

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045882.D
 Acq On : 22 Apr 2025 14:07
 Operator : JC/MD
 Sample : PB167661ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661ZHE#03

Quant Time: Apr 23 01:34:11 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

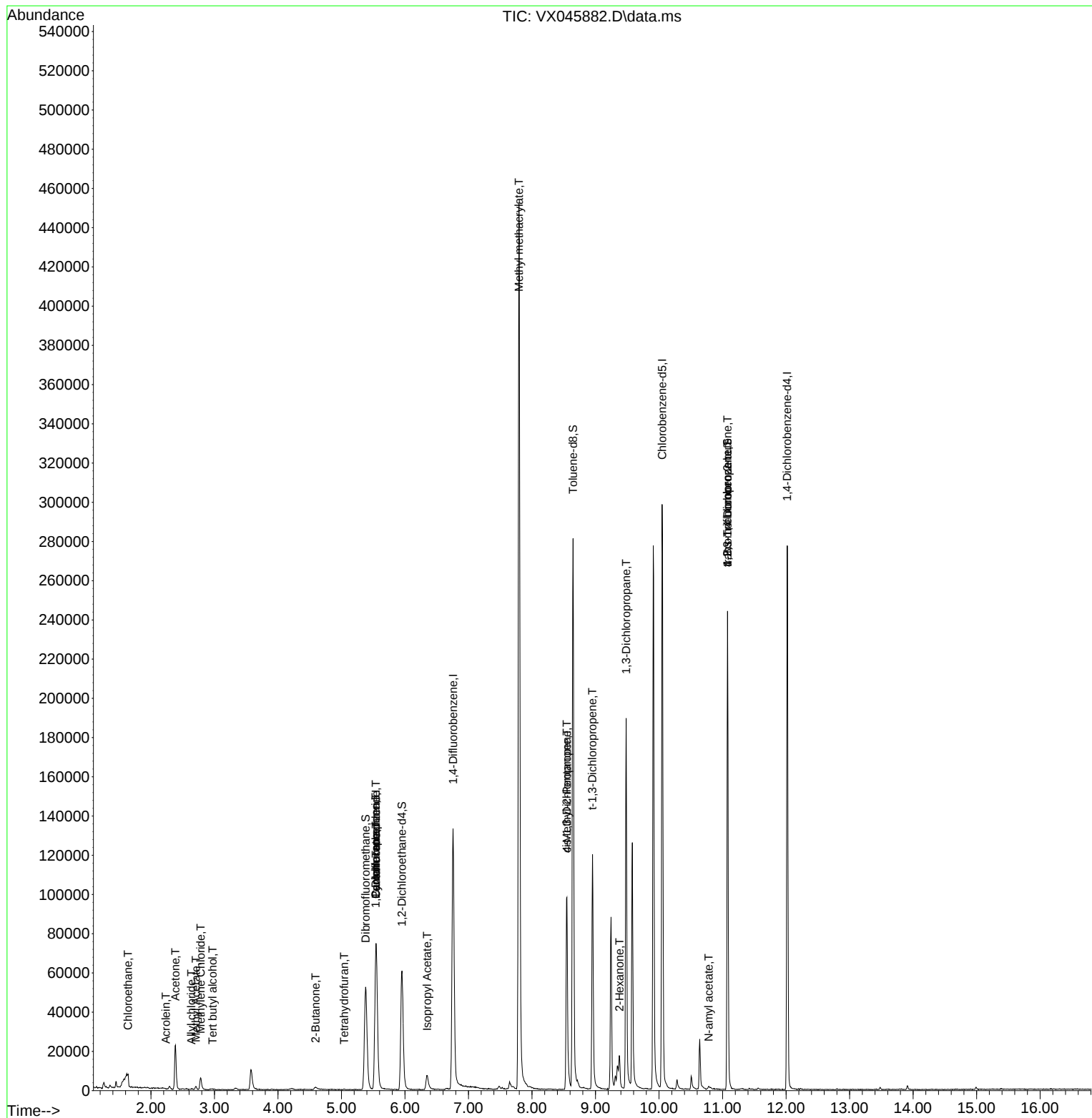
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	64526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63029	53.414	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.820%			
35) Dibromofluoromethane	5.379	113	45986	50.963	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	161095	51.149	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	61836	53.901	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.800%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.636	64	97	0.202	ug/l #	42
11) Tert butyl alcohol	2.971	59	275	1.734	ug/l #	72
13) Acrolein	2.233	56	55	0.252	ug/l #	15
14) Allyl chloride	2.636	41	302	0.205	ug/l #	63
16) Acetone	2.386	43	25891	53.433	ug/l	100
18) Methyl Acetate	2.709	43	2142	1.920	ug/l	95
20) Methylene Chloride	2.782	84	2963	3.266	ug/l	89
25) 2-Butanone	4.593	43	3013	4.248	ug/l	99
29) Tetrahydrofuran	5.044	42	122	0.265	ug/l #	35
31) Cyclohexane	5.544	56	2072	1.431	ug/l #	48
36) 1,1-Dichloropropene	5.538	75	6647	5.456	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7747	5.884	ug/l #	19
43) Isopropyl Acetate	6.348	43	11194	4.810	ug/l	97
48) Methyl methacrylate	7.793	41	44886	37.358	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39518	25.617	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	277	2.482	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15454	11.554	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1594	1.020	ug/l #	42
59) 2-Hexanone	9.378	43	15577	13.636	ug/l #	28
74) N-amyl acetate	10.781	43	1452	0.724	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	35169	27.550	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35169	93.501	ug/l #	1

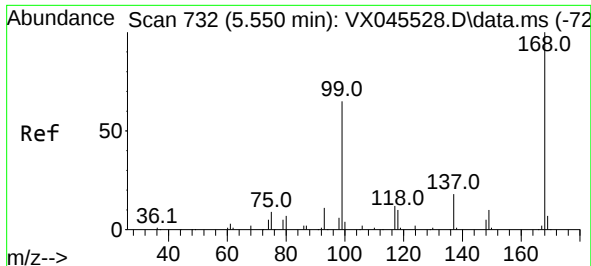
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

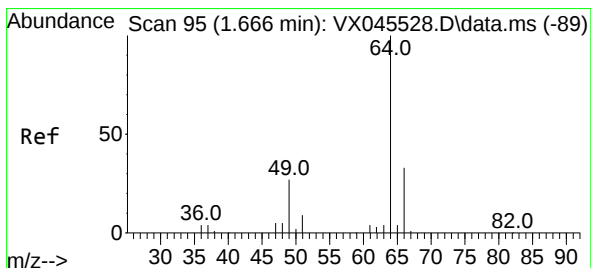
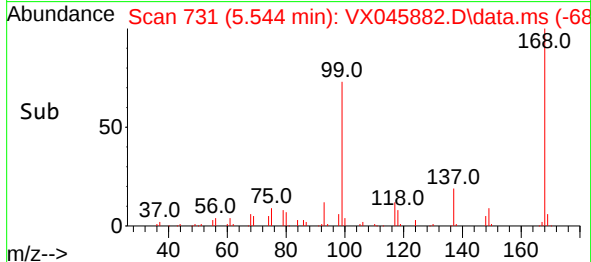
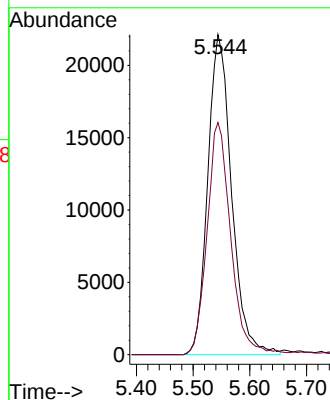
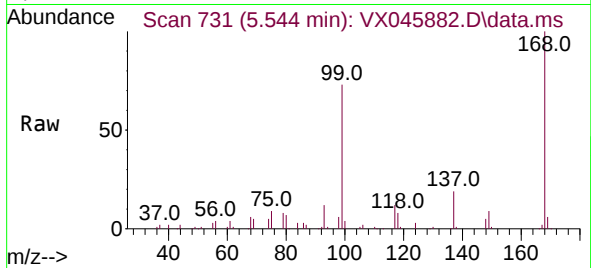




