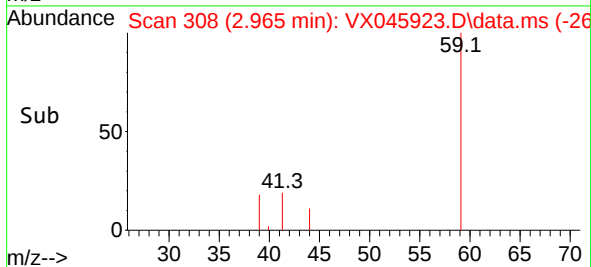
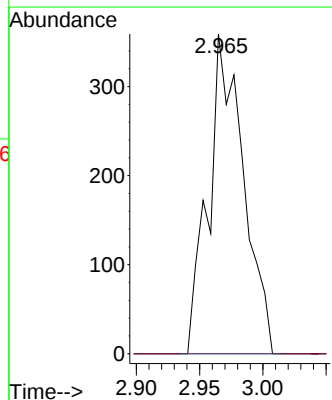
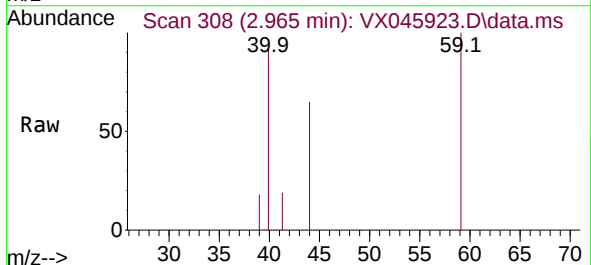
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

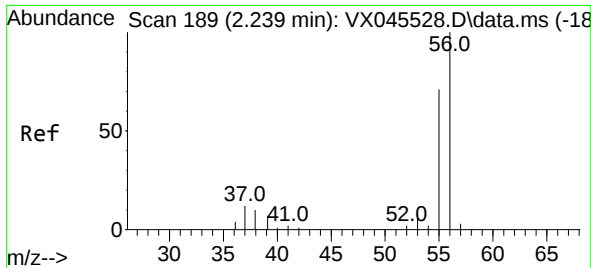
Tgt Ion:168 Resp: 66751
Ion Ratio Lower Upper
168 100
99 71.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.194 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

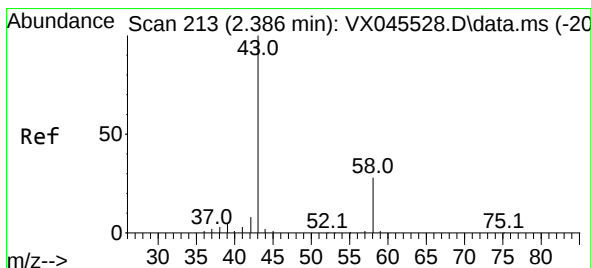
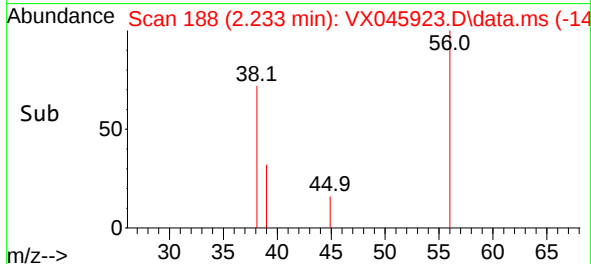
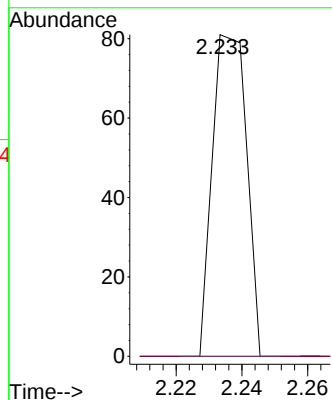
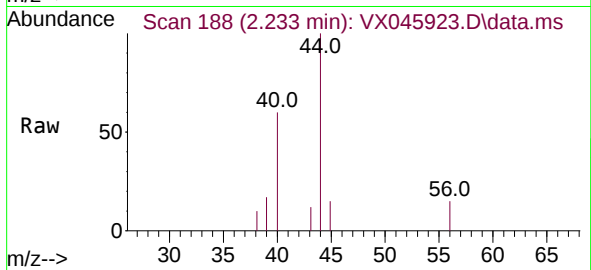




#13
Acrolein
Concen: 0.261 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

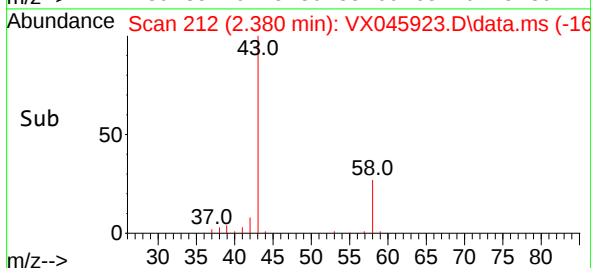
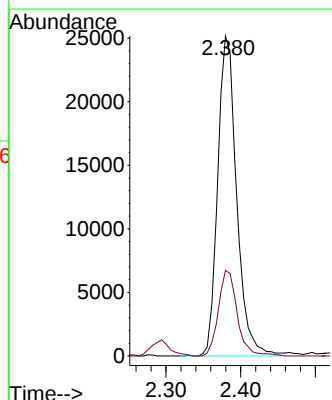
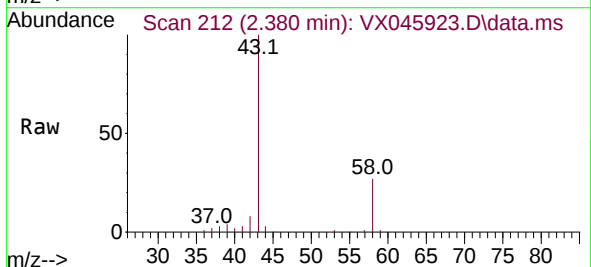
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

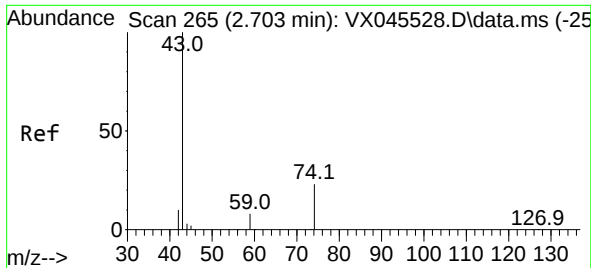
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 88.386 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 43 Resp: 44304
Ion Ratio Lower Upper
43 100
58 26.5 22.3 33.5

