

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046063.D
 Acq On : 06 May 2025 14:58
 Operator : JC/MD
 Sample : PB167852ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#04

Quant Time: May 07 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

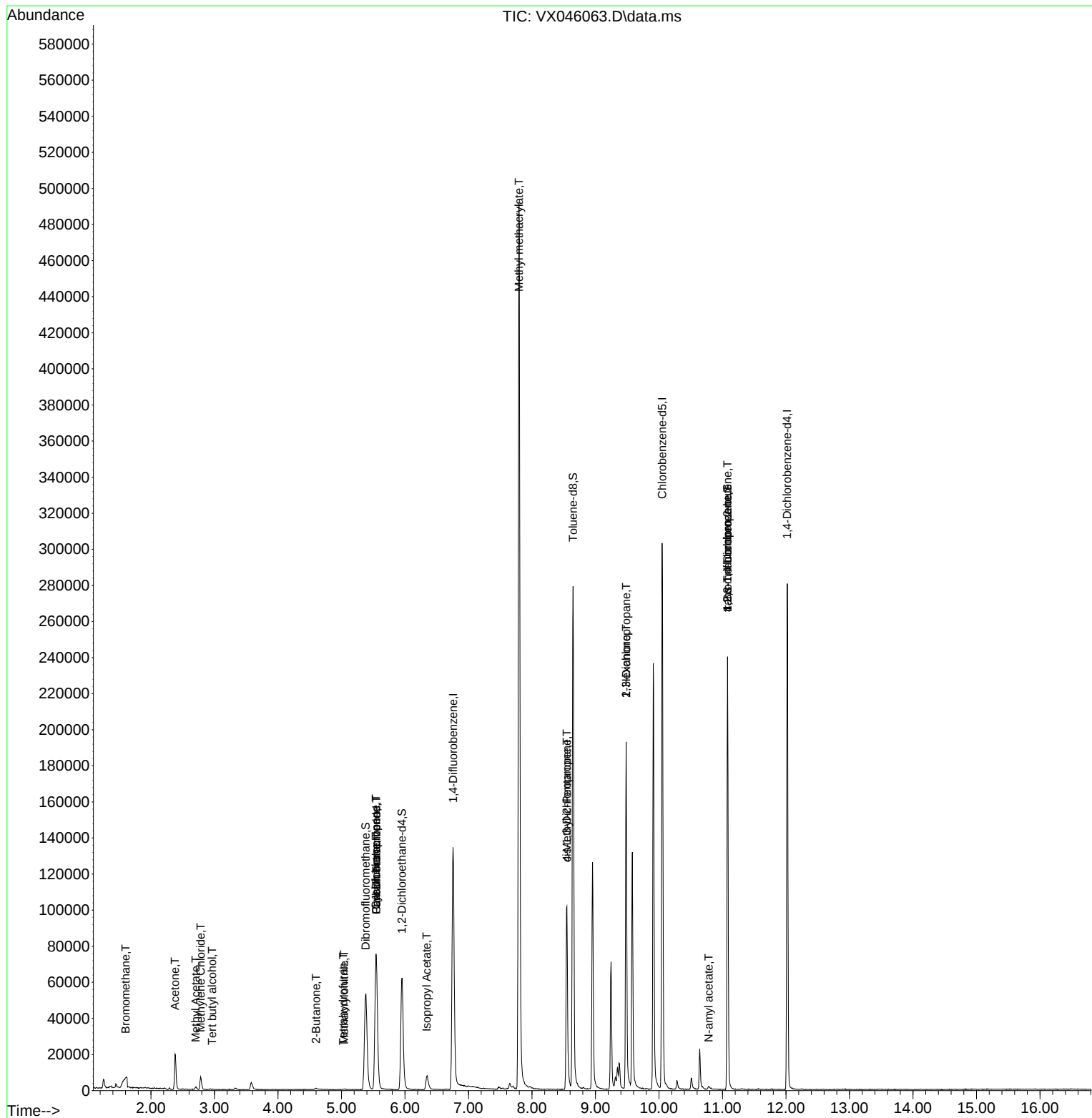
Internal Standards						
1) Pentafluorobenzene	5.550	168	64597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64672	53.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.400%			
35) Dibromofluoromethane	5.379	113	46222	49.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.647	98	162013	50.489	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	63484	51.576	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.160%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	164	0.396	ug/l #	73
11) Tert butyl alcohol	2.965	59	151	0.893	ug/l #	72
16) Acetone	2.380	43	21728	44.998	ug/l	100
18) Methyl Acetate	2.703	43	2049	1.829	ug/l #	88
20) Methylene Chloride	2.782	84	3144	3.398	ug/l	92
25) 2-Butanone	4.599	43	1609	2.295	ug/l #	82
29) Tetrahydrofuran	5.026	42	119	0.271	ug/l #	62
31) Cyclohexane	5.544	56	1908	1.329	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	6412	5.147	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7566	5.406	ug/l #	17
41) Methacrylonitrile	5.044	41	173	0.215	ug/l #	39
43) Isopropyl Acetate	6.342	43	12159	5.179	ug/l	99
48) Methyl methacrylate	7.793	41	49013	40.875	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40856	26.215	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16008	11.562	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1783	1.125	ug/l #	42
59) 2-Hexanone	9.482	43	25580	22.185	ug/l #	54
74) N-amyl acetate	10.781	43	1060	0.533	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	35973	28.888	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35973	94.050	ug/l #	1

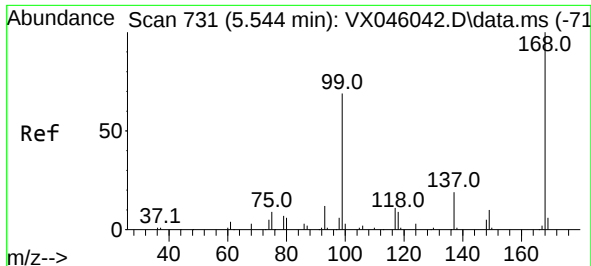
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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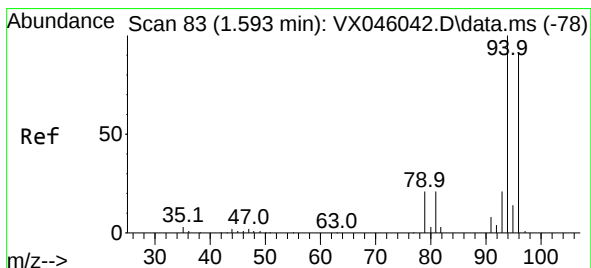
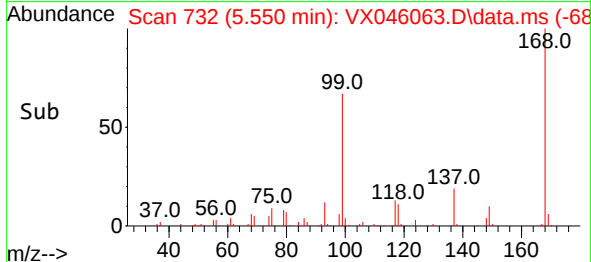
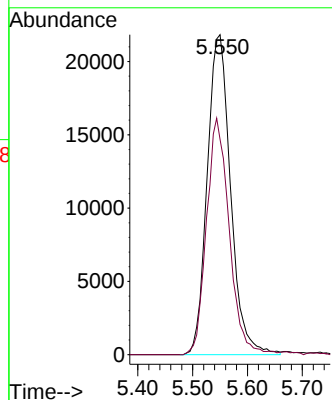
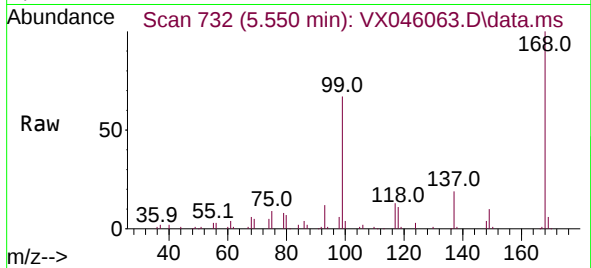