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

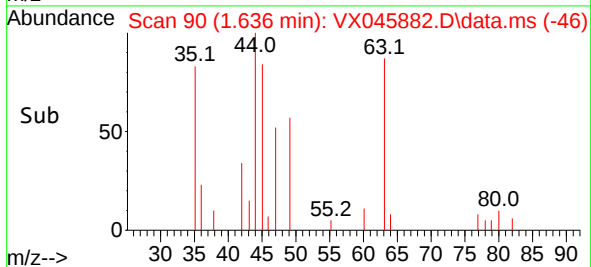
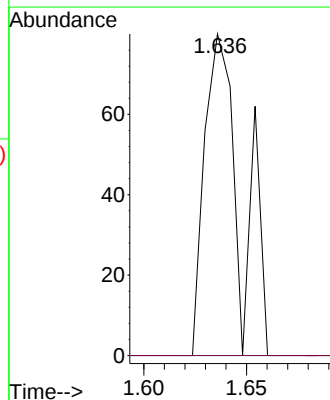
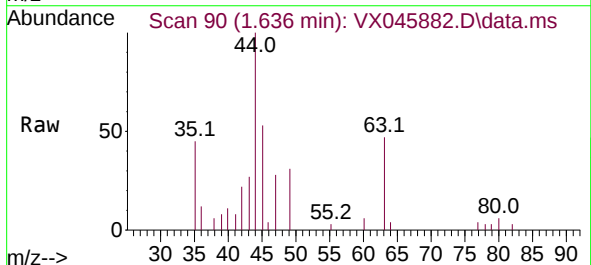
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

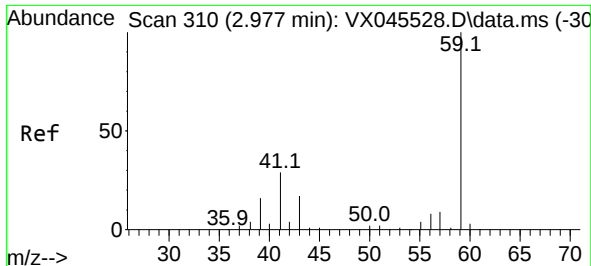
Tgt Ion:168 Resp: 64526
Ion Ratio Lower Upper
168 100
99 72.5 52.3 78.5



#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.030 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

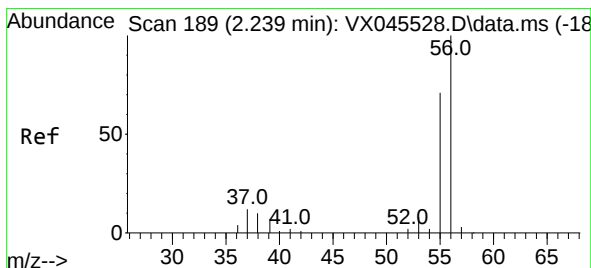
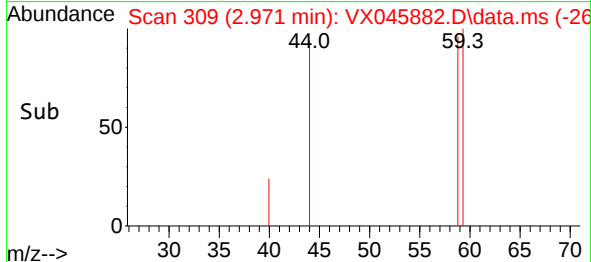
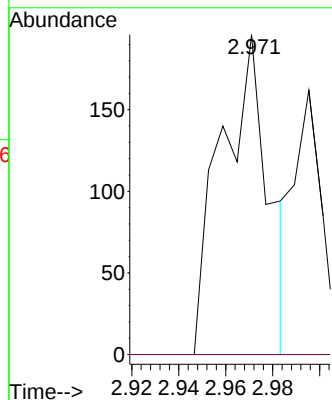
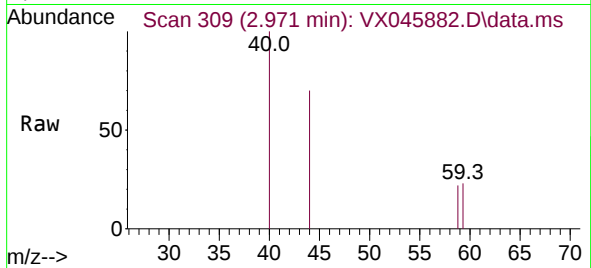




#11
Tert butyl alcohol
Concen: 1.734 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

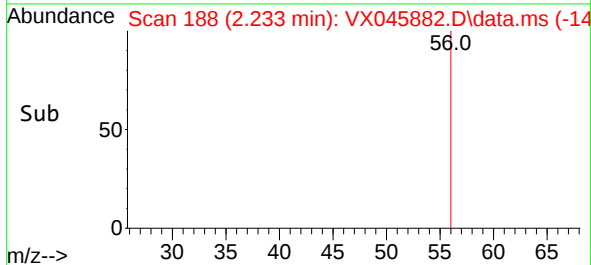
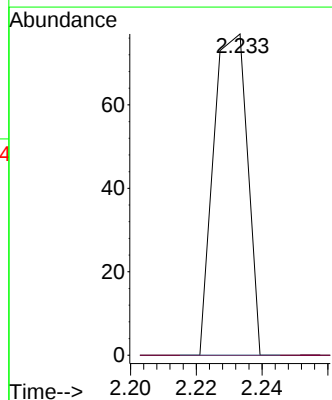
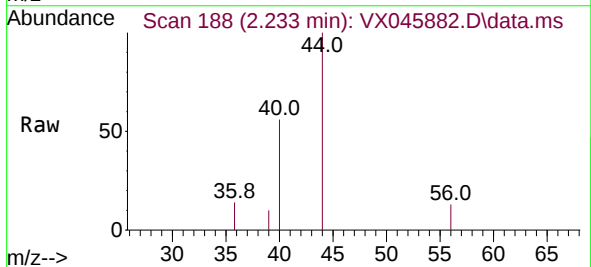
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

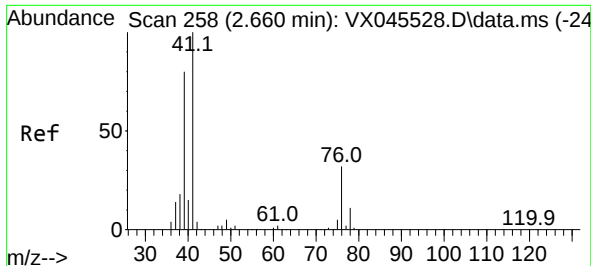
Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.252 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

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

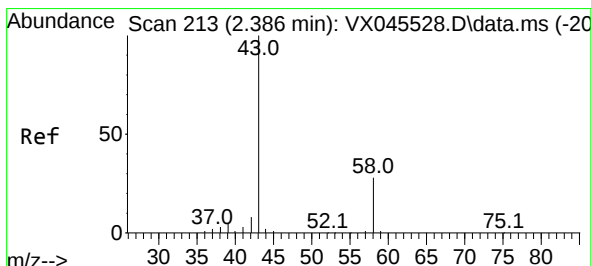
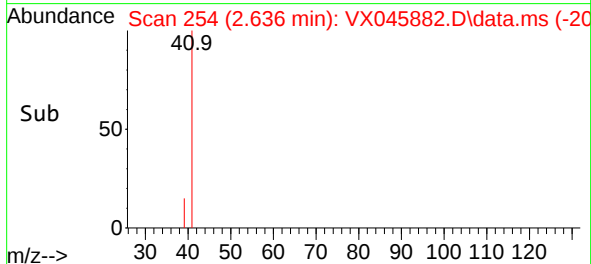
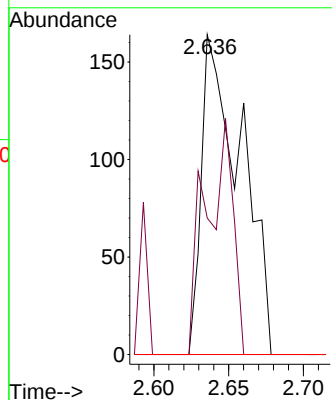
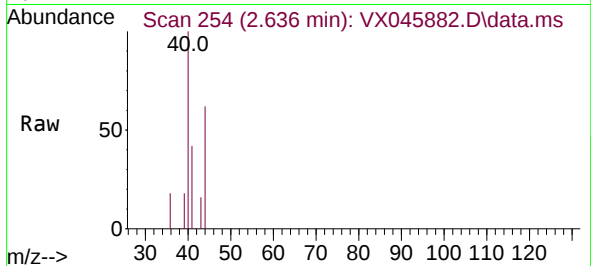




#14
 Allyl chloride
 Concen: 0.205 ug/l
 RT: 2.636 min Scan# 214
 Delta R.T. -0.024 min
 Lab File: VX045882.D
 Acq: 22 Apr 2025 14:07

