

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045648.D
 Acq On : 08 Apr 2025 13:38
 Operator : JC/MD
 Sample : PB167492ZHE06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE06

Quant Time: Apr 09 01:37:59 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)

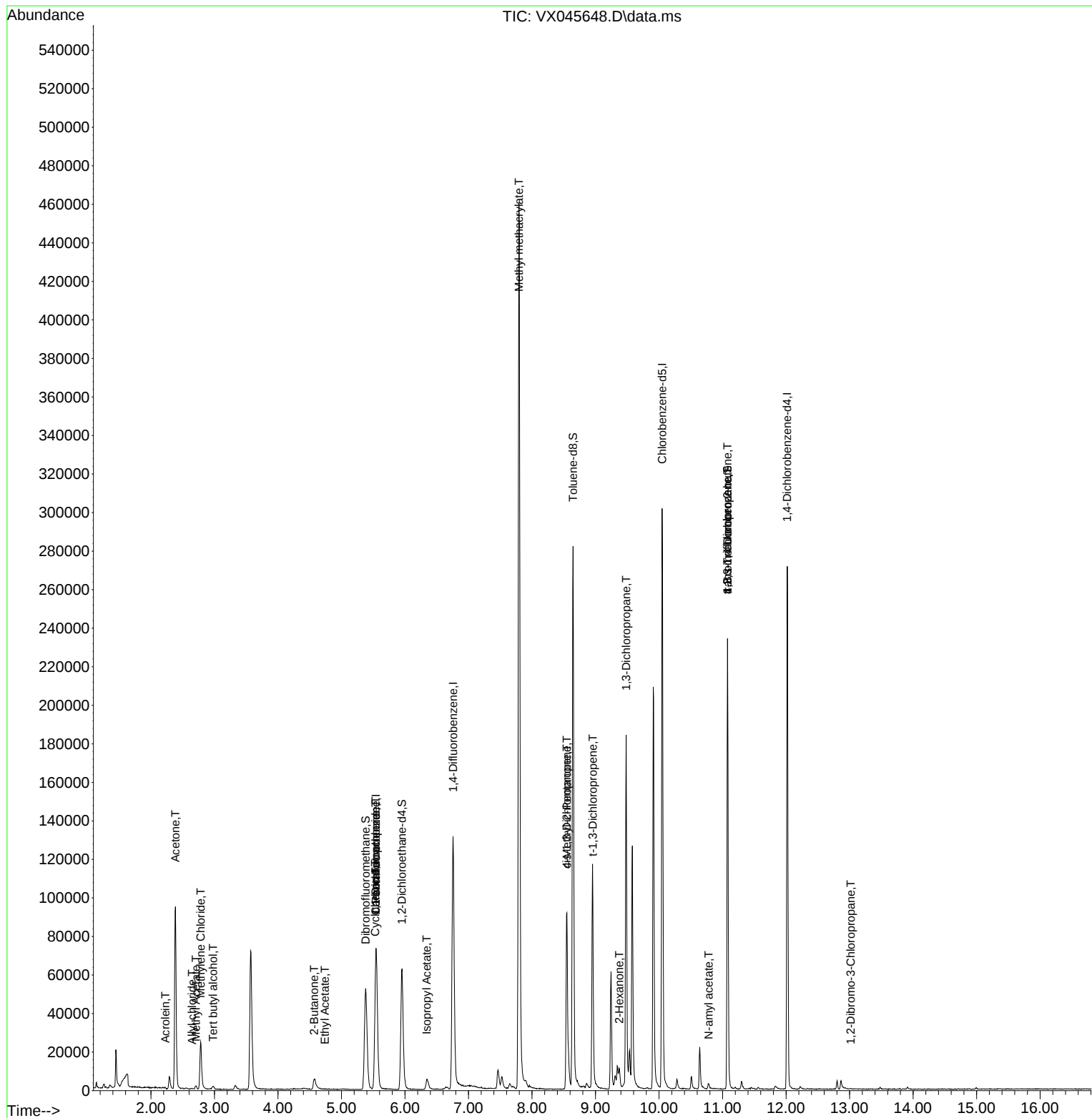
Internal Standards						
1) Pentafluorobenzene	5.544	168	63211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64129	55.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.960%			
35) Dibromofluoromethane	5.379	113	45841	51.366	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	8.647	98	159778	51.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.580%			
62) 4-Bromofluorobenzene	11.079	95	60205	53.062	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	1768	11.381	ug/l #	92
13) Acrolein	2.227	56	219	1.024	ug/l	88
14) Allyl chloride	2.648	41	382	0.265	ug/l #	21
16) Acetone	2.386	43	106133	223.593	ug/l	99
18) Methyl Acetate	2.709	43	2477	2.267	ug/l #	89
20) Methylene Chloride	2.782	84	11664	13.126	ug/l	97
25) 2-Butanone	4.568	43	11898	17.124	ug/l	97
31) Cyclohexane	5.532	56	1865	1.315	ug/l #	51
36) 1,1-Dichloropropene	5.538	75	6239	5.178	ug/l #	51
37) Ethyl Acetate	4.739	43	382	0.252	ug/l #	71
38) Carbon Tetrachloride	5.538	117	7320	5.621	ug/l #	17
43) Isopropyl Acetate	6.342	43	8272	3.594	ug/l	98
48) Methyl methacrylate	7.793	41	45715	38.471	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	42222	27.674	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	185	2.420	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14069	10.636	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1435	0.929	ug/l #	42
59) 2-Hexanone	9.372	43	7778	6.884	ug/l #	28
74) N-amyl acetate	10.781	43	2388	1.258	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	34770	28.768	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34770	97.636	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	13.018	75	94	0.322	ug/l #	9

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

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Sample : PB167492ZHE06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

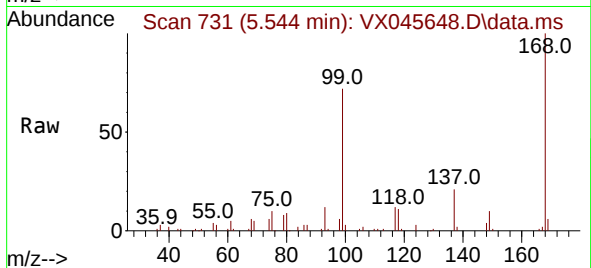
Quant Time: Apr 09 01:37:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



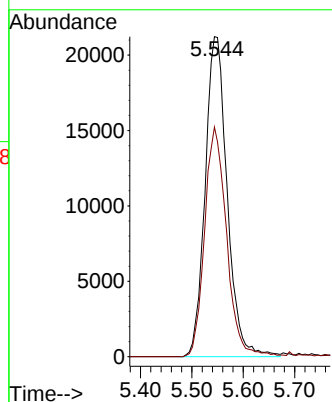
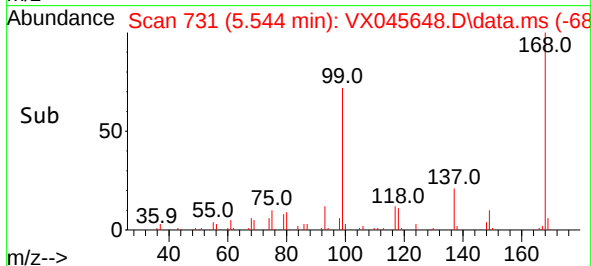


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

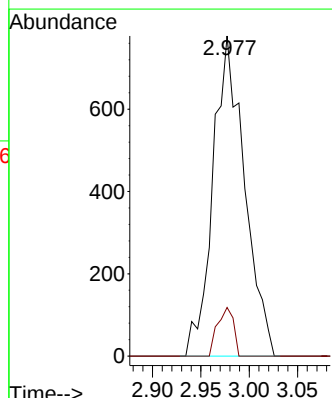
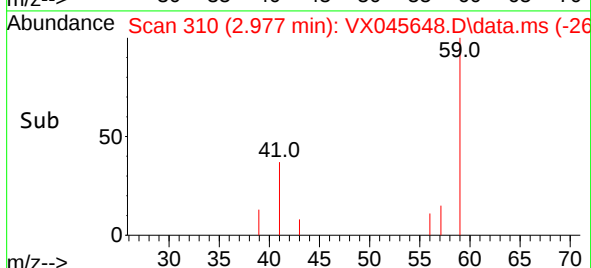
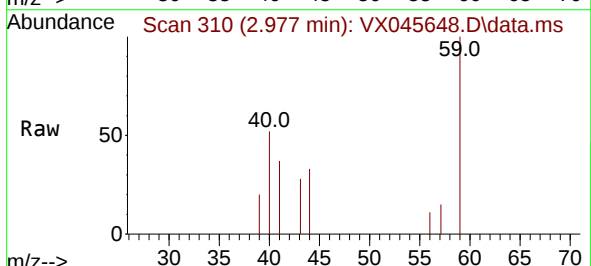


