

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045924.D
 Acq On : 24 Apr 2025 14:00
 Operator : JC/MD
 Sample : PB167707ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#05

Quant Time: Apr 25 02:27:04 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

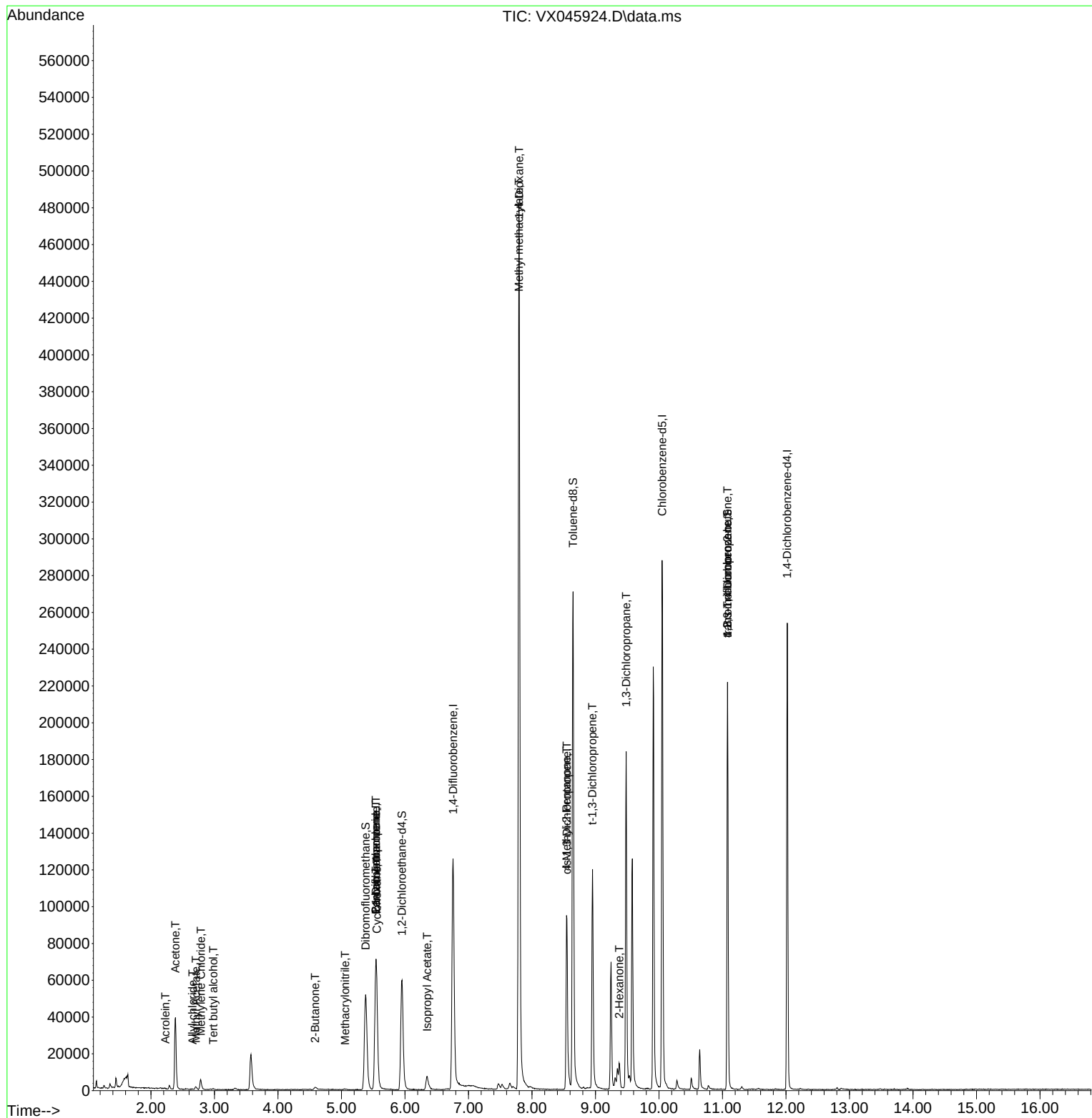
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	61492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122516	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62205	55.317	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.640%	
35) Dibromofluoromethane	5.379	113	44030	50.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.300%	
50) Toluene-d8	8.647	98	157350	51.862	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	11.079	95	58066	52.541	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.080%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.983	59	571	3.778	ug/l #	72
13) Acrolein	2.227	56	88	0.423	ug/l #	15
14) Allyl chloride	2.654	41	295	0.211	ug/l #	21
16) Acetone	2.386	43	44957	97.359	ug/l	97
18) Methyl Acetate	2.709	43	2235	2.102	ug/l	93
20) Methylene Chloride	2.788	84	2604	3.012	ug/l	92
25) 2-Butanone	4.587	43	3141	4.647	ug/l	94
31) Cyclohexane	5.556	56	1829	1.326	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	6242	5.318	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7363	5.805	ug/l #	14
41) Methacrylonitrile	5.056	41	176	0.226	ug/l #	45
43) Isopropyl Acetate	6.349	43	11085	4.945	ug/l	99
48) Methyl methacrylate	7.793	41	47228	40.804	ug/l #	50
49) 1,4-Dioxane	7.799	88	21	1.003	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	39910	26.856	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	252	2.472	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14964	11.614	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1457	0.968	ug/l #	42
59) 2-Hexanone	9.372	43	12915	11.736	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	33952	29.350	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33952	99.611	ug/l #	1

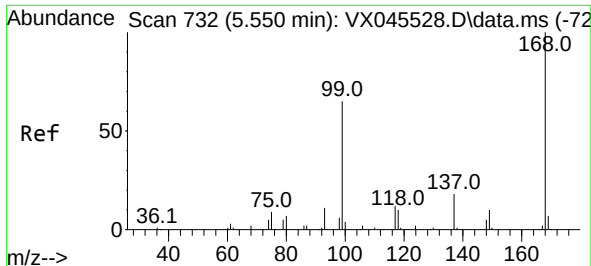
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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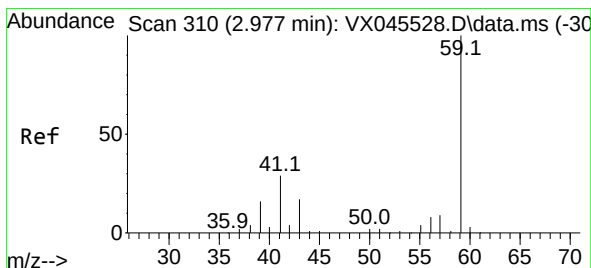
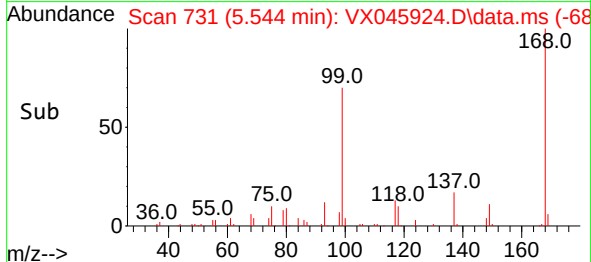
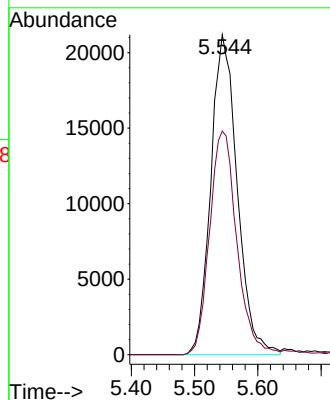
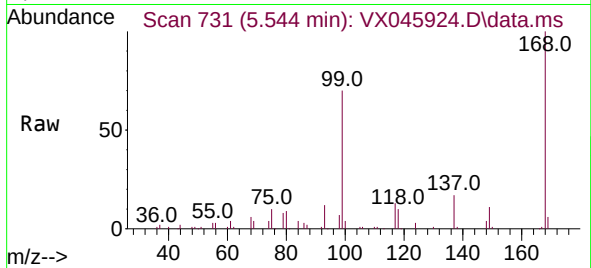