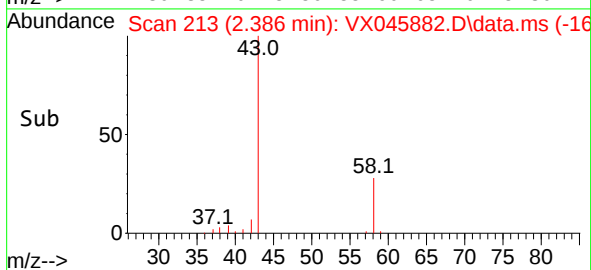
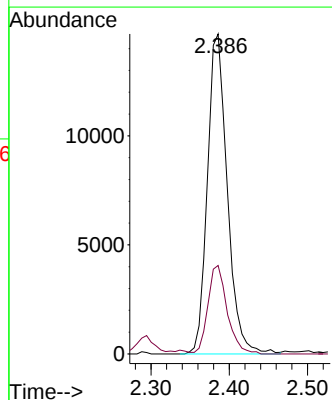
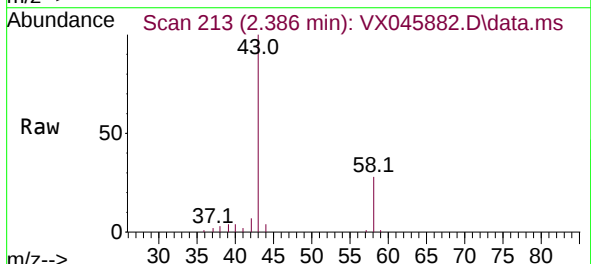
Instrument :
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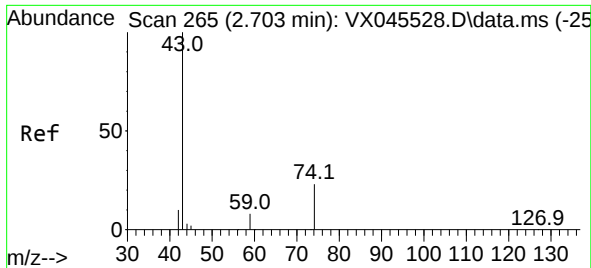
Tgt Ion: 41 Resp: 302
 Ion Ratio Lower Upper
 41 100
 39 50.7 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 53.433 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045882.D
 Acq: 22 Apr 2025 14:07

Tgt Ion: 43 Resp: 25891
 Ion Ratio Lower Upper
 43 100
 58 27.7 22.3 33.5

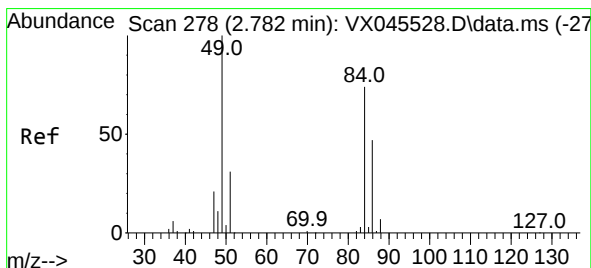
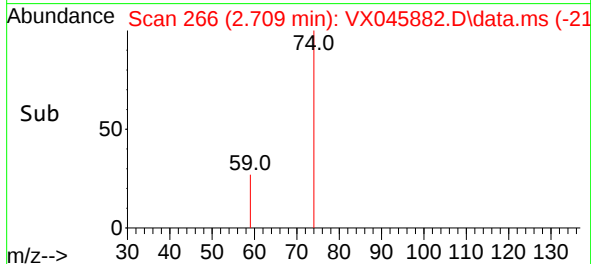
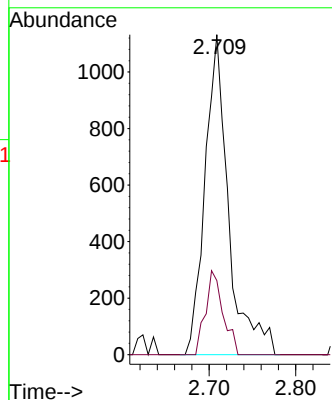
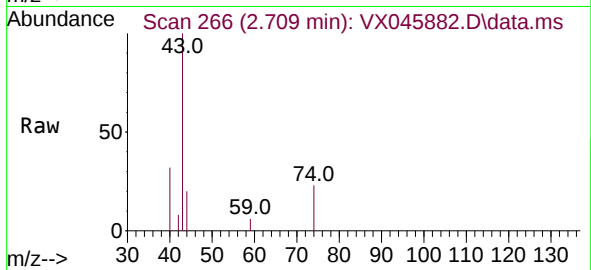




#18
Methyl Acetate
Concen: 1.920 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

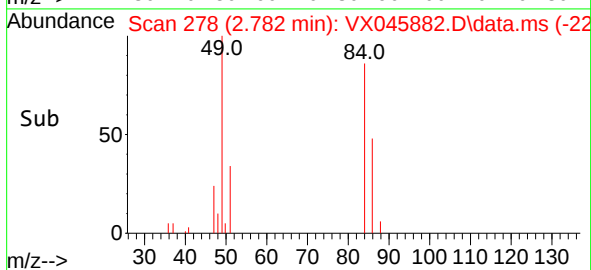
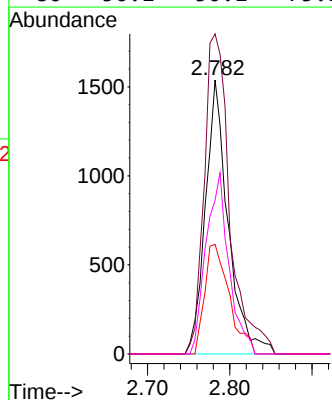
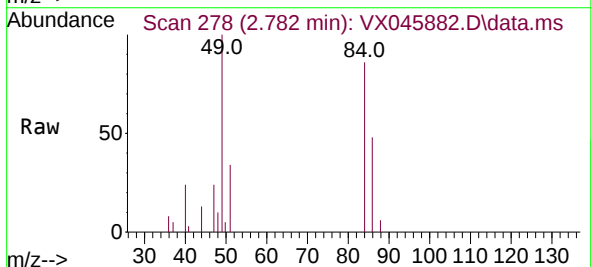
Instrument :
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ClientSampleId :
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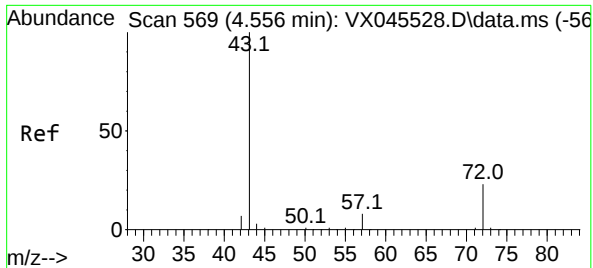
Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
74 19.5 17.5 26.3



#20
Methylene Chloride
Concen: 3.266 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 84 Resp: 2963
Ion Ratio Lower Upper
84 100
49 116.8 107.5 161.3
51 40.0 33.0 49.6
86 56.1 50.1 75.1

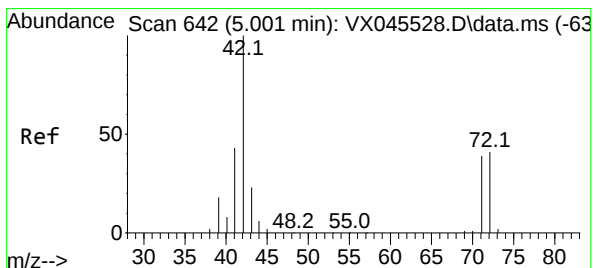
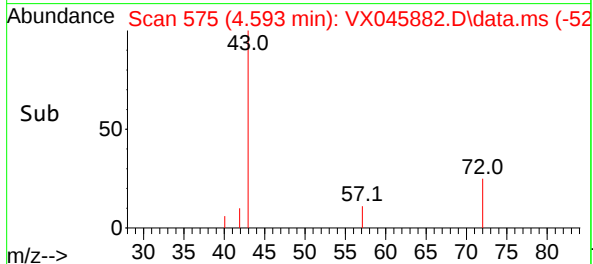
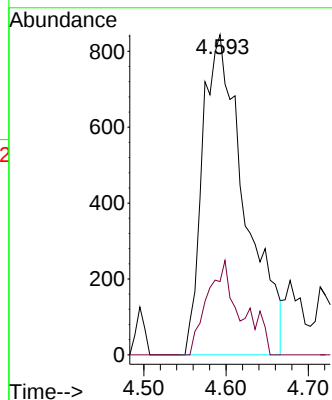
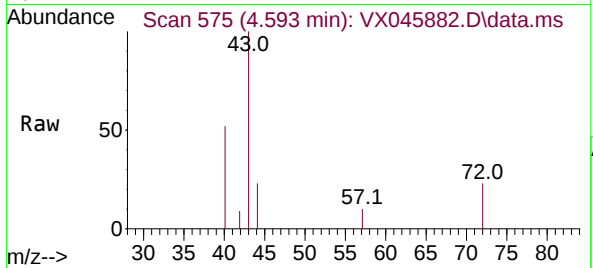




#25
2-Butanone
Concen: 4.248 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