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

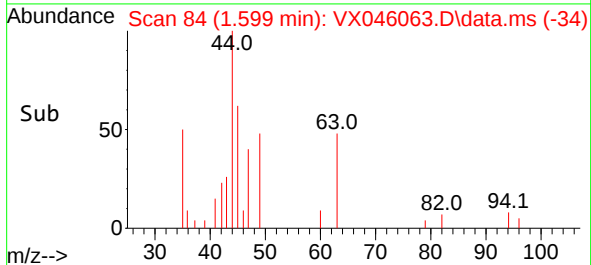
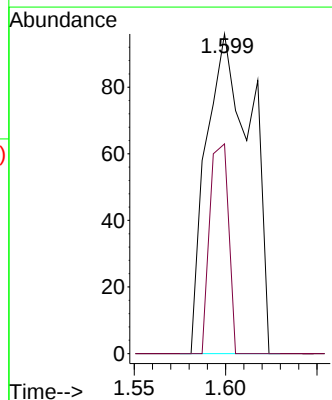
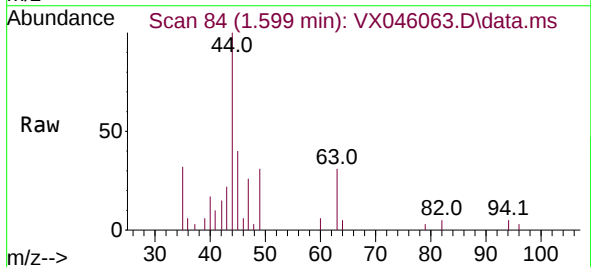
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

Tgt Ion:168 Resp: 64597
Ion Ratio Lower Upper
168 100
99 67.3 54.9 82.3



#5
Bromomethane
Concen: 0.396 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 65.6 72.8 109.2#





#11

Tert butyl alcohol

Concen: 0.893 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX046063.D

Acq: 06 May 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

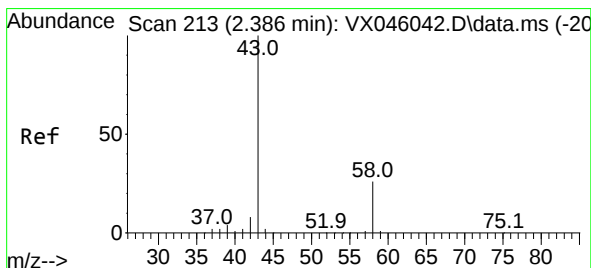
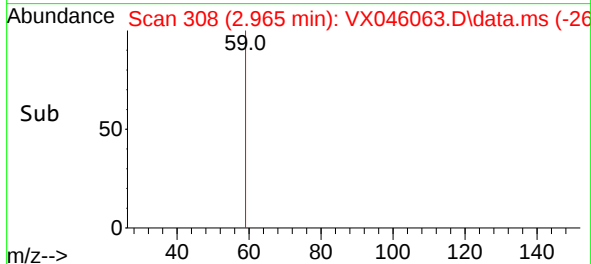
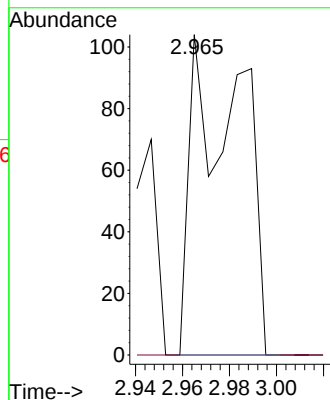
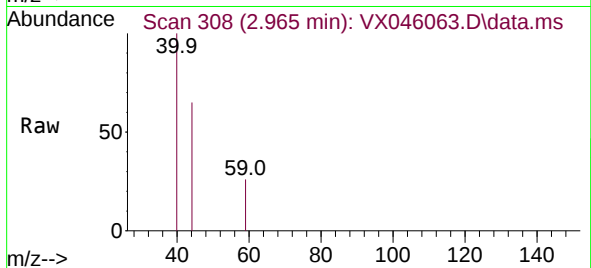
PB167852ZHE#04

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 44.998 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046063.D

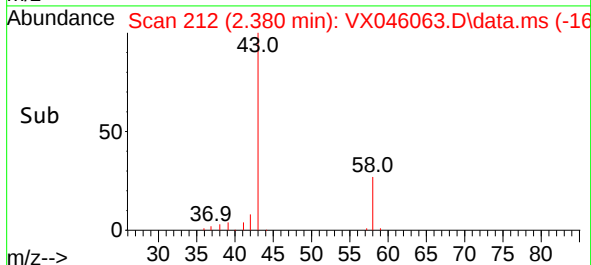
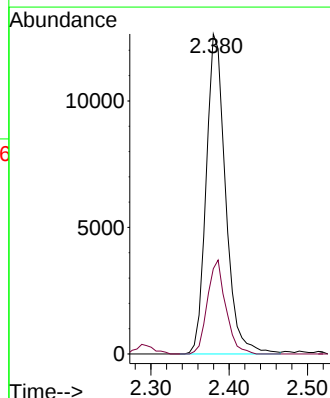
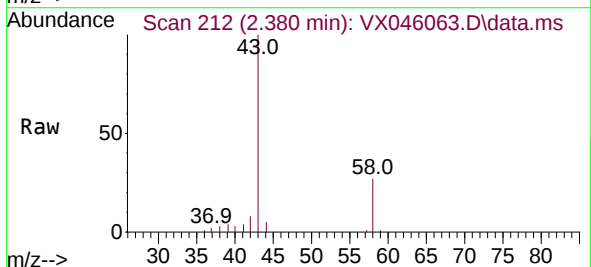
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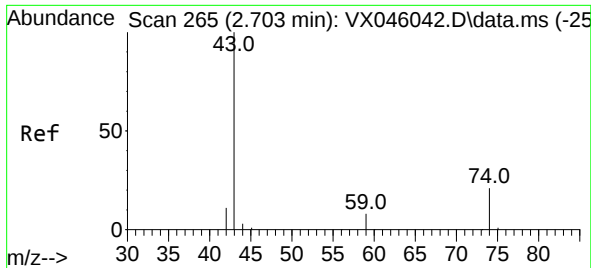
Tgt Ion: 43 Resp: 21728

Ion Ratio Lower Upper

43 100

58 26.6 21.2 31.8





#18

Methyl Acetate

Concen: 1.829 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX046063.D

Acq: 06 May 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

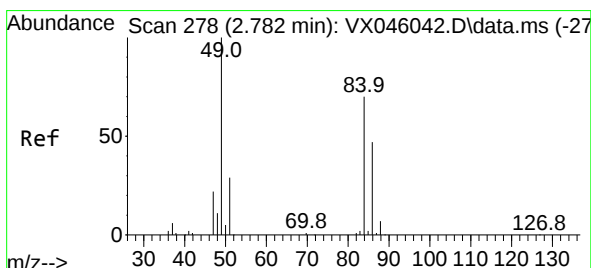
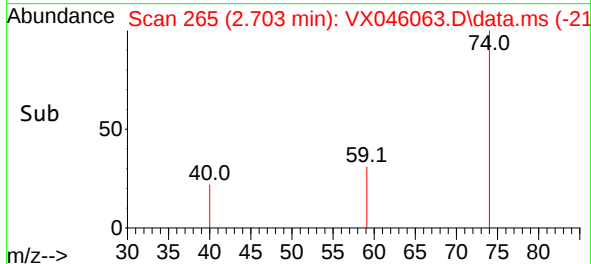
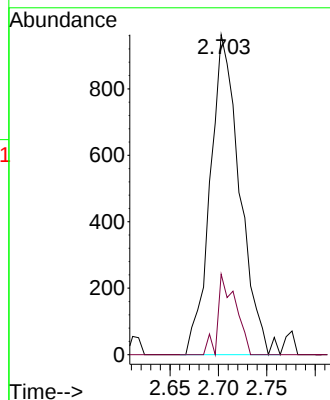
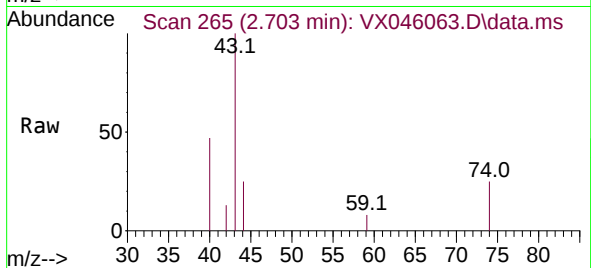
PB167852ZHE#04