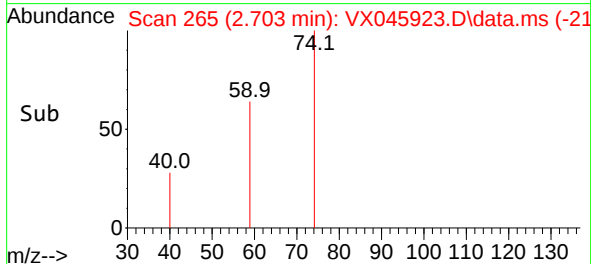
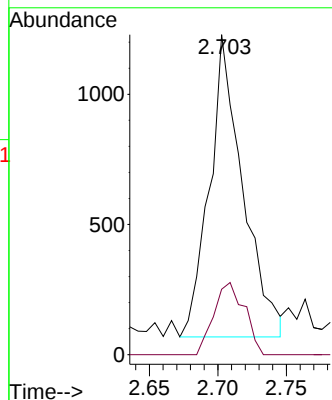
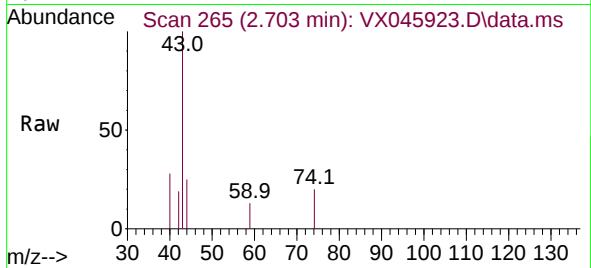




#18
Methyl Acetate
Concen: 1.701 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

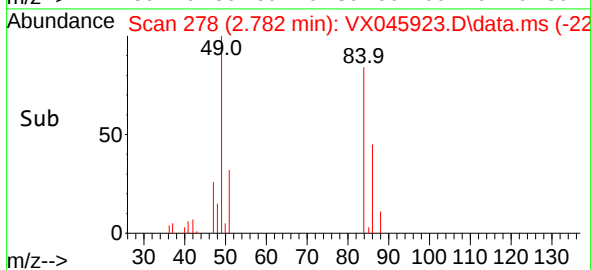
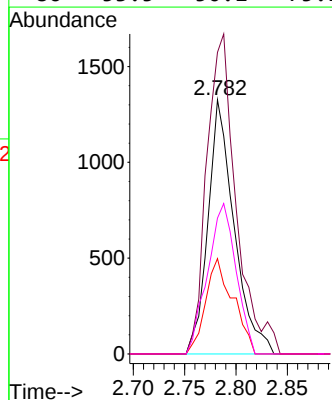
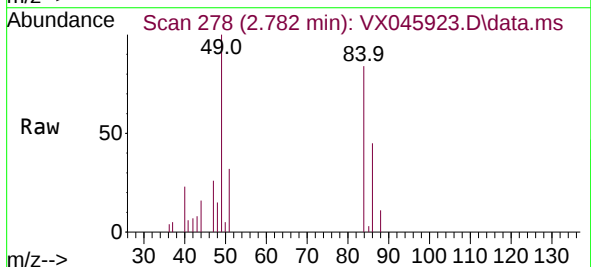
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

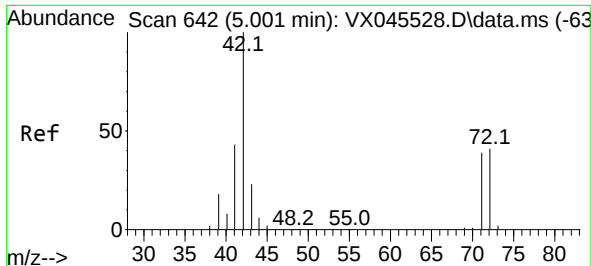
Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3



#20
Methylene Chloride
Concen: 2.507 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 84 Resp: 2353
Ion Ratio Lower Upper
84 100
49 118.7 107.5 161.3
51 37.6 33.0 49.6
86 53.5 50.1 75.1





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX045923.D

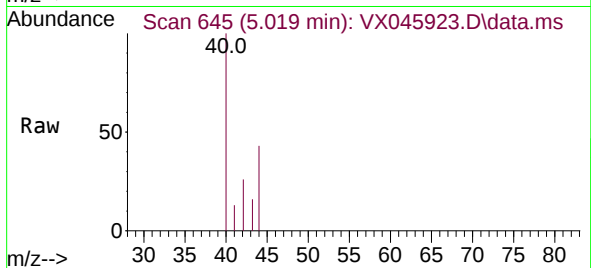
Acq: 24 Apr 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#04



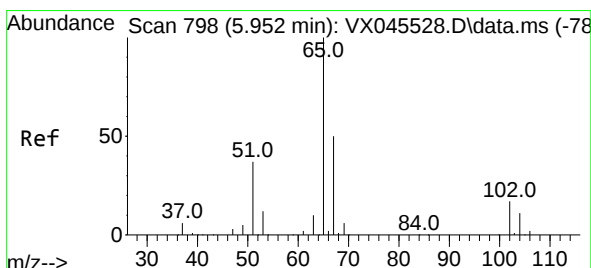
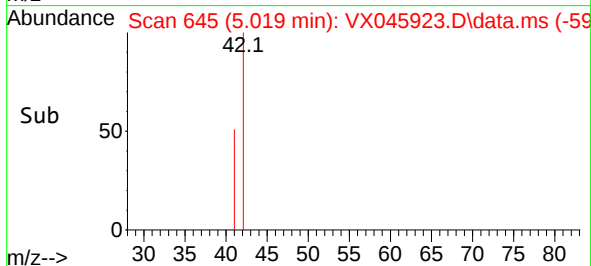
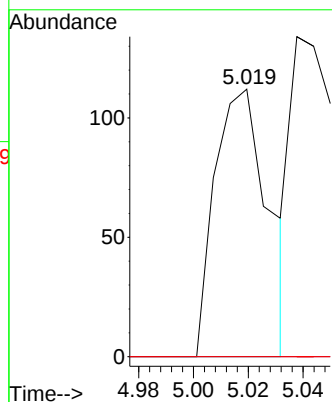
Tgt Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#33