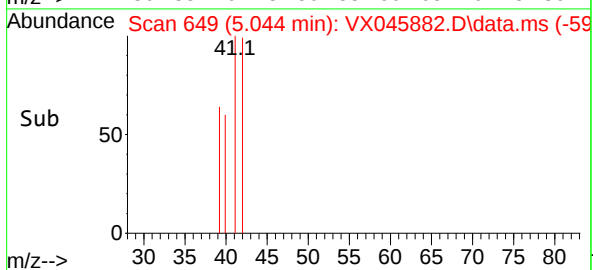
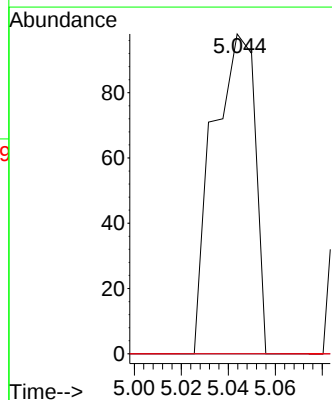
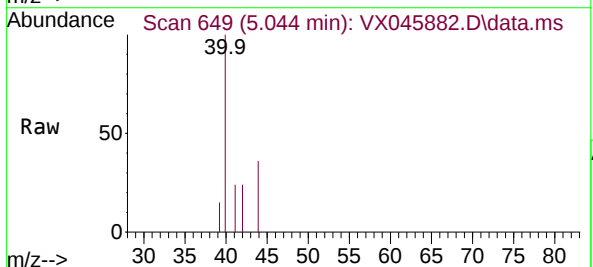
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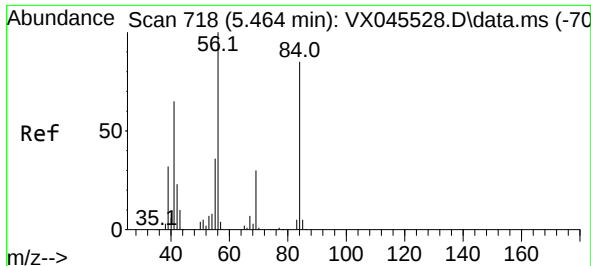
Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
72 22.9 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.265 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

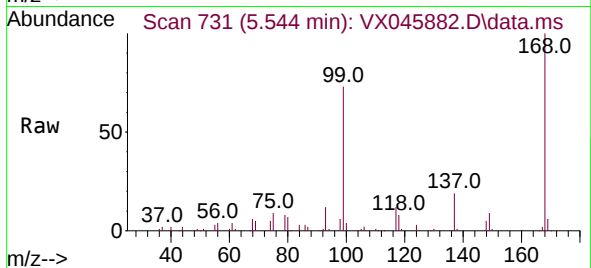
Tgt Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



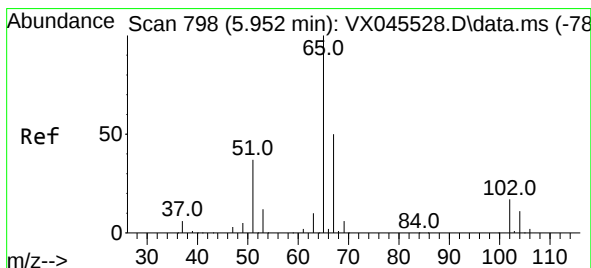
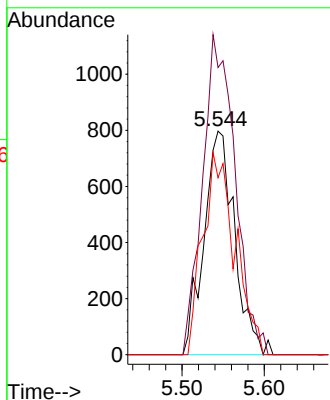
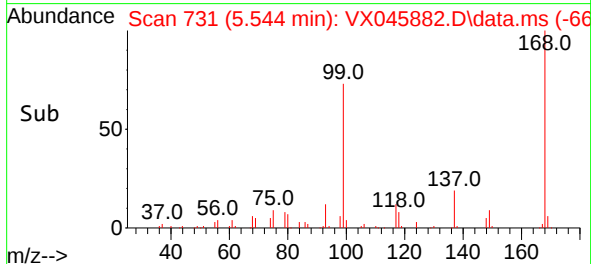


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

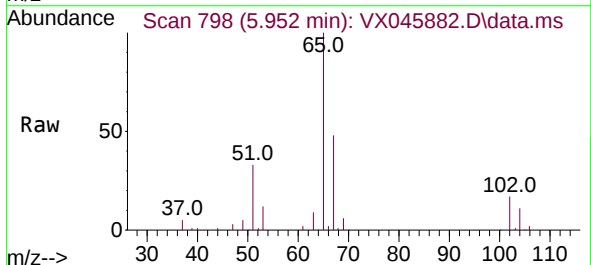
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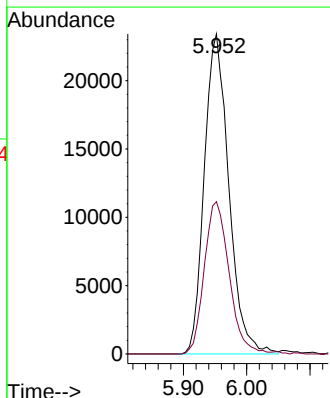
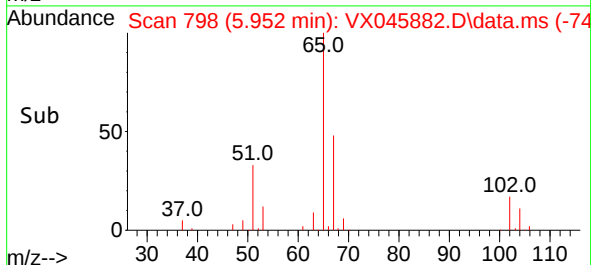
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Ion Ratio Lower Upper
56 100
69 128.5 23.6 35.4#
84 79.2 67.7 101.5

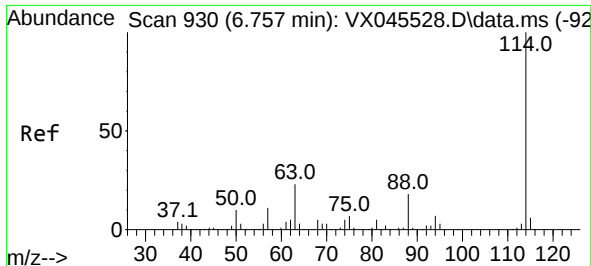


#33
1,2-Dichloroethane-d4
Concen: 53.414 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07



Tgt Ion: 65 Resp: 63029
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.0

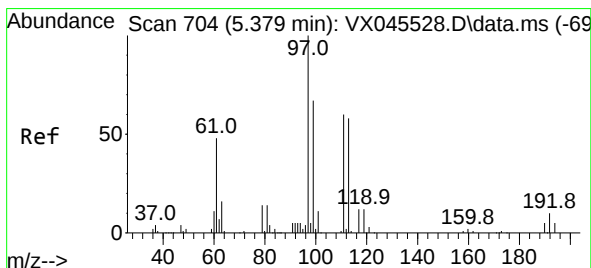
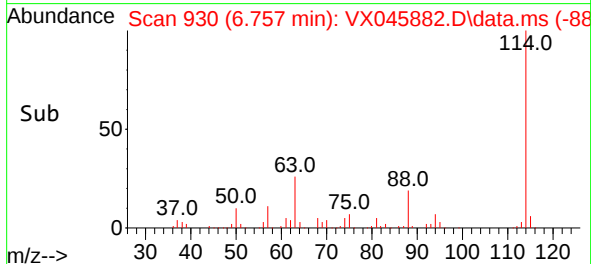
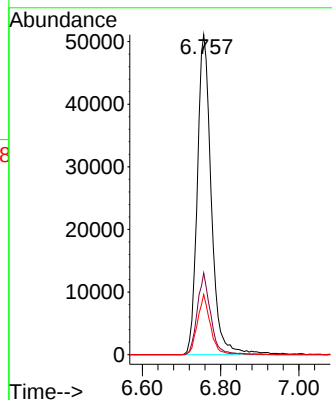
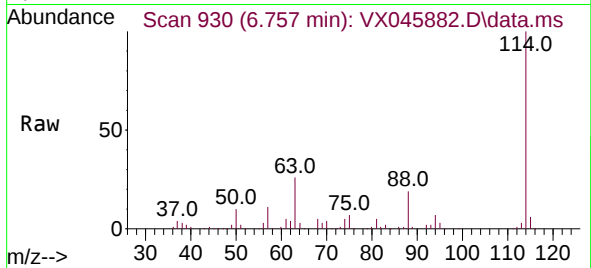




