

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045476.D
 Acq On : 27 Mar 2025 14:50
 Operator : JC/MD
 Sample : P167330TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330TB

Quant Time: Mar 28 01:35:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

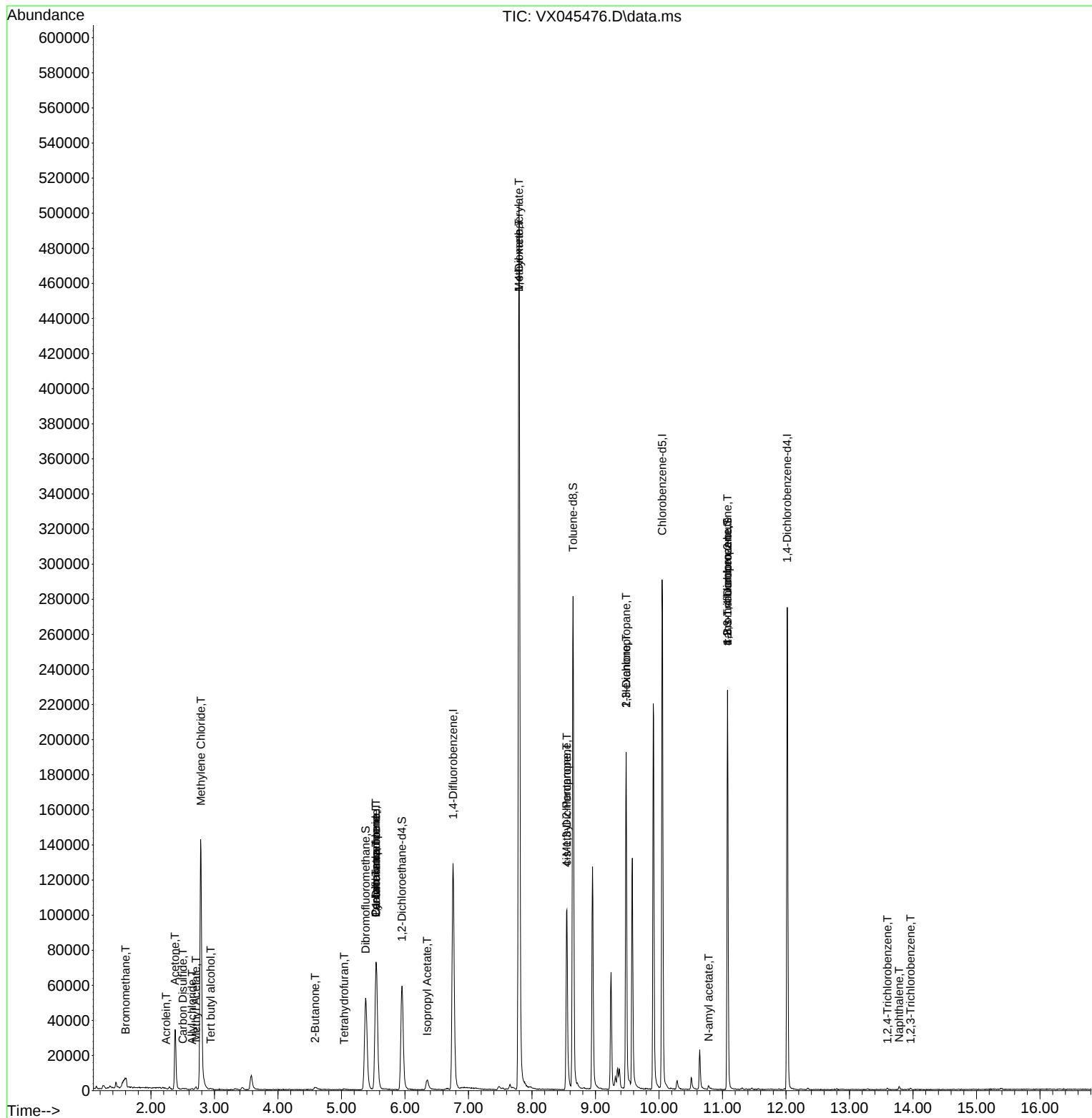
Internal Standards						
1) Pentafluorobenzene	5.544	168	63934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59038	58.053	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.100%	
35) Dibromofluoromethane	5.379	113	45592	55.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.800%	
50) Toluene-d8	8.647	98	158312	53.067	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	11.079	95	57377	58.041	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	153	0.398	ug/l	87
11) Tert butyl alcohol	2.941	59	180	0.934	ug/l #	73
13) Acrolein	2.239	56	188	0.844	ug/l #	60
14) Allyl chloride	2.648	41	328	0.235	ug/l #	59
16) Acetone	2.380	43	37970	80.472	ug/l	97
17) Carbon Disulfide	2.502	76	679	0.325	ug/l #	77
18) Methyl Acetate	2.709	43	1928	1.699	ug/l	99
20) Methylene Chloride	2.788	84	65312	69.878	ug/l	98
25) 2-Butanone	4.587	43	3378	4.756	ug/l	95
29) Tetrahydrofuran	5.044	42	324	0.679	ug/l #	40
31) Cyclohexane	5.544	56	1871	1.352	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6280	5.565	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7306	6.377	ug/l #	16
43) Isopropyl Acetate	6.349	43	8941	4.158	ug/l #	83
48) Methyl methacrylate	7.793	41	48604	45.055	ug/l #	49
49) 1,4-Dioxane	7.793	88	23	1.011	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	41663	28.857	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15450	12.477	ug/l #	75
57) 1,3-Dichloropropane	9.482	76	1645	1.104	ug/l #	43
59) 2-Hexanone	9.482	43	25701	24.569	ug/l #	52
74) N-amyl acetate	10.781	43	1787	0.981	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	33154	28.634	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33154	97.992	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	353	0.378	ug/l	85
95) Naphthalene	13.780	128	1688	0.471	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	290	0.294	ug/l #	79