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

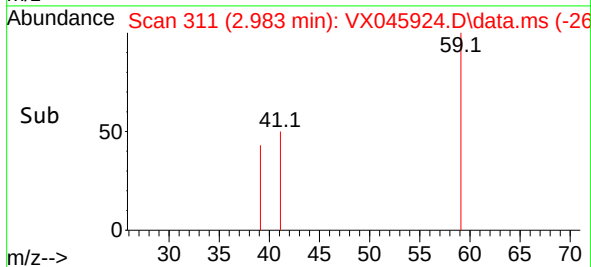
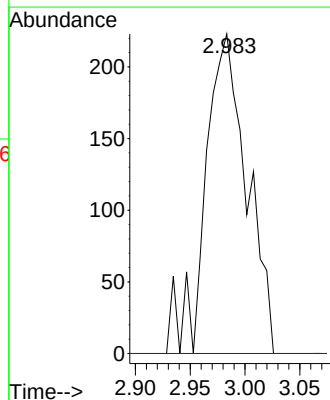
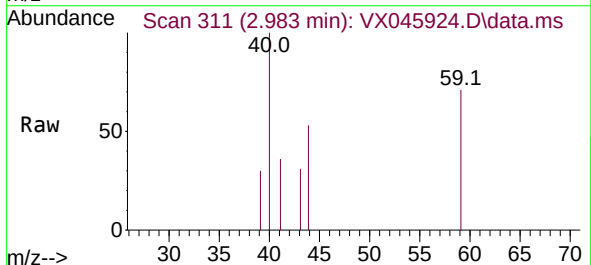
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

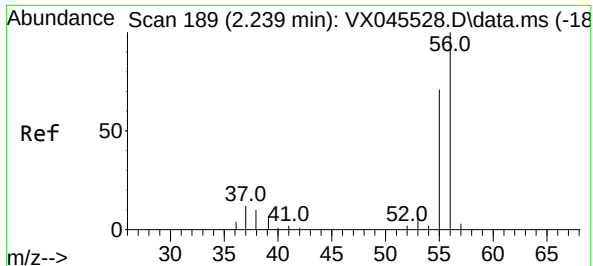
Tgt Ion:168 Resp: 61492
Ion Ratio Lower Upper
168 100
99 69.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.778 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

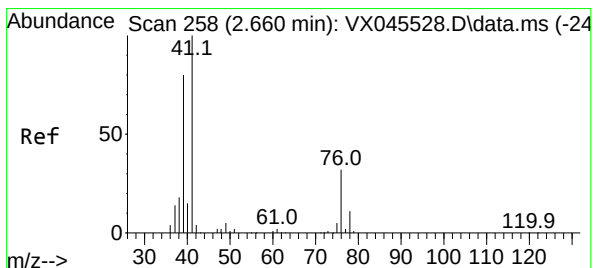
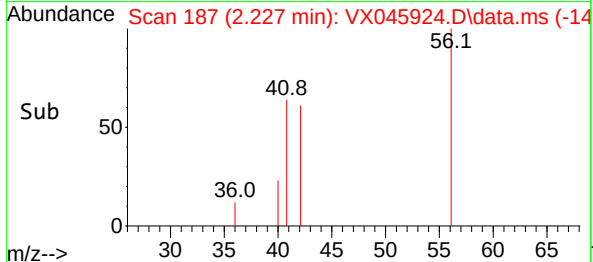
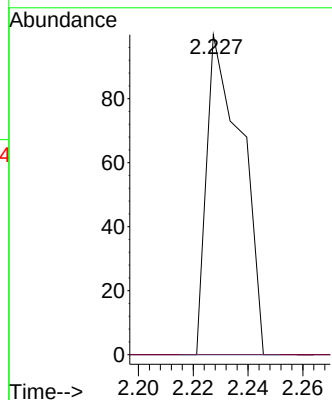
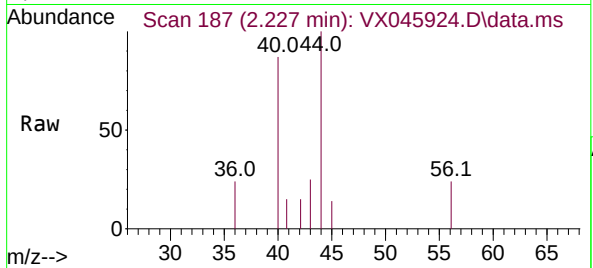




#13
Acrolein
Concen: 0.423 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

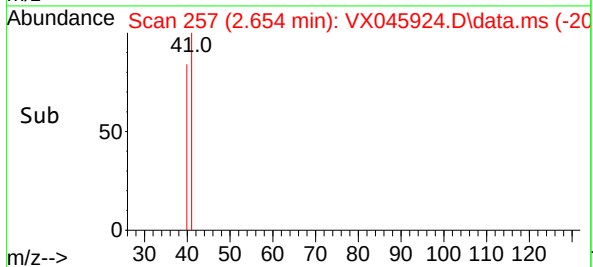
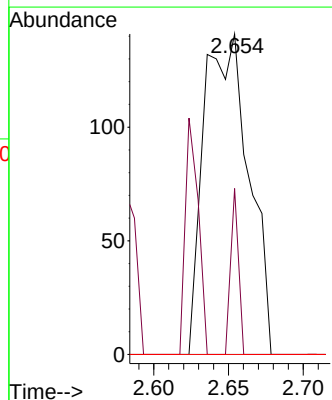
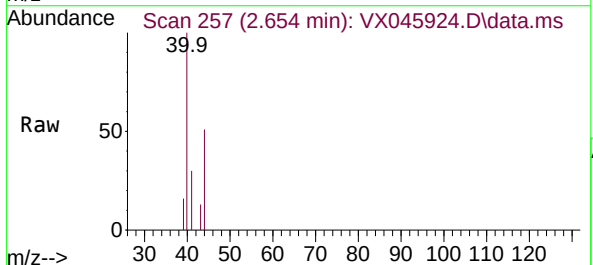
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

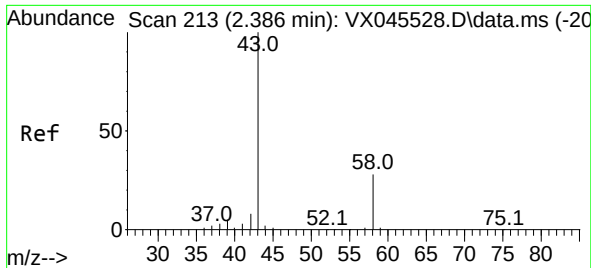
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#14
Allyl chloride
Concen: 0.211 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 41 Resp: 295
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.2#
76 0.0 24.6 36.8#

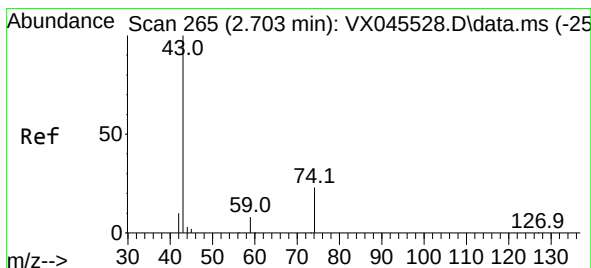
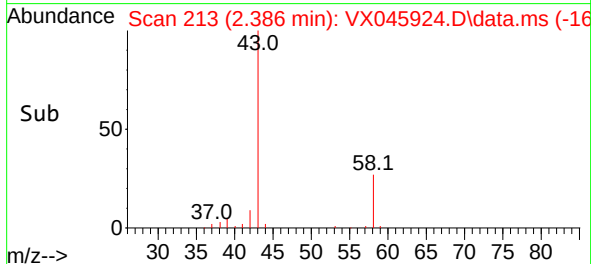
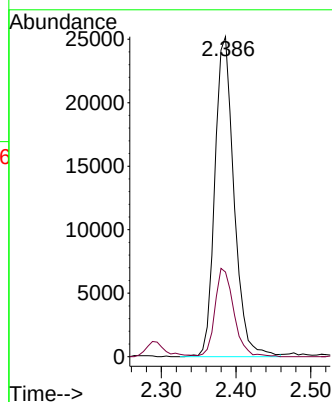
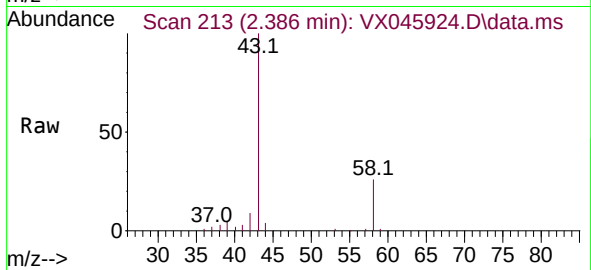