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

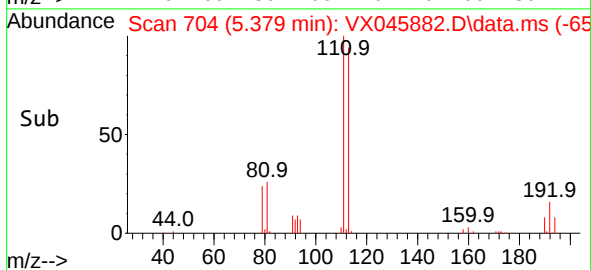
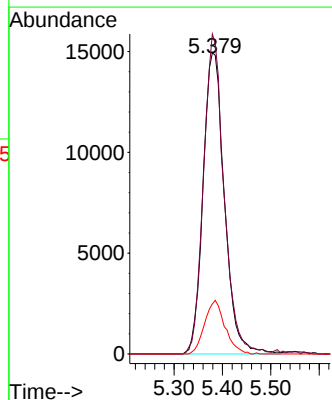
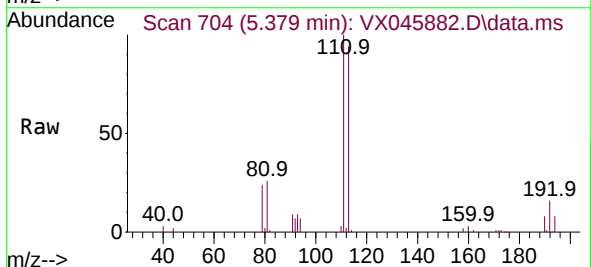
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

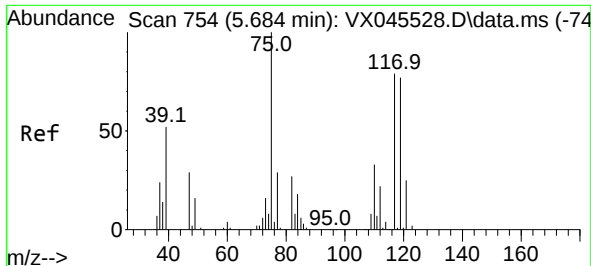
Tgt Ion:114 Resp: 127180
Ion Ratio Lower Upper
114 100
63 25.5 0.0 46.8
88 18.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.963 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion:113 Resp: 45986
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 16.9 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.456 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#03

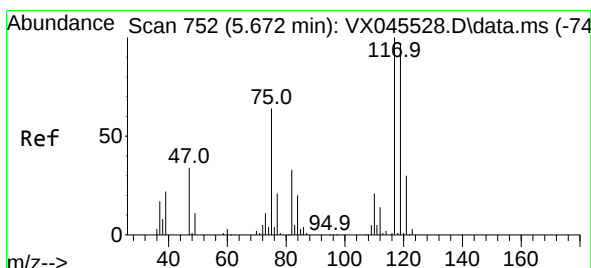
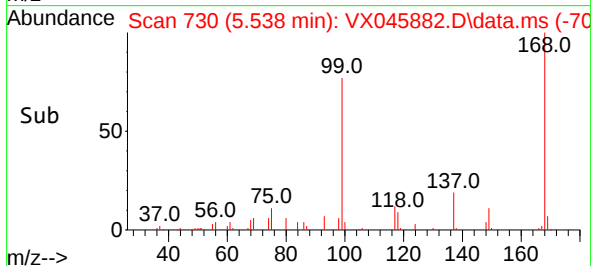
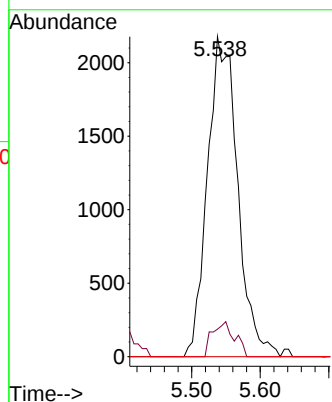
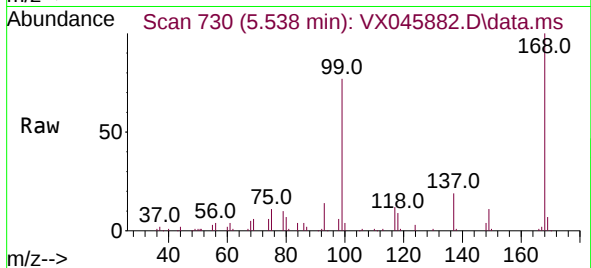
Tgt Ion: 75 Resp: 6647

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

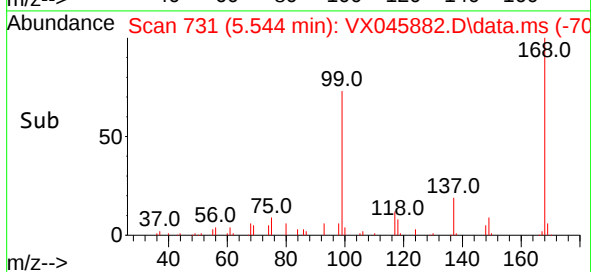
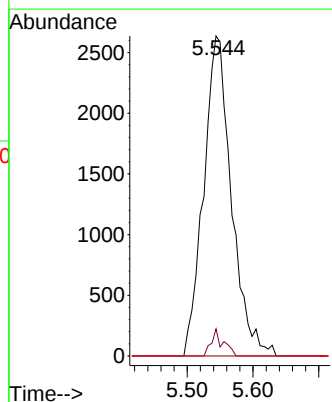
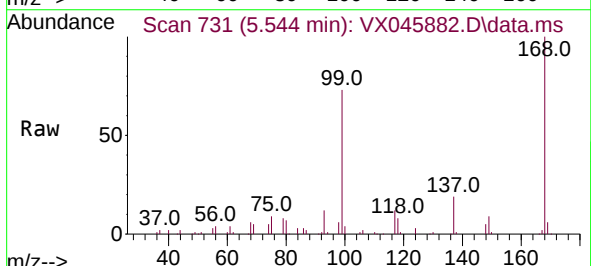
Tgt Ion: 117 Resp: 7747

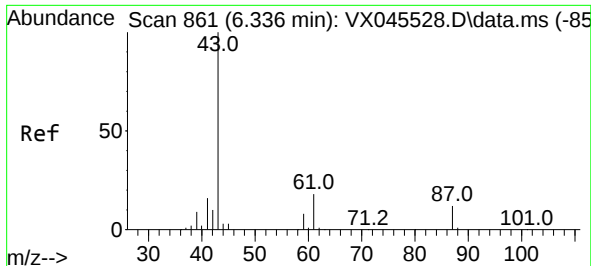
Ion Ratio Lower Upper

117 100

119 8.5 76.9 115.3#

121 0.0 24.2 36.2#

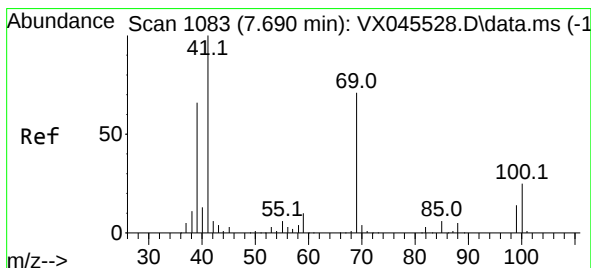
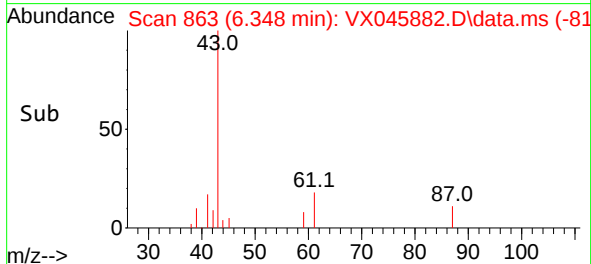
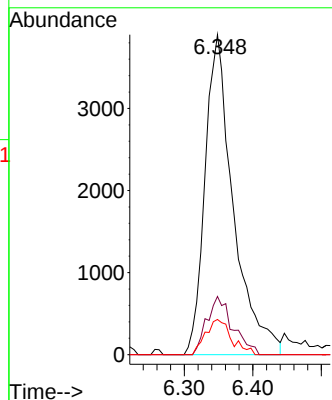
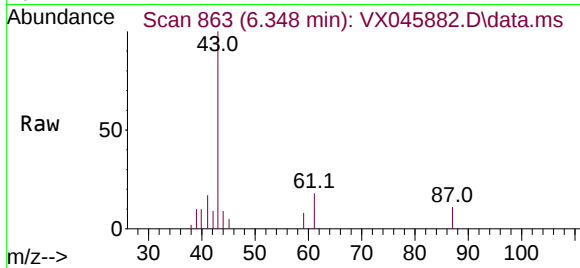




#43
Isopropyl Acetate
Concen: 4.810 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