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

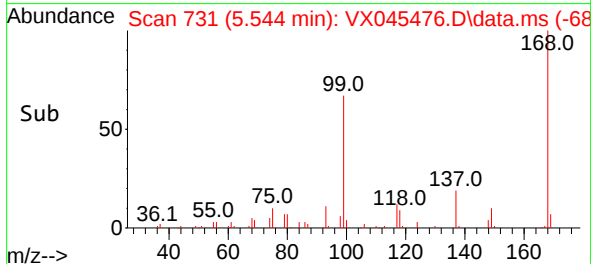
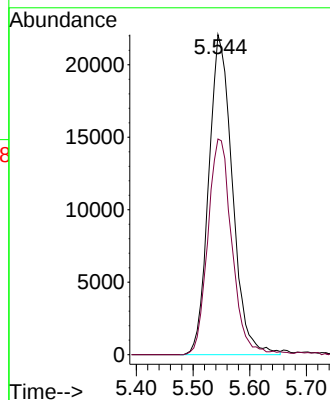
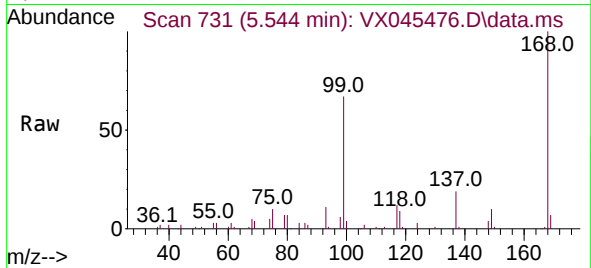