#16
Acetone
Concen: 97.359 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

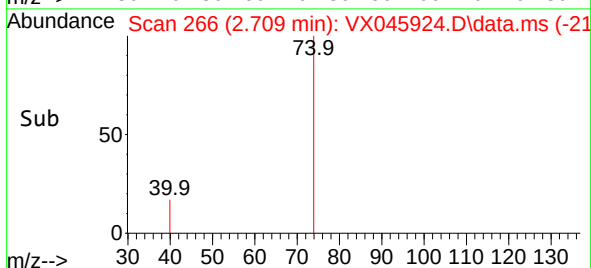
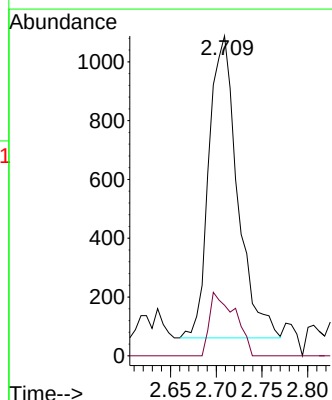
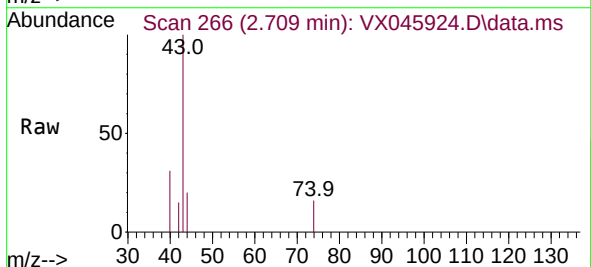
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

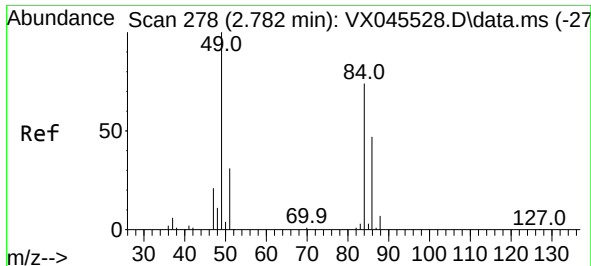
Tgt Ion: 43 Resp: 44957
Ion Ratio Lower Upper
43 100
58 26.5 22.3 33.5



#18
Methyl Acetate
Concen: 2.102 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
74 18.7 17.5 26.3

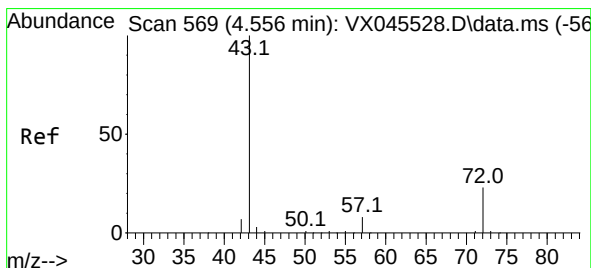
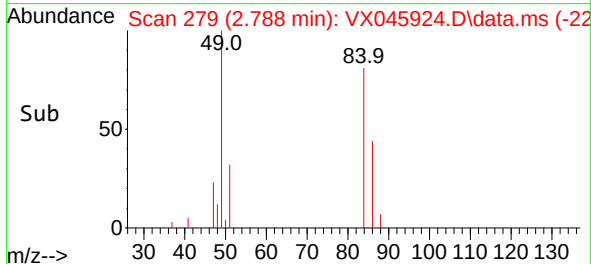
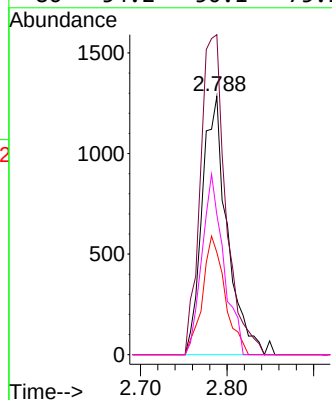
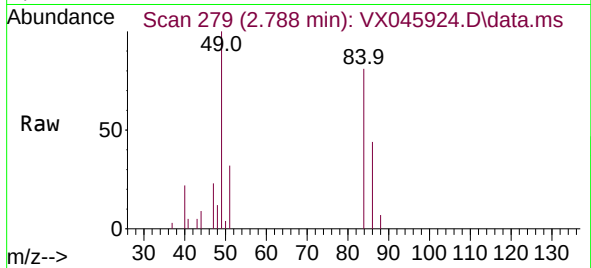




#20
Methylene Chloride
Concen: 3.012 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

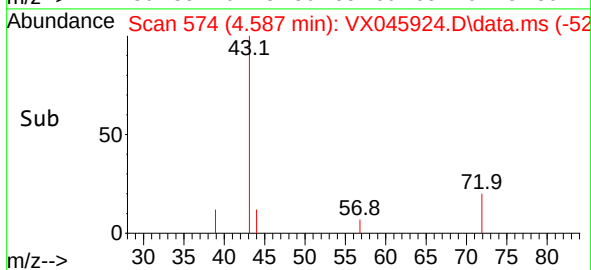
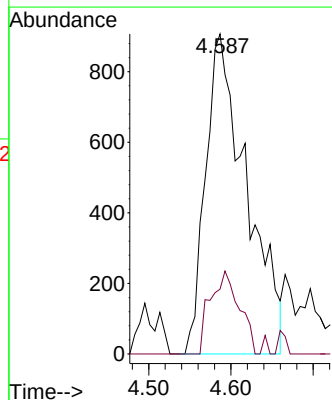
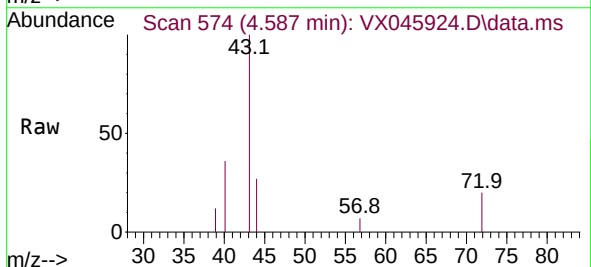
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

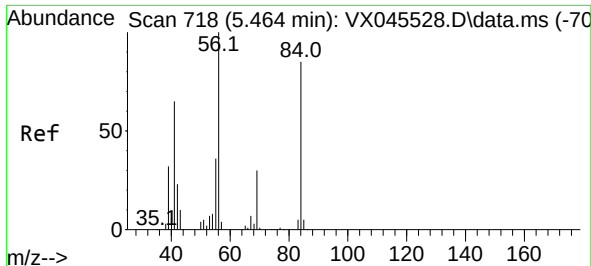
Tgt Ion:	84	Resp:	2604
Ion	Ratio	Lower	Upper
84	100		
49	123.9	107.5	161.3
51	39.6	33.0	49.6
86	54.2	50.1	75.1



#25
2-Butanone
Concen: 4.647 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

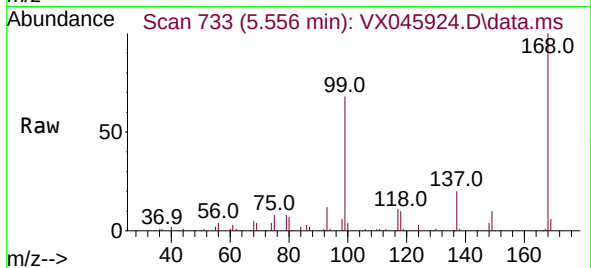
Tgt Ion:	43	Resp:	3141
Ion	Ratio	Lower	Upper
43	100		
72	20.3	18.6	28.0



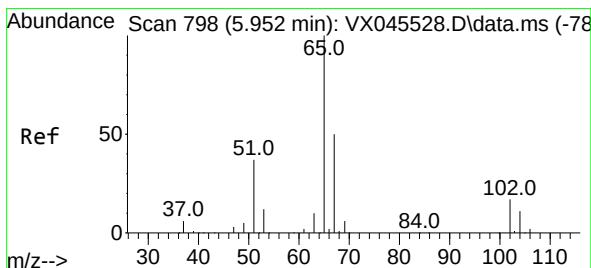
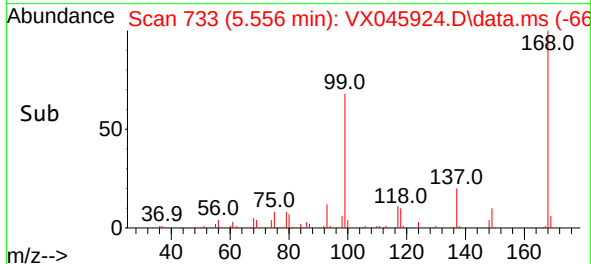
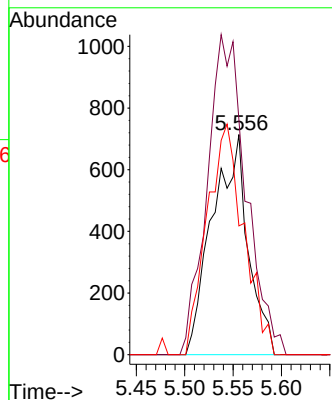