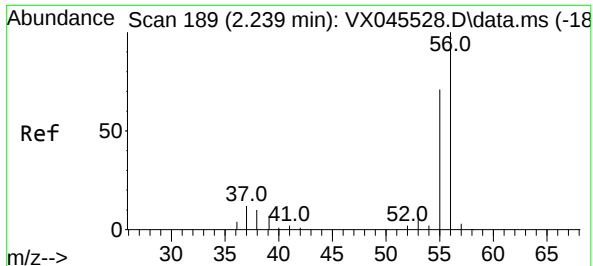
Tgt Ion:168 Resp: 63211
Ion Ratio Lower Upper
168 100
99 71.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 11.381 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 59 Resp: 1768
Ion Ratio Lower Upper
59 100
57 7.7 8.6 12.8#

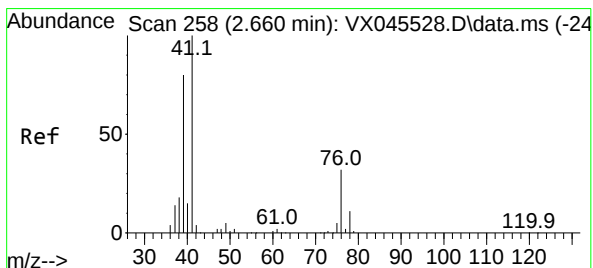
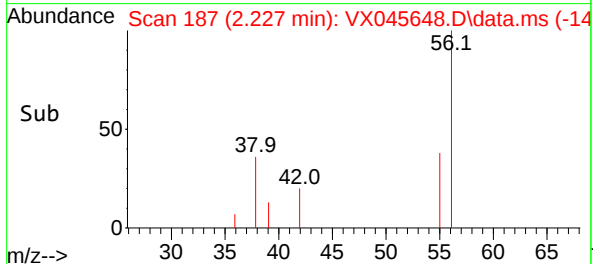
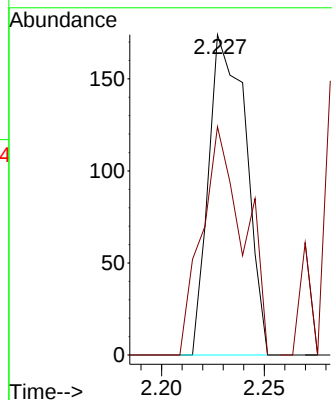
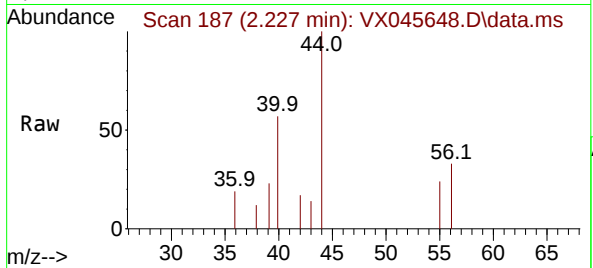




#13
Acrolein
Concen: 1.024 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

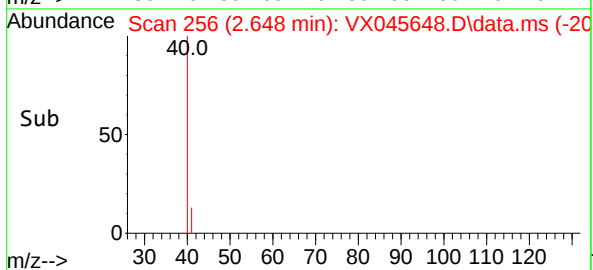
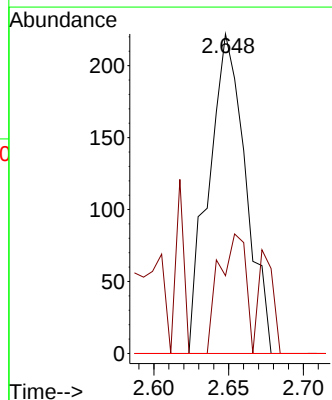
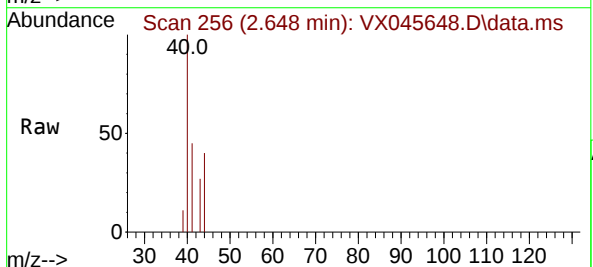
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

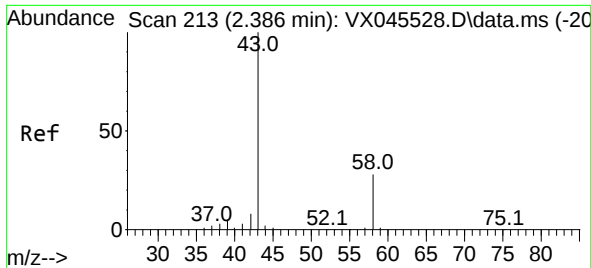
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 79.9 56.2 84.2



#14
Allyl chloride
Concen: 0.265 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 41 Resp: 382
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.2#
76 0.0 24.6 36.8#

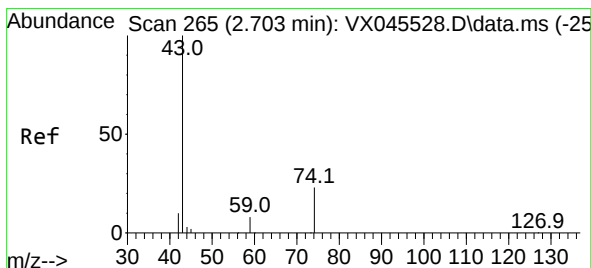
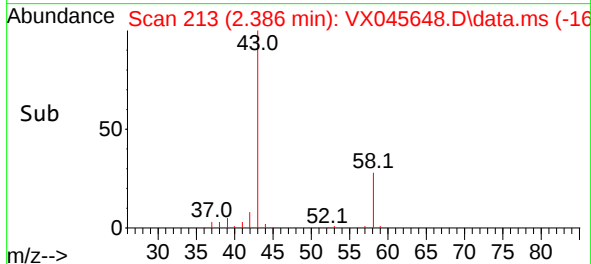
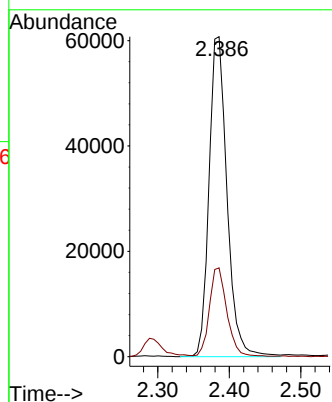
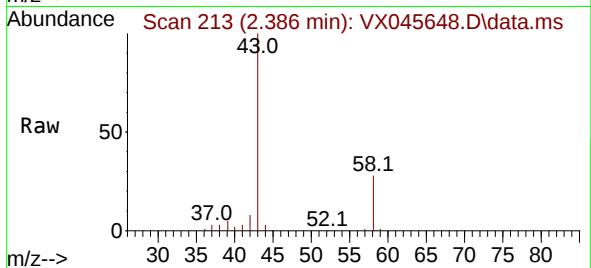




#16
Acetone
Concen: 223.593 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

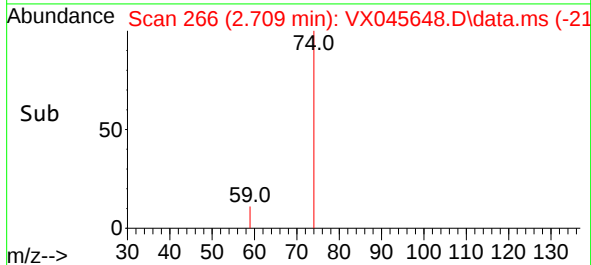
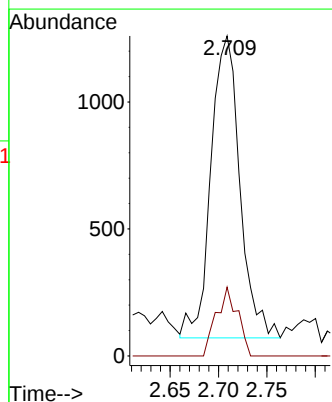
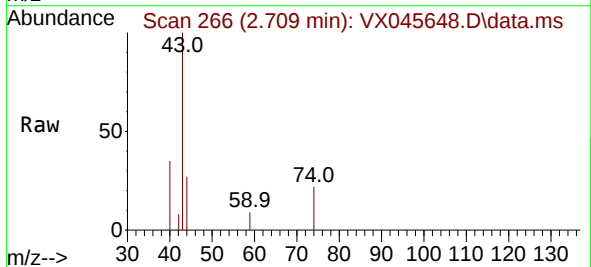
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