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

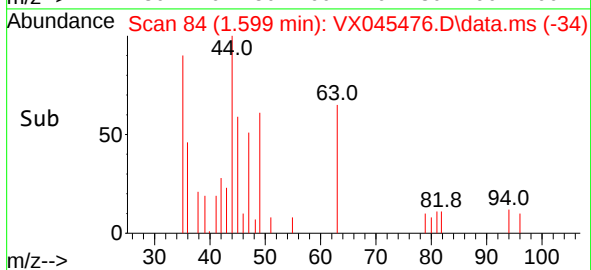
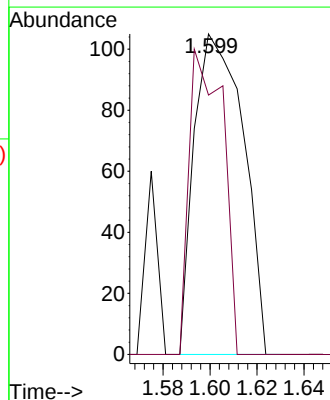
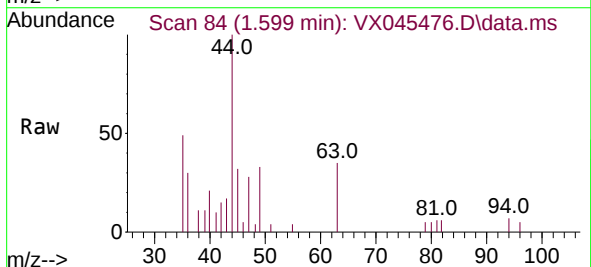
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

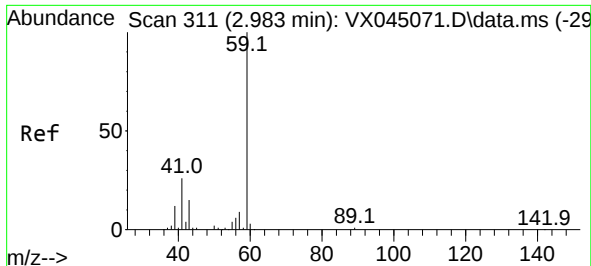
Tgt Ion:168 Resp: 63934
Ion Ratio Lower Upper
168 100
99 67.4 48.2 72.4



#5
Bromomethane
Concen: 0.398 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 81.0 75.0 112.4

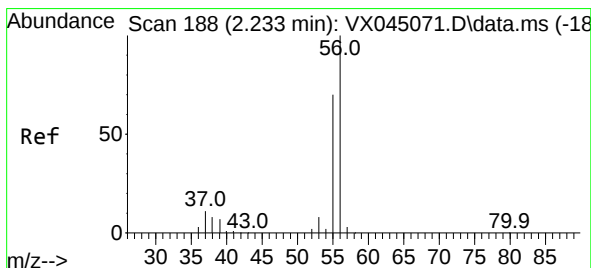
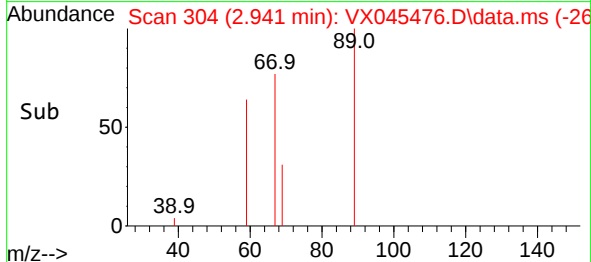
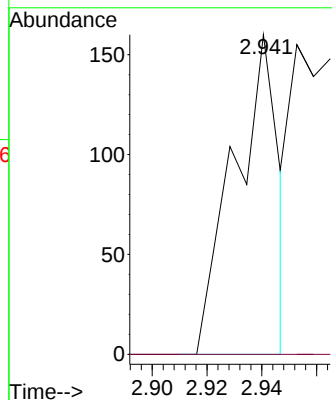
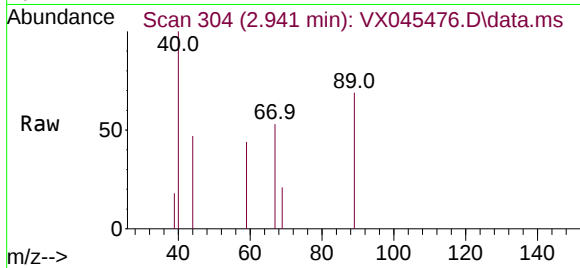




#11
Tert butyl alcohol
Concen: 0.934 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