#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

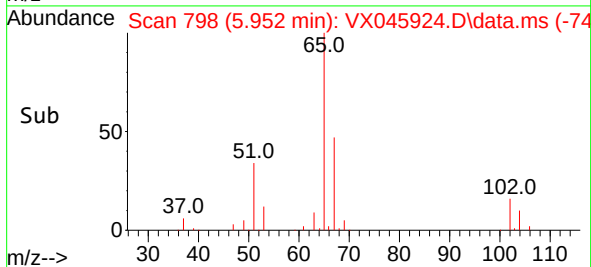
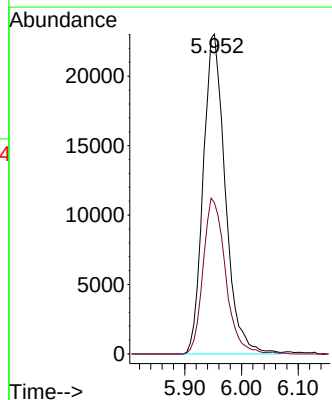
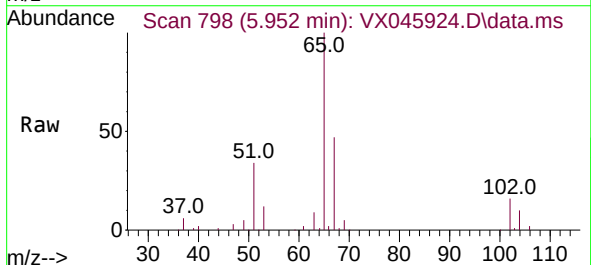


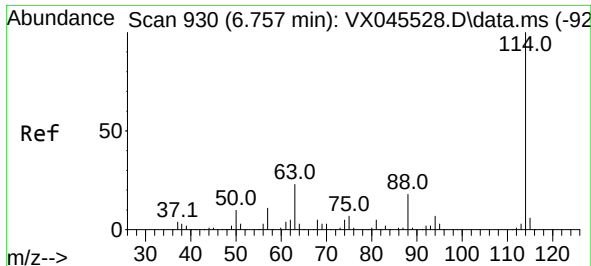
Tgt Ion: 56 Resp: 1829
Ion Ratio Lower Upper
56 100
69 106.7 23.6 35.4#
84 58.5 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.317 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 65 Resp: 62205
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

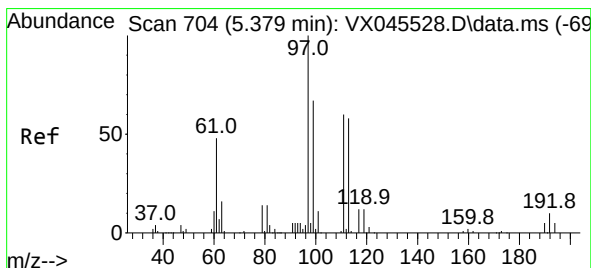
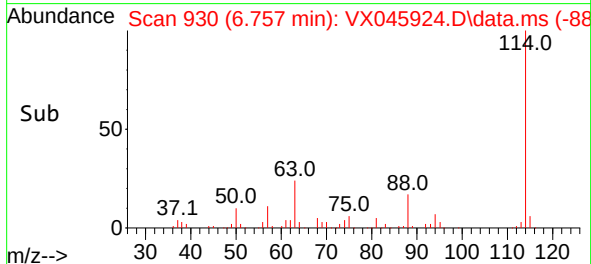
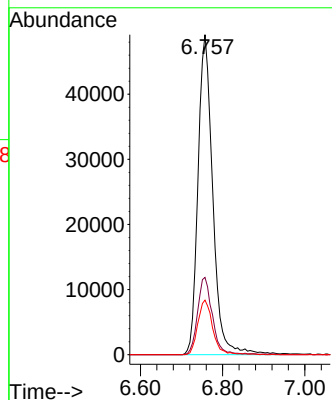
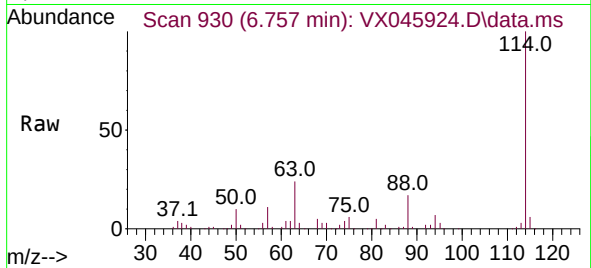




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

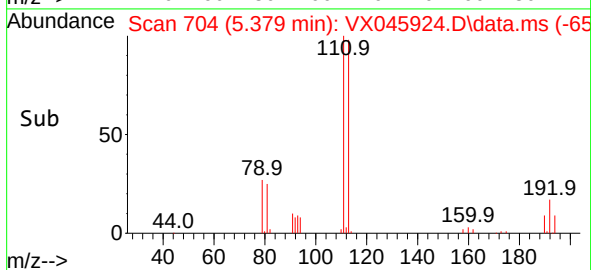
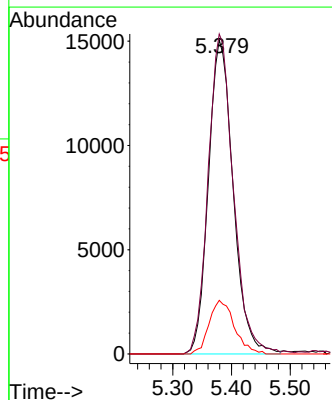
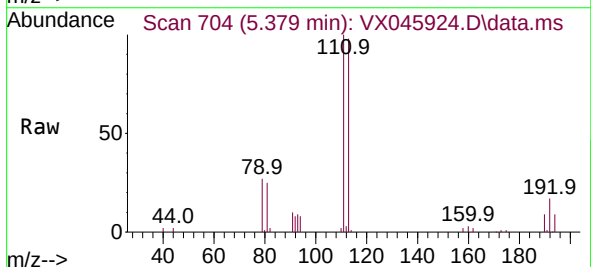
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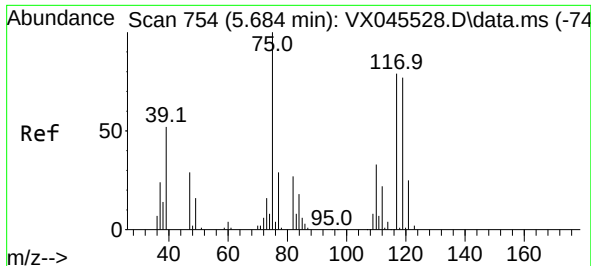
Tgt Ion:114 Resp: 122516
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion:113 Resp: 44030
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.6
192 17.5 13.8 20.6

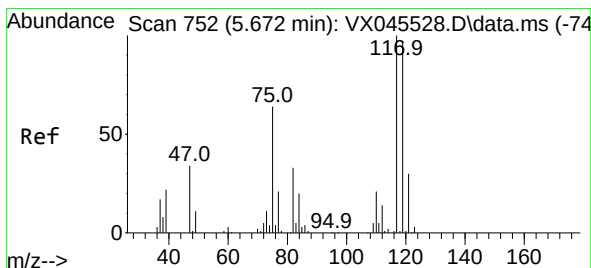
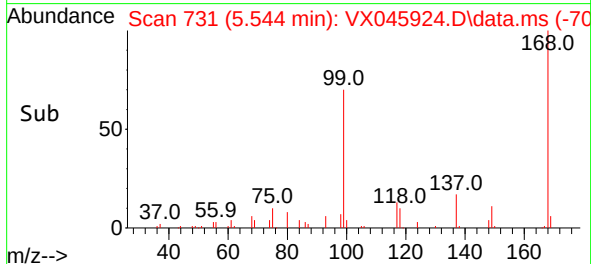
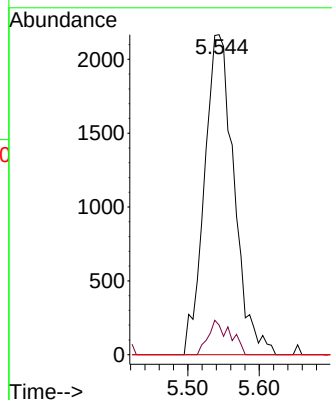
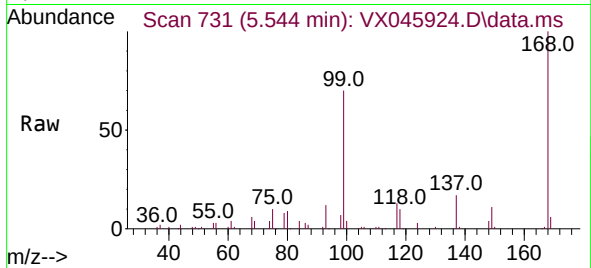




