

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045698.D
 Acq On : 10 Apr 2025 15:00
 Operator : JC/MD
 Sample : PB167534ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#04

Quant Time: Apr 11 01:57:44 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)

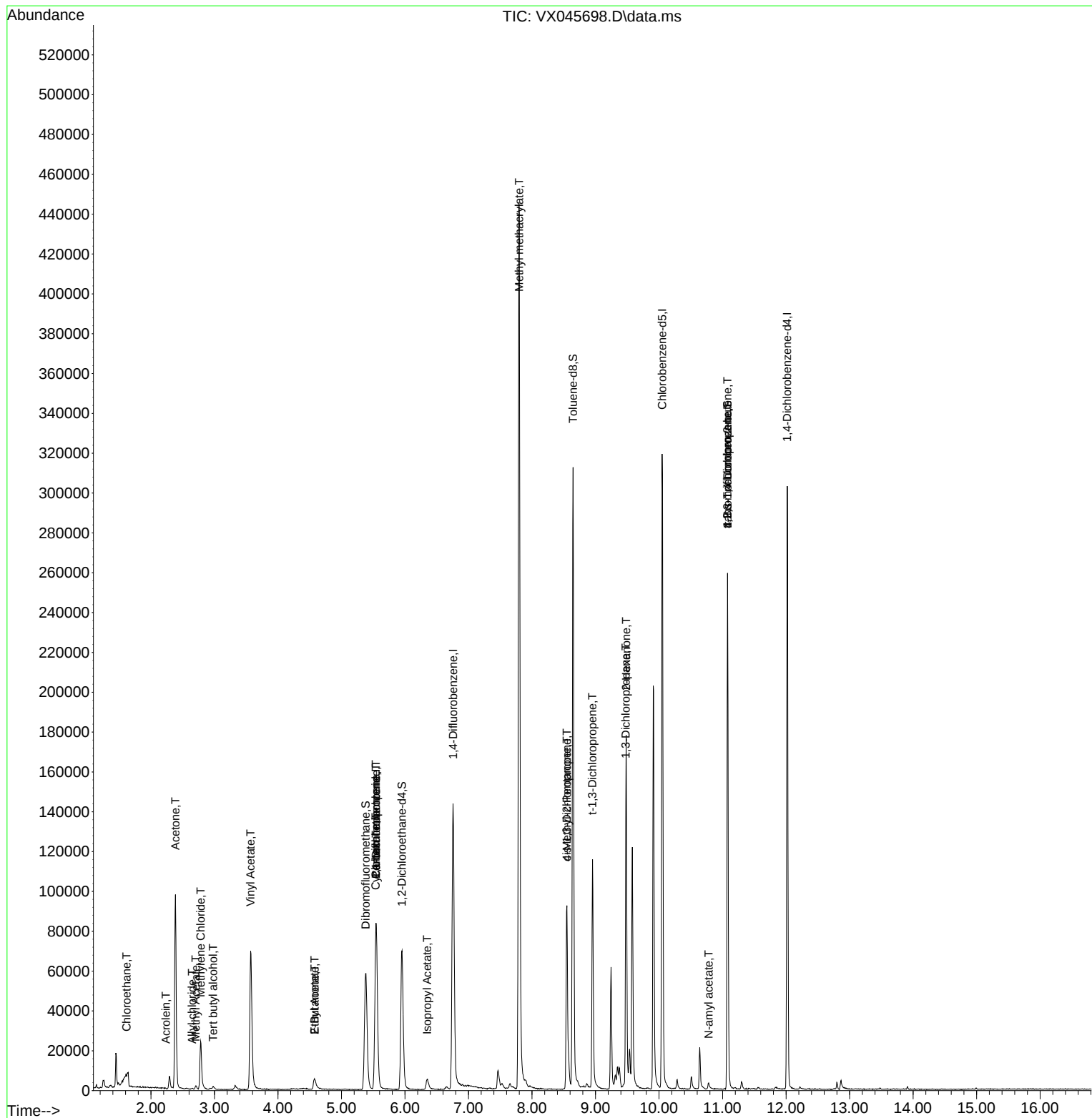
Internal Standards						
1) Pentafluorobenzene	5.544	168	70470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71726	55.657	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.320%
35) Dibromofluoromethane	5.379	113	50967	51.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.620%
50) Toluene-d8	8.647	98	175944	50.745	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%
62) 4-Bromofluorobenzene	11.079	95	65911	52.189	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.380%
Target Compounds						
						Qvalue
6) Chloroethane	1.618	64	130	0.247	ug/l #	42
11) Tert butyl alcohol	2.977	59	1928	11.132	ug/l #	91
13) Acrolein	2.233	56	87	0.365	ug/l	85
14) Allyl chloride	2.648	41	342	0.213	ug/l #	76
16) Acetone	2.386	43	107781	203.675	ug/l	98
18) Methyl Acetate	2.703	43	2389	1.961	ug/l	94
20) Methylene Chloride	2.782	84	11583	11.692	ug/l	98
23) Vinyl Acetate	3.568	43	1188	0.435	ug/l #	74
25) 2-Butanone	4.574	43	11026	14.234	ug/l	92
31) Cyclohexane	5.538	56	2062	1.304	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	7097	5.291	ug/l #	50
37) Ethyl Acetate	4.574	43	11026	6.523	ug/l #	71
38) Carbon Tetrachloride	5.544	117	8717	6.014	ug/l #	17
43) Isopropyl Acetate	6.348	43	8372	3.268	ug/l	96
48) Methyl methacrylate	7.799	41	45168	34.149	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41488	24.430	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	214	2.425	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14612	9.924	ug/l #	66
57) 1,3-Dichloropropane	9.476	76	1388	0.807	ug/l #	42
59) 2-Hexanone	9.482	43	24183	19.230	ug/l #	56
74) N-amyl acetate	10.781	43	2460	1.174	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	38400	28.780	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38400	97.677	ug/l #	1

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

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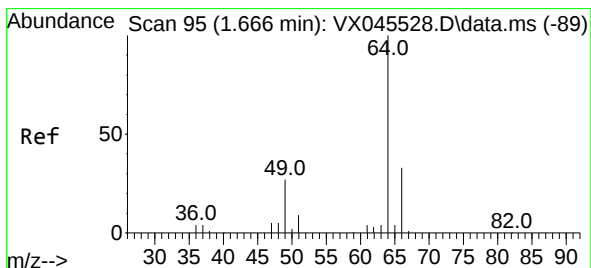
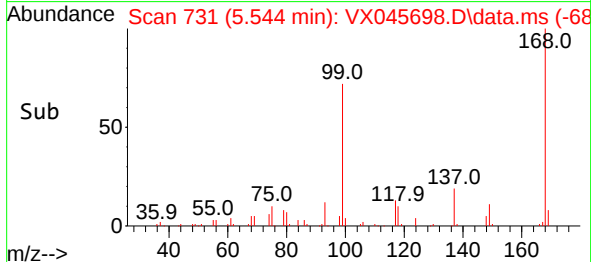
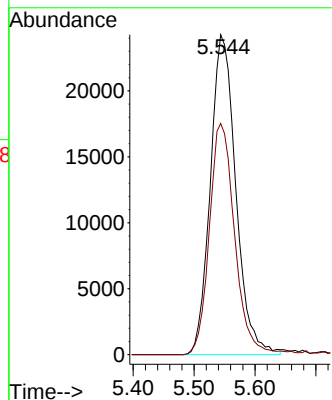
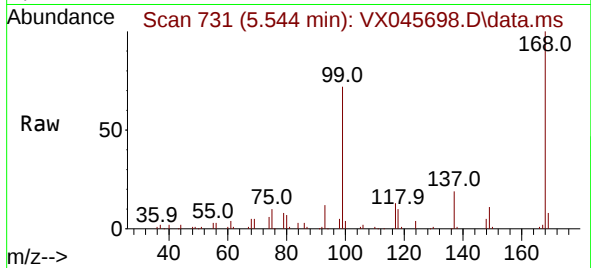




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

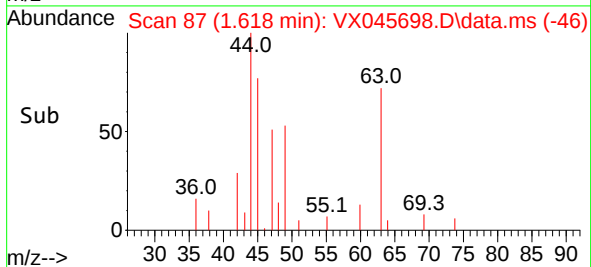
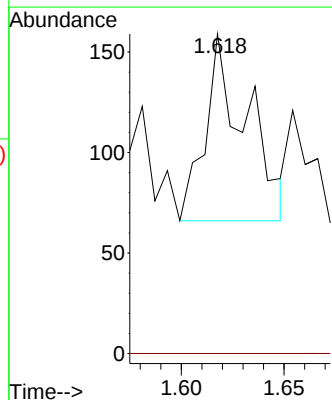
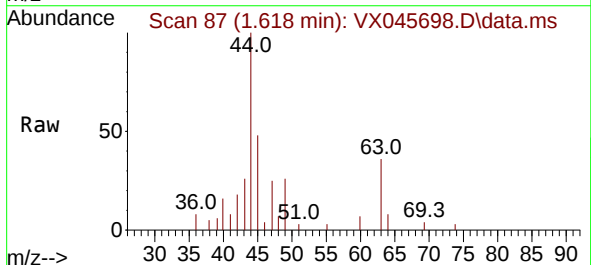
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