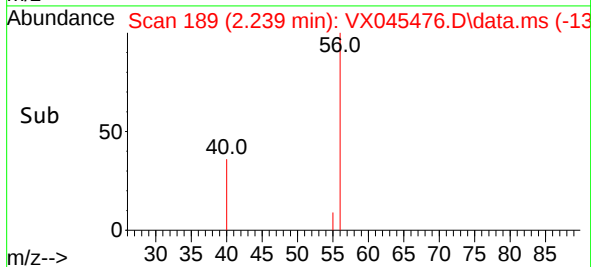
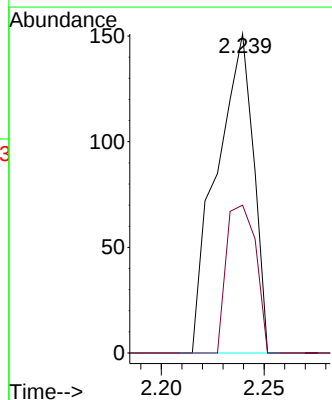
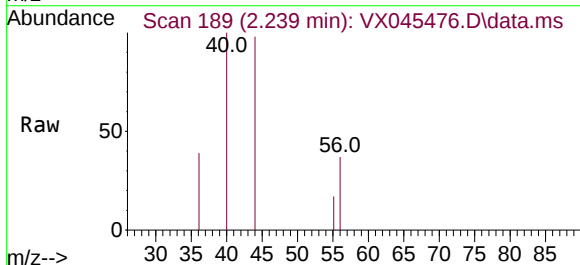
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

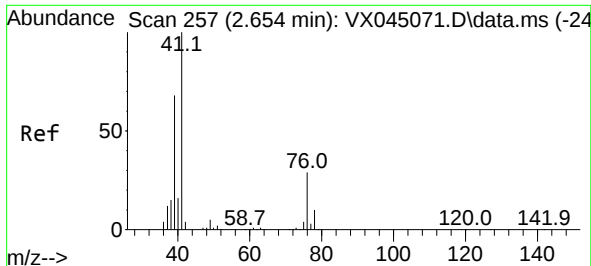
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.844 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 37.2 56.2 84.4#

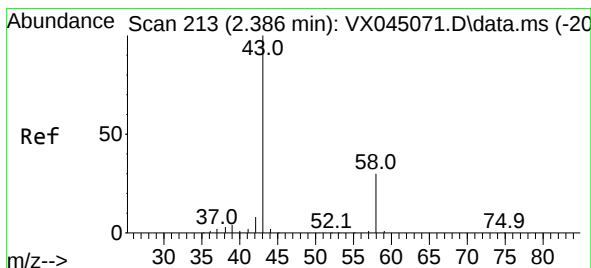
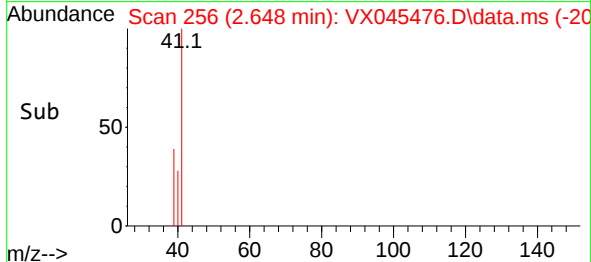
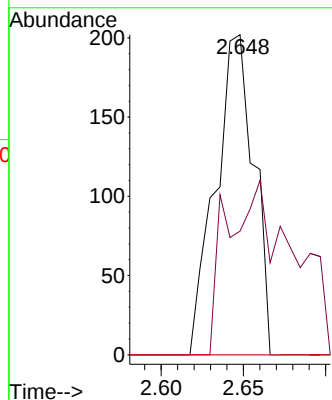
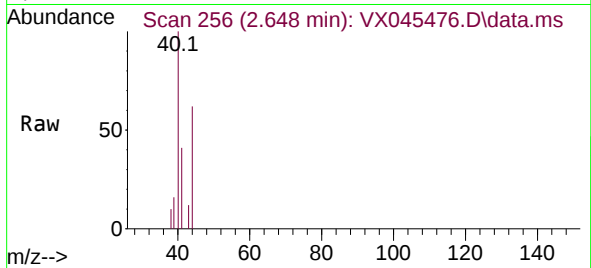