#36
1,1-Dichloropropene
Concen: 5.318 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

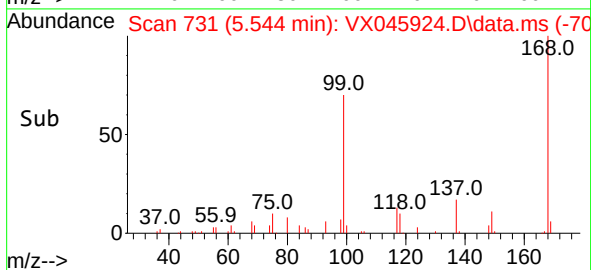
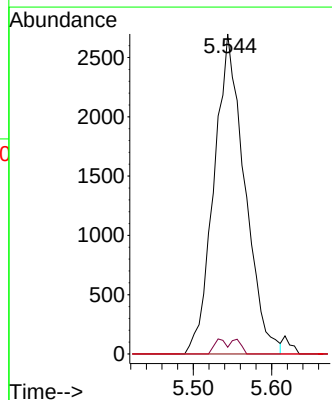
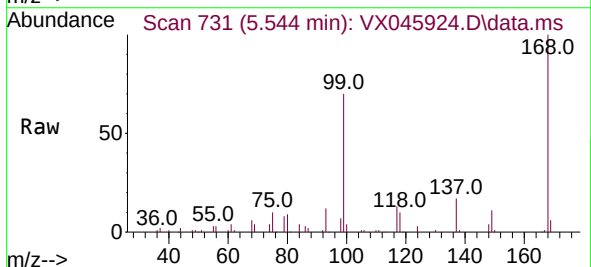
Instrument :
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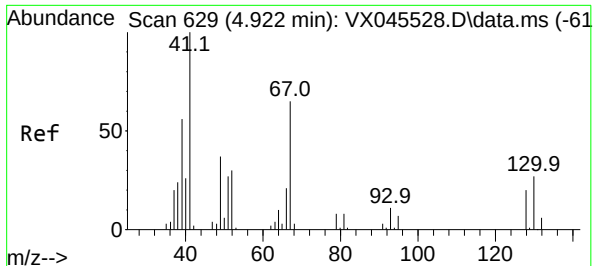
Tgt Ion: 75 Resp: 6242
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 117 Resp: 7363
Ion Ratio Lower Upper
117 100
119 2.1 76.9 115.3#
121 0.0 24.2 36.2#

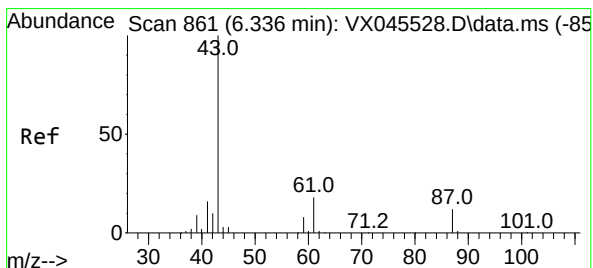
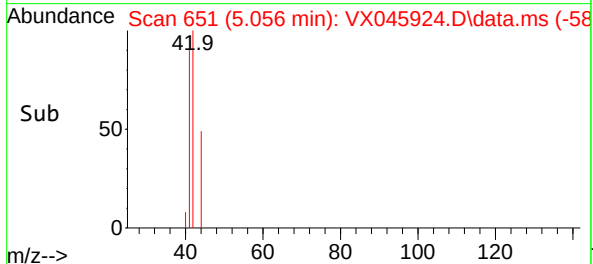
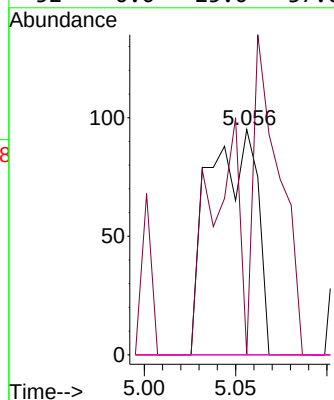
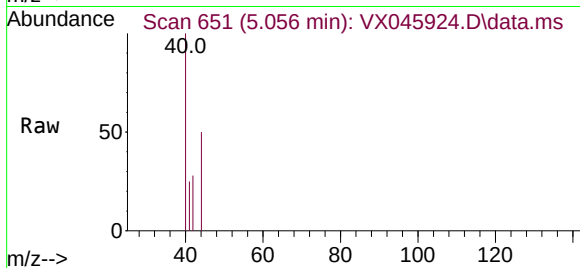




#41
Methacrylonitrile
Concen: 0.226 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.134 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

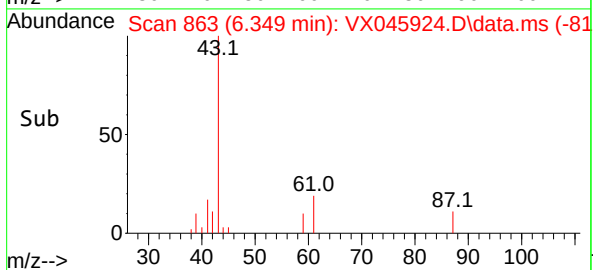
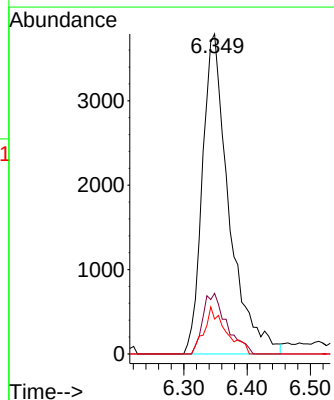
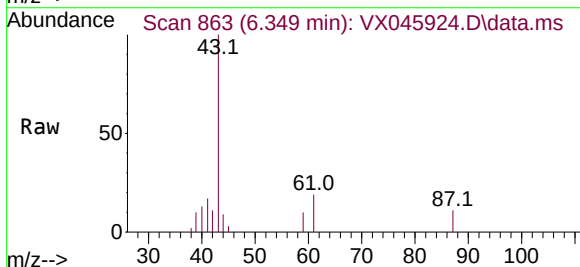
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

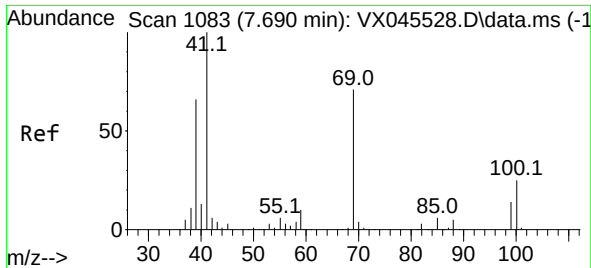
Tgt Ion:	41	Resp:	176
Ion	Ratio	Lower	Upper
41	100		
39	75.6	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 4.945 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion:	43	Resp:	11085
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.1	21.1
87	12.1	9.2	13.8

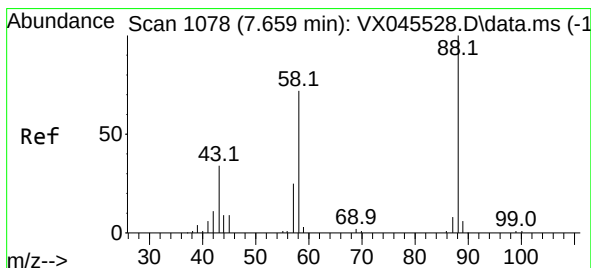
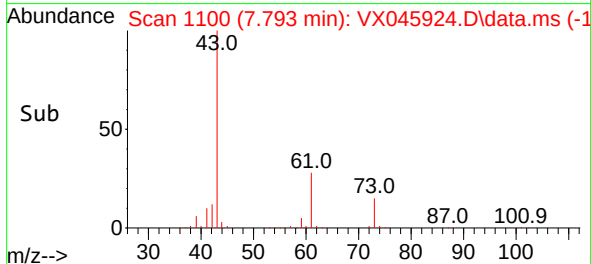
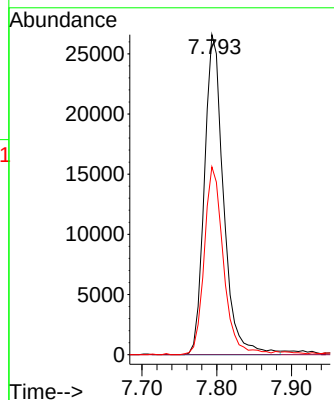
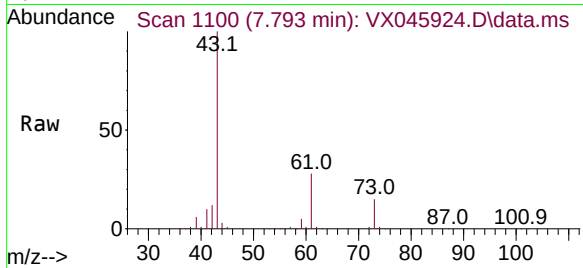