Tgt Ion: 43 Resp: 2049

Ion Ratio Lower Upper

43 100

74 15.2 16.7 25.1#



#20

Methylene Chloride

Concen: 3.398 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046063.D

Acq: 06 May 2025 14:58

Tgt Ion: 84 Resp: 3144

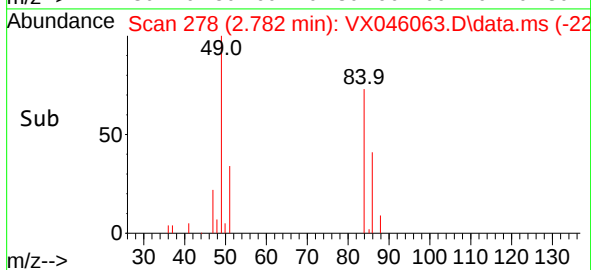
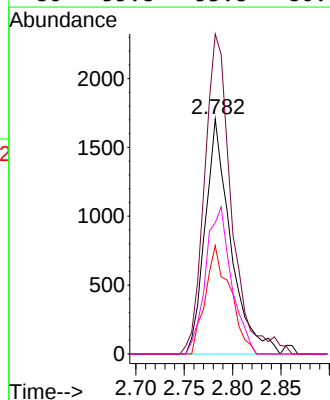
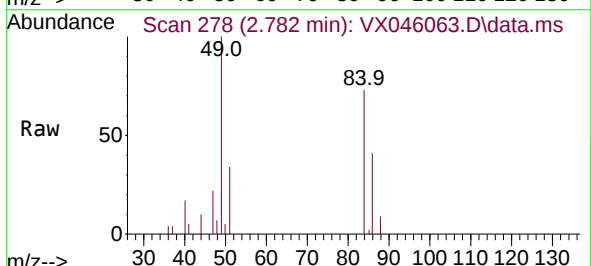
Ion Ratio Lower Upper

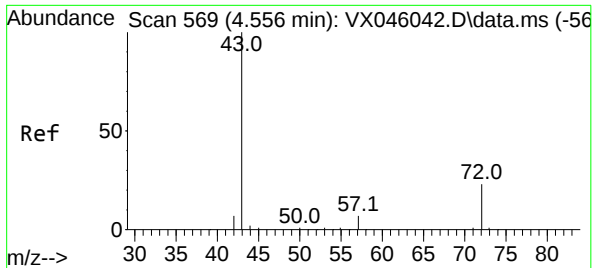
84 100

49 136.1 113.9 170.9

51 46.0 33.5 50.3

86 55.8 53.8 80.8

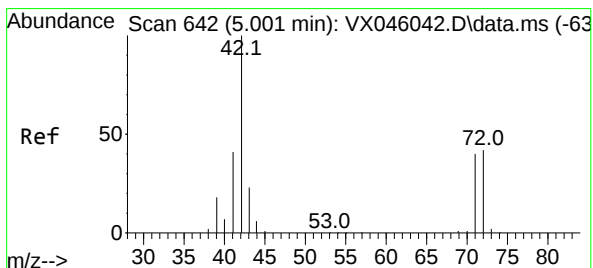
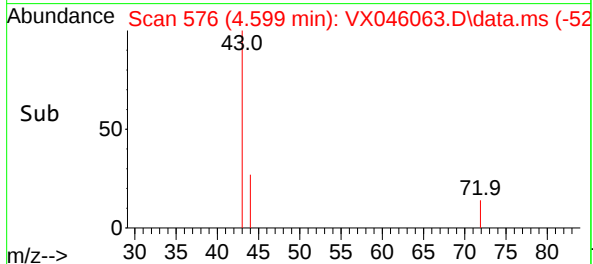
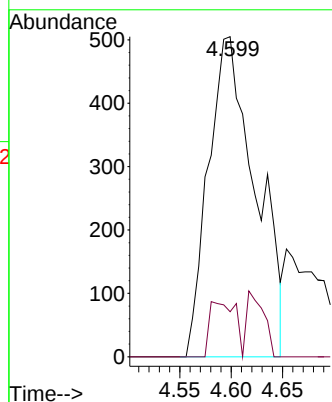
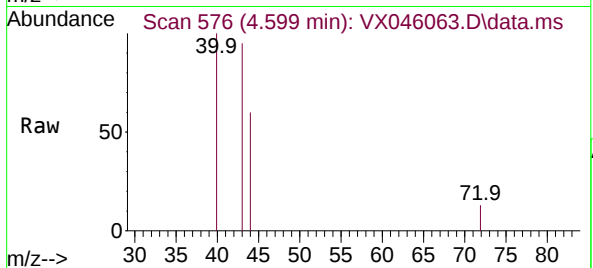




#25
2-Butanone
Concen: 2.295 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

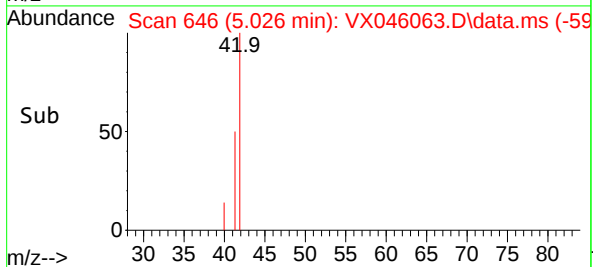
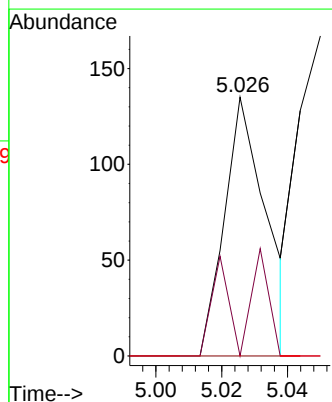
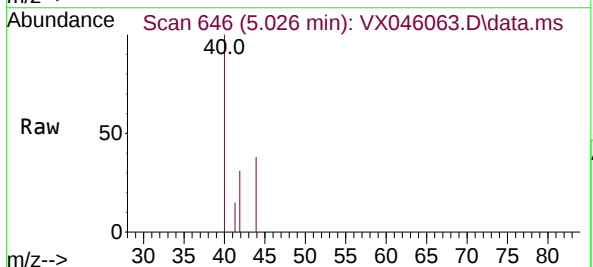
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

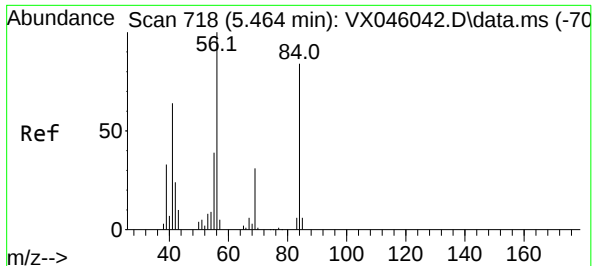
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 14.1 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.271 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

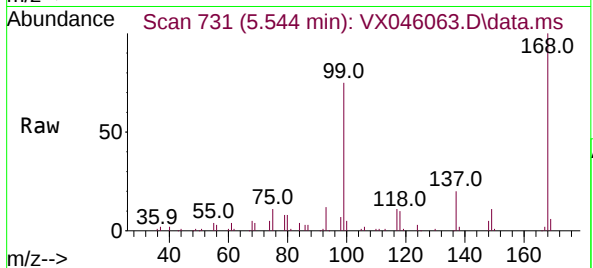
Tgt Ion: 42 Resp: 119
Ion Ratio Lower Upper
42 100
72 33.6 33.7 50.5#
71 0.0 31.4 47.2#