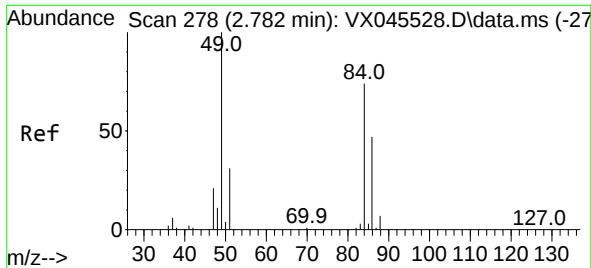
Tgt Ion: 43 Resp: 106133
Ion Ratio Lower Upper
43 100
58 27.6 22.3 33.5



#18
Methyl Acetate
Concen: 2.267 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
74 16.6 17.5 26.3#

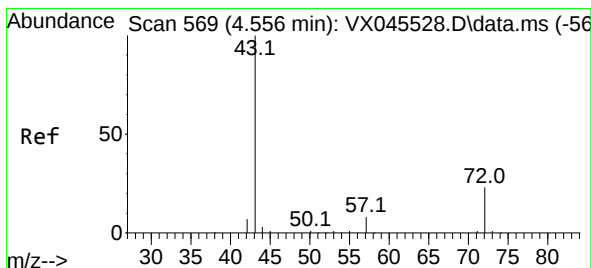
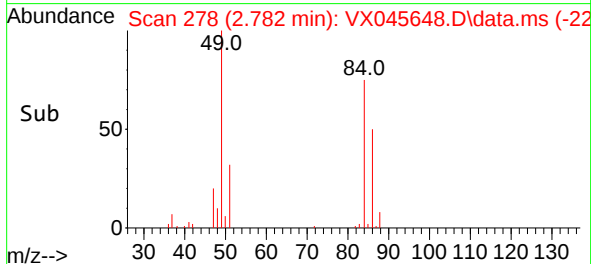
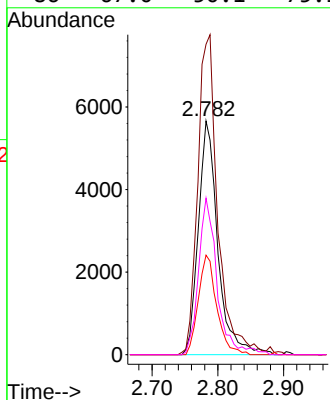
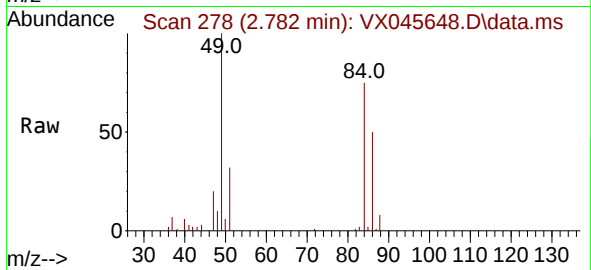




#20
Methylene Chloride
Concen: 13.126 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

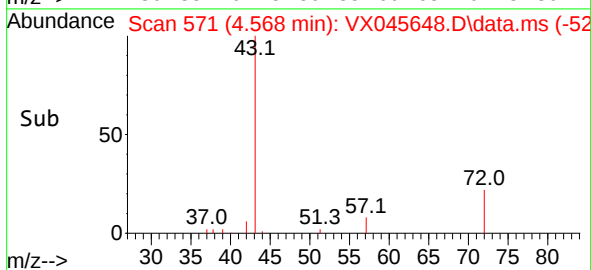
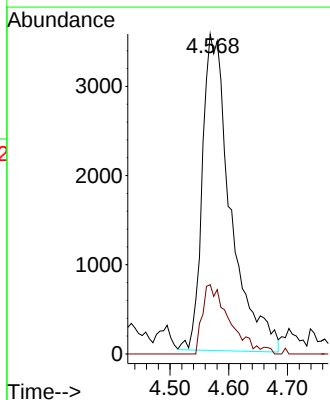
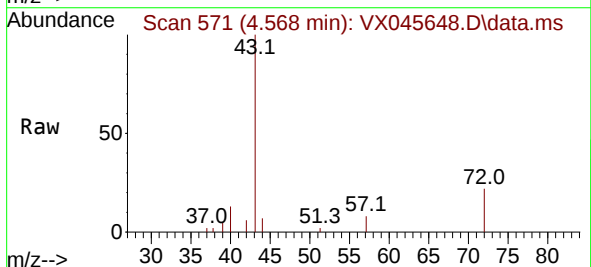
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

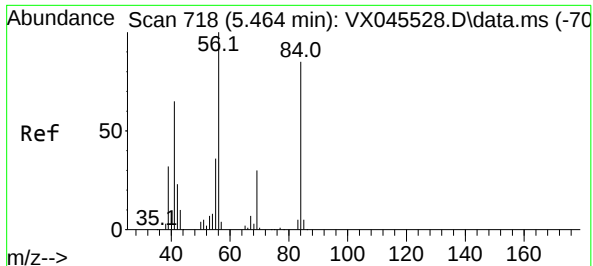
Tgt Ion:	84	Resp:	11664
Ion	Ratio	Lower	Upper
84	100		
49	132.9	107.5	161.3
51	42.6	33.0	49.6
86	67.0	50.1	75.1



#25
2-Butanone
Concen: 17.124 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

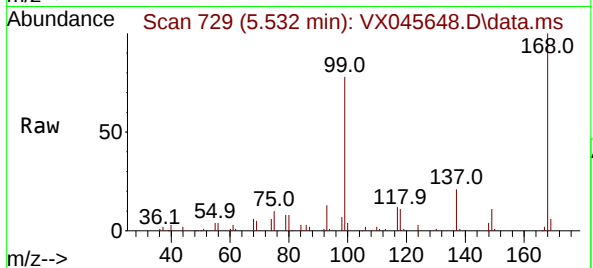
Tgt Ion:	43	Resp:	11898
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0



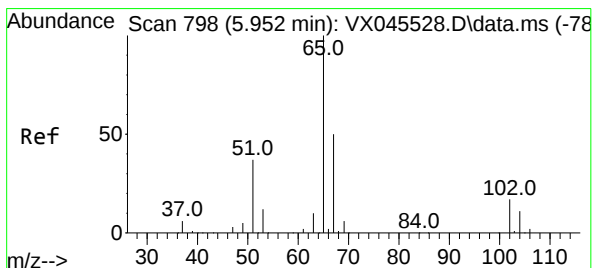
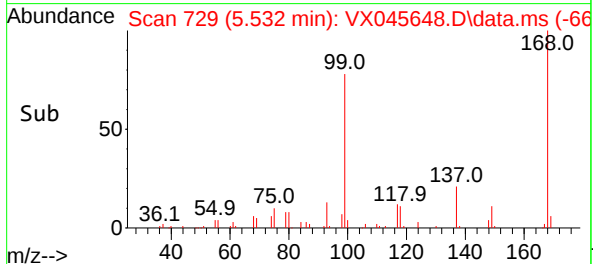
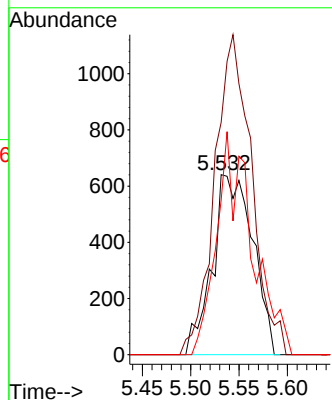