1,2-Dichloroethane-d4

Concen: 55.586 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045923.D

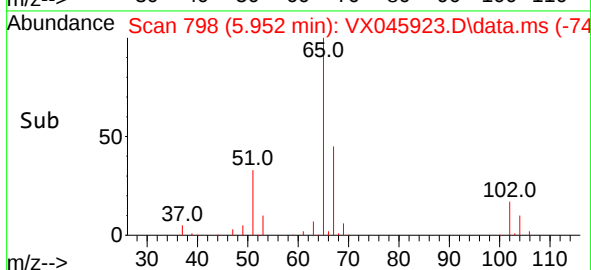
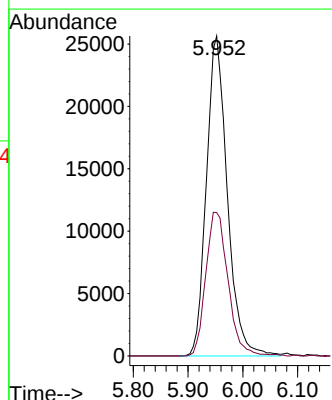
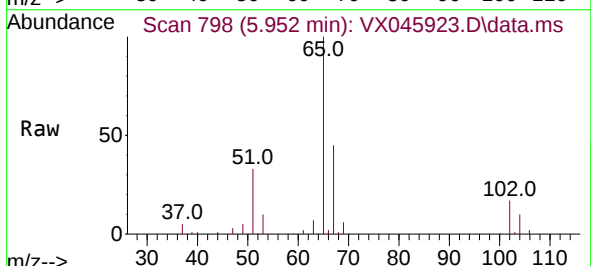
Acq: 24 Apr 2025 13:37

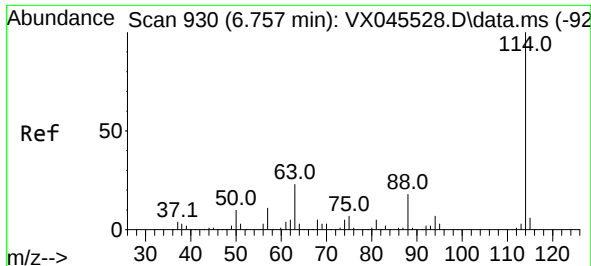
Tgt Ion: 65 Resp: 67854

Ion Ratio Lower Upper

65 100

67 47.9 0.0 99.0

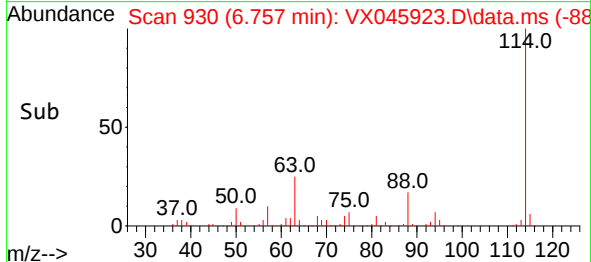
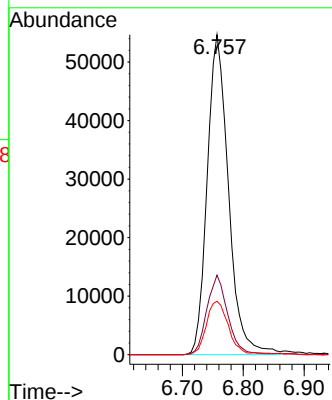
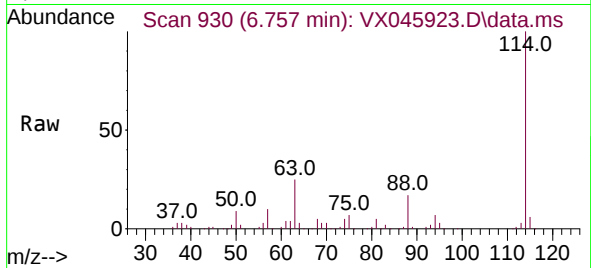




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

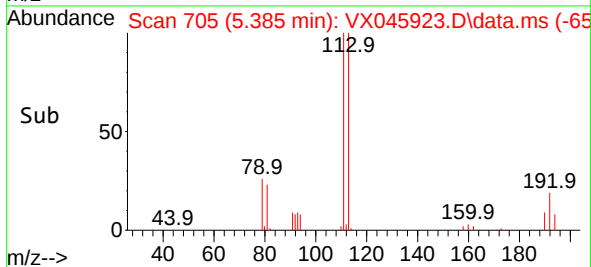
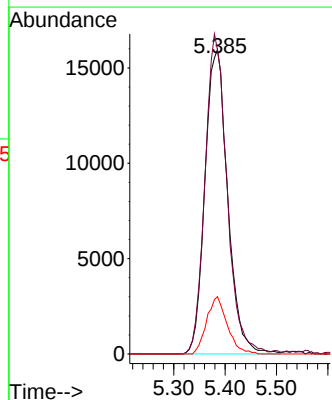
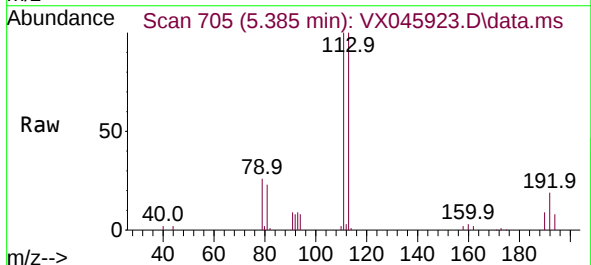
Instrument :
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PB167707ZHE#04

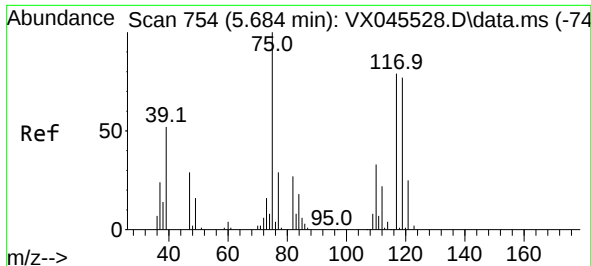
Tgt Ion:114 Resp: 132622
Ion Ratio Lower Upper
114 100
63 24.8 0.0 46.8
88 16.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.112 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

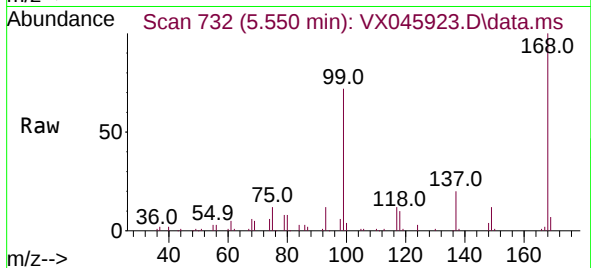
Tgt Ion:113 Resp: 49035
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 17.0 13.8 20.6