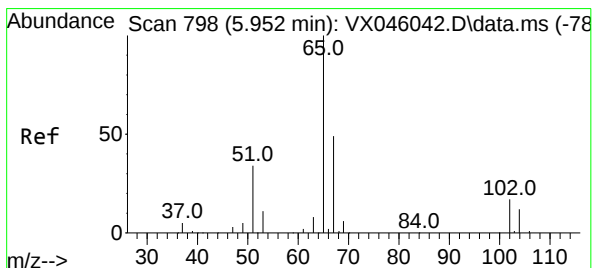
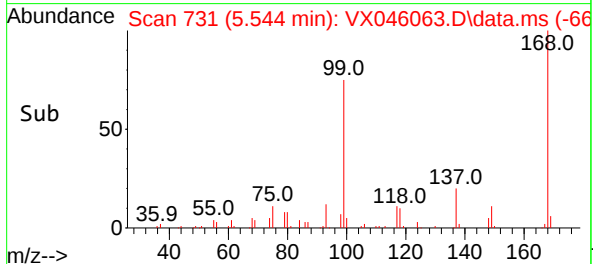
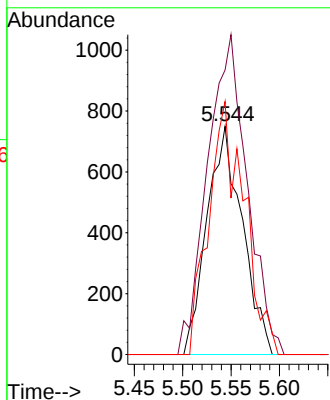


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

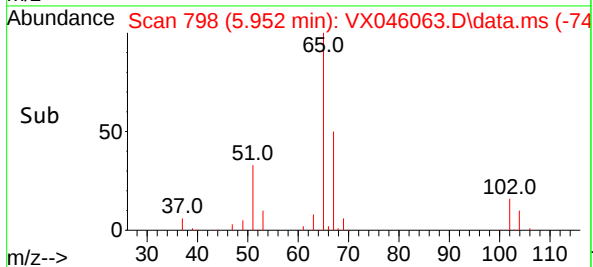
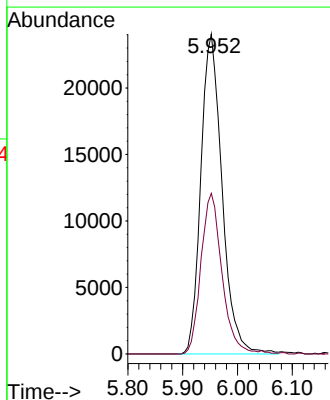
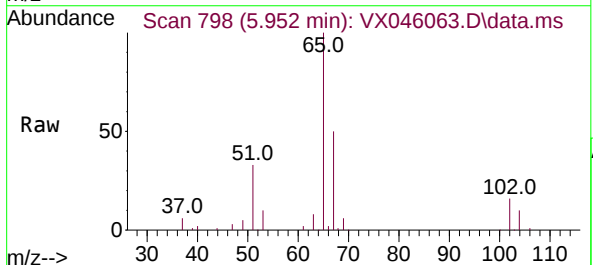


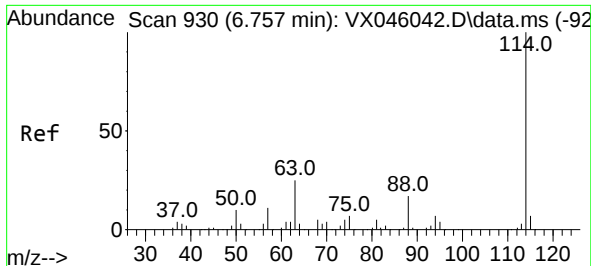
Tgt Ion: 56 Resp: 1908
Ion Ratio Lower Upper
56 100
69 124.7 24.4 36.6#
84 110.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.701 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 65 Resp: 64672
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0

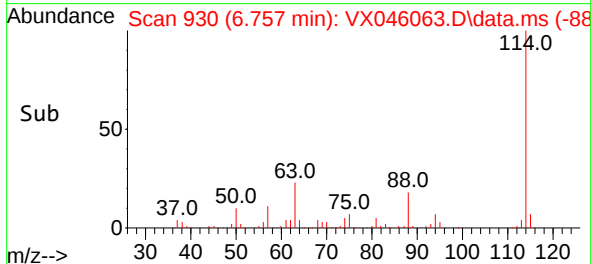
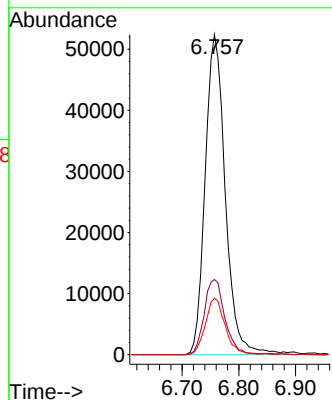
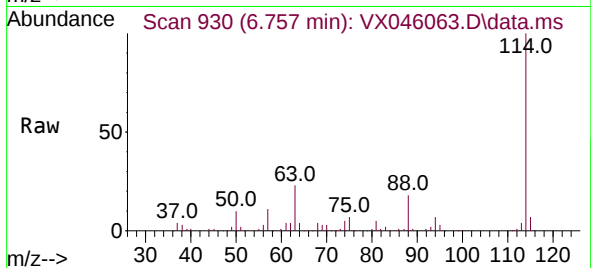




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

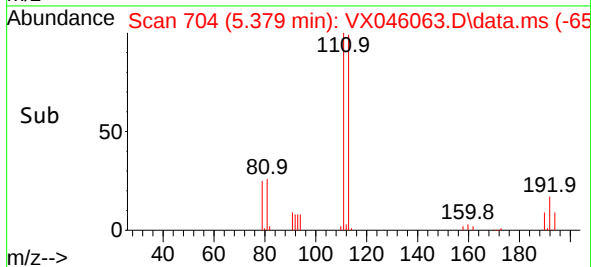
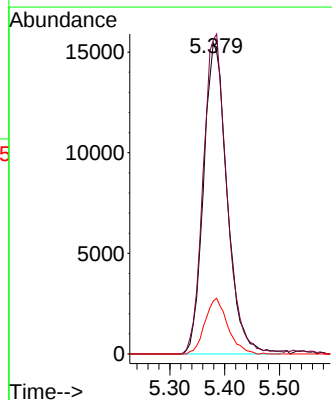
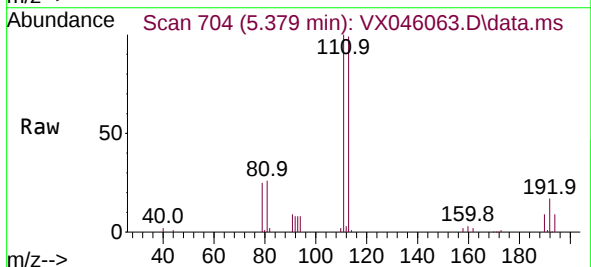
Instrument :
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Tgt Ion:114 Resp: 128748
Ion Ratio Lower Upper
114 100
63 23.5 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.855 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion:113 Resp: 46222
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 17.2 13.3 19.9

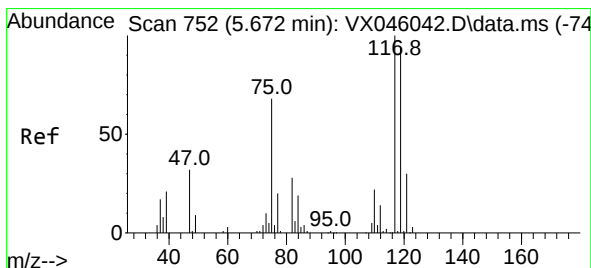
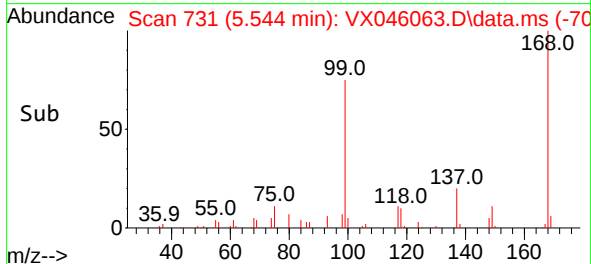
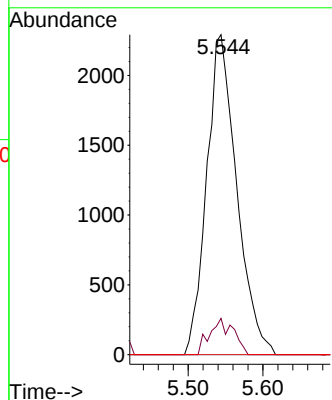
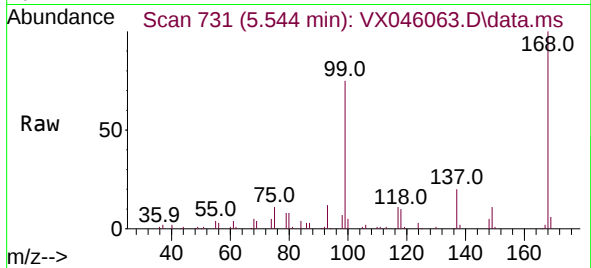