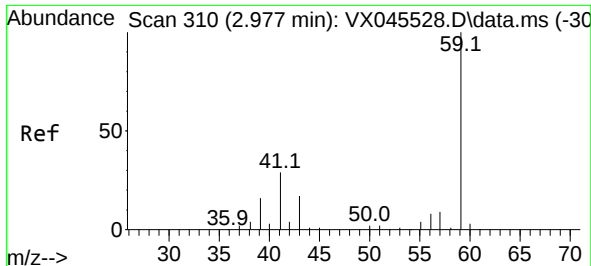
Tgt Ion:168 Resp: 70470
Ion Ratio Lower Upper
168 100
99 72.3 52.3 78.5



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.049 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

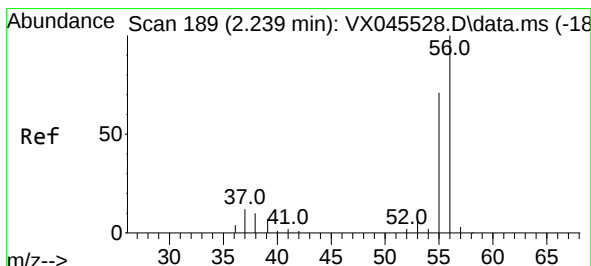
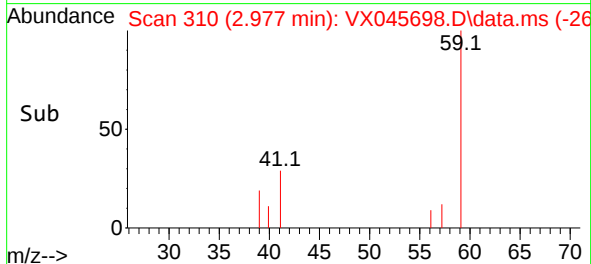
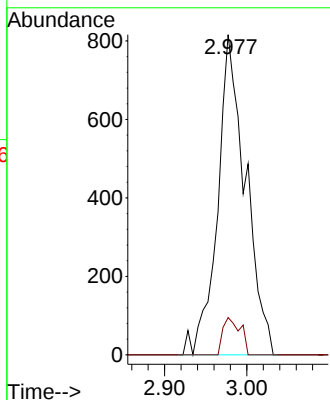
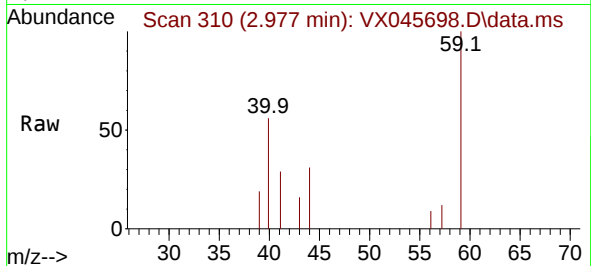




#11
Tert butyl alcohol
Concen: 11.132 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

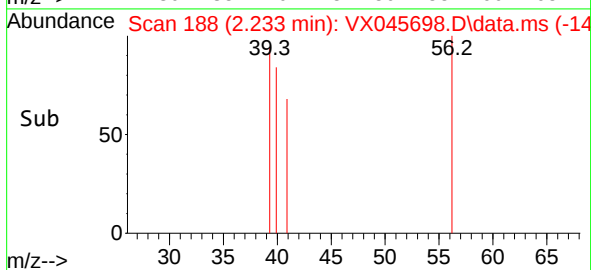
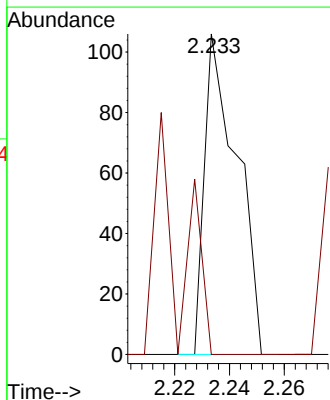
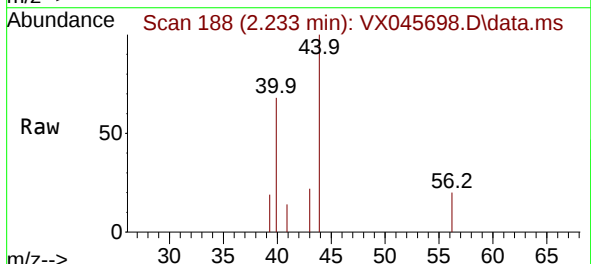
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

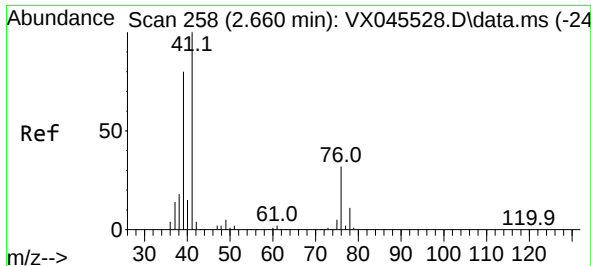
Tgt Ion: 59 Resp: 1928
Ion Ratio Lower Upper
59 100
57 7.3 8.6 12.8#



#13
Acrolein
Concen: 0.365 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 57.5 56.2 84.2

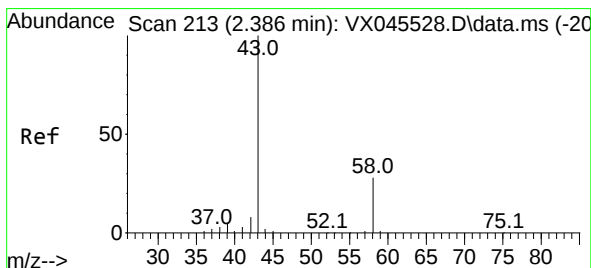
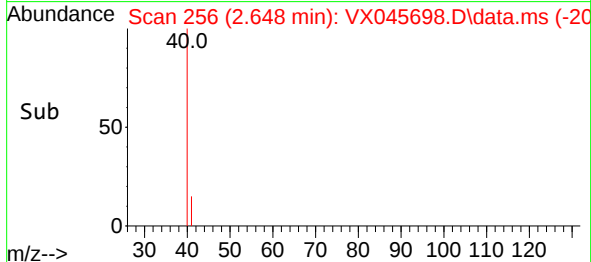
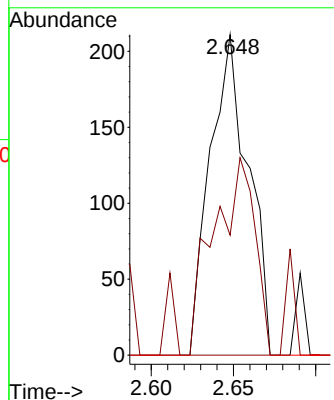
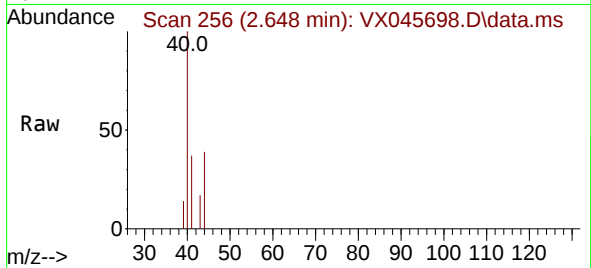




#14
 Allyl chloride
 Concen: 0.213 ug/l
 RT: 2.648 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

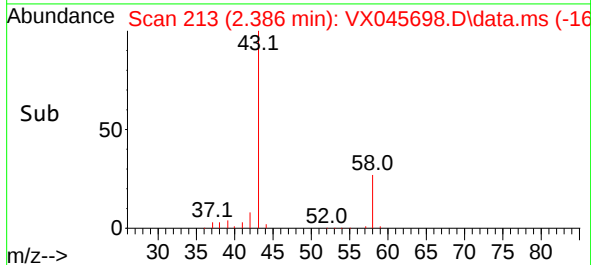
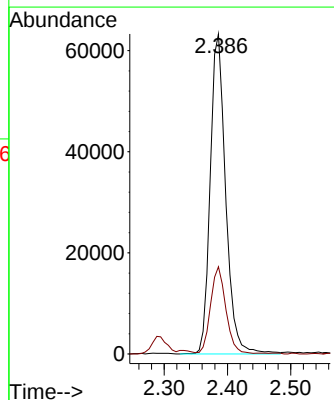
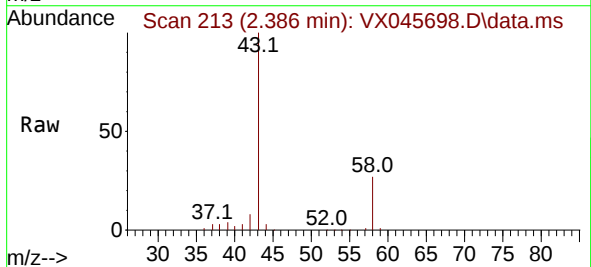
Instrument :
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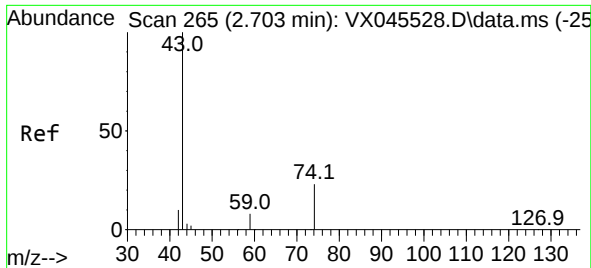
Tgt Ion: 41 Resp: 342
 Ion Ratio Lower Upper
 41 100
 39 66.4 60.2 90.2
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 203.675 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