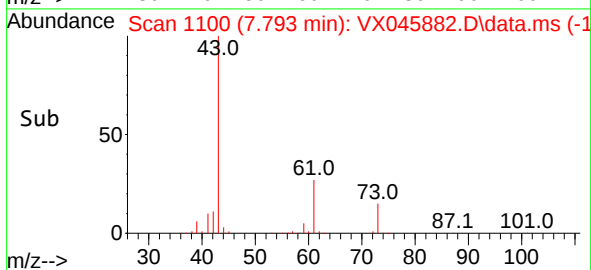
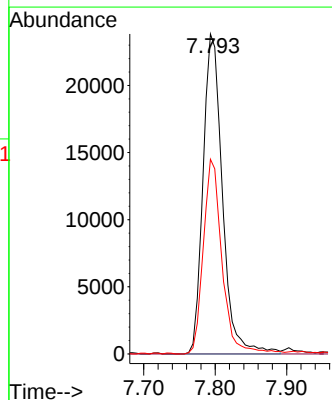
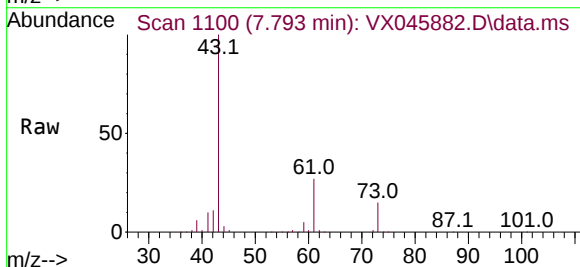
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

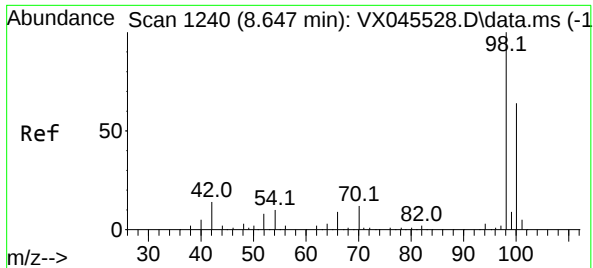
Tgt Ion: 43 Resp: 11194
Ion Ratio Lower Upper
43 100
61 16.7 14.1 21.1
87 10.1 9.2 13.8



#48
Methyl methacrylate
Concen: 37.358 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 41 Resp: 44886
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4

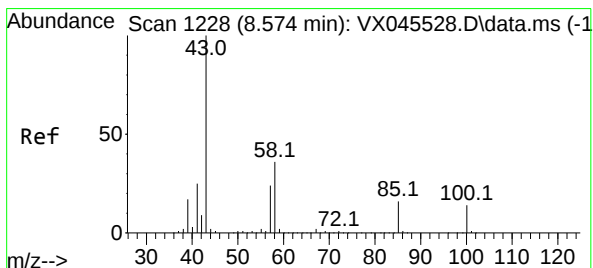
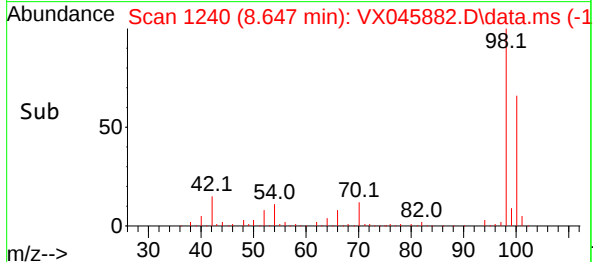
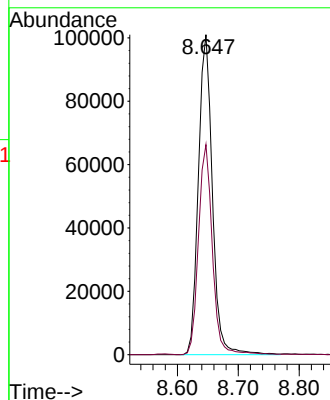
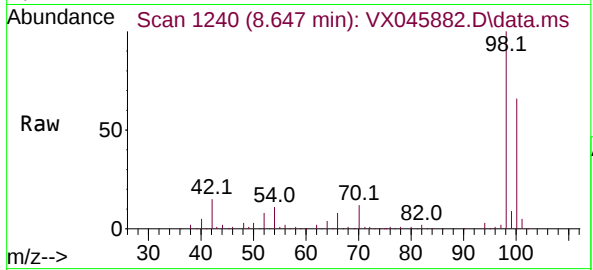




#50
Toluene-d8
Concen: 51.149 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

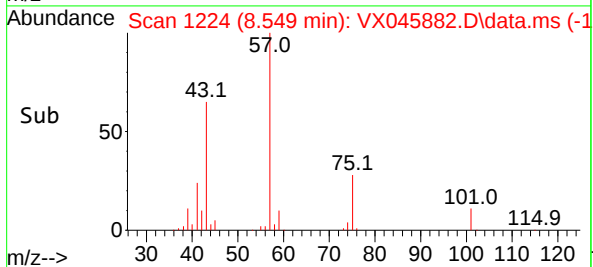
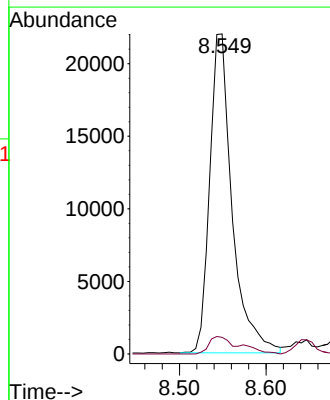
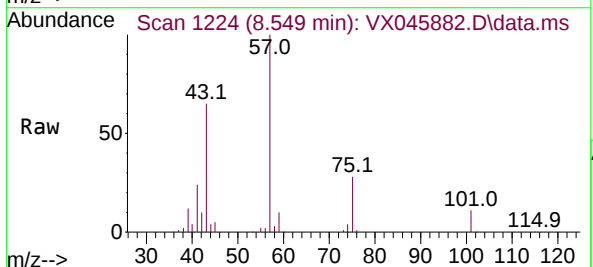
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

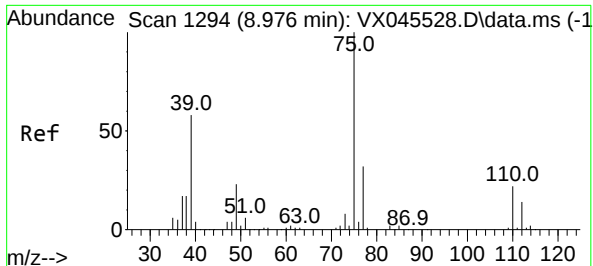
Tgt Ion: 98 Resp: 161095
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.617 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 43 Resp: 39518
Ion Ratio Lower Upper
43 100
58 5.4 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.482 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

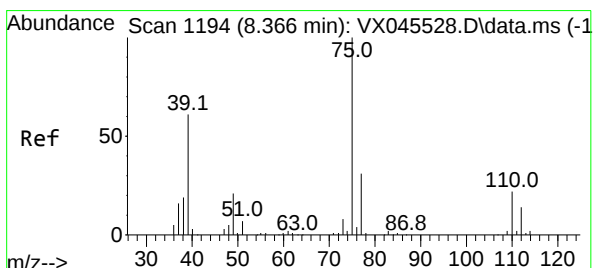
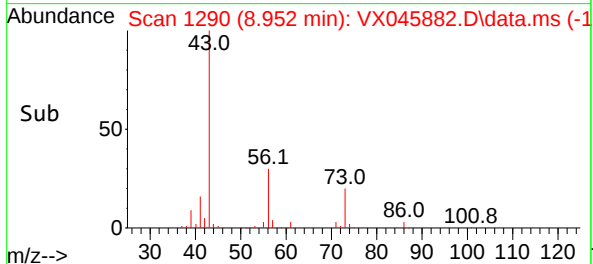
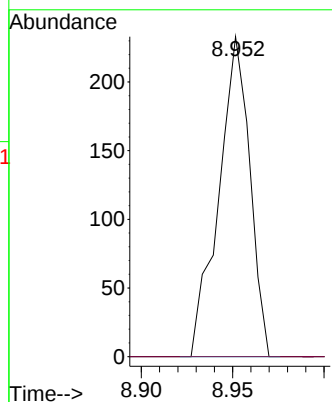
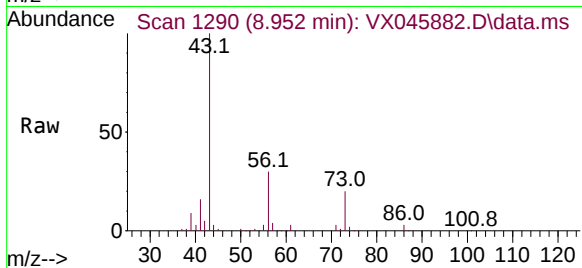
PB167661ZHE#03

Tgt Ion: 75 Resp: 277

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.554 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