#36
1,1-Dichloropropene
Concen: 5.147 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

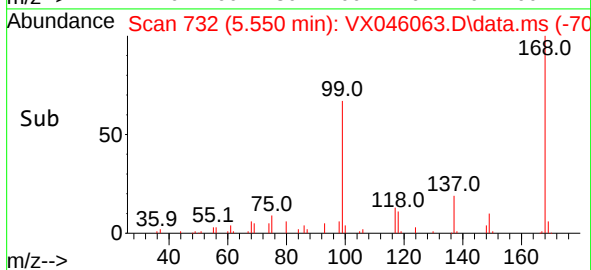
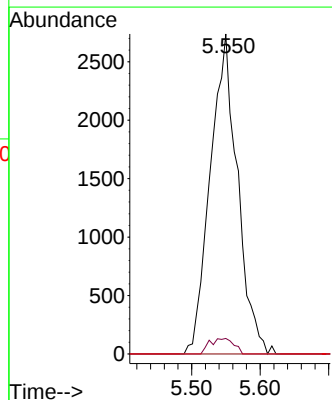
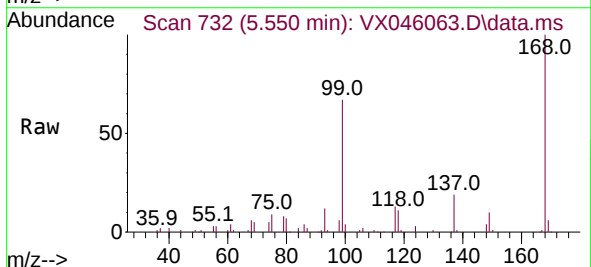
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

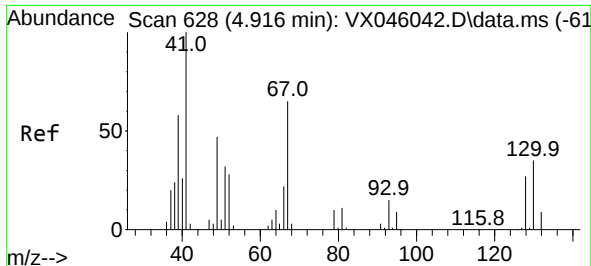
Tgt Ion: 75 Resp: 6412
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 117 Resp: 7566
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#

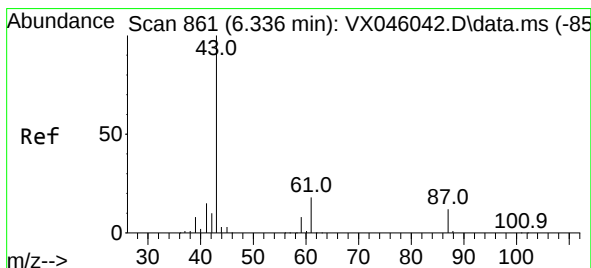
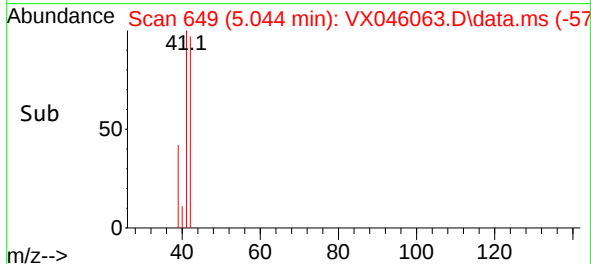
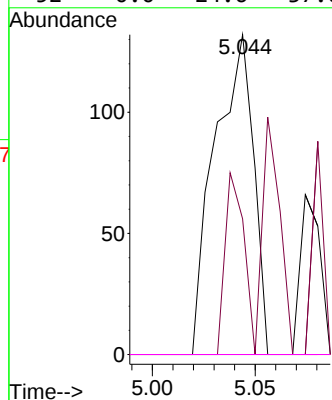
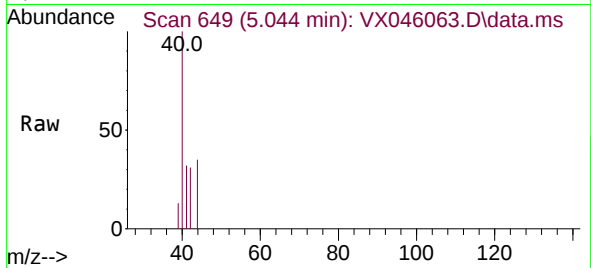




#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

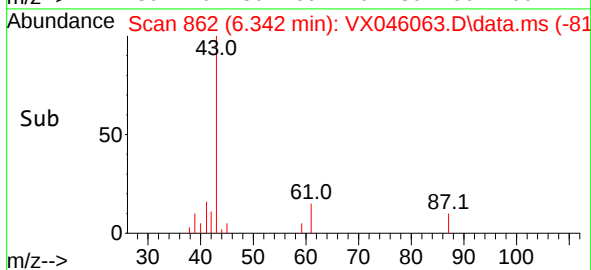
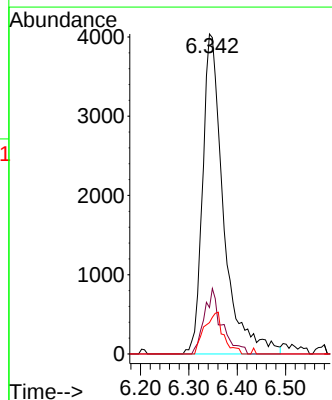
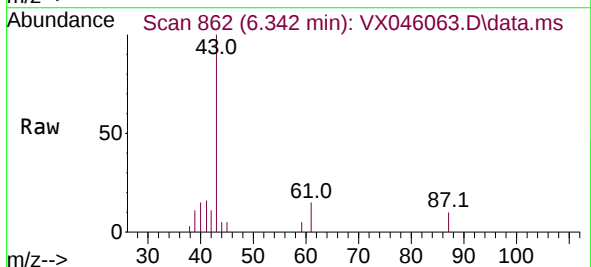
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

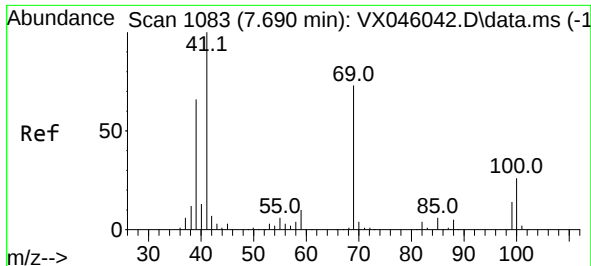
Tgt Ion:	41	Resp:	173
Ion	Ratio	Lower	Upper
41	100		
39	27.7	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 5.179 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion:	43	Resp:	12159
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.3	21.5
87	11.7	9.5	14.3