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

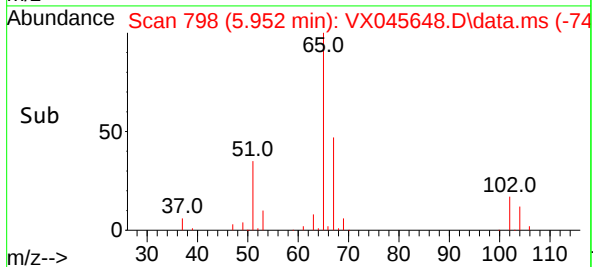
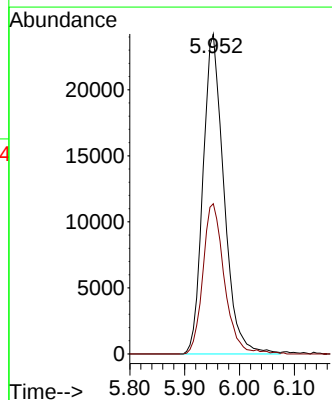
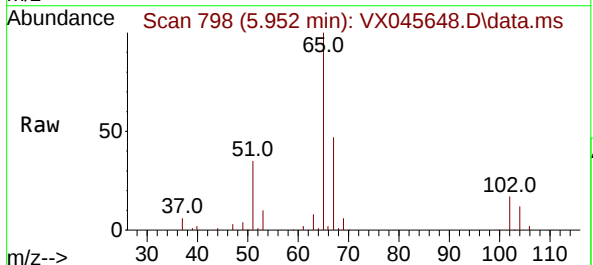


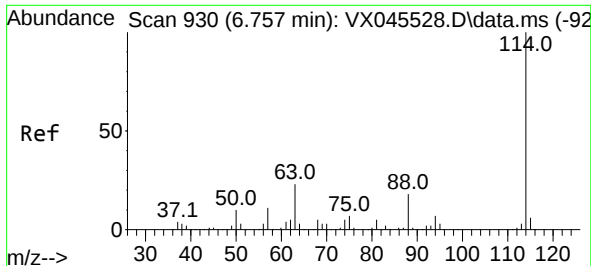
Tgt Ion: 56 Resp: 1865
Ion Ratio Lower Upper
56 100
69 129.0 23.6 35.4#
84 85.8 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.477 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 65 Resp: 64129
Ion Ratio Lower Upper
65 100
67 48.3 0.0 99.0

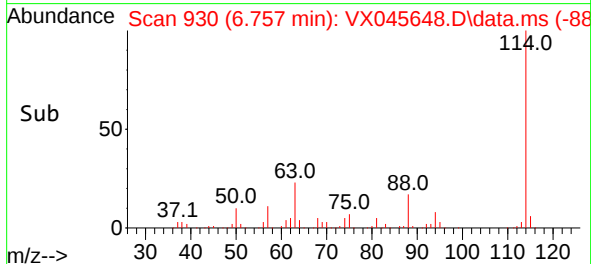
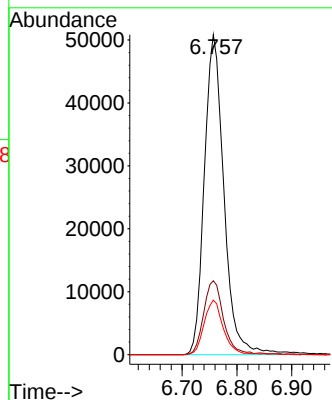
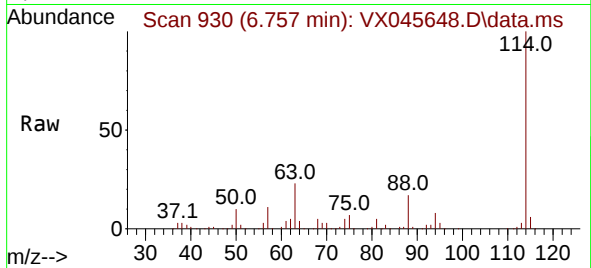




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

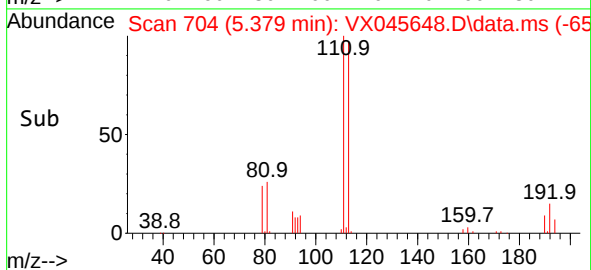
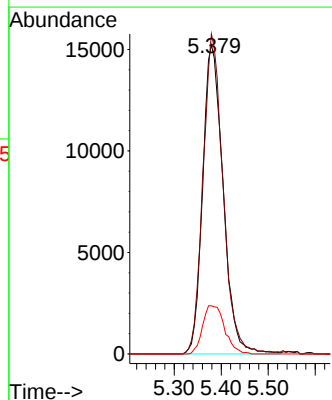
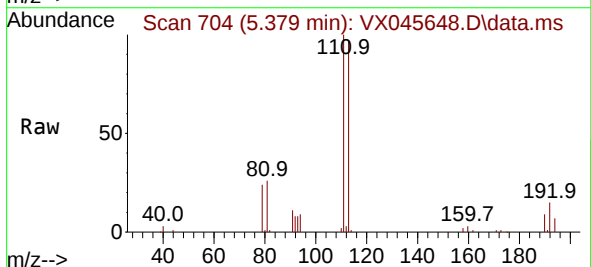
Instrument :
MSVOA_X
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PB167492ZHE06

Tgt Ion:114 Resp: 125784
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.366 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion:113 Resp: 45841
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 16.9 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.178 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045648.D

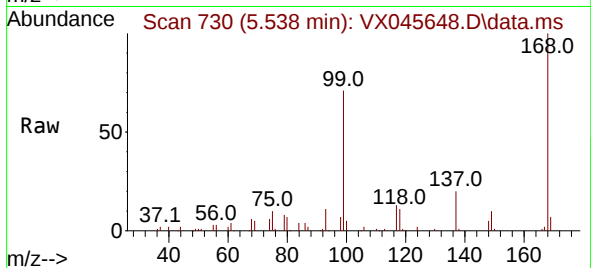
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Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE06



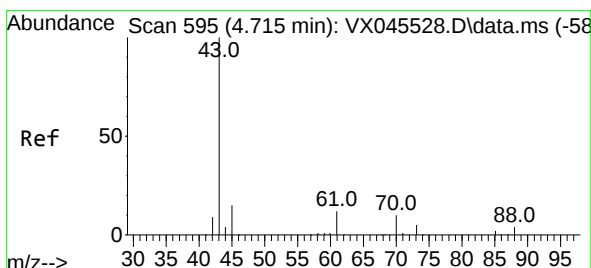
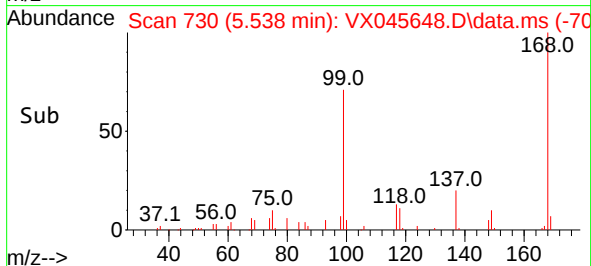
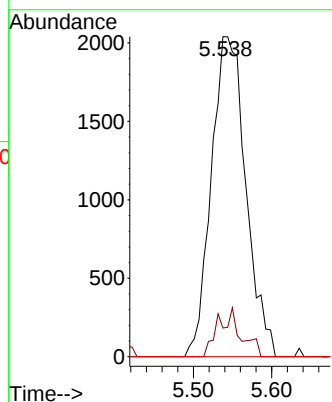
Tgt Ion: 75 Resp: 6239

Ion Ratio Lower Upper

75 100

110 10.1 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.252 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX045648.D

Acq: 08 Apr 2025 13:38

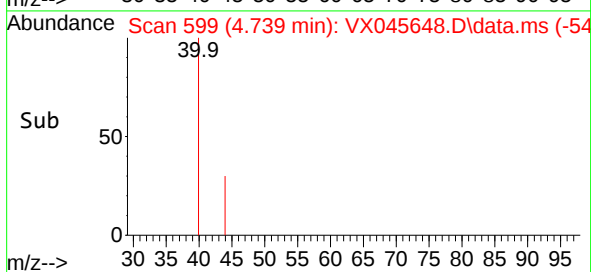
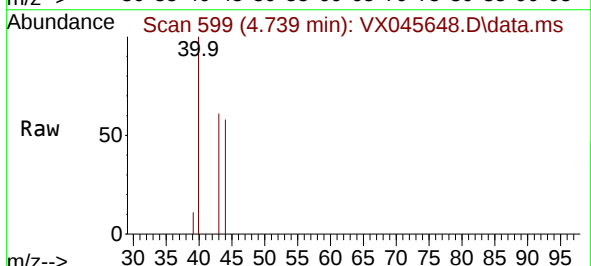
Tgt Ion: 43 Resp: 382