#14
Allyl chloride
Concen: 0.235 ug/l
RT: 2.648 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

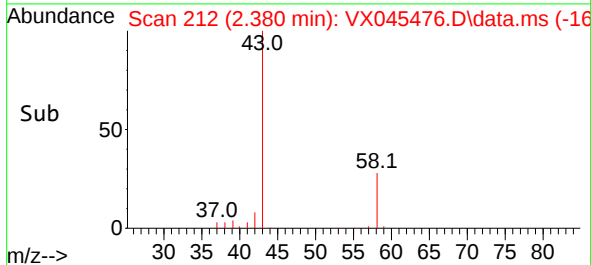
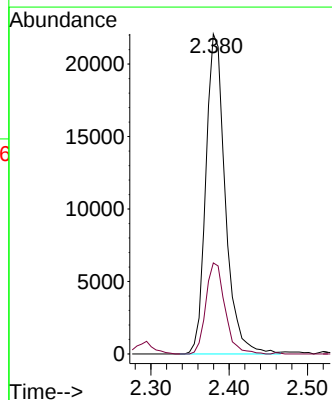
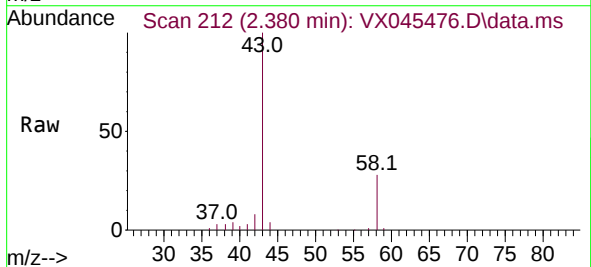
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

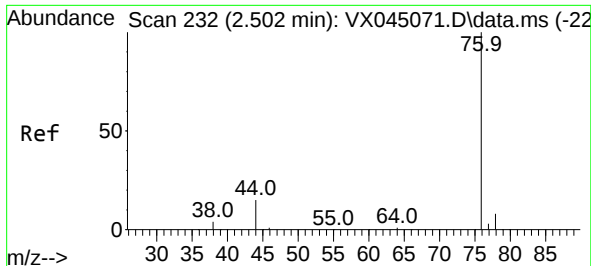
Tgt Ion: 41 Resp: 328
Ion Ratio Lower Upper
41 100
39 93.9 53.8 80.8#
76 0.0 25.2 37.8#



#16
Acetone
Concen: 80.472 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 43 Resp: 37970
Ion Ratio Lower Upper
43 100
58 28.4 24.2 36.4

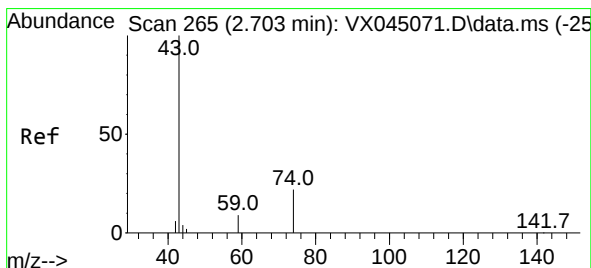
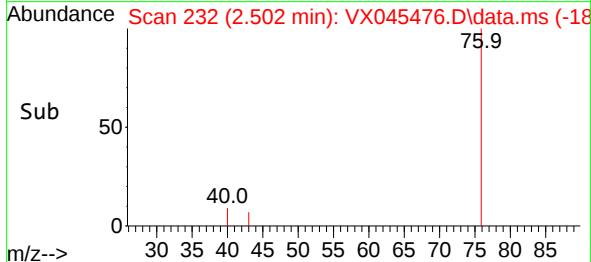
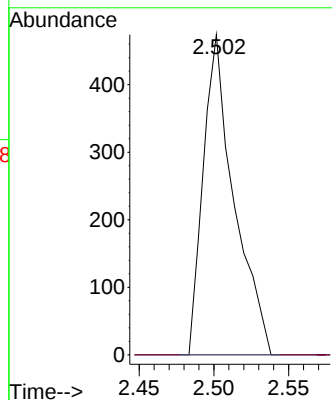
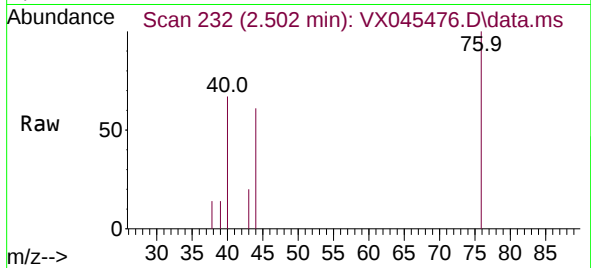