Tgt Ion: 43 Resp: 107781
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.3 33.5

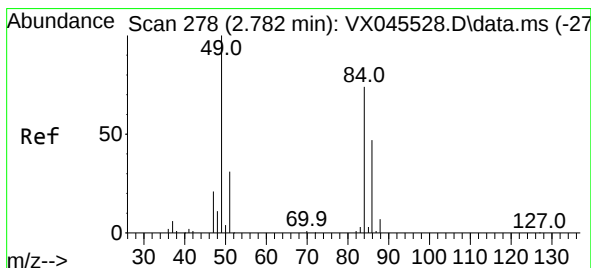
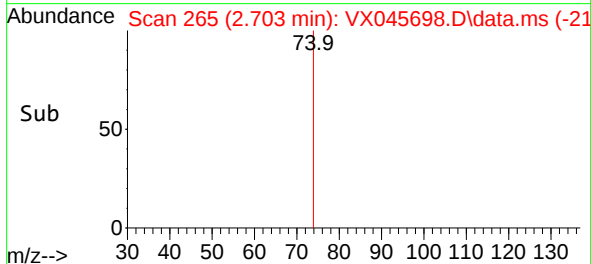
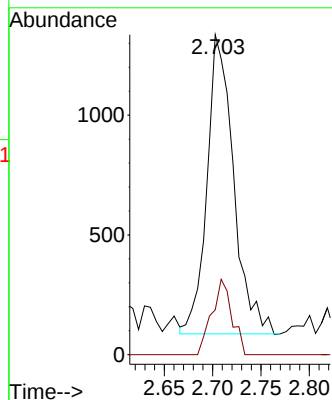
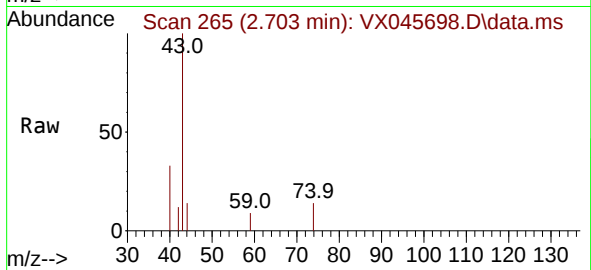




#18
Methyl Acetate
Concen: 1.961 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

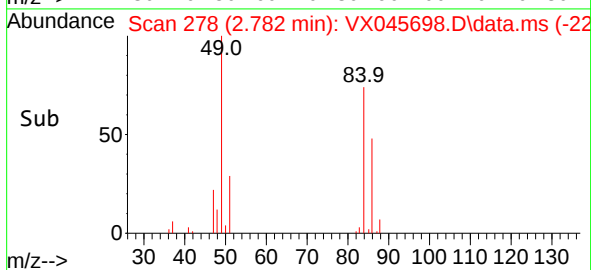
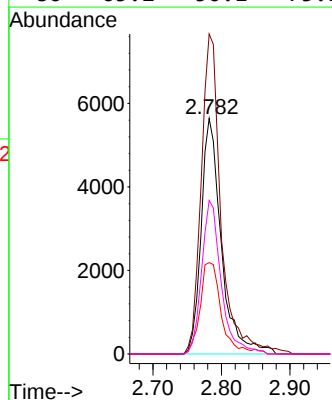
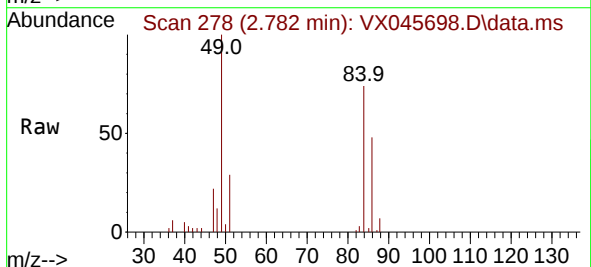
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

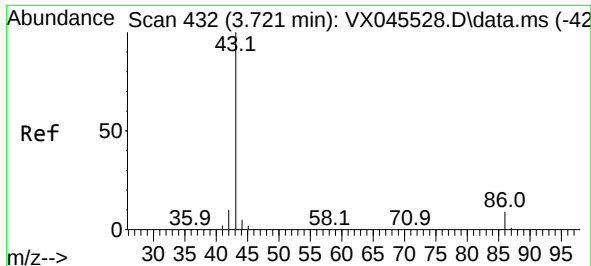
Tgt Ion: 43 Resp: 2389
Ion Ratio Lower Upper
43 100
74 18.9 17.5 26.3



#20
Methylene Chloride
Concen: 11.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 84 Resp: 11583
Ion Ratio Lower Upper
84 100
49 135.9 107.5 161.3
51 38.8 33.0 49.6
86 65.2 50.1 75.1

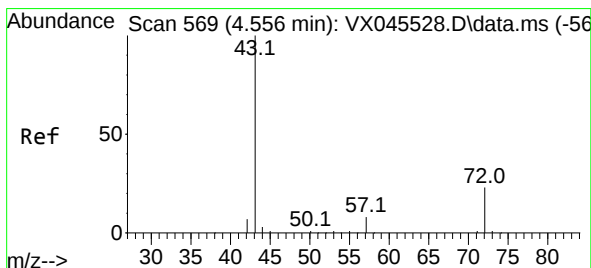
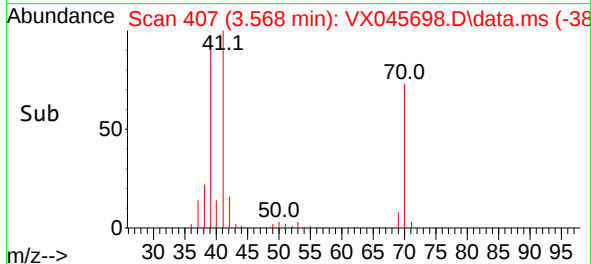
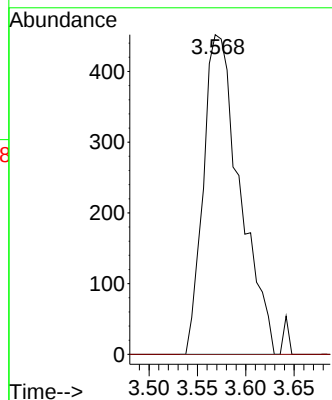
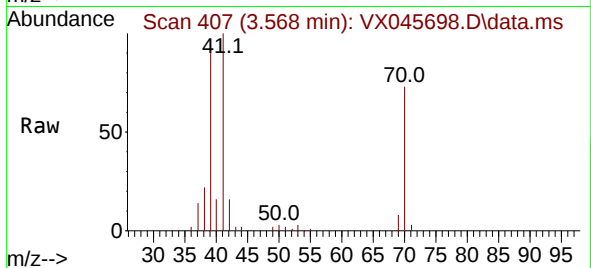




#23
 Vinyl Acetate
 Concen: 0.435 ug/l
 RT: 3.568 min Scan# 407
 Delta R.T. -0.152 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

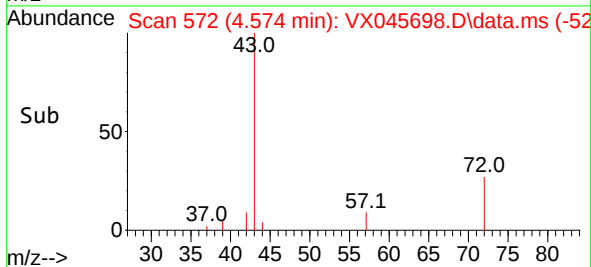
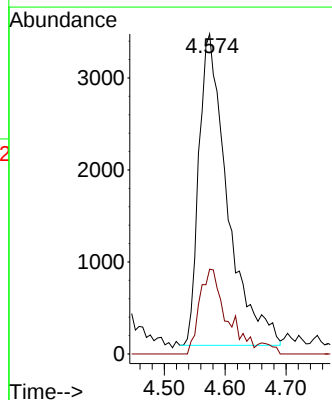
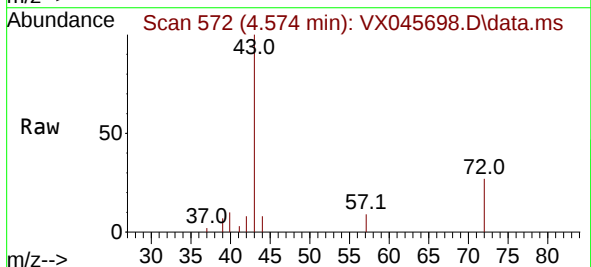
Instrument :
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 ClientSampleId :
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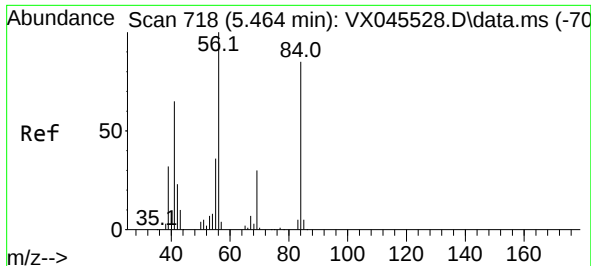
Tgt Ion: 43 Resp: 1188
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 14.234 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