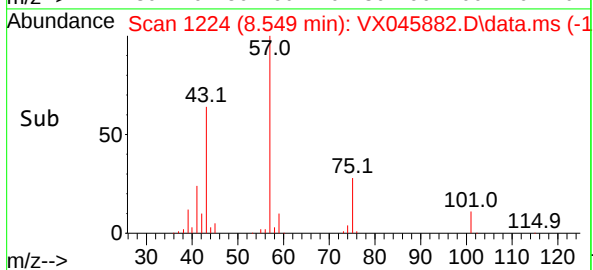
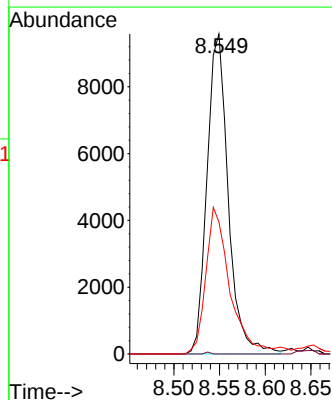
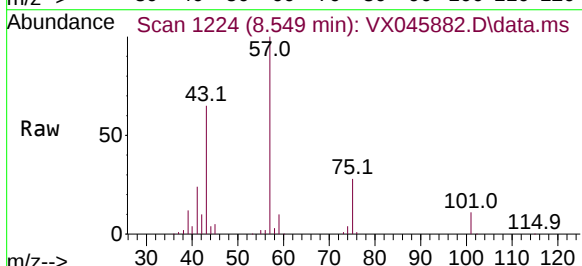
Tgt Ion: 75 Resp: 15454

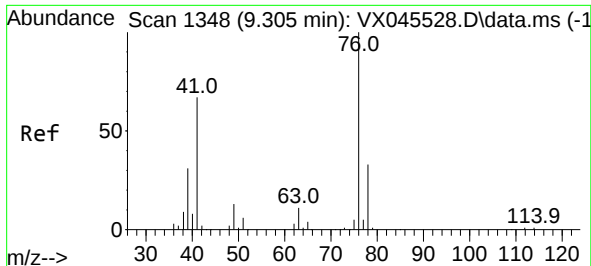
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 41.3 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 1.020 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

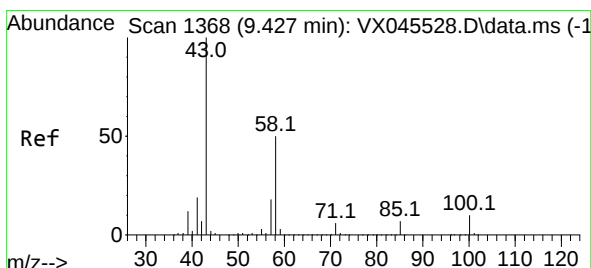
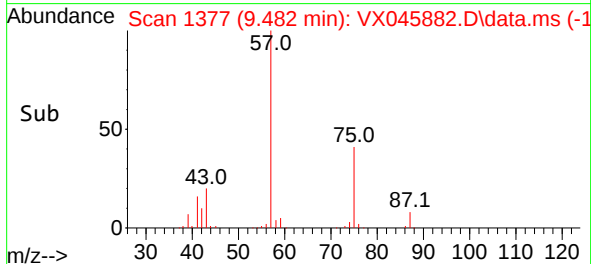
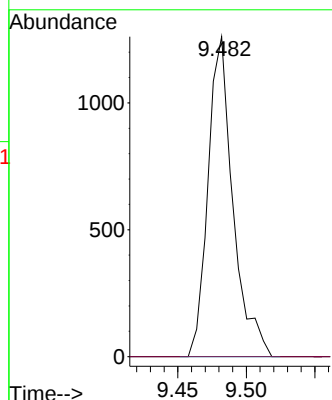
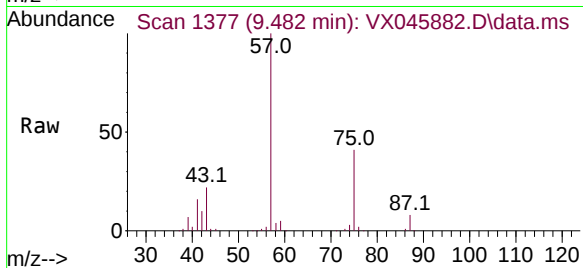
PB167661ZHE#03

Tgt Ion: 76 Resp: 1594

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 13.636 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045882.D

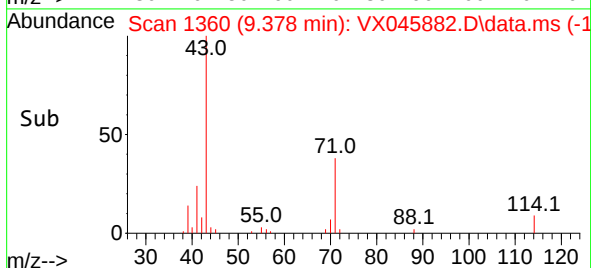
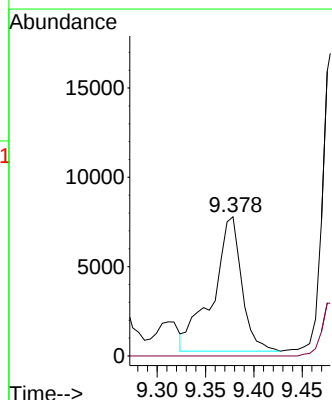
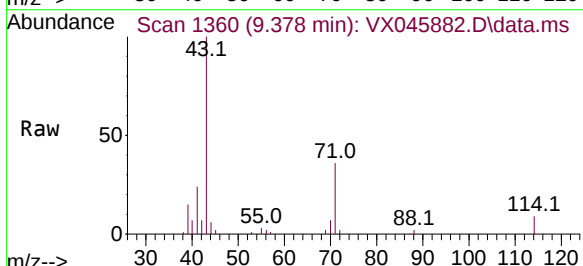
Acq: 22 Apr 2025 14:07

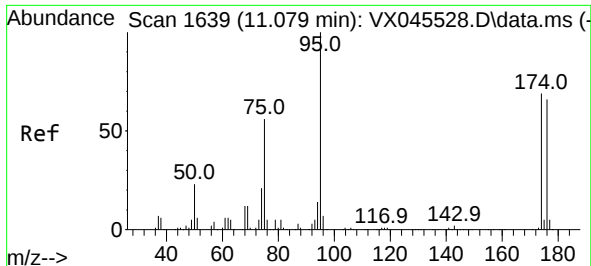
Tgt Ion: 43 Resp: 15577

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 53.901 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045882.D

Acq: 22 Apr 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

PB167661ZHE#03

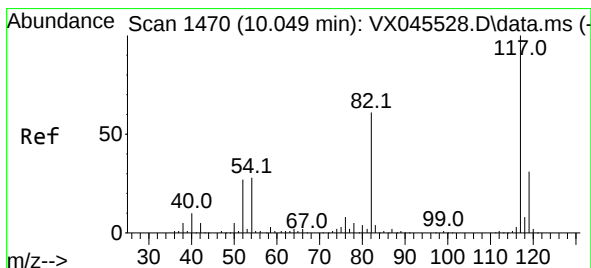
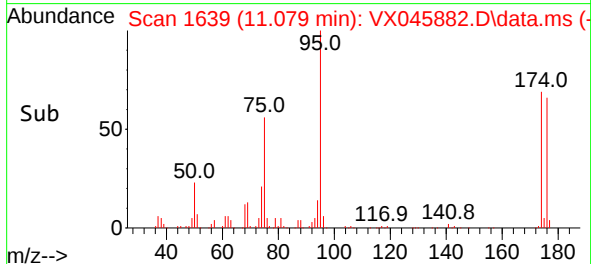
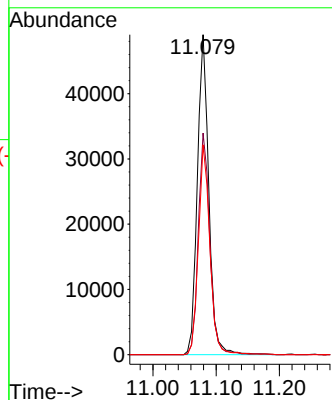
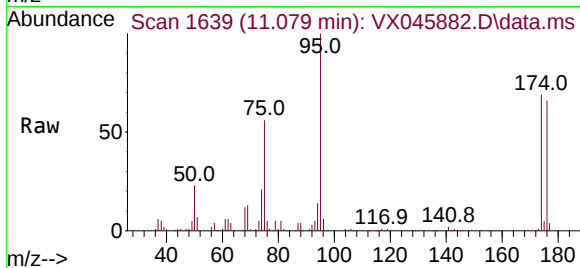
Tgt Ion: 95 Resp: 61836