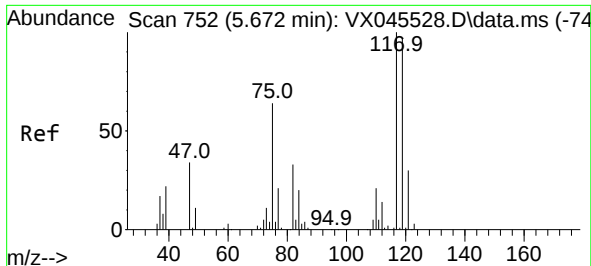
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

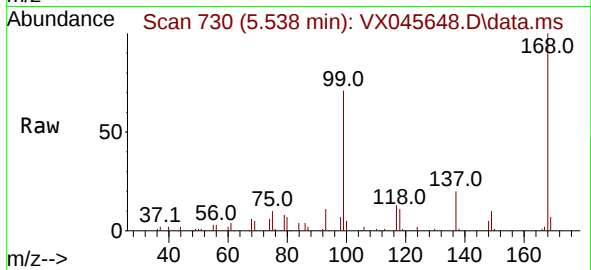
70 0.0 7.5 11.3#



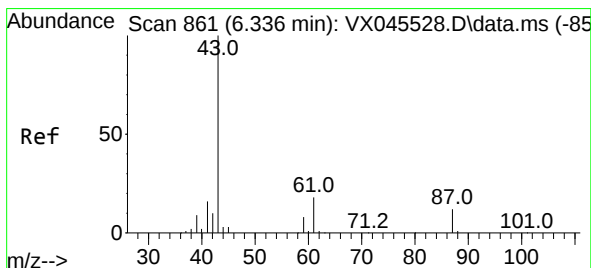
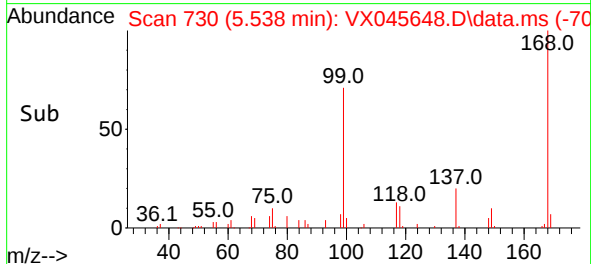
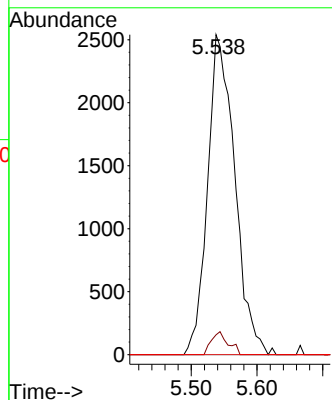


#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

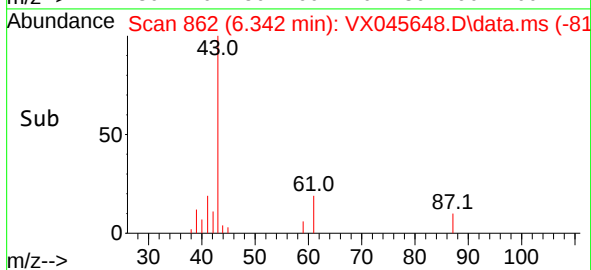
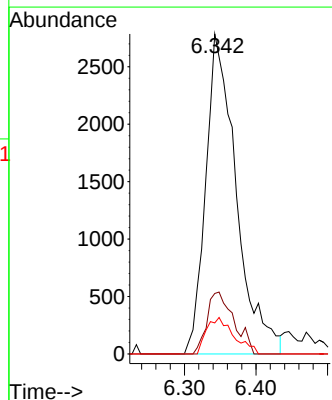
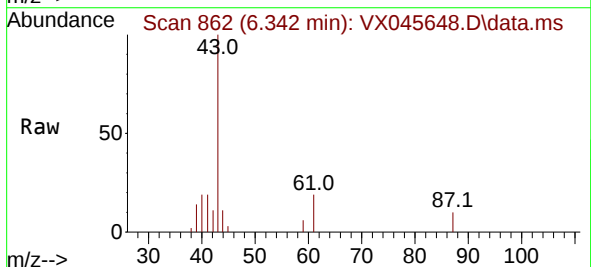


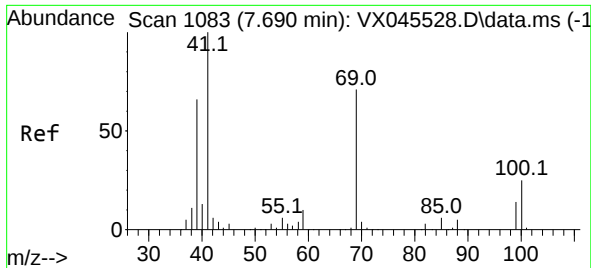
Tgt Ion:117 Resp: 7320
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.594 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 43 Resp: 8272
Ion Ratio Lower Upper
43 100
61 17.0 14.1 21.1
87 10.2 9.2 13.8

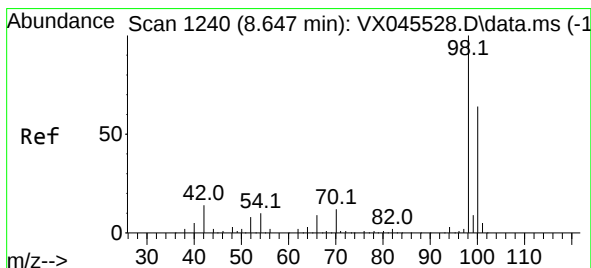
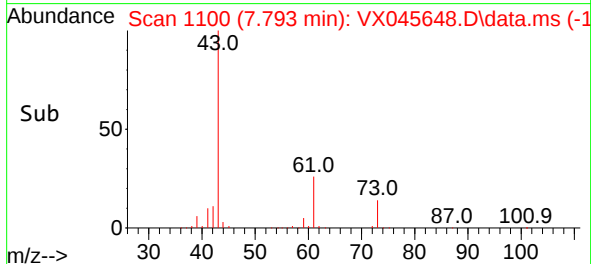
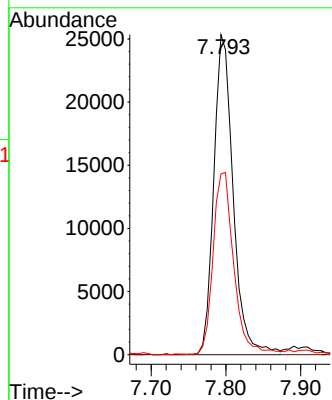
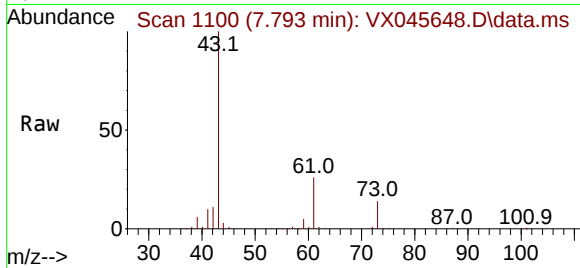




#48
Methyl methacrylate
Concen: 38.471 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

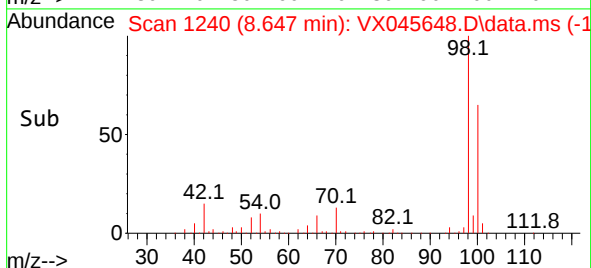
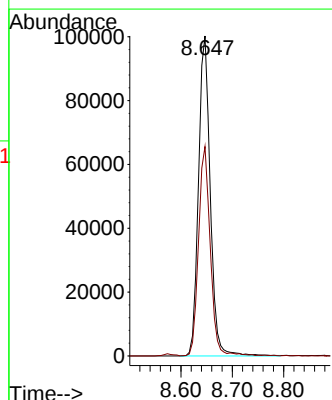
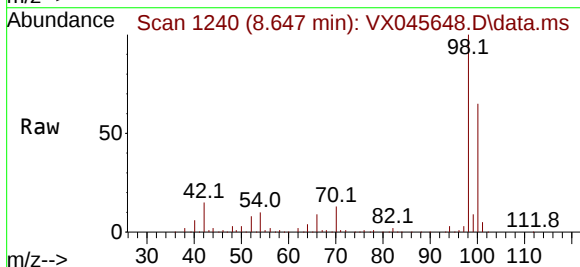
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