Tgt Ion: 43 Resp: 11026
 Ion Ratio Lower Upper
 43 100
 72 27.2 18.6 28.0

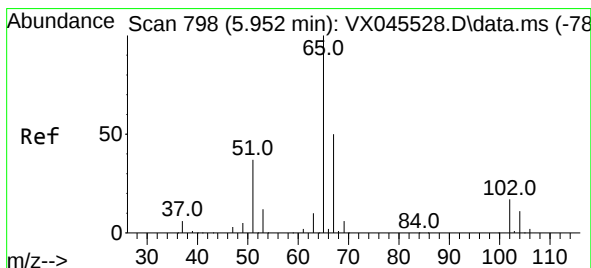
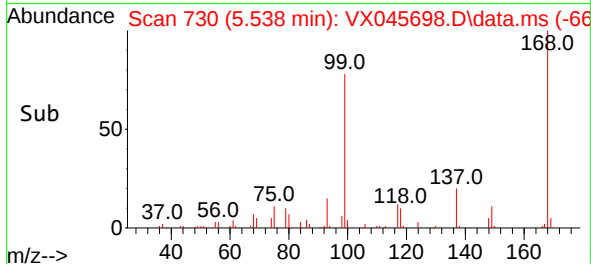
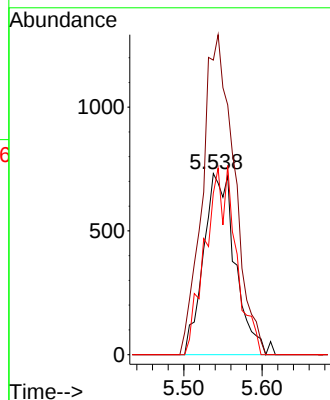
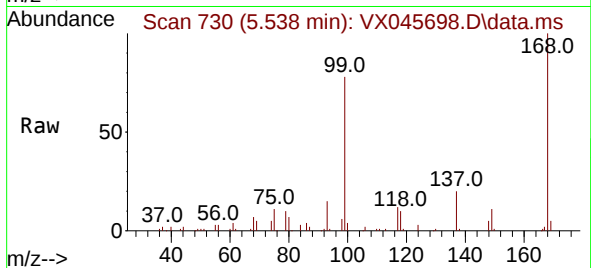




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

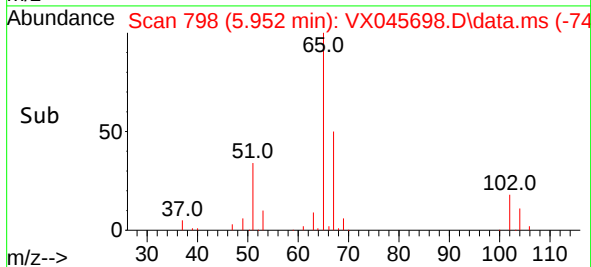
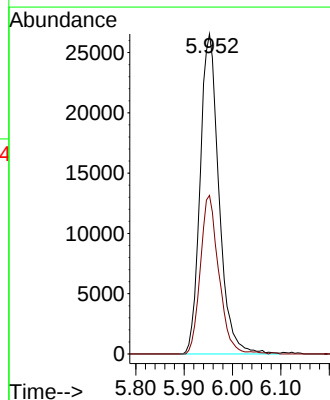
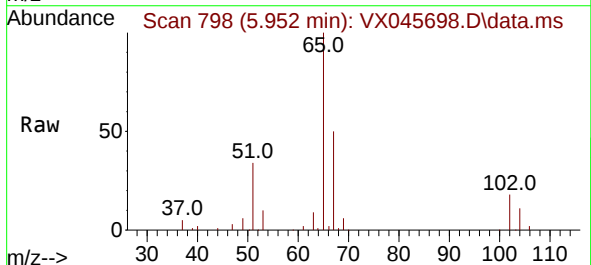
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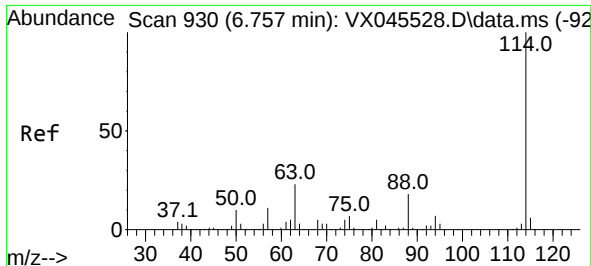
Tgt Ion: 56 Resp: 2062
Ion Ratio Lower Upper
56 100
69 162.6 23.6 35.4#
84 89.1 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.657 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 65 Resp: 71726
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.0

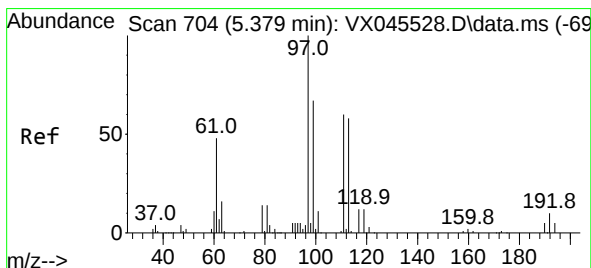
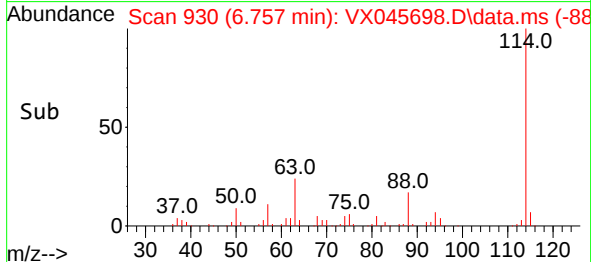
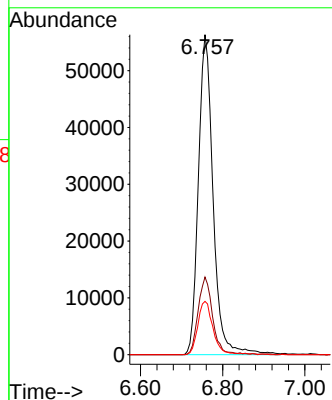
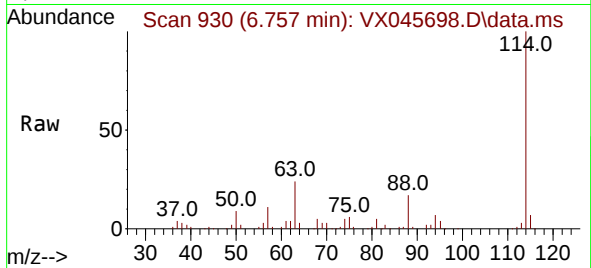




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

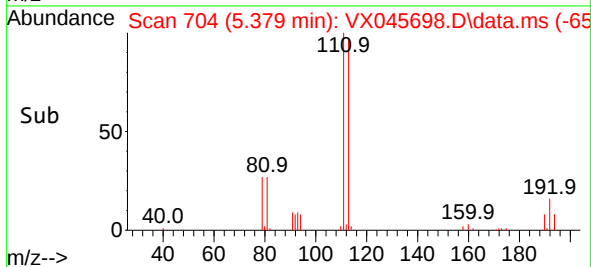
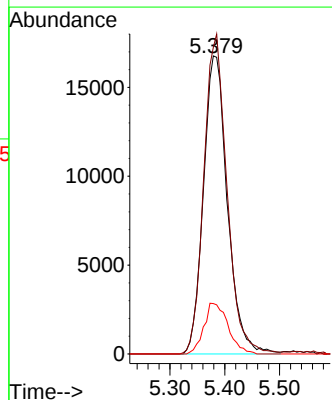
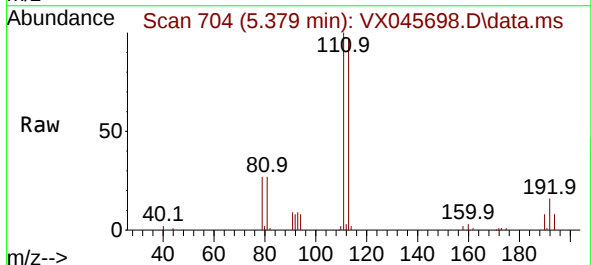
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