Ion Ratio Lower Upper

95 100

174 69.3 0.0 135.8

176 65.8 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: VX045882.D

Acq: 22 Apr 2025 14:07

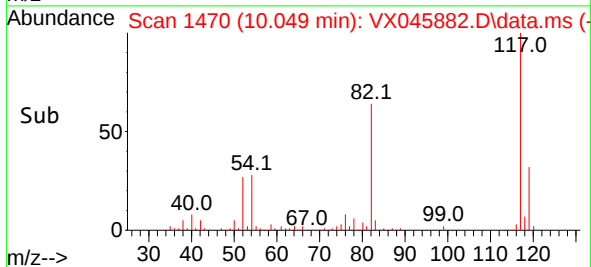
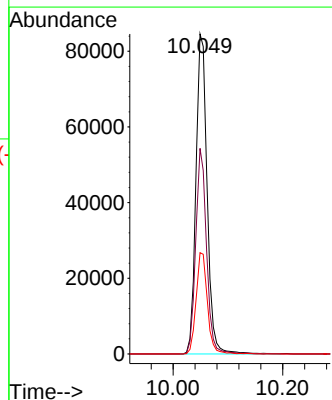
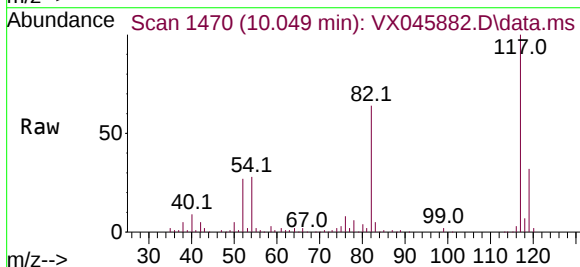
Tgt Ion: 117 Resp: 120628

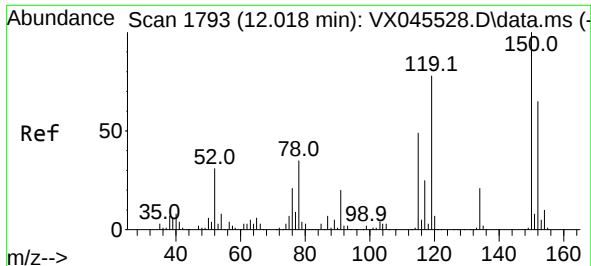
Ion Ratio Lower Upper

117 100

82 64.3 49.2 73.8

119 31.7 25.1 37.7

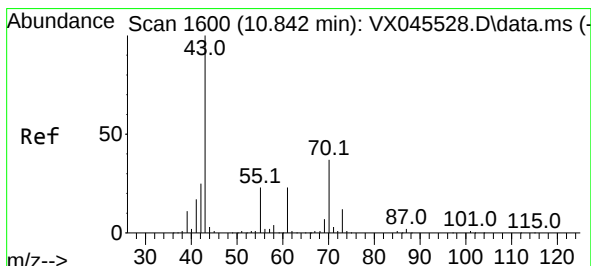
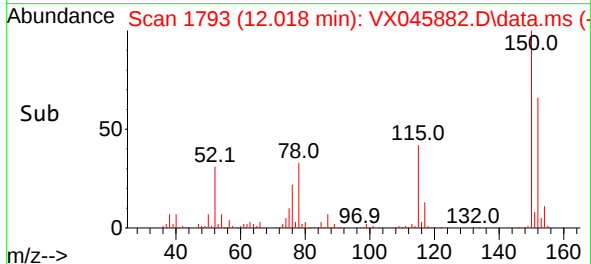
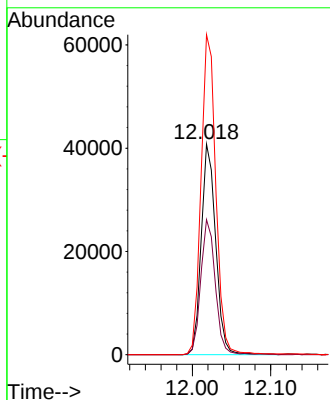
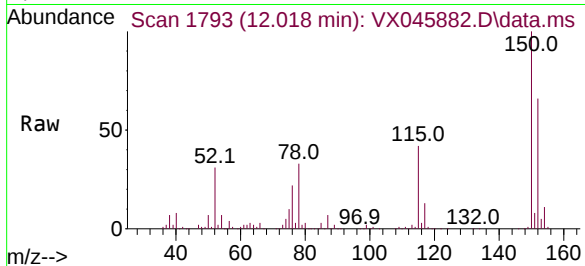




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

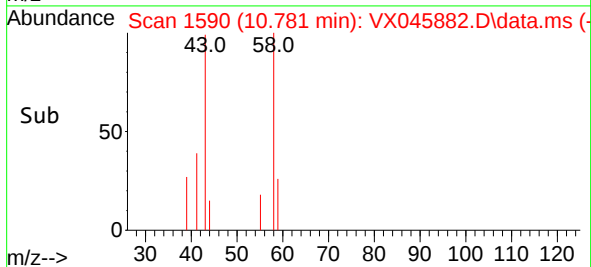
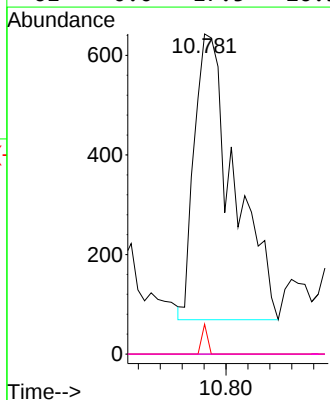
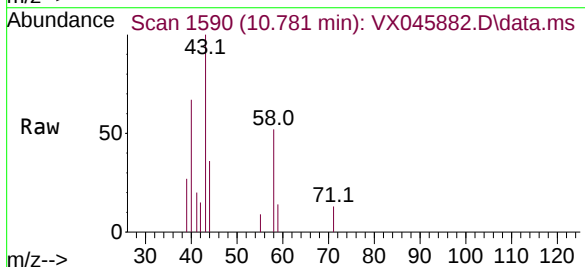
Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

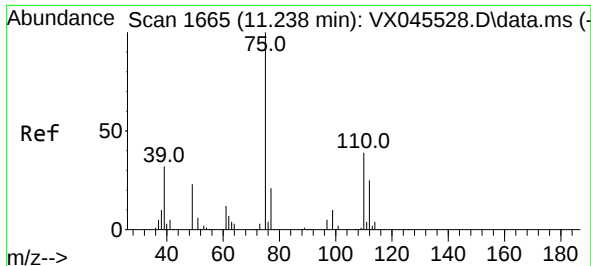
Tgt Ion:152 Resp: 52334
Ion Ratio Lower Upper
152 100
115 64.3 46.9 140.7
150 155.6 0.0 349.4



#74
N-ethyl acetate
Concen: 0.724 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 1.5 18.3 27.5#
61 0.0 17.5 26.3#

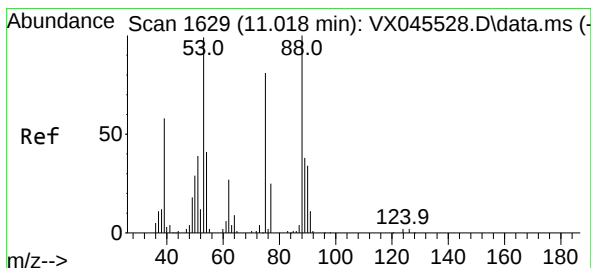
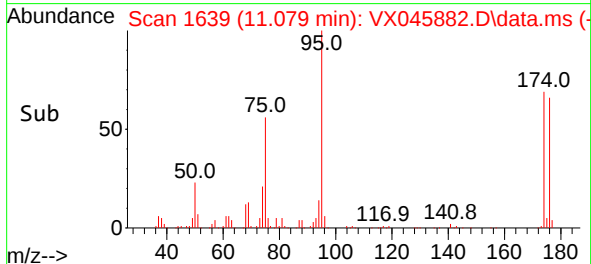
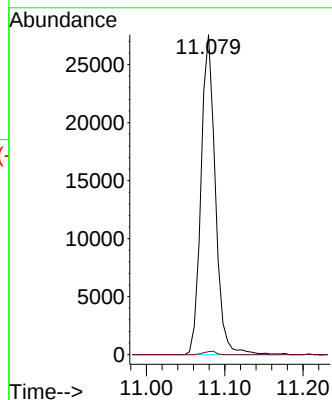
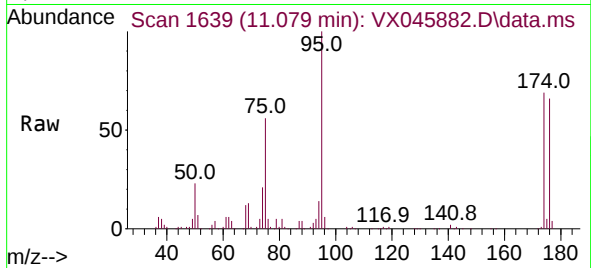




#76
1,2,3-Trichloropropane
Concen: 27.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
PB167661ZHE#03

Tgt Ion: 75 Resp: 35169
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045882.D
Acq: 22 Apr 2025 14:07

Tgt Ion: 75 Resp: 35169
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