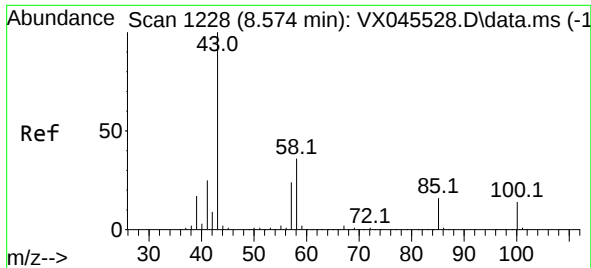
Tgt Ion: 41 Resp: 45715
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 61.1 53.6 80.4



#50
Toluene-d8
Concen: 51.294 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 98 Resp: 159778
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

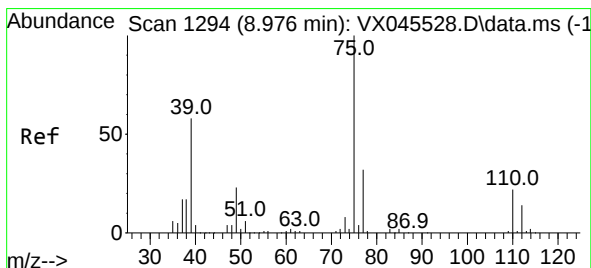
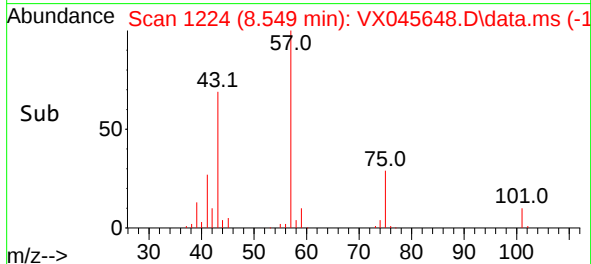
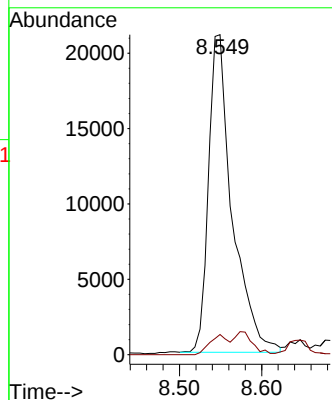
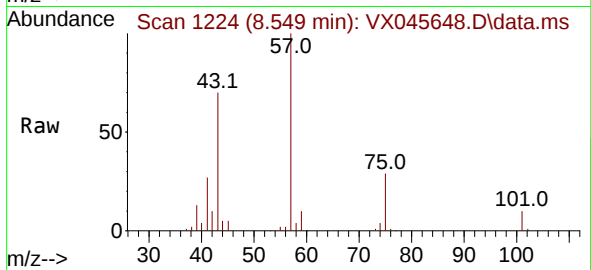




#51
4-Methyl-2-Pentanone
Concen: 27.674 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

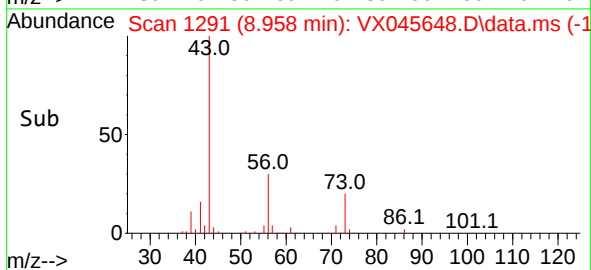
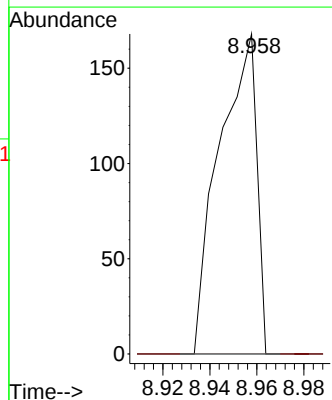
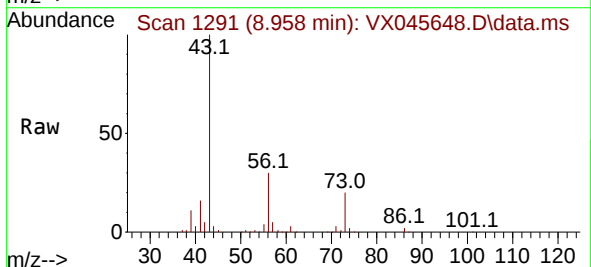
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

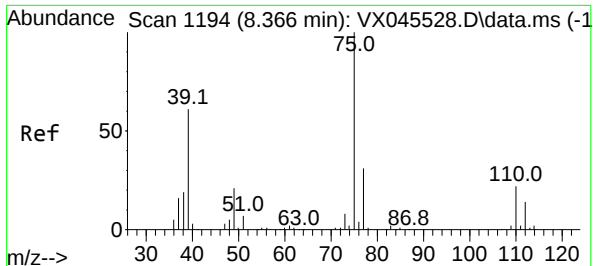
Tgt Ion: 43 Resp: 42222
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.420 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

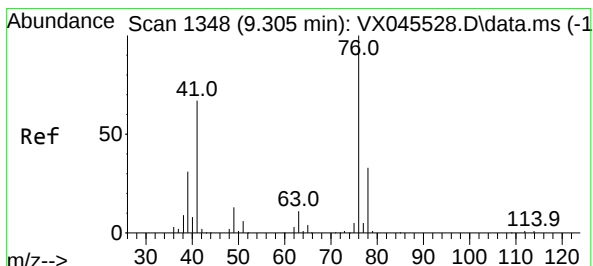
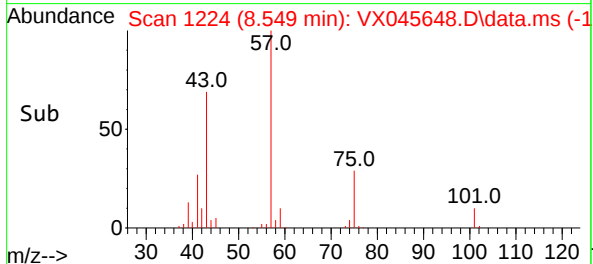
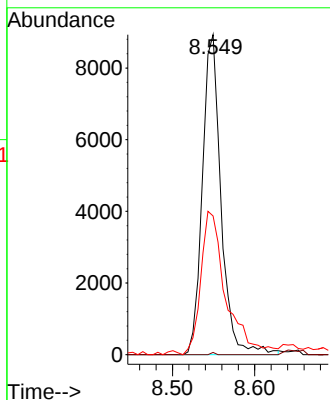
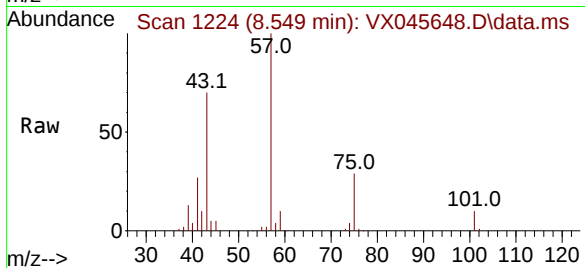




#54
cis-1,3-Dichloropropene
Concen: 10.636 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

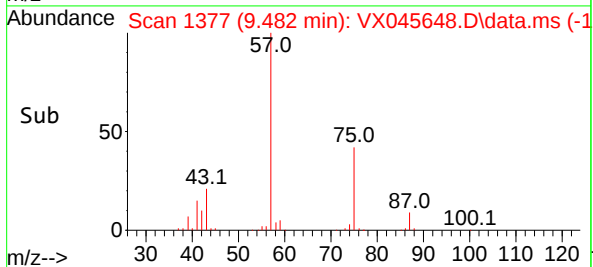
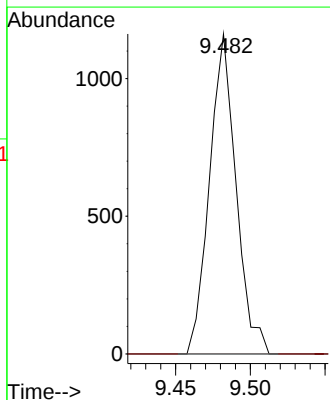
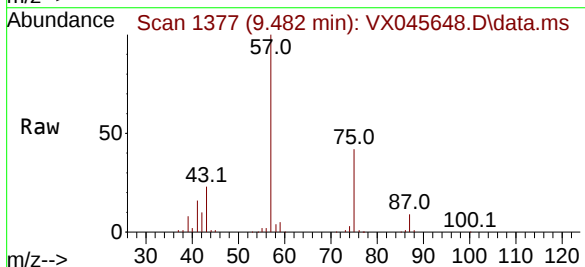
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