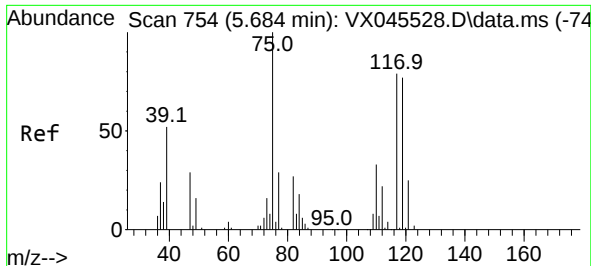
Tgt Ion:114 Resp: 140008
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.8
88 16.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.308 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion:113 Resp: 50967
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 17.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.291 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045698.D

Acq: 10 Apr 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#04

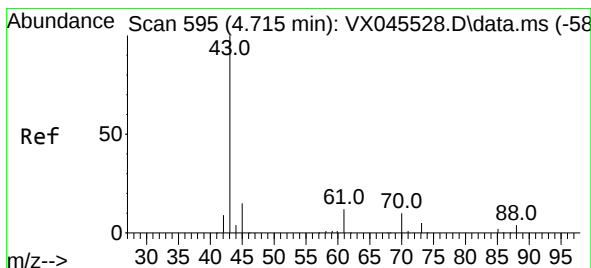
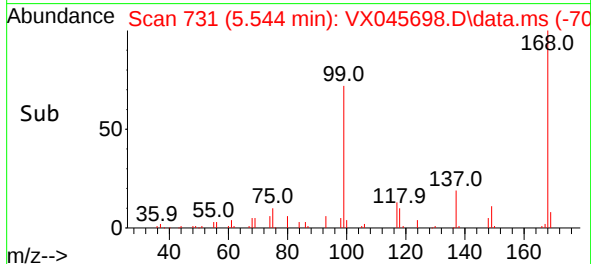
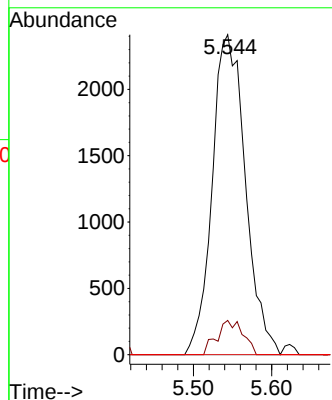
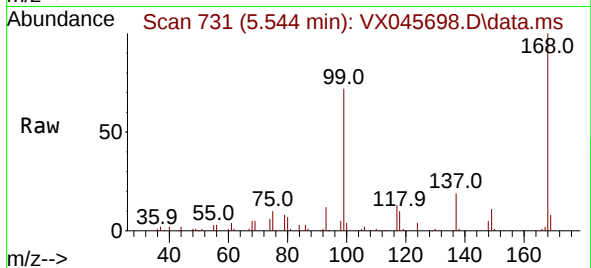
Tgt Ion: 75 Resp: 7097

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 6.523 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045698.D

Acq: 10 Apr 2025 15:00

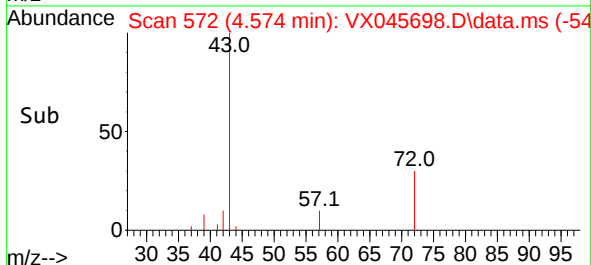
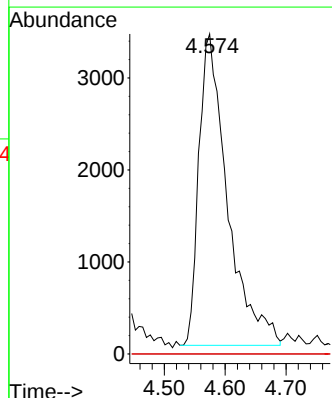
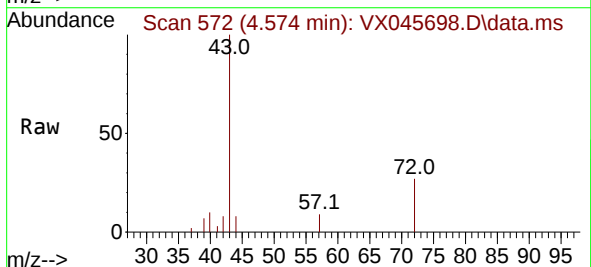
Tgt Ion: 43 Resp: 11026

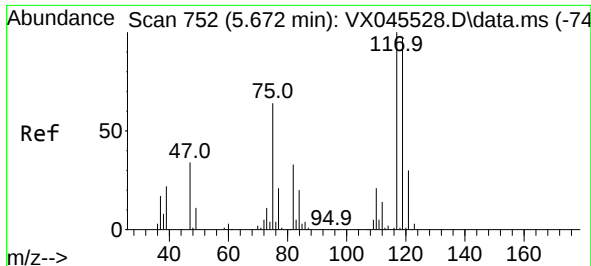
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

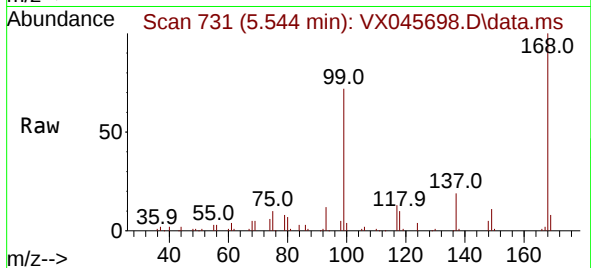
70 0.0 7.5 11.3#



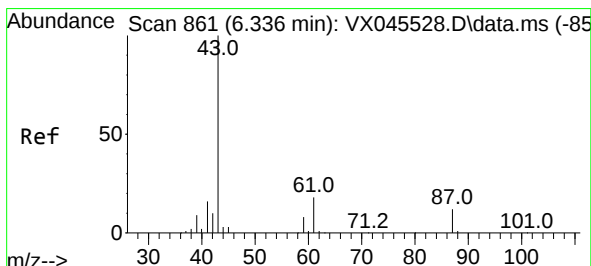
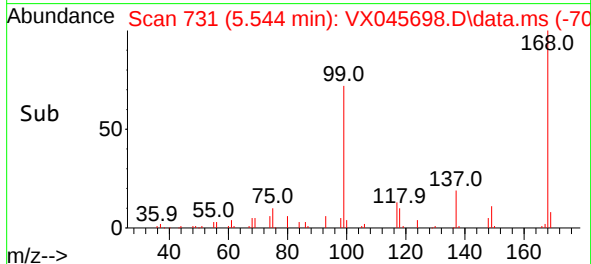
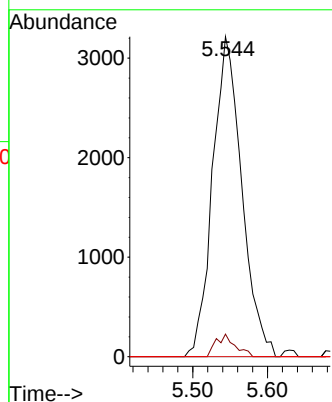


#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

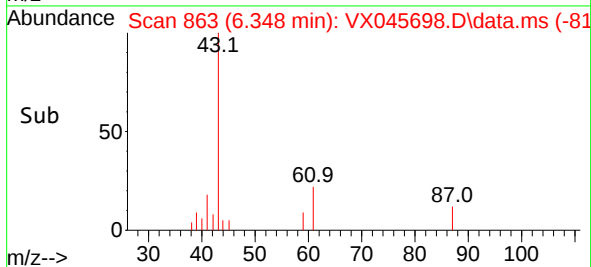
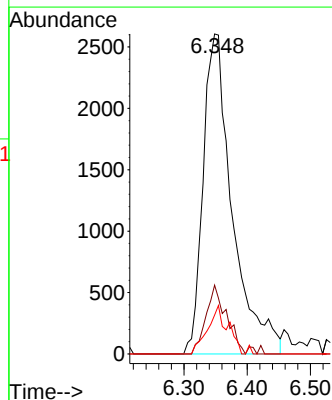
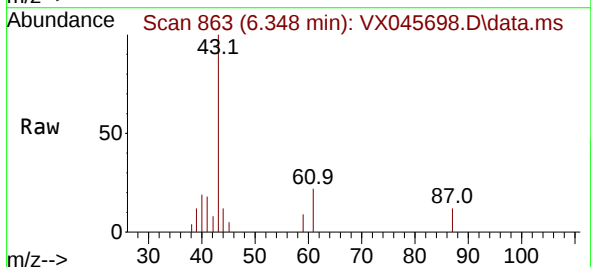


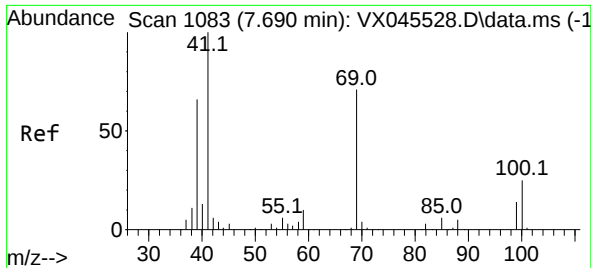
Tgt Ion:117 Resp: 8717
Ion Ratio Lower Upper
117 100
119 7.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.268 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 43 Resp: 8372
Ion Ratio Lower Upper
43 100
61 15.2 14.1 21.1
87 10.4 9.2 13.8