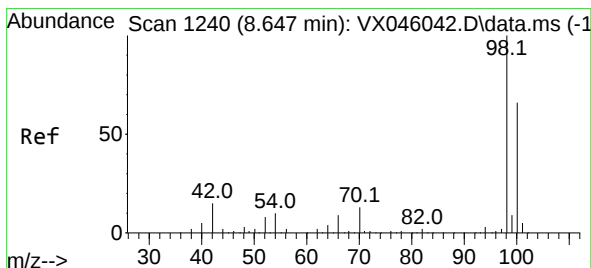
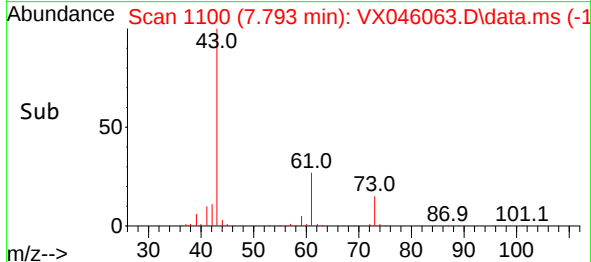
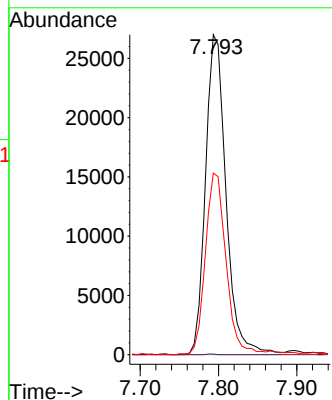
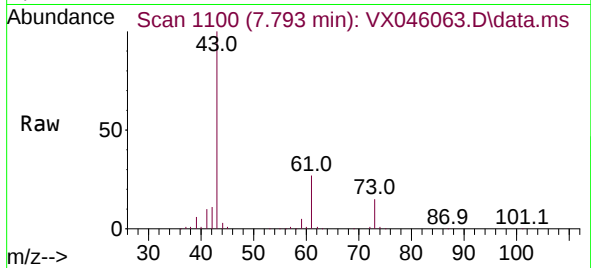




#48
Methyl methacrylate
Concen: 40.875 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

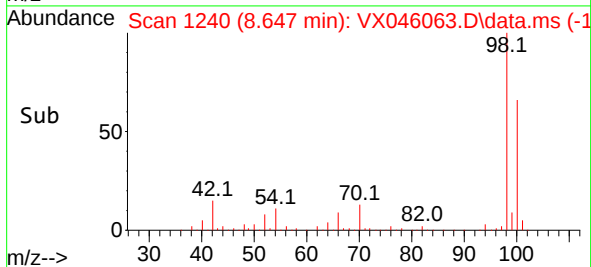
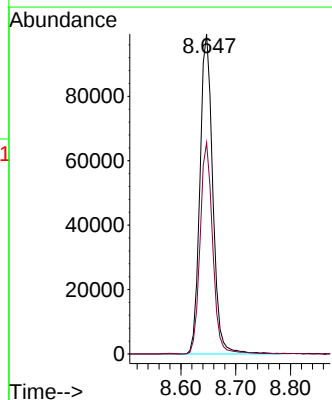
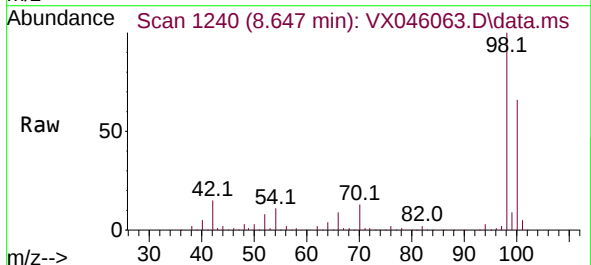
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

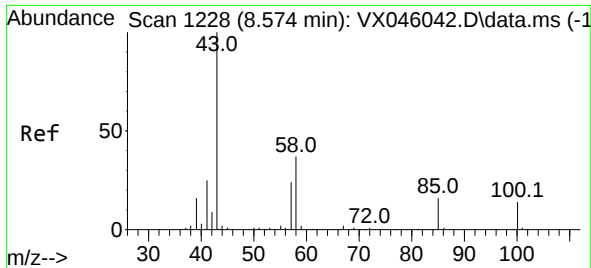
Tgt Ion: 41 Resp: 49013
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 58.3 51.7 77.5



#50
Toluene-d8
Concen: 50.489 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 98 Resp: 162013
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

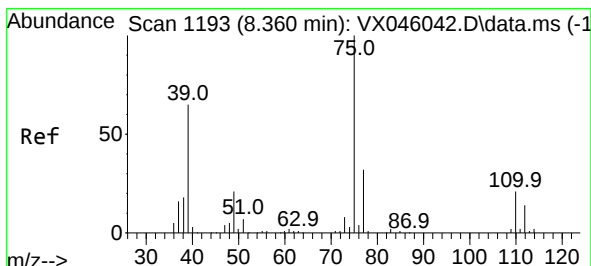
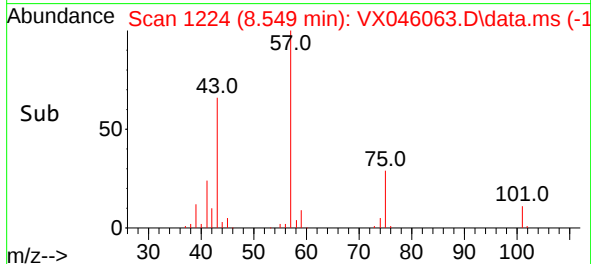
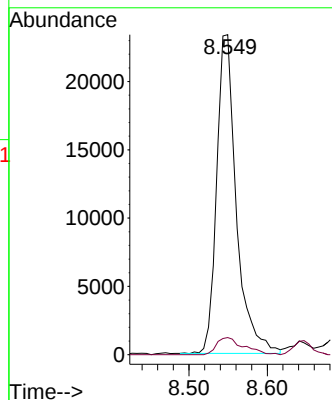
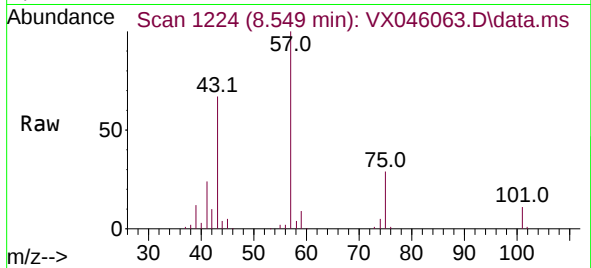




#51
4-Methyl-2-Pentanone
Concen: 26.215 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

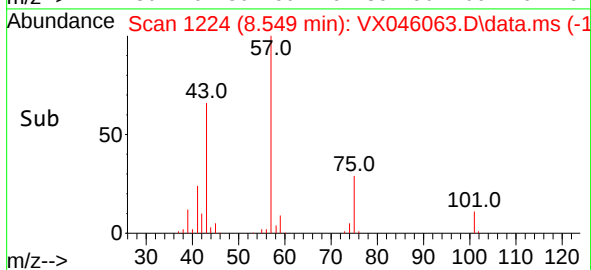
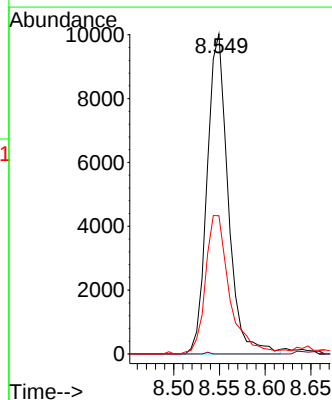
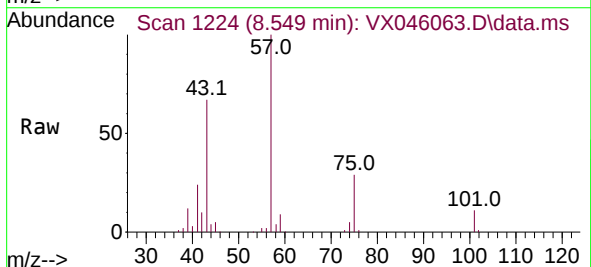
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

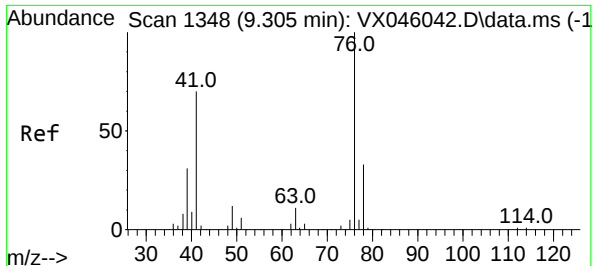
Tgt Ion: 43 Resp: 40856
Ion Ratio Lower Upper
43 100
58 7.4 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.562 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 75 Resp: 16008
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 43.2 52.2 78.4#