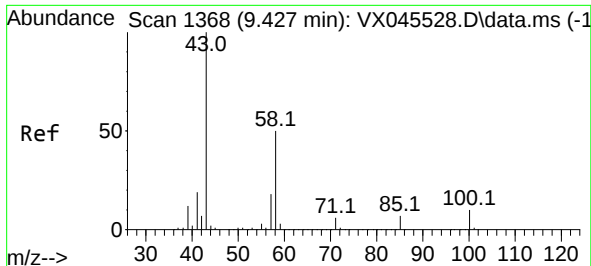
Tgt Ion: 75 Resp: 14069
Ion Ratio Lower Upper
75 100
77 0.7 24.6 36.8#
39 42.7 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.929 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 76 Resp: 1435
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

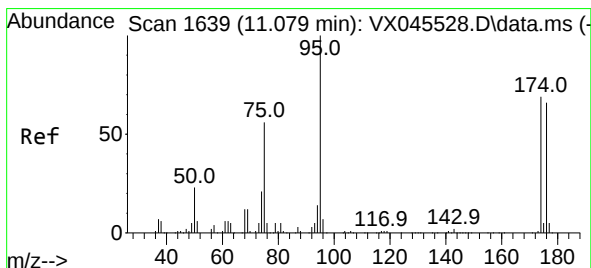
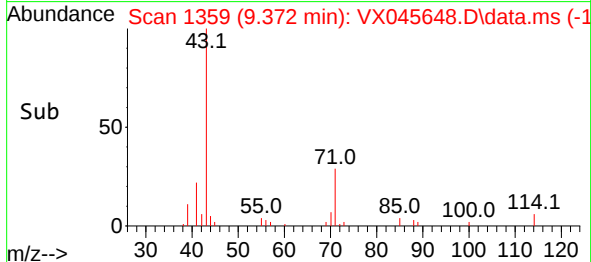
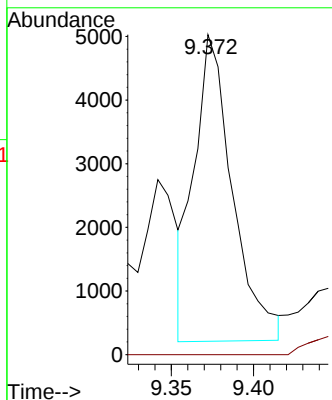
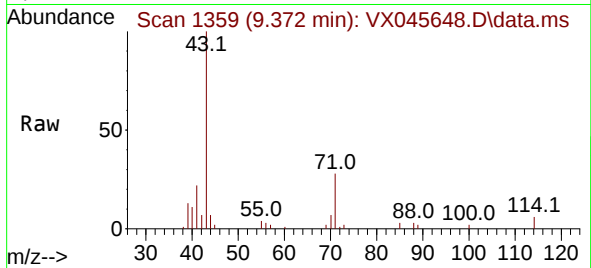




#59
2-Hexanone
Concen: 6.884 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

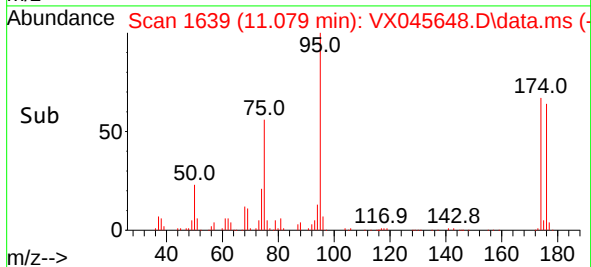
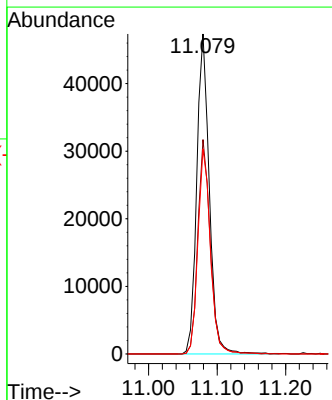
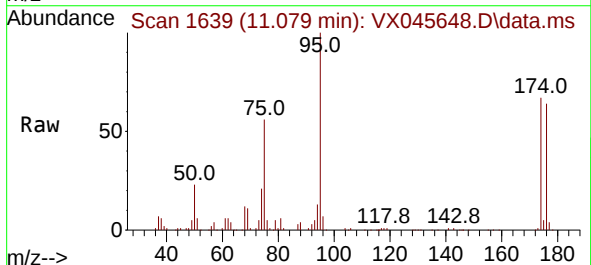
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

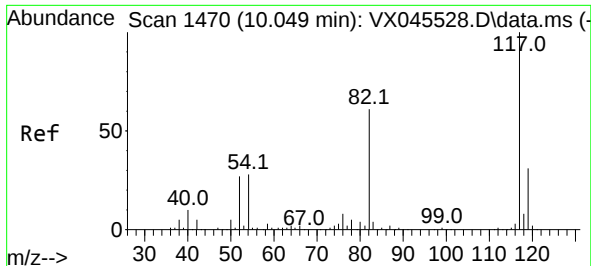
Tgt Ion: 43 Resp: 7778
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 95 Resp: 60205
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.2 0.0 131.4

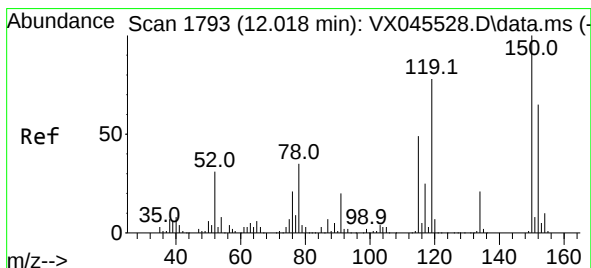
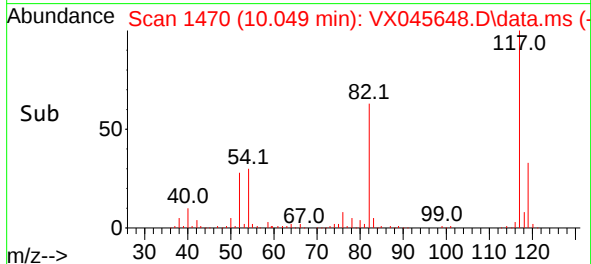
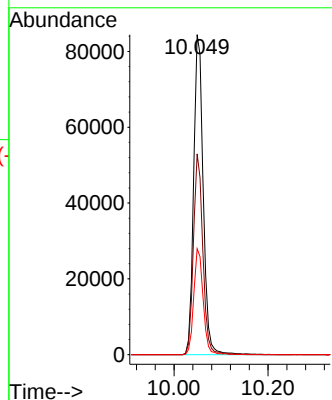
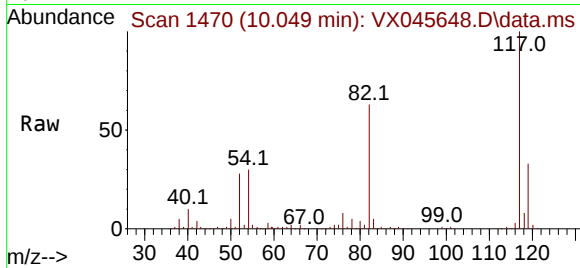




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

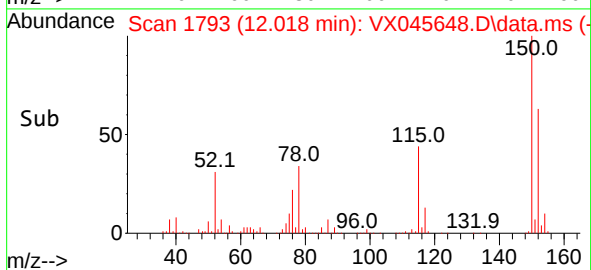
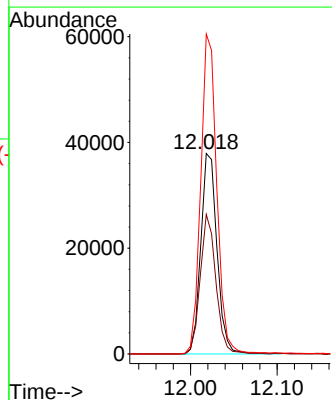
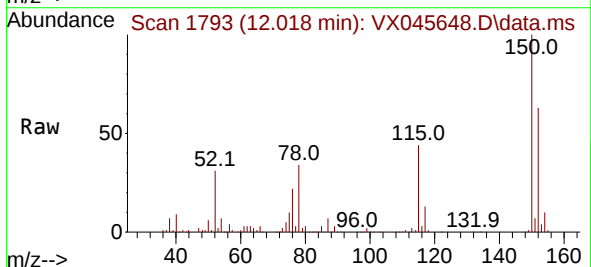
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