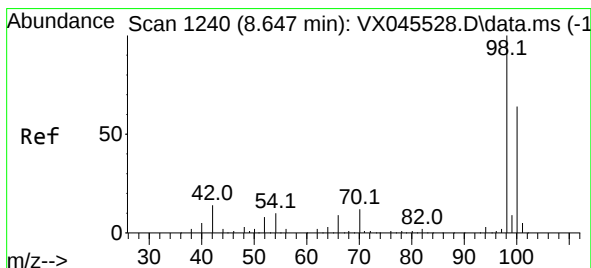
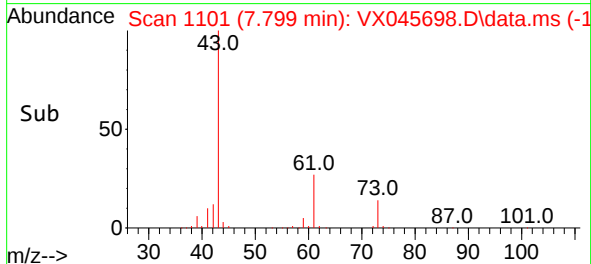
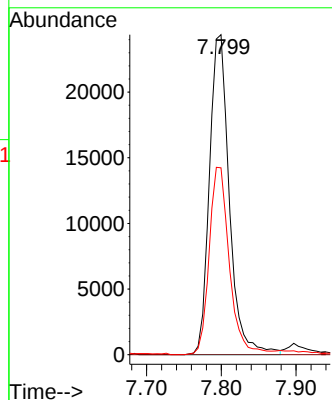
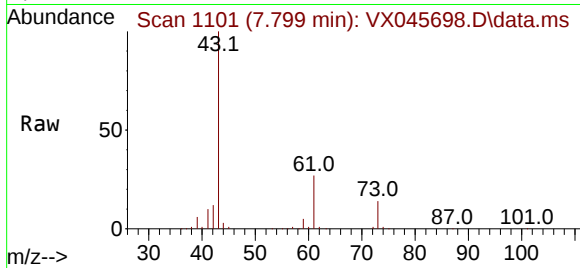




#48
Methyl methacrylate
Concen: 34.149 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

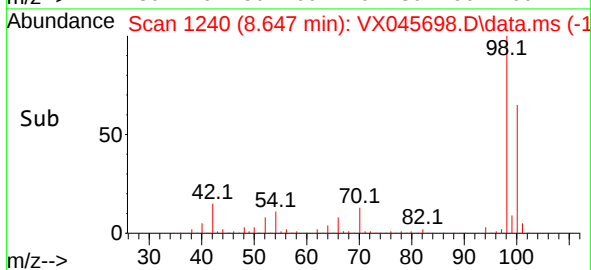
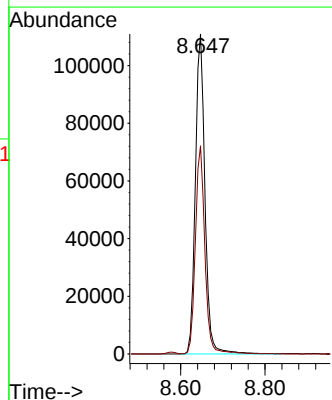
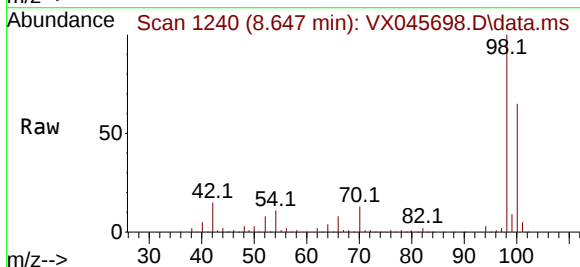
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

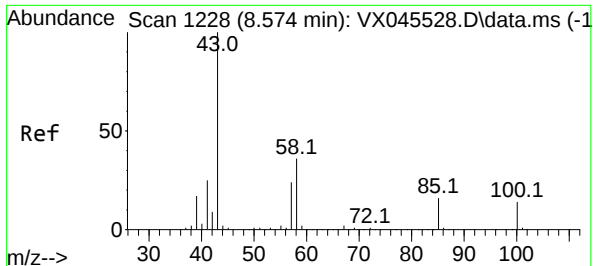
Tgt Ion: 41 Resp: 45168
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.4 53.6 80.4



#50
Toluene-d8
Concen: 50.745 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 98 Resp: 175944
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

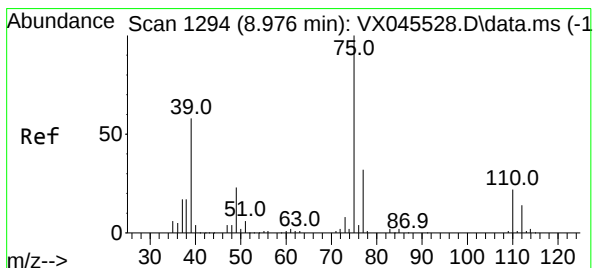
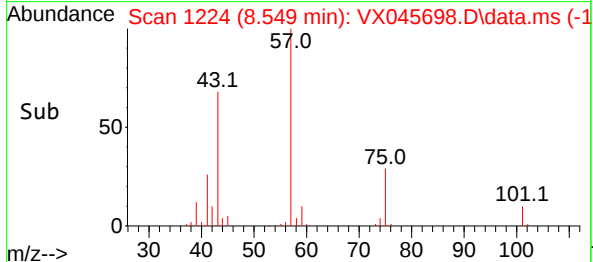
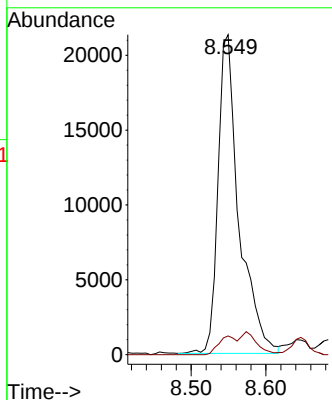
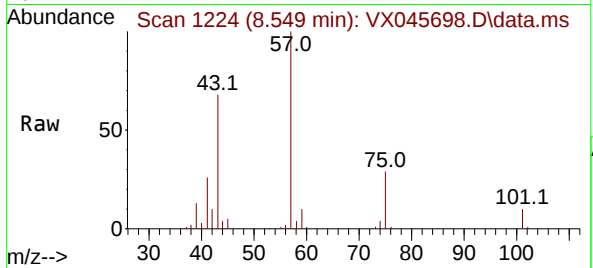




#51
4-Methyl-2-Pentanone
Concen: 24.430 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

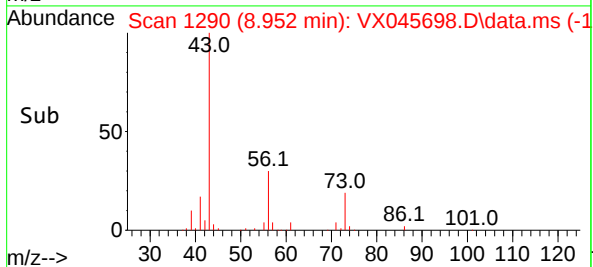
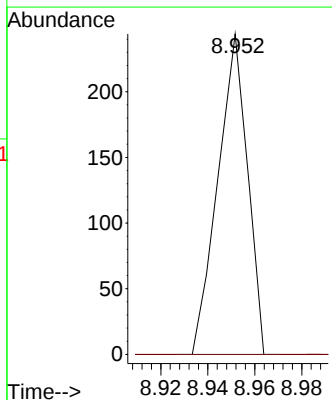
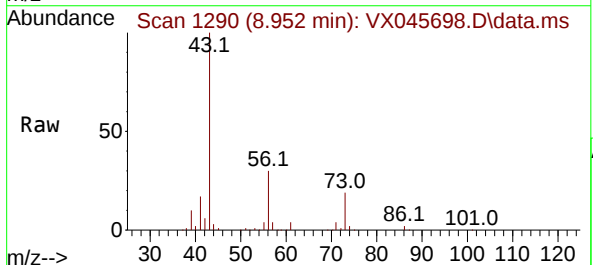
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

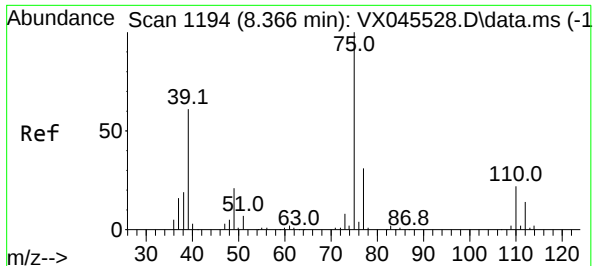
Tgt Ion: 43 Resp: 41488
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.425 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