#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

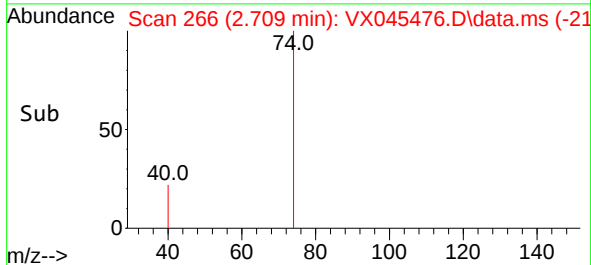
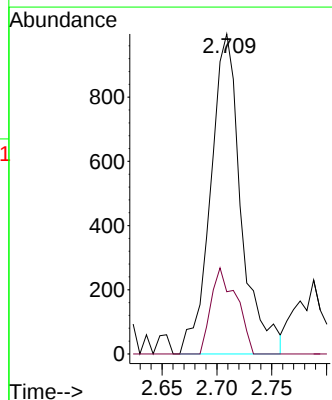
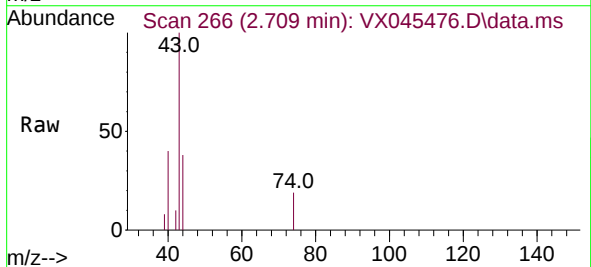
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

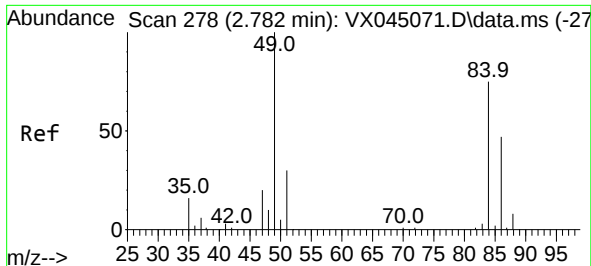
Tgt Ion: 76 Resp: 679
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 1.699 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
74 22.4 17.4 26.2





#20

Methylene Chloride

Concen: 69.878 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

P167330TB

Tgt Ion: 84 Resp: 65312

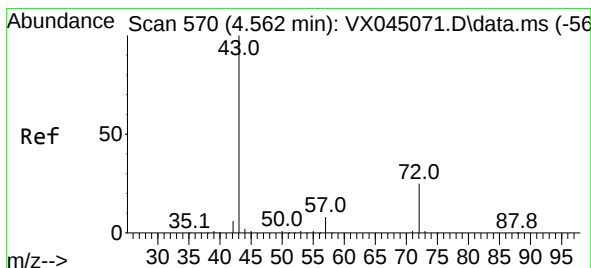
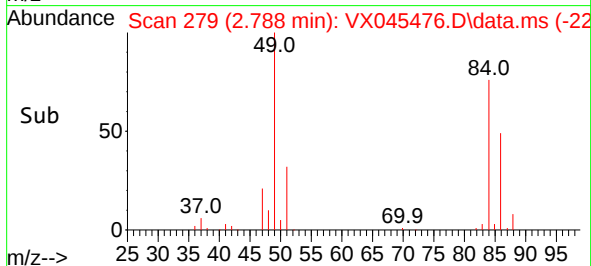
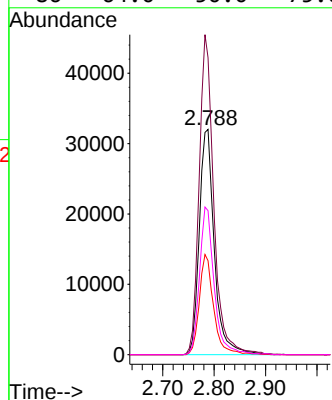
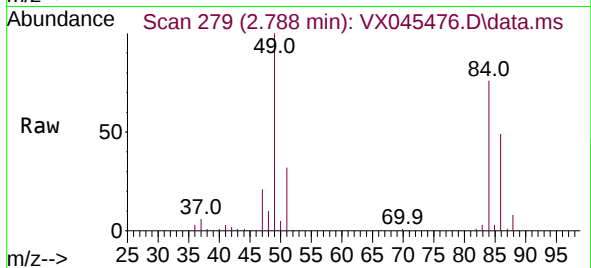
Ion Ratio Lower Upper