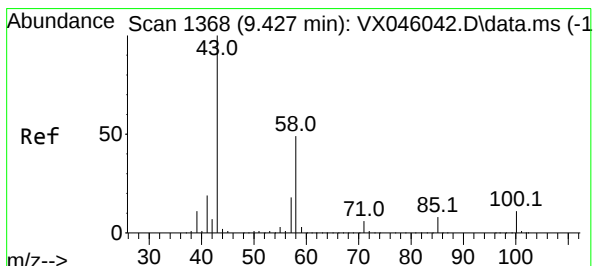
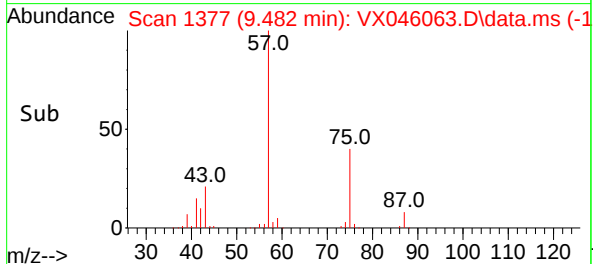
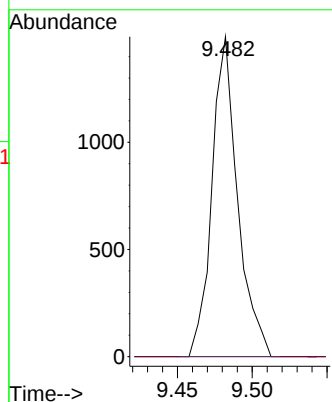
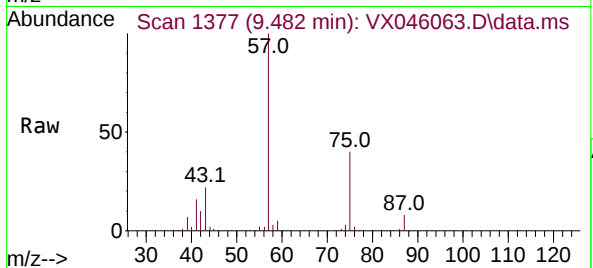




#57
1,3-Dichloropropane
Concen: 1.125 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

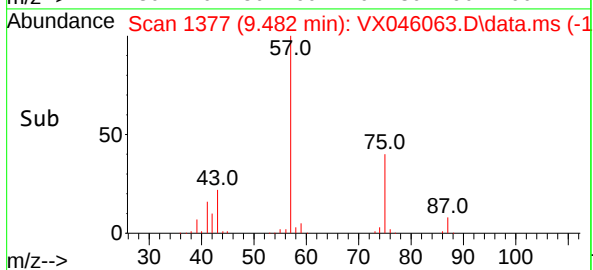
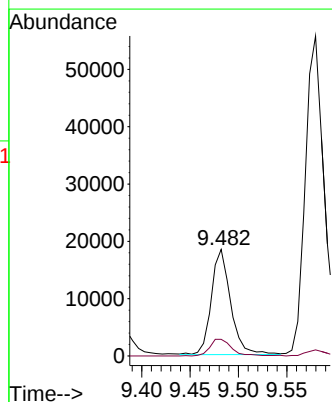
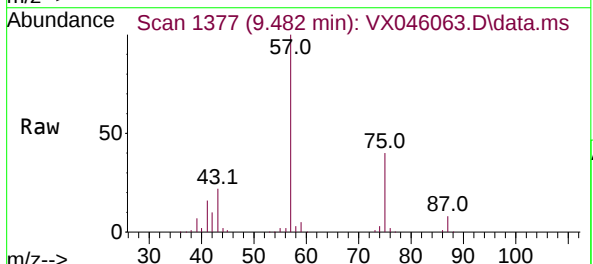
Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

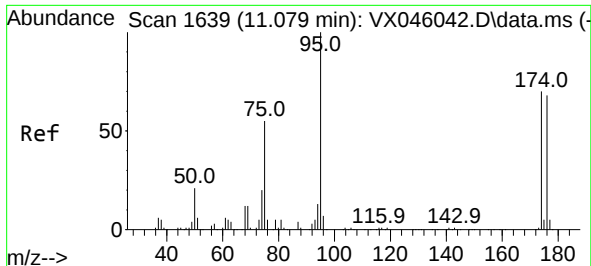
Tgt Ion: 76 Resp: 1783
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 22.185 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 43 Resp: 25580
Ion Ratio Lower Upper
43 100
58 18.3 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 51.576 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046063.D

Acq: 06 May 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

PB167852ZHE#04

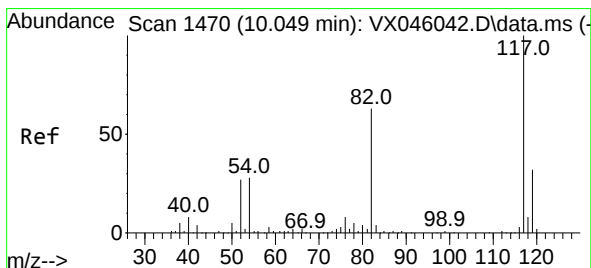
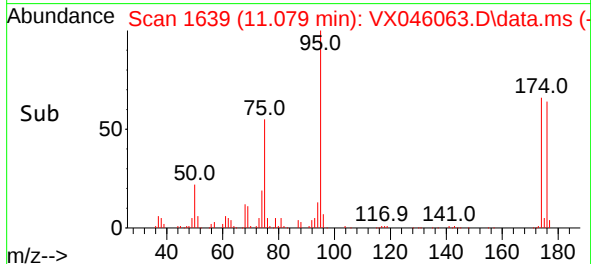
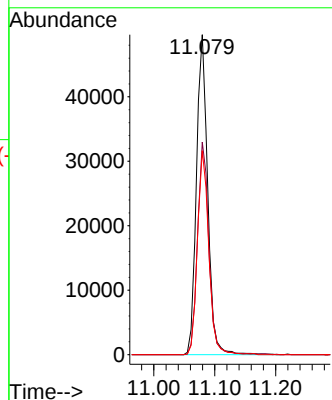
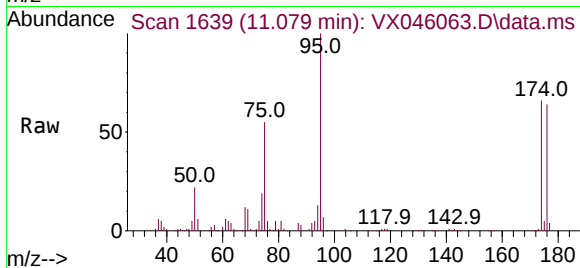
Tgt Ion: 95 Resp: 63484

Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 64.3 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: VX046063.D

Acq: 06 May 2025 14:58

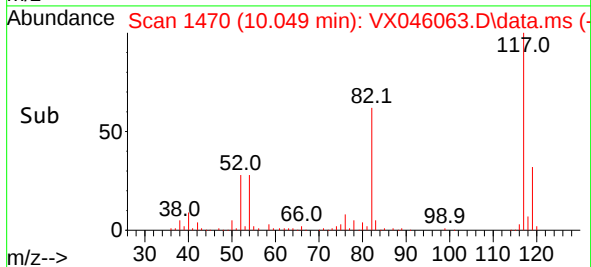
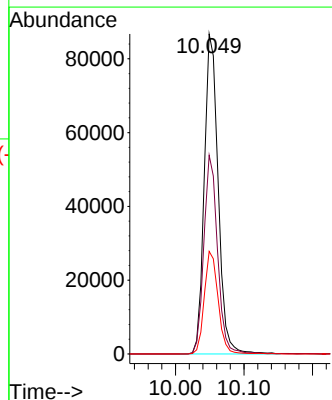
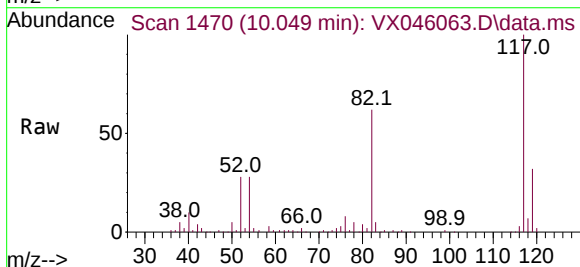
Tgt Ion: 117 Resp: 122702