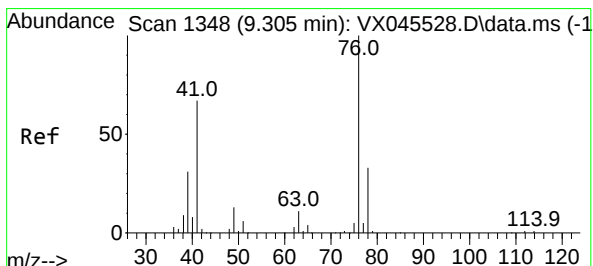
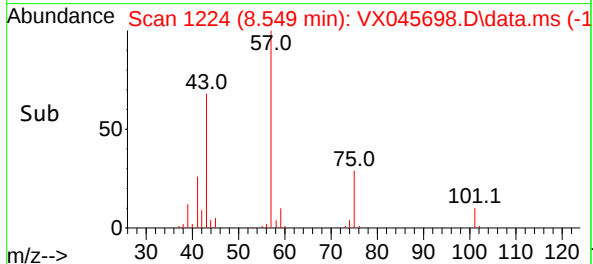
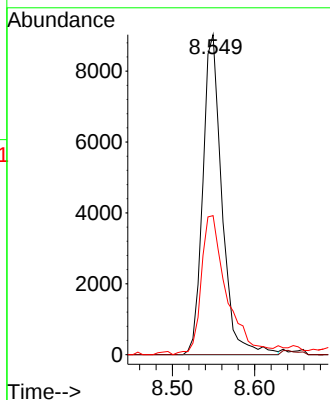
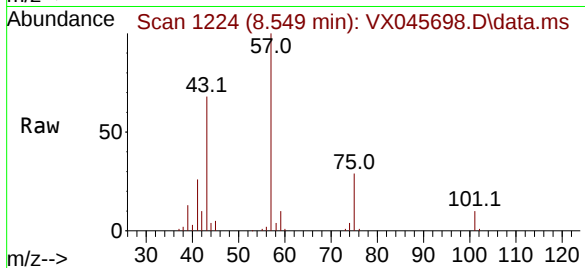




#54
 cis-1,3-Dichloropropene
 Concen: 9.924 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

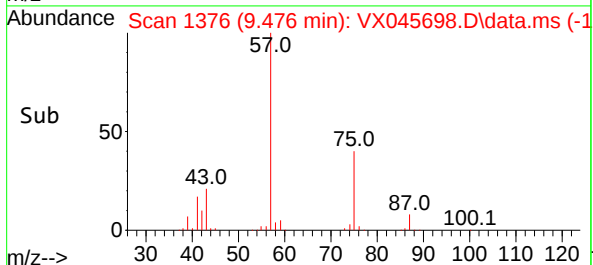
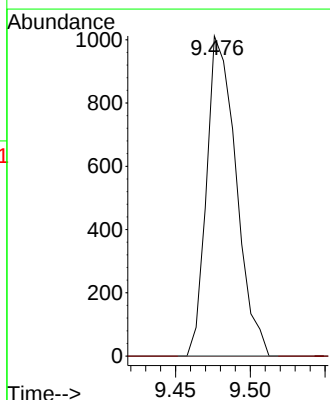
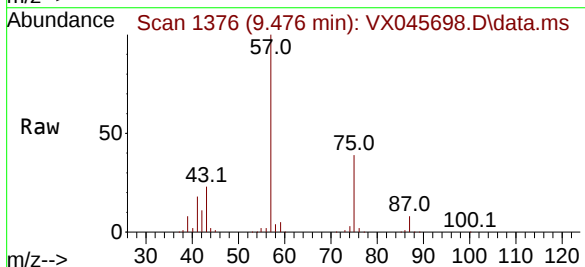
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#04

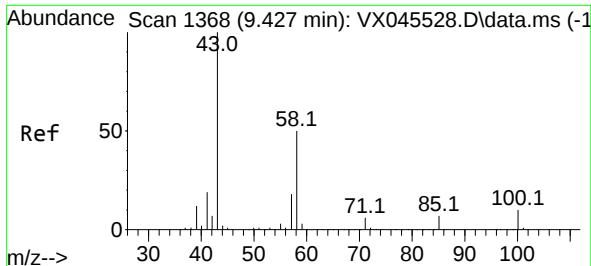
Tgt Ion: 75 Resp: 14612
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 42.8 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.807 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

Tgt Ion: 76 Resp: 1388
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 19.230 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX045698.D

Acq: 10 Apr 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

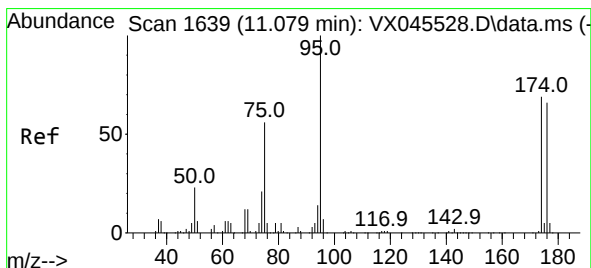
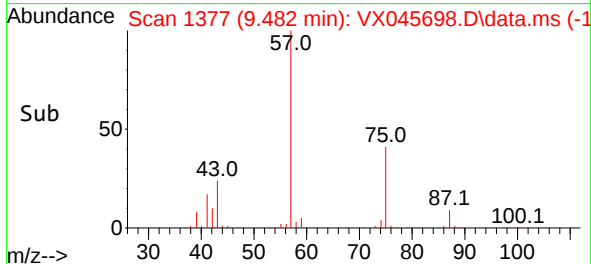
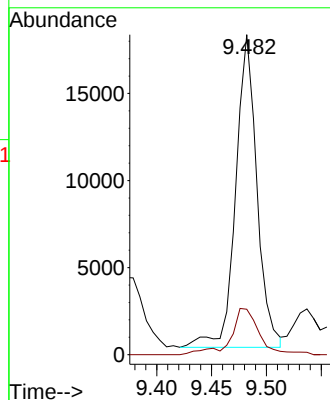
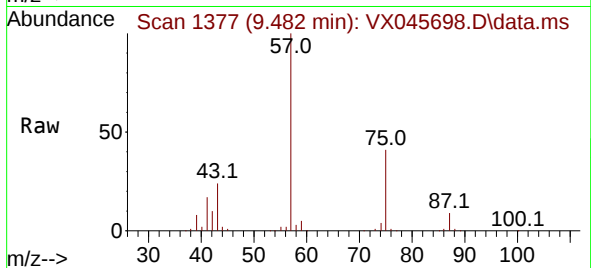
PB167534ZHE#04

Tgt Ion: 43 Resp: 24183

Ion Ratio Lower Upper

43 100

58 19.8 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 52.189 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045698.D

Acq: 10 Apr 2025 15:00

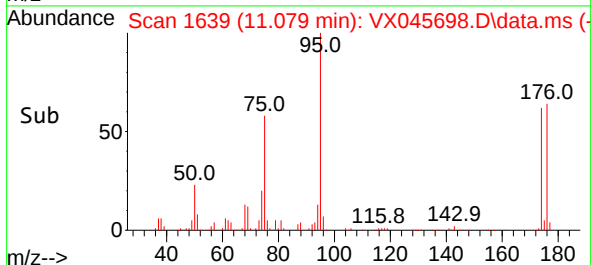
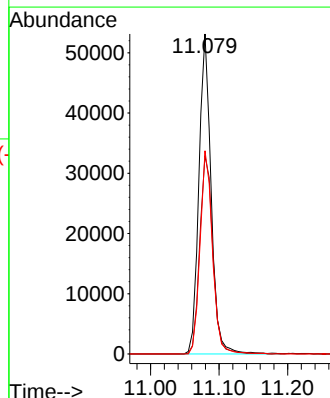
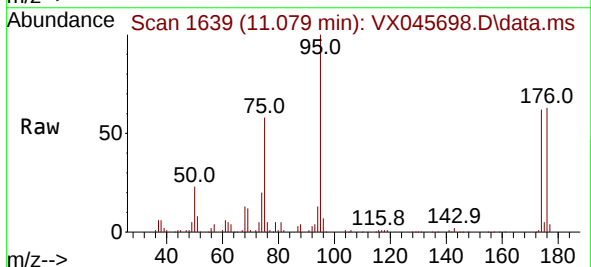
Tgt Ion: 95 Resp: 65911