84 100

49 131.8 106.5 159.7

51 41.7 32.1 48.1

86 64.0 50.0 75.0



#25

2-Butanone

Concen: 4.756 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.024 min

Lab File: VX045476.D

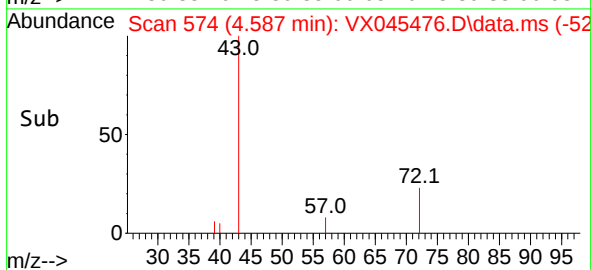
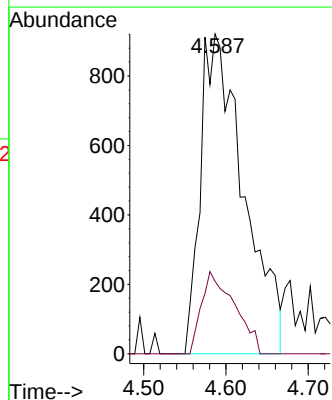
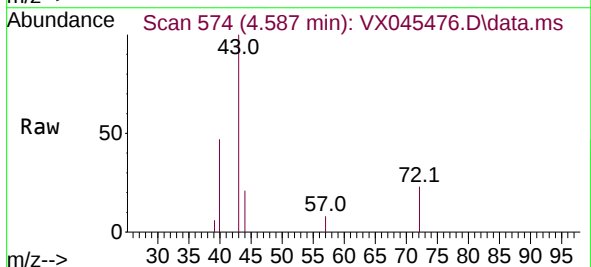
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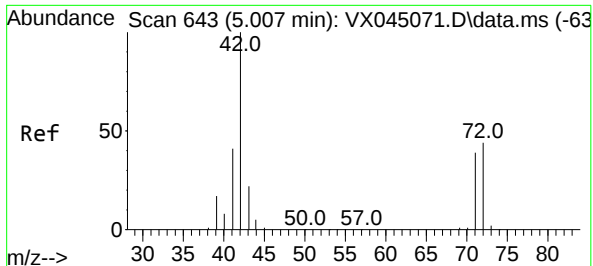
Tgt Ion: 43 Resp: 3378

Ion Ratio Lower Upper

43 100

72 22.7 20.0 30.0





#29

Tetrahydrofuran

Concen: 0.679 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

Instrument :

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ClientSampleId :