#48
Methyl methacrylate
Concen: 40.804 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

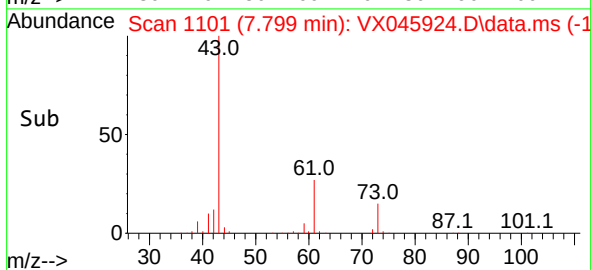
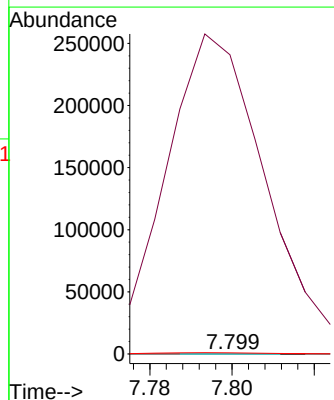
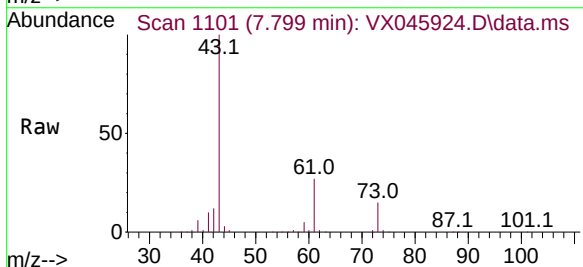
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

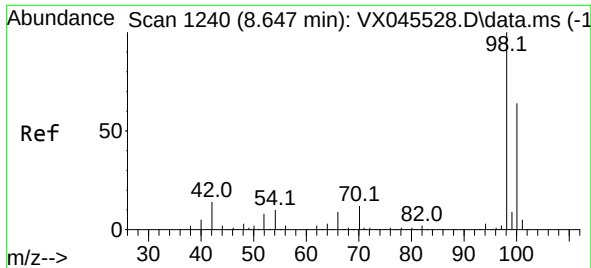
Tgt Ion: 41 Resp: 47228
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4



#49
1,4-Dioxane
Concen: 1.003 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2182309.5 32.2 48.4#
58 9581.0 58.6 88.0#

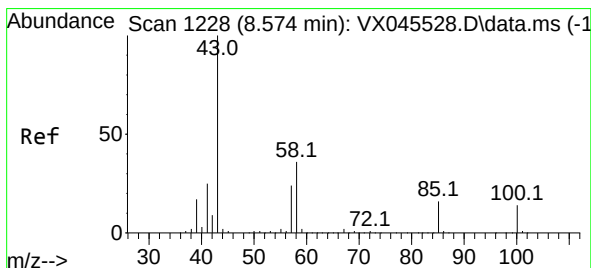
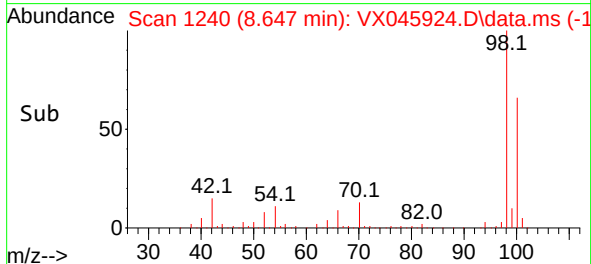
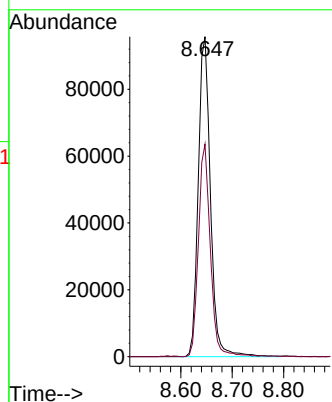
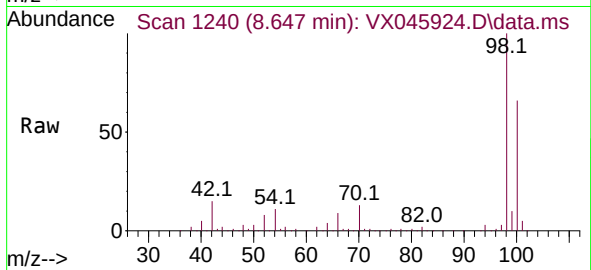




#50
Toluene-d8
Concen: 51.862 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

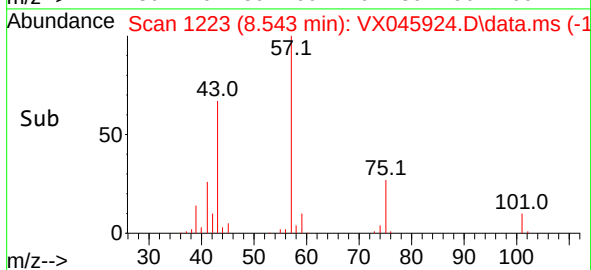
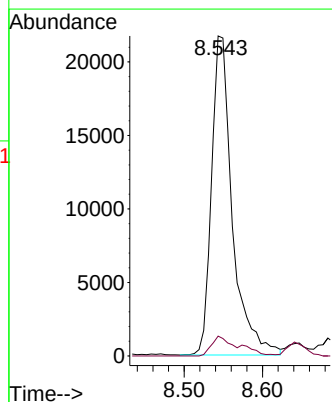
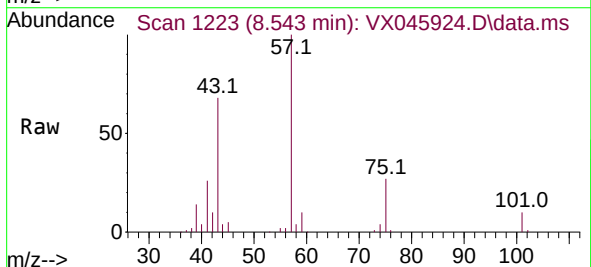
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05

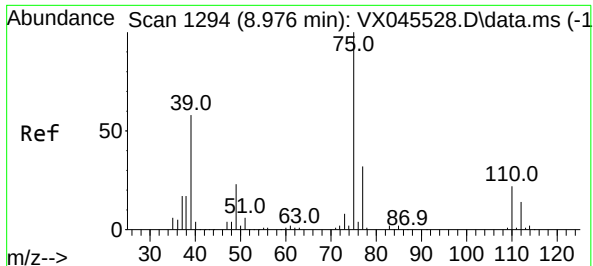
Tgt Ion: 98 Resp: 157350
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 26.856 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Tgt Ion: 43 Resp: 39910
Ion Ratio Lower Upper
43 100
58 5.7 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.472 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045924.D

Acq: 24 Apr 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

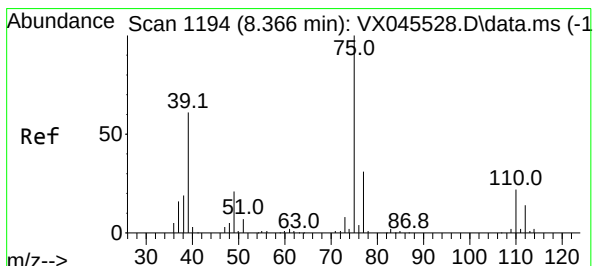
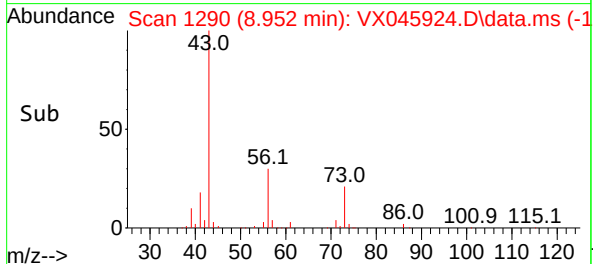
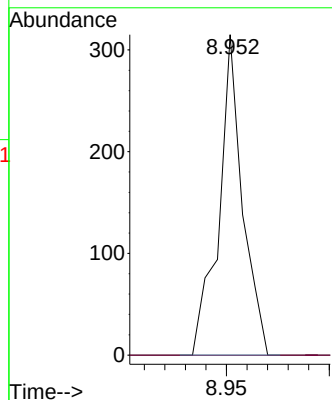
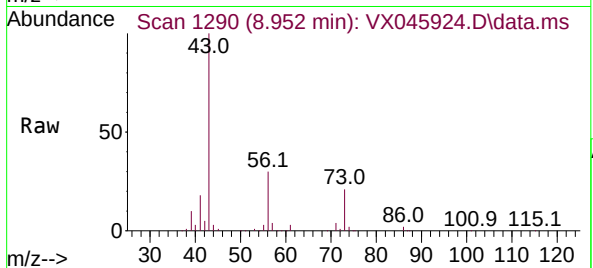
PB167707ZHE#05

Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.614 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045924.D

Acq: 24 Apr 2025 14:00

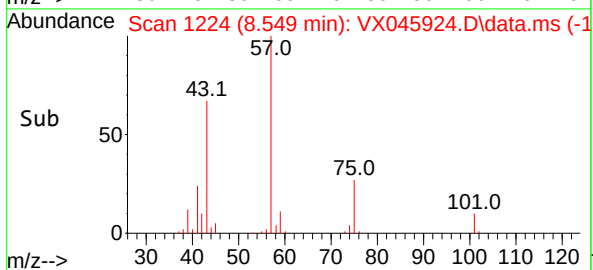
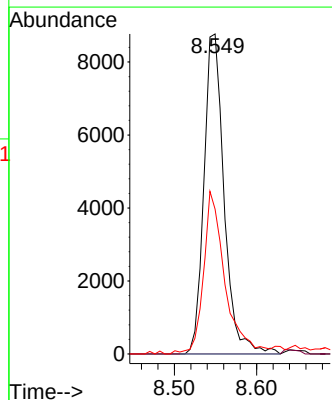
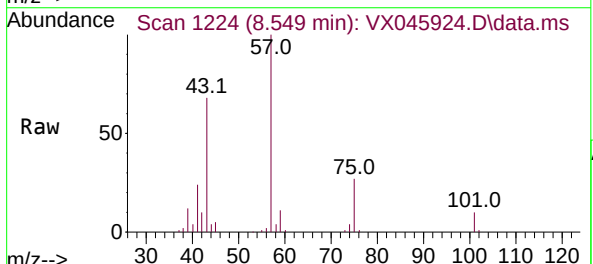
Tgt Ion: 75 Resp: 14964

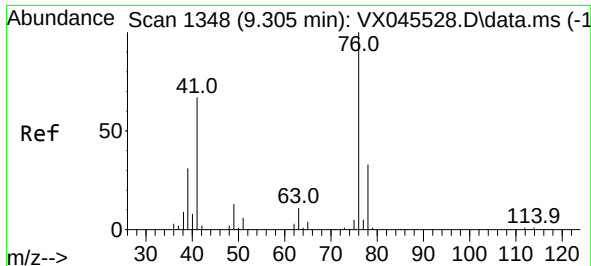
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 44.6 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.968 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045924.D

Acq: 24 Apr 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

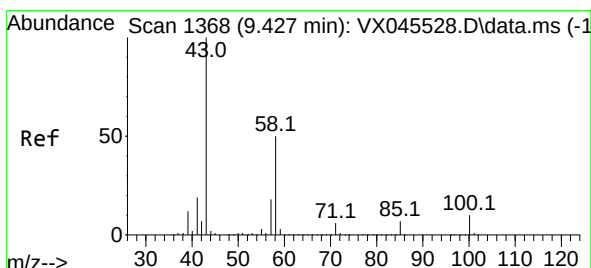
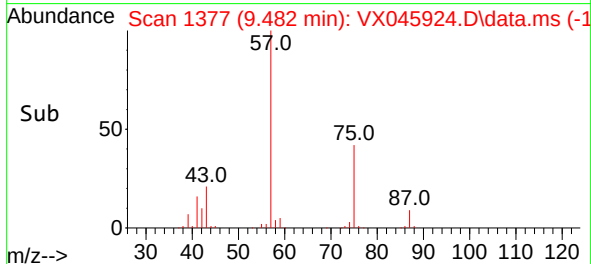
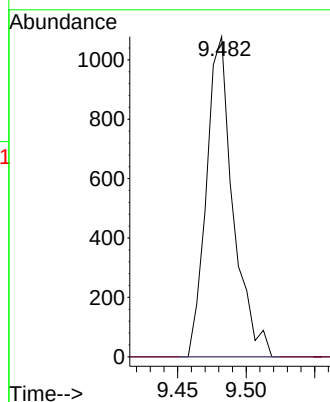
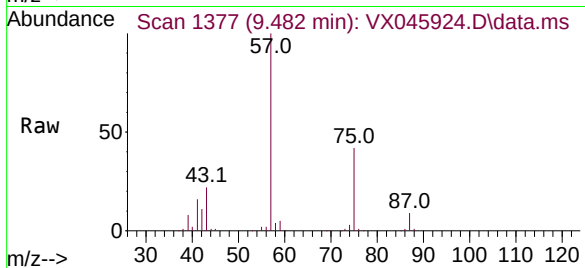
PB167707ZHE#05

Tgt Ion: 76 Resp: 1457

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 11.736 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045924.D

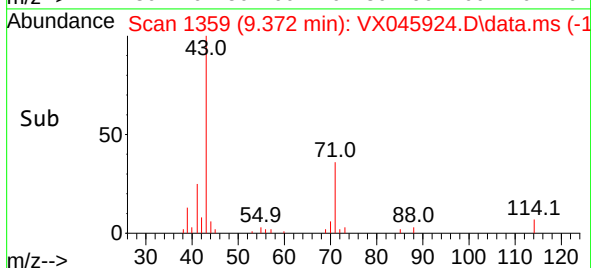
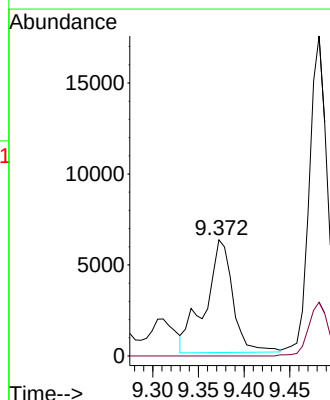
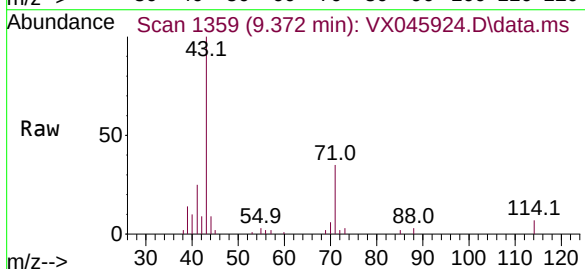
Acq: 24 Apr 2025 14:00

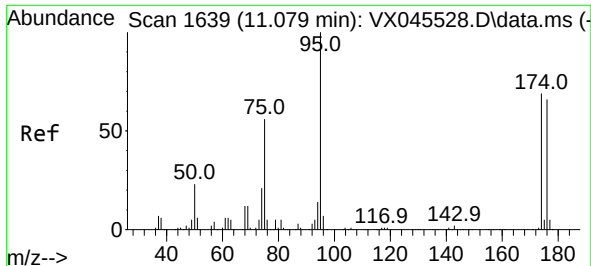
Tgt Ion: 43 Resp: 12915

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 52.541 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045924.D