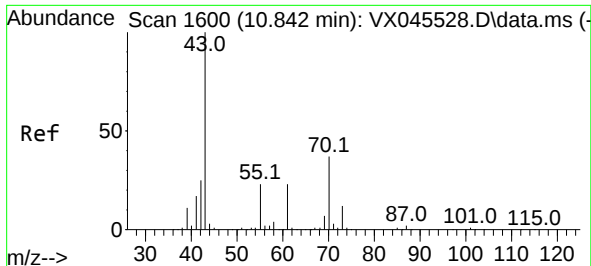
Tgt Ion:117 Resp: 119849
Ion Ratio Lower Upper
117 100
82 62.8 49.2 73.8
119 33.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion:152 Resp: 49549
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 157.9 0.0 349.4

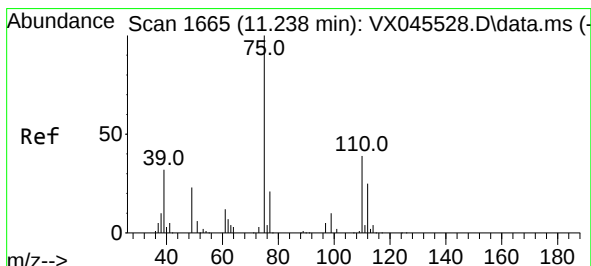
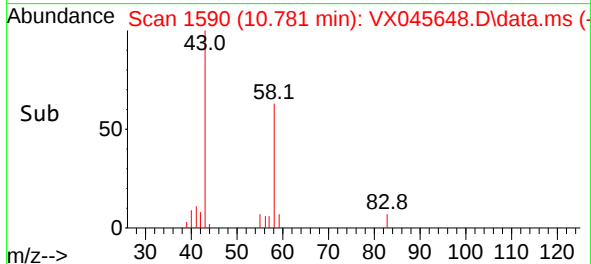
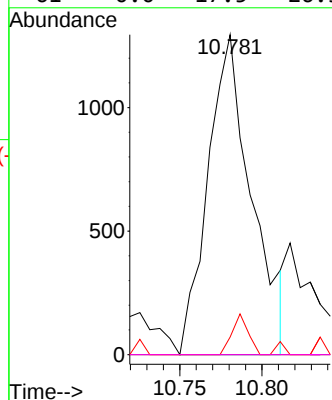
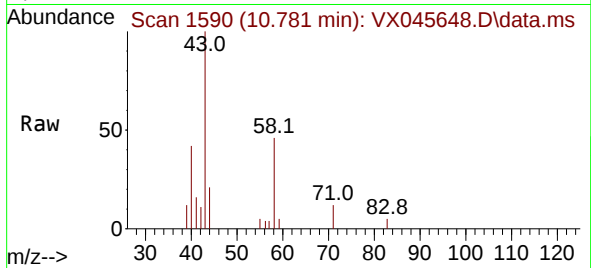




#74
N-amy1 acetate
Concen: 1.258 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

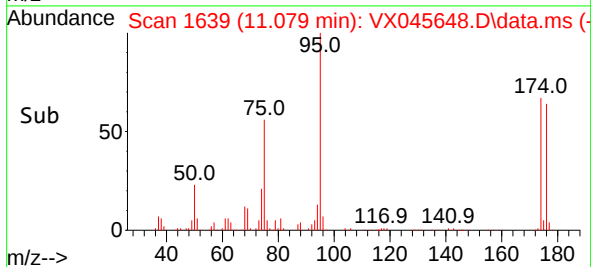
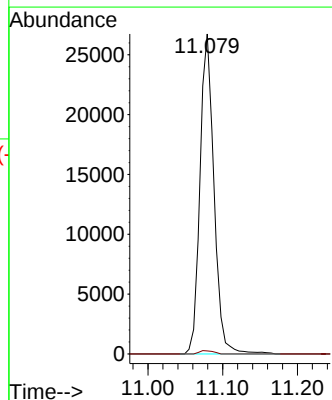
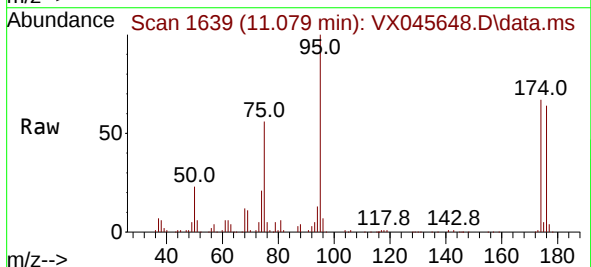
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

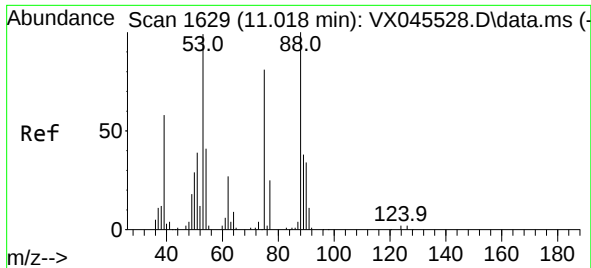
Tgt Ion: 43	Resp: 2388
Ion Ratio	Lower Upper
43 100	
70 0.0	30.1 45.1#
55 4.7	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 28.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 75	Resp: 34770
Ion Ratio	Lower Upper
75 100	
77 1.0	20.0 59.9#

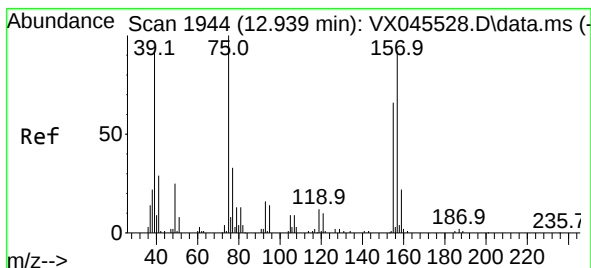
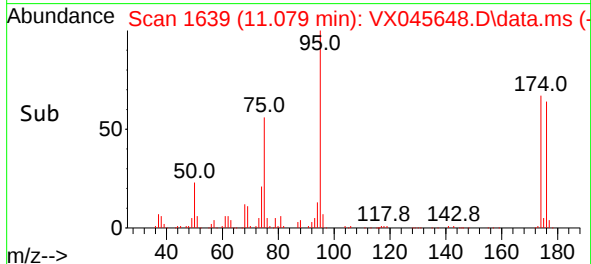
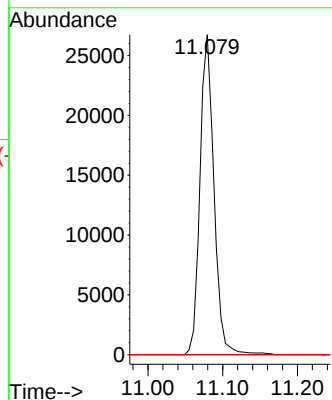
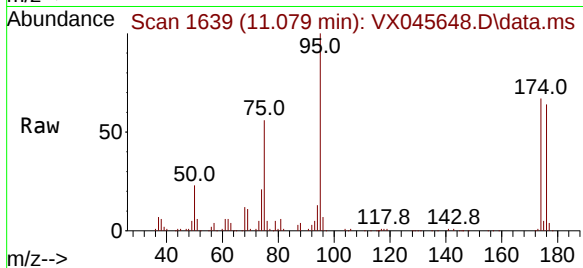




#81
trans-1,4-Dichloro-2-butene
Concen: 97.636 ug/l
RT: 11.079 min Scan# 1107
Delta R.T. 0.061 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE06

Tgt Ion: 75 Resp: 34770
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.322 ug/l
RT: 13.018 min Scan# 1957
Delta R.T. 0.079 min
Lab File: VX045648.D
Acq: 08 Apr 2025 13:38

Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.7#
157 0.0 44.9 134.7#