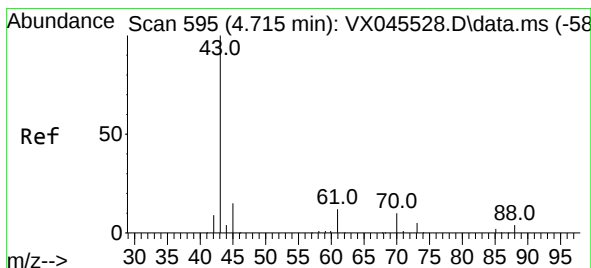
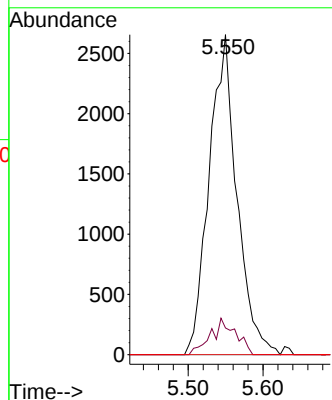
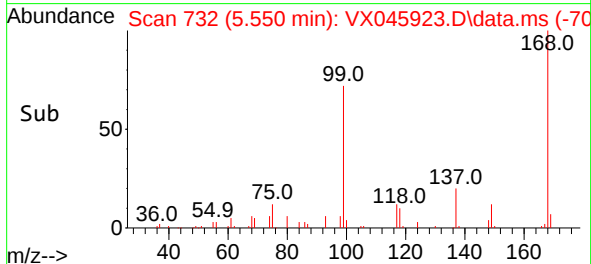


#36
1,1-Dichloropropene
Concen: 5.391 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

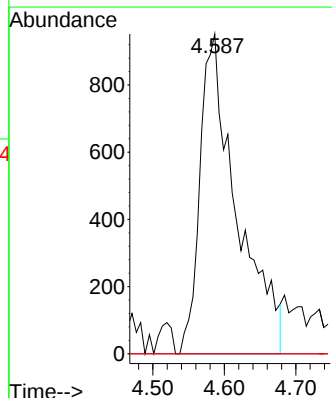
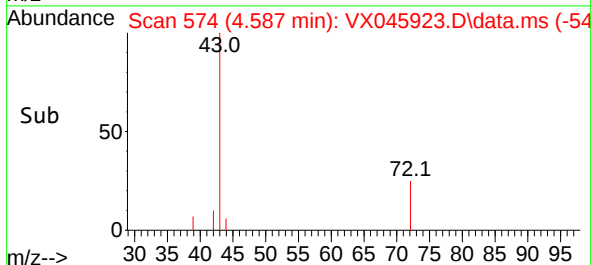
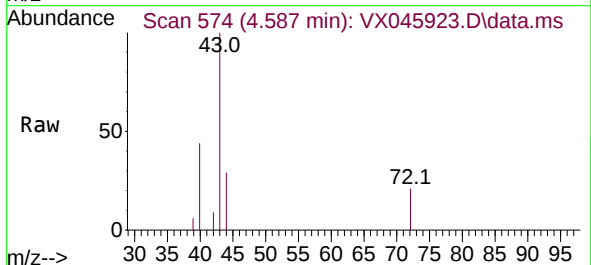


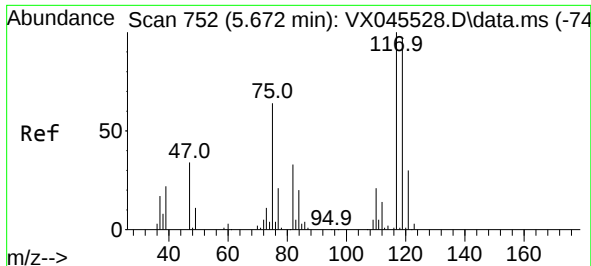
Tgt Ion: 75 Resp: 6849
Ion Ratio Lower Upper
75 100
110 10.2 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.128 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

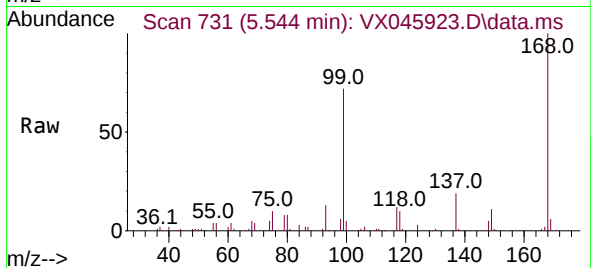
Tgt Ion: 43 Resp: 3407
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



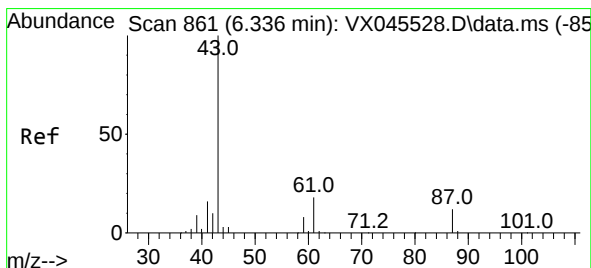
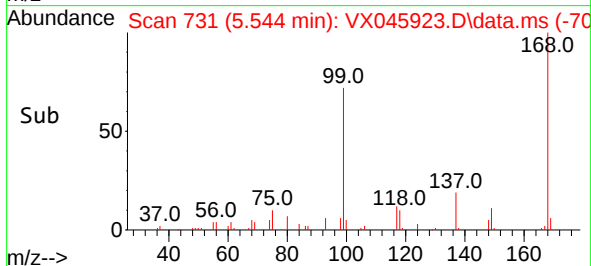
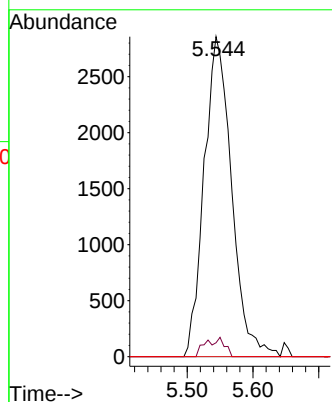