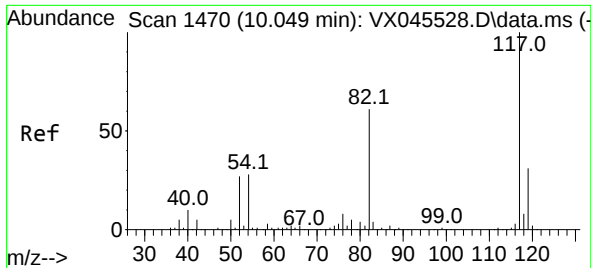
Ion Ratio Lower Upper

95 100

174 66.8 0.0 135.8

176 64.5 0.0 131.4

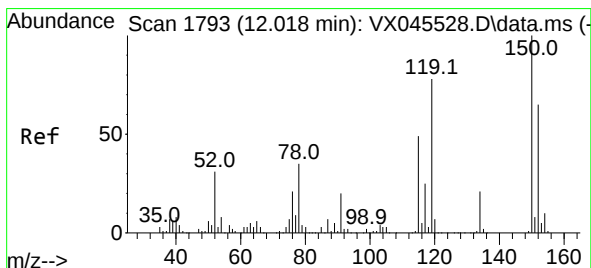
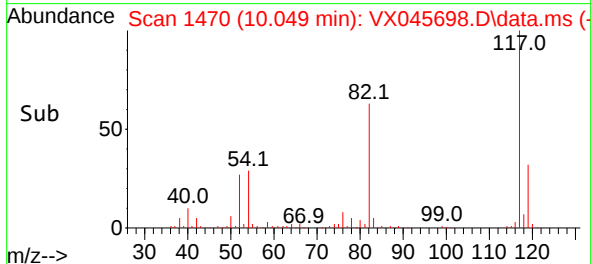
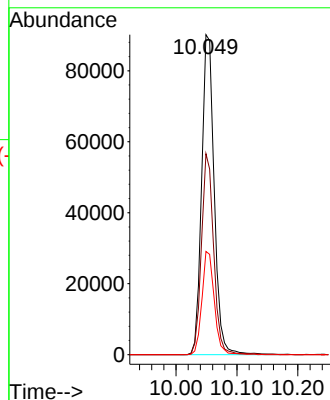
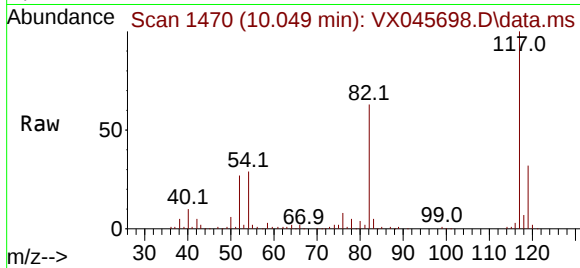




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

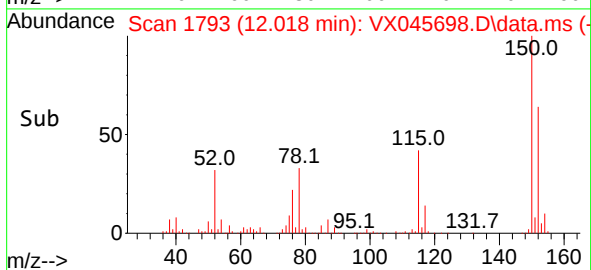
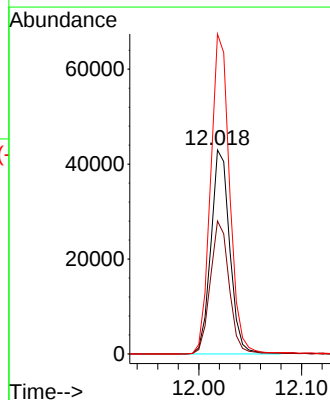
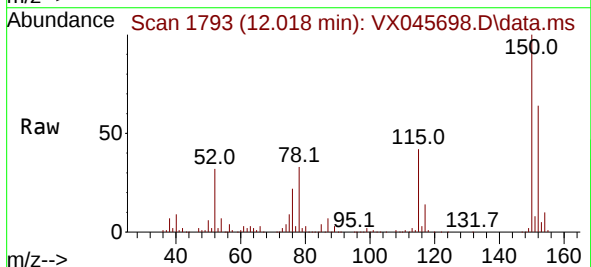
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

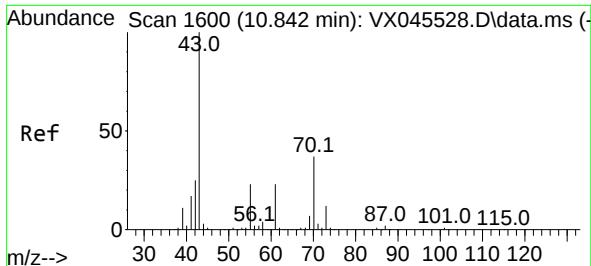
Tgt Ion:117 Resp: 129696
Ion Ratio Lower Upper
117 100
82 62.8 49.2 73.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

Tgt Ion:152 Resp: 54699
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 157.8 0.0 349.4

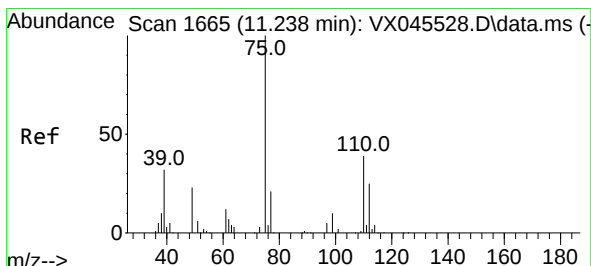
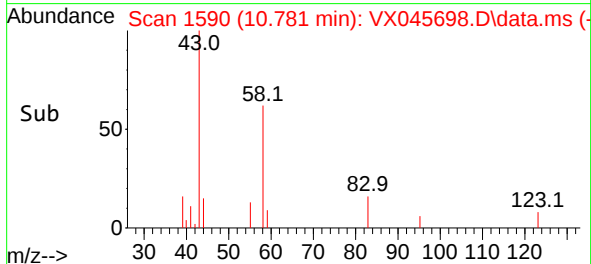
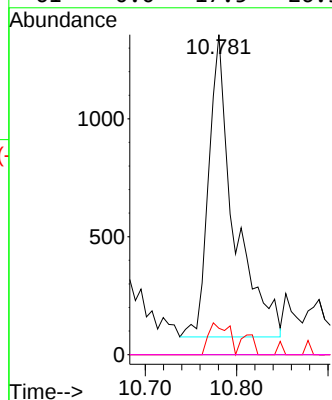
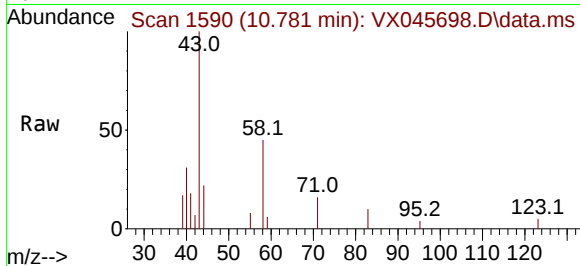




#74
N-amy1 acetate
Concen: 1.174 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

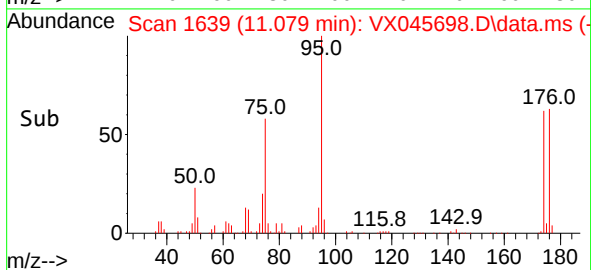
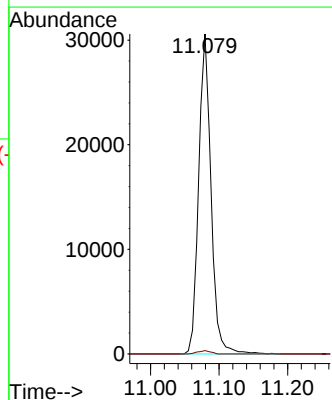
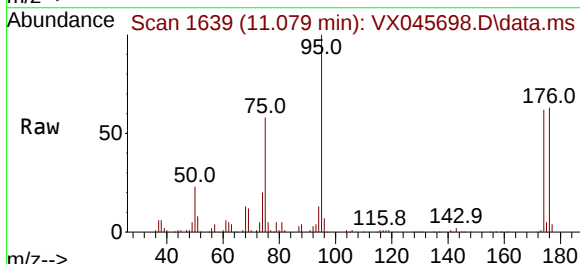
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#04

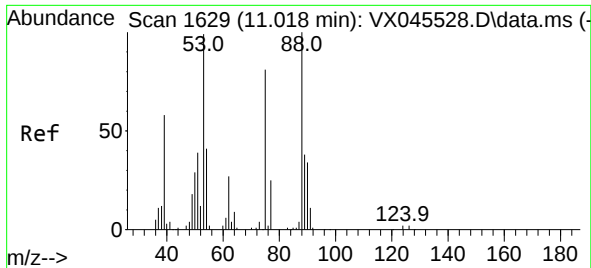
Tgt Ion: 43	Resp:	2460
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.1 45.1#
55	8.2	18.3 27.5#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 28.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045698.D
Acq: 10 Apr 2025 15:00

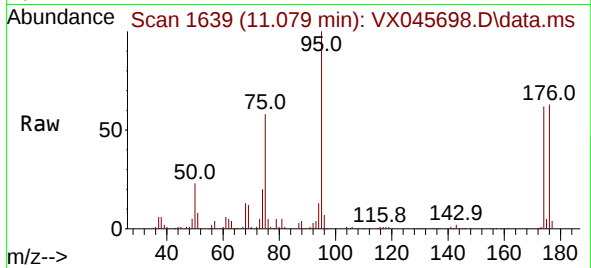
Tgt Ion: 75	Resp:	38400
Ion	Ratio	Lower Upper
75	100	
77	1.1	20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.677 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045698.D
 Acq: 10 Apr 2025 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#04



Tgt Ion: 75 Resp: 38400
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