Acq: 24 Apr 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#05

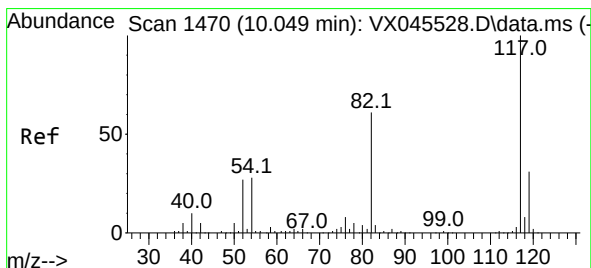
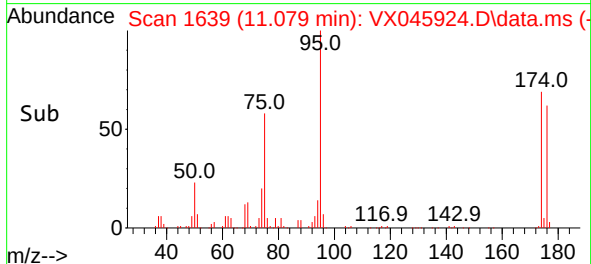
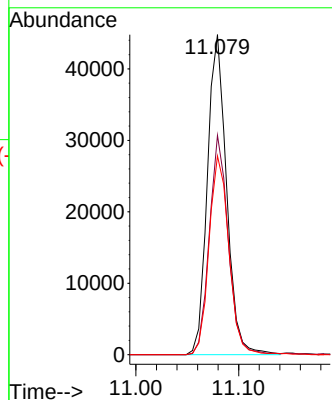
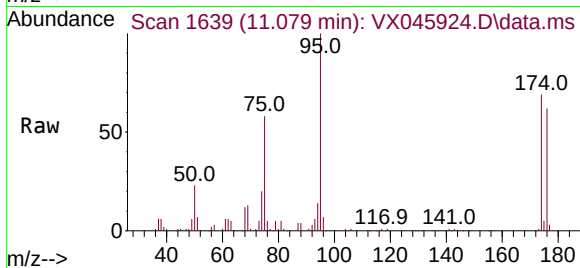
Tgt Ion: 95 Resp: 58066

Ion Ratio Lower Upper

95 100

174 67.7 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: VX045924.D

Acq: 24 Apr 2025 14:00

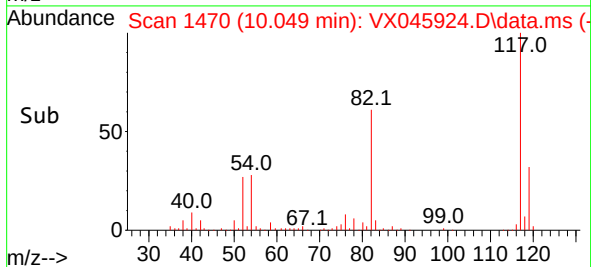
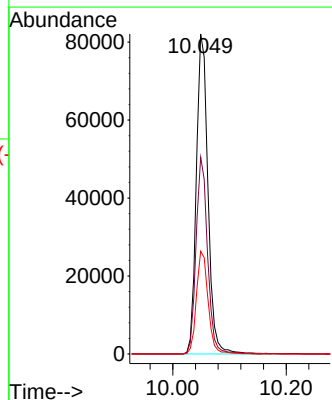
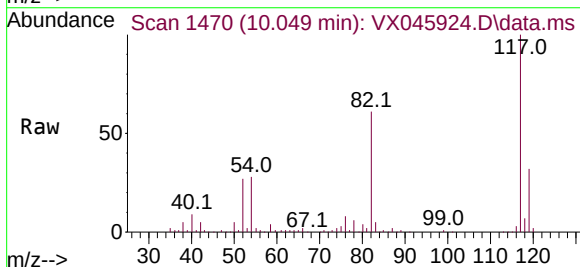
Tgt Ion: 117 Resp: 116652

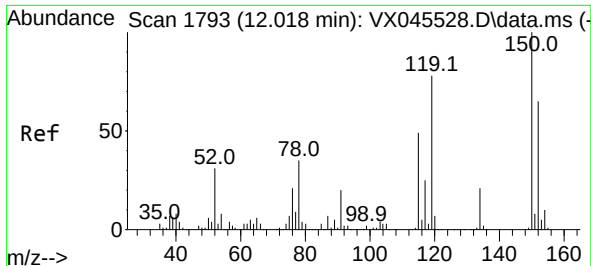
Ion Ratio Lower Upper

117 100

82 61.5 49.2 73.8

119 32.1 25.1 37.7

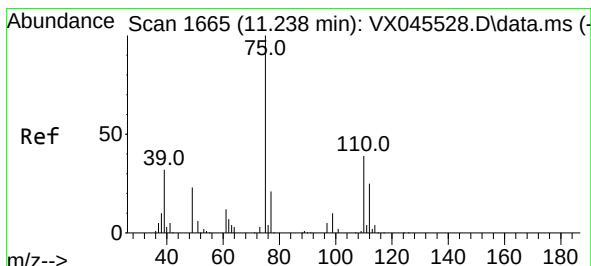
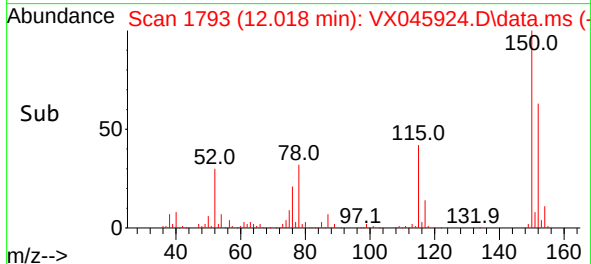
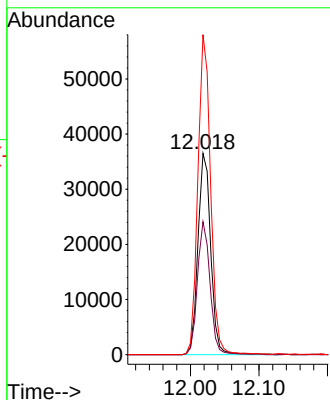
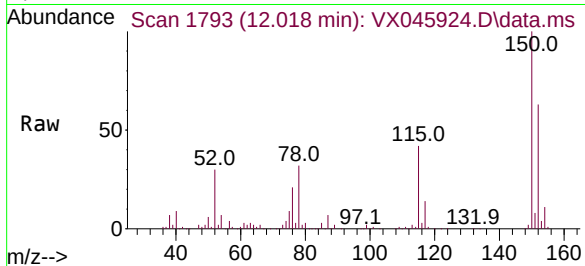




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045924.D
 Acq: 24 Apr 2025 14:00

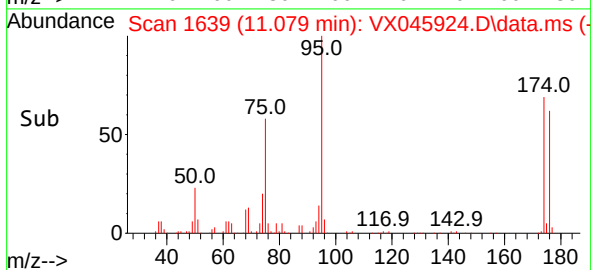
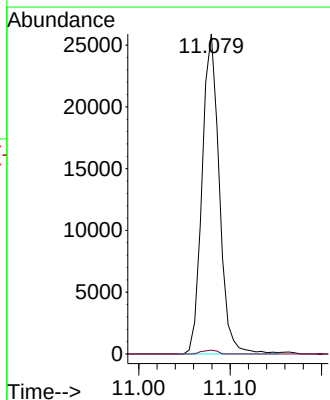
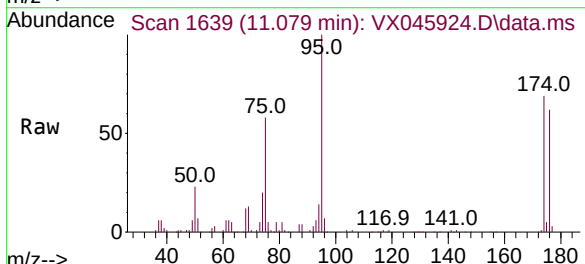
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#05

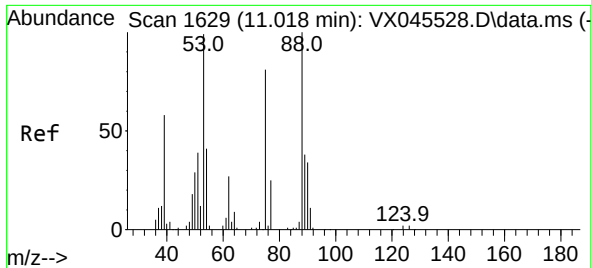
Tgt Ion:152 Resp: 47424
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 158.3 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.350 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045924.D
 Acq: 24 Apr 2025 14:00

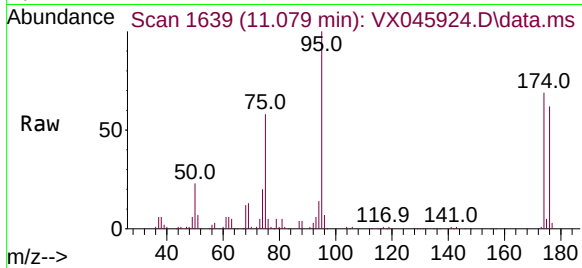
Tgt Ion: 75 Resp: 33952
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.611 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045924.D
Acq: 24 Apr 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#05



Tgt Ion: 75 Resp: 33952
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