#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

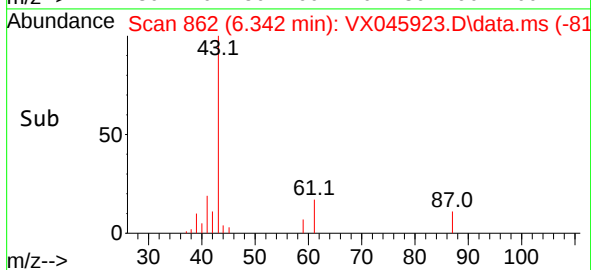
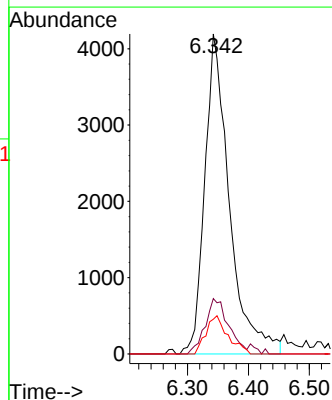
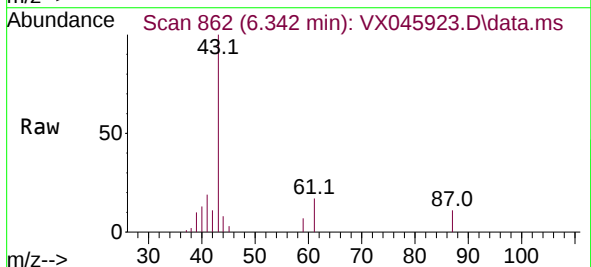


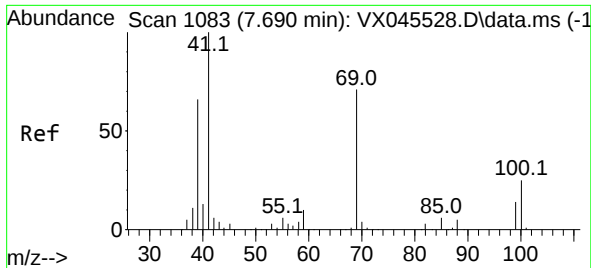
Tgt Ion:117 Resp: 8308
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.859 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 43 Resp: 11790
Ion Ratio Lower Upper
43 100
61 16.4 14.1 21.1
87 10.5 9.2 13.8

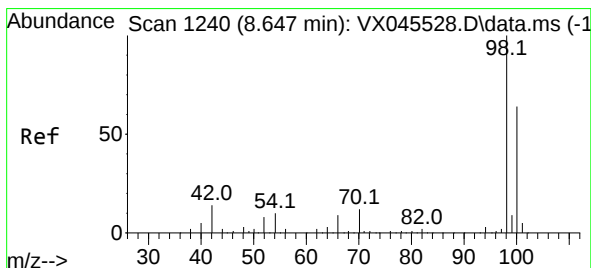
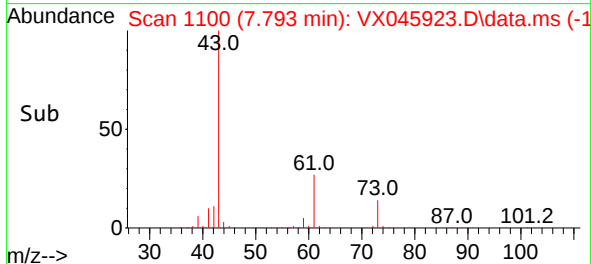
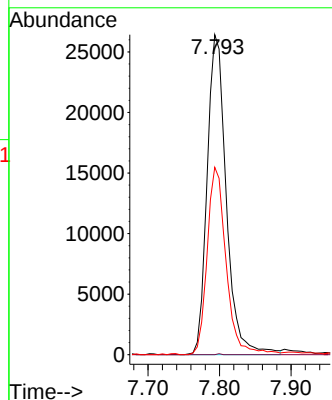
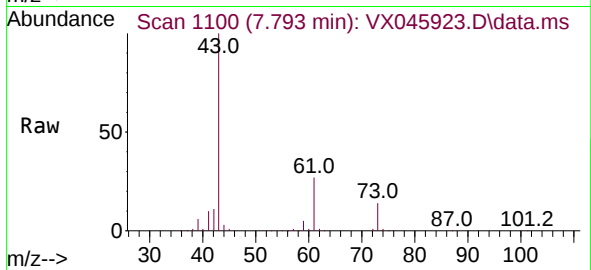




#48
Methyl methacrylate
Concen: 39.204 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

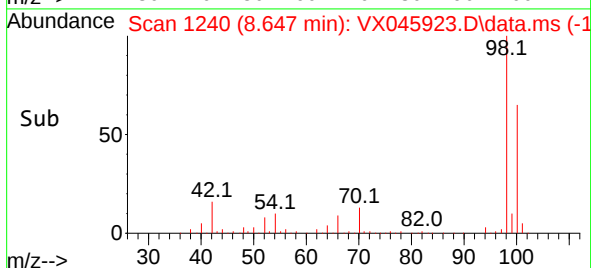
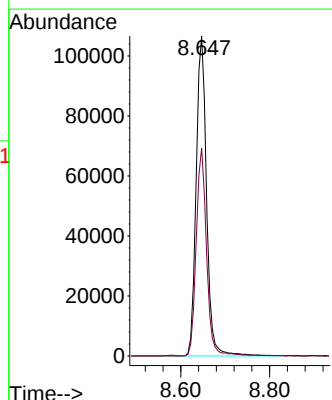
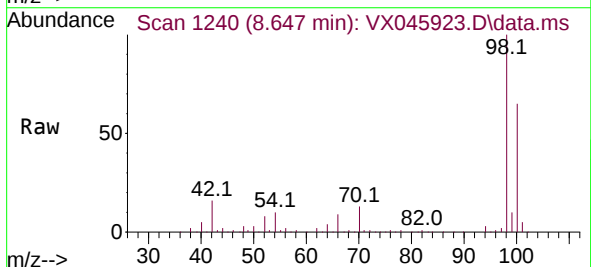
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

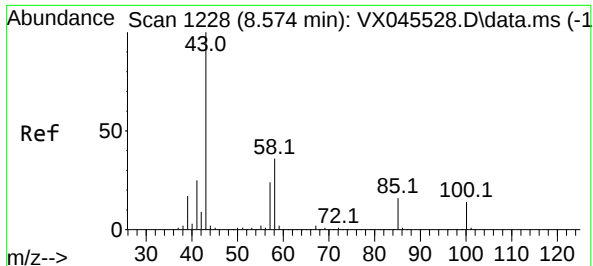
Tgt Ion: 41 Resp: 49119
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.0 53.6 80.4



#50
Toluene-d8
Concen: 52.633 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 98 Resp: 172861
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