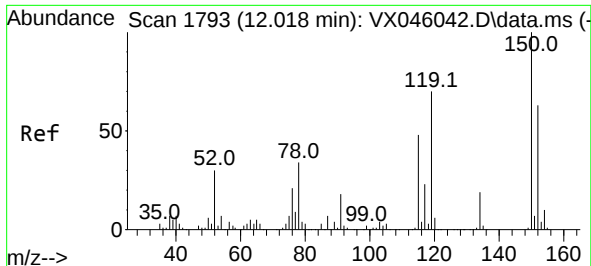
Ion Ratio Lower Upper

117 100

82 62.1 50.6 76.0

119 32.1 25.8 38.6

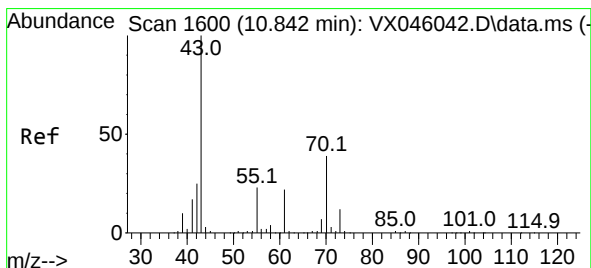
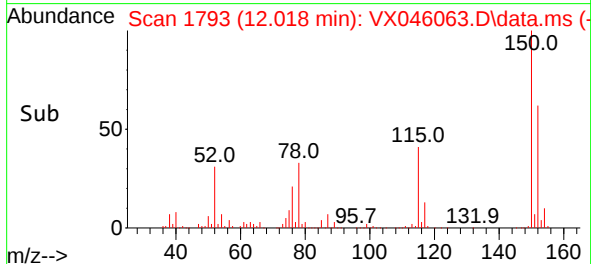
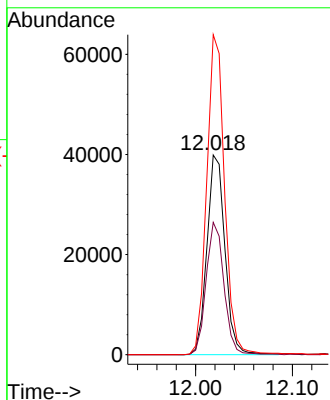
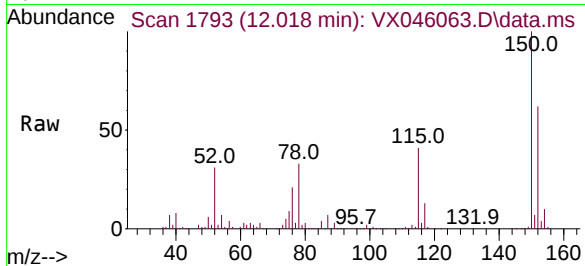




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX046063.D
 Acq: 06 May 2025 14:58

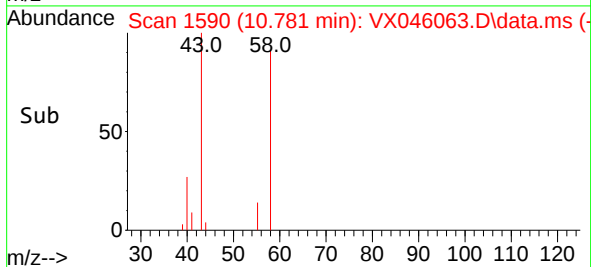
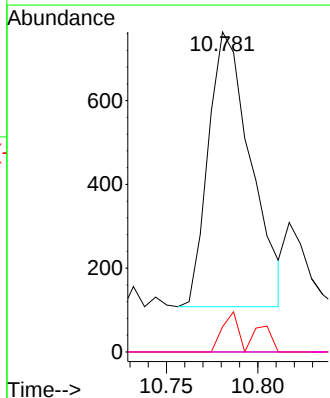
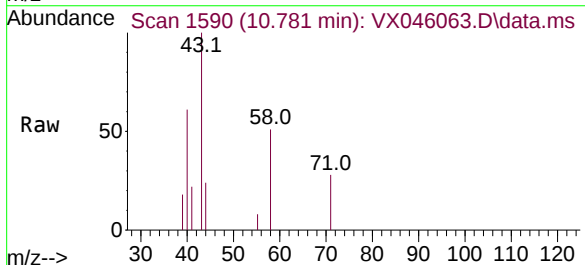
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167852ZHE#04

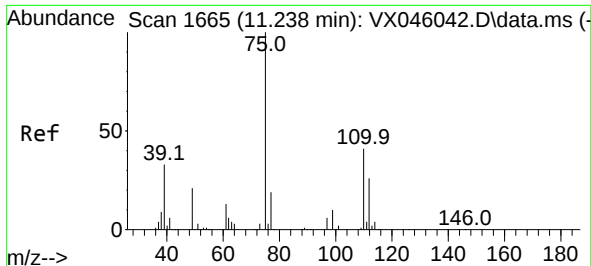
Tgt Ion:152 Resp: 51734
 Ion Ratio Lower Upper
 152 100
 115 65.6 46.9 140.7
 150 159.1 0.0 351.0



#74
 N-ethyl acetate
 Concen: 0.533 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX046063.D
 Acq: 06 May 2025 14:58

Tgt Ion: 43 Resp: 1060
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 5.4 18.7 28.1#
 61 0.0 17.1 25.7#

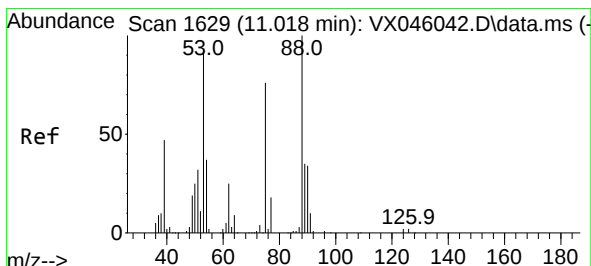
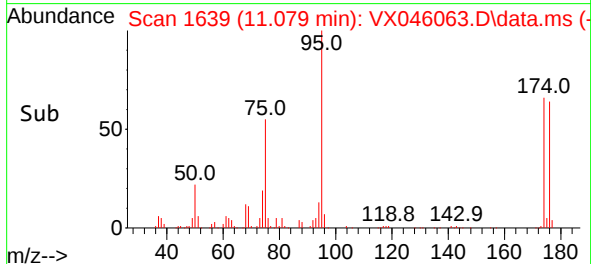
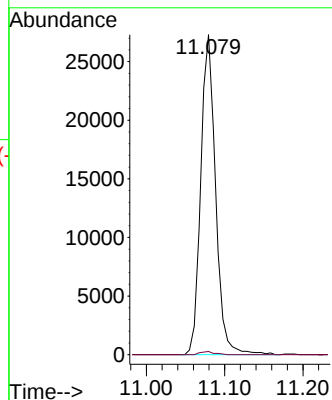
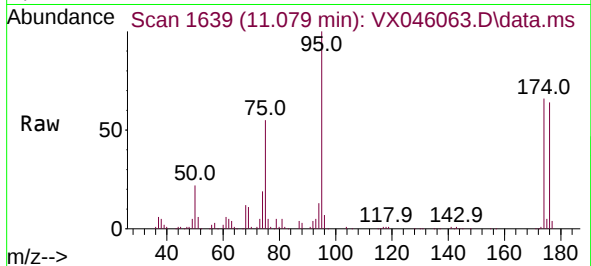




#76
1,2,3-Trichloropropane
Concen: 28.888 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
PB167852ZHE#04

Tgt Ion: 75 Resp: 35973
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046063.D
Acq: 06 May 2025 14:58

Tgt Ion: 75 Resp: 35973
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