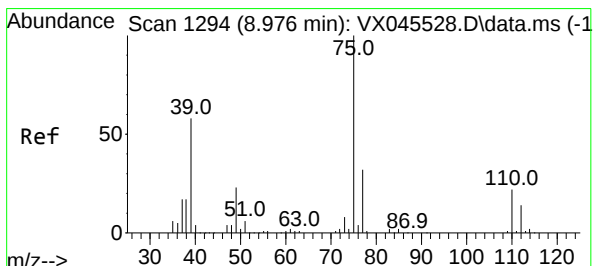
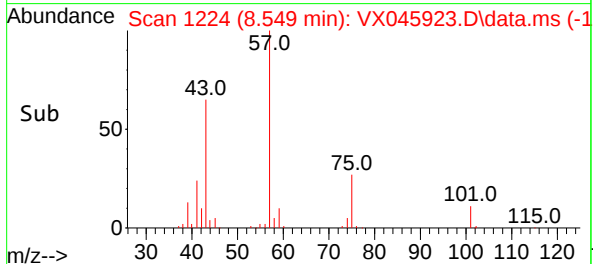
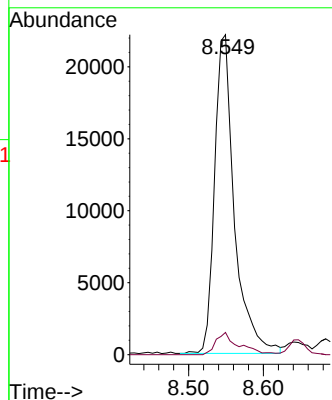
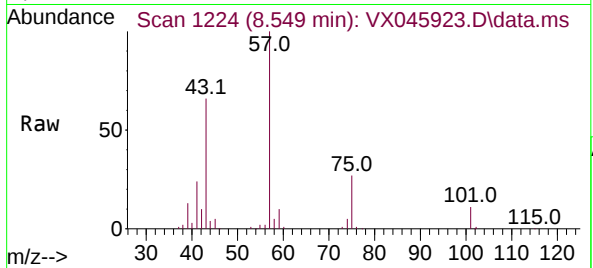




#51
4-Methyl-2-Pentanone
Concen: 25.406 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

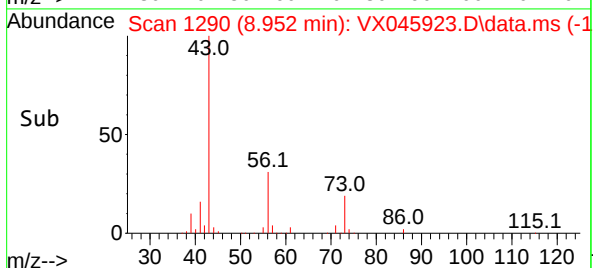
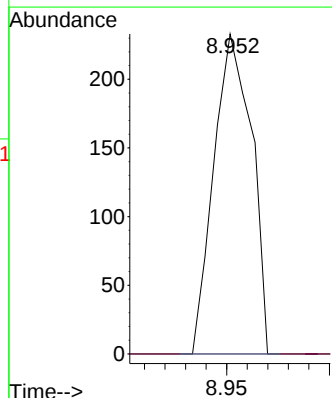
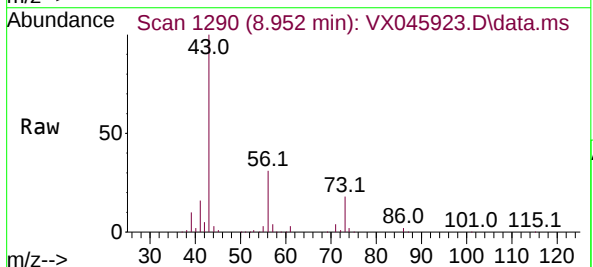
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

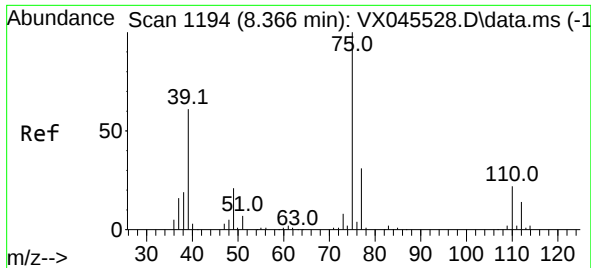
Tgt Ion: 43 Resp: 40870
Ion Ratio Lower Upper
43 100
58 8.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.488 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 75 Resp: 298
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

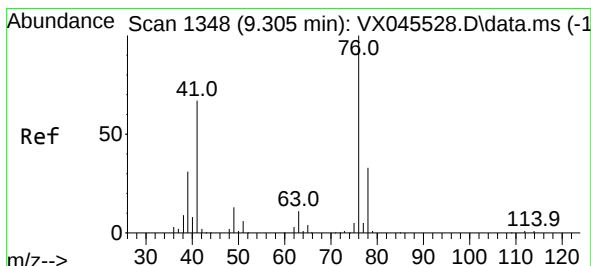
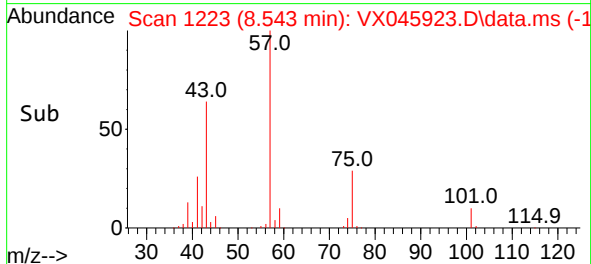
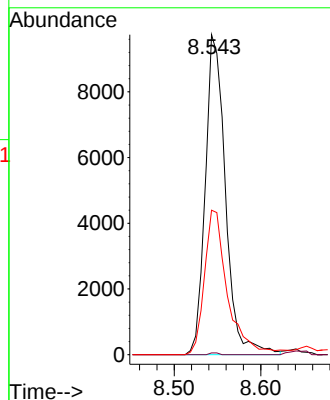
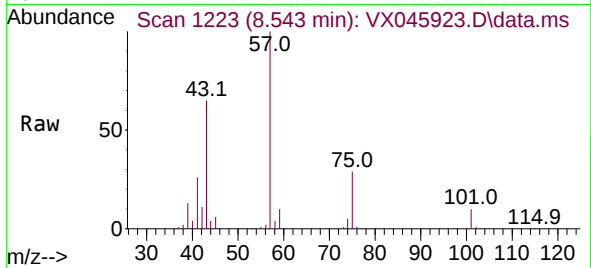




#54
 cis-1,3-Dichloropropene
 Concen: 11.313 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045923.D
 Acq: 24 Apr 2025 13:37

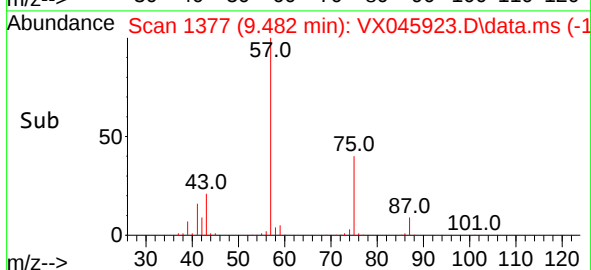
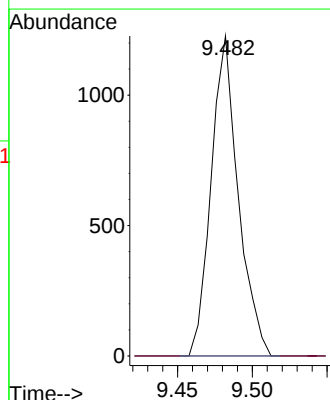
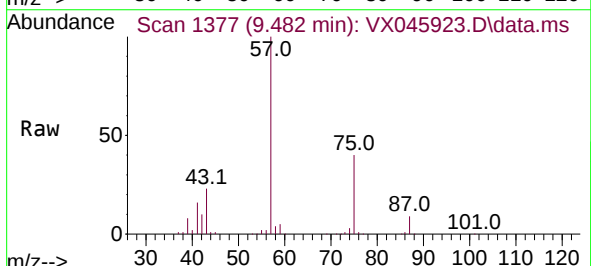
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#04

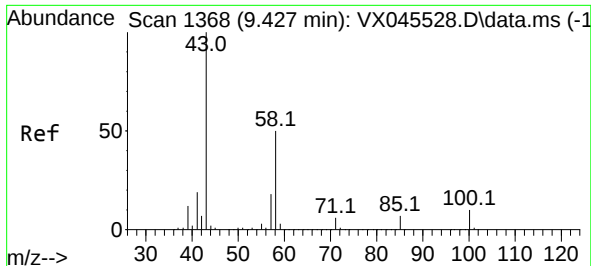
Tgt Ion: 75 Resp: 15778
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 36.8#
 39 45.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.948 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045923.D
 Acq: 24 Apr 2025 13:37

Tgt Ion: 76 Resp: 1545
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 7.892 ug/l

RT: 9.372 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX045923.D

Acq: 24 Apr 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

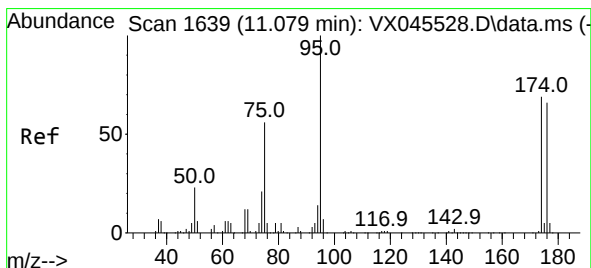
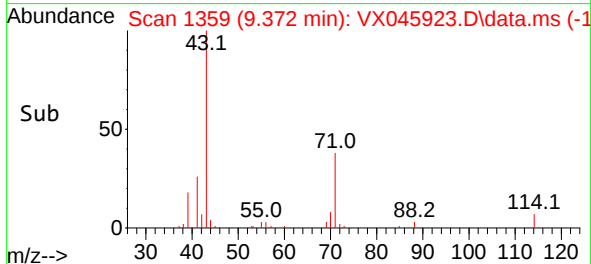
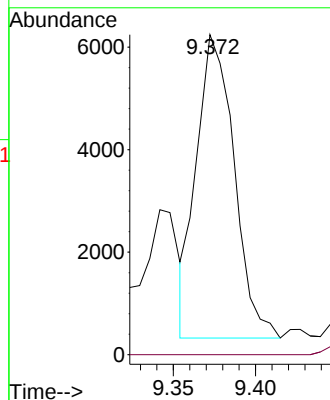
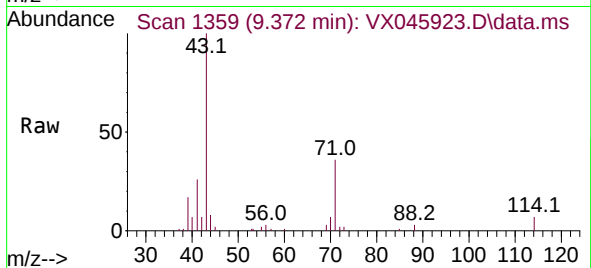
PB167707ZHE#04

Tgt Ion: 43 Resp: 9401

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 53.348 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045923.D

Acq: 24 Apr 2025 13:37

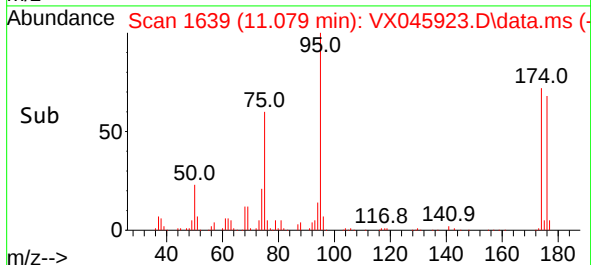
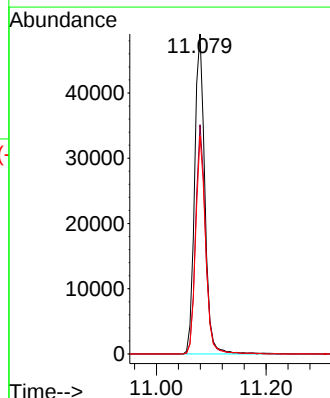
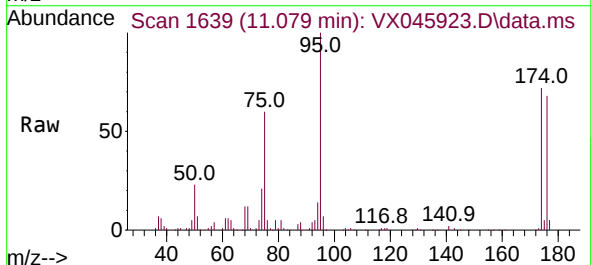
Tgt Ion: 95 Resp: 63821

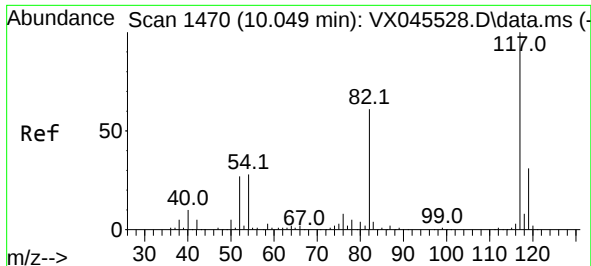
Ion Ratio Lower Upper

95 100

174 69.1 0.0 135.8

176 66.3 0.0 131.4

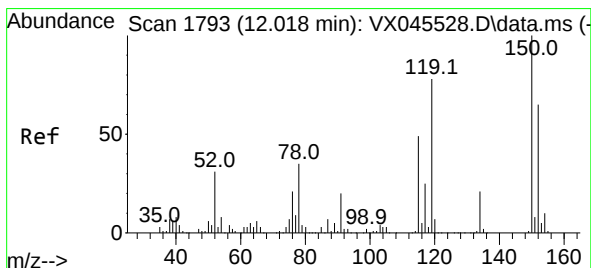
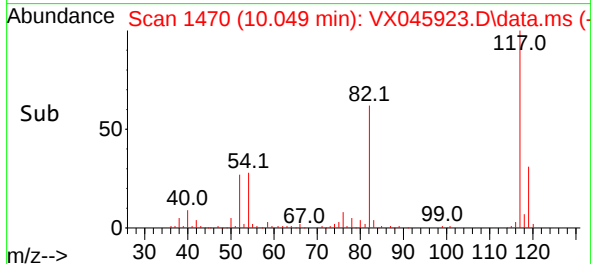
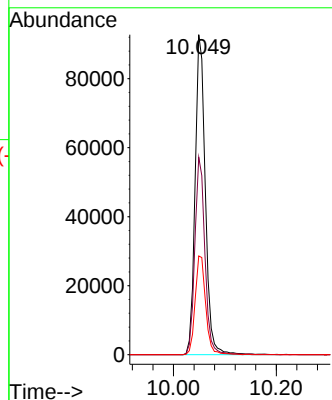
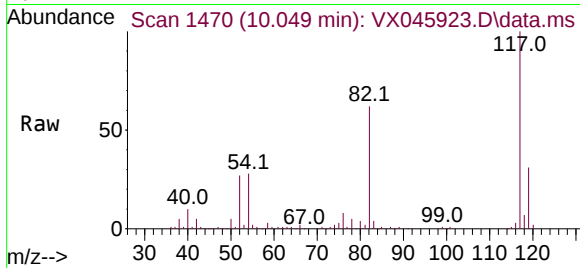




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

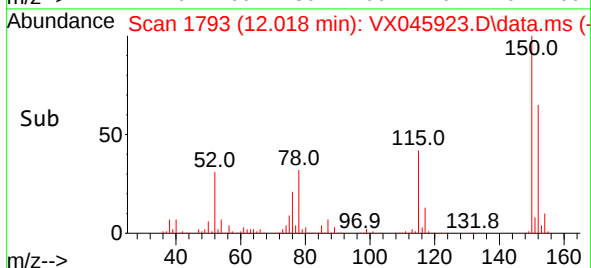
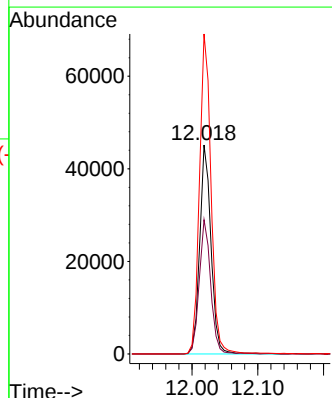
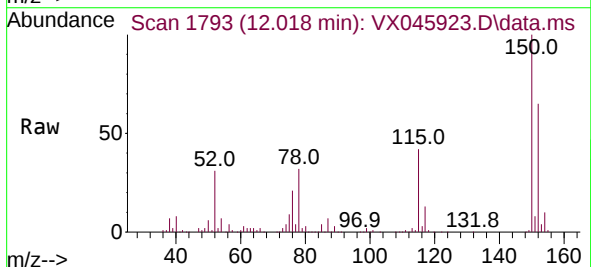
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

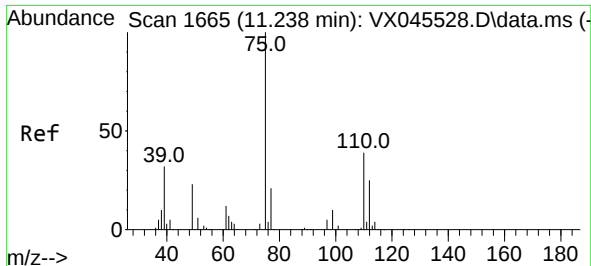
Tgt Ion:117 Resp: 128059
Ion Ratio Lower Upper
117 100
82 61.7 49.2 73.8
119 30.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion:152 Resp: 54029
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 156.5 0.0 349.4

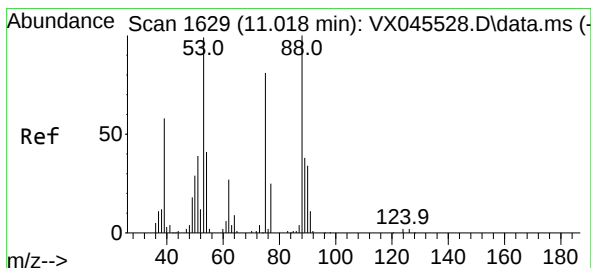
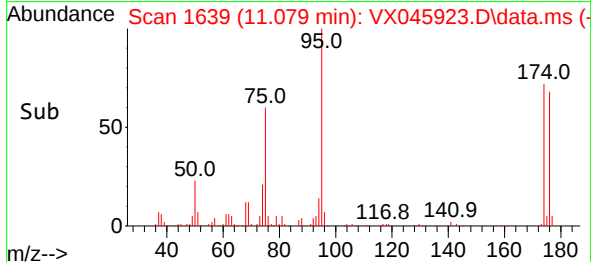
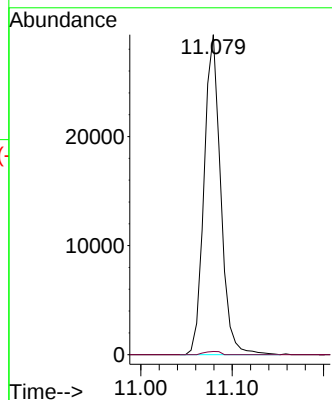
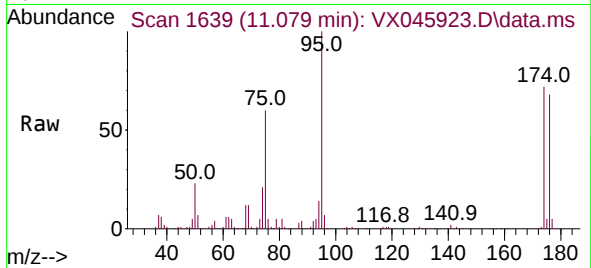




#76
1,2,3-Trichloropropane
Concen: 28.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#04

Tgt Ion: 75 Resp: 36957
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.173 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045923.D
Acq: 24 Apr 2025 13:37

Tgt Ion: 75 Resp: 36957
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