P167330TB

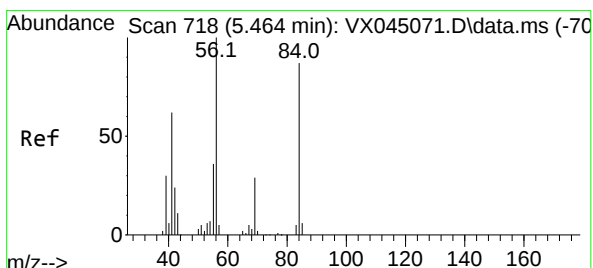
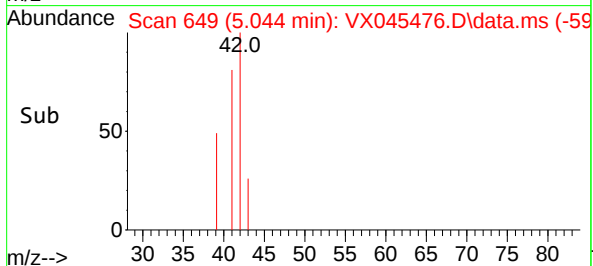
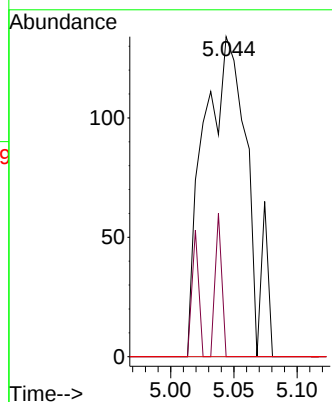
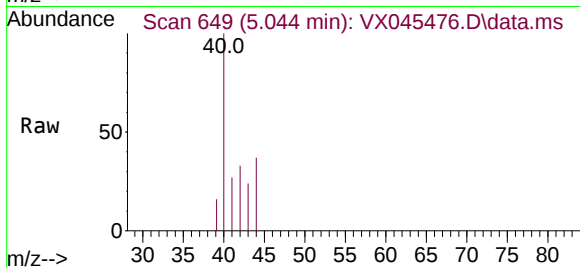
Tgt Ion: 42 Resp: 324

Ion Ratio Lower Upper

42 100

72 6.8 34.1 51.1#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

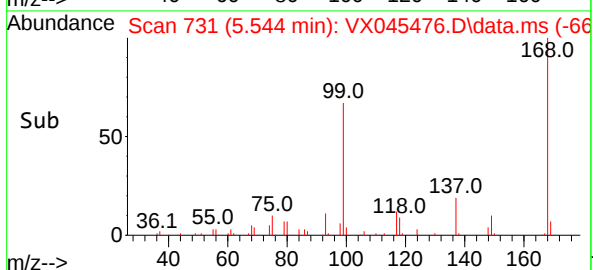
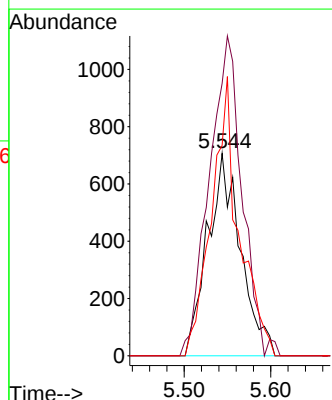
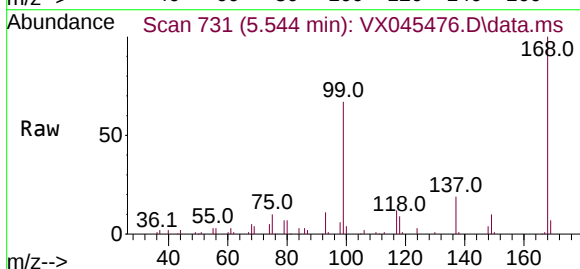
Tgt Ion: 56 Resp: 1871

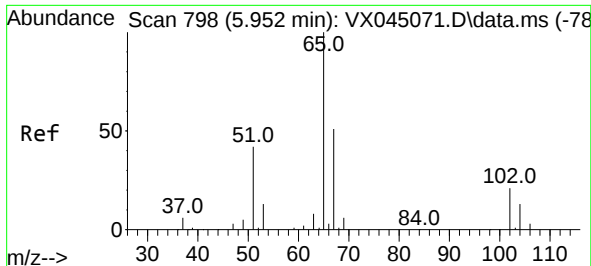
Ion Ratio Lower Upper

56 100

69 134.5 23.4 35.2#

84 104.0 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 58.053 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

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ClientSampleId :

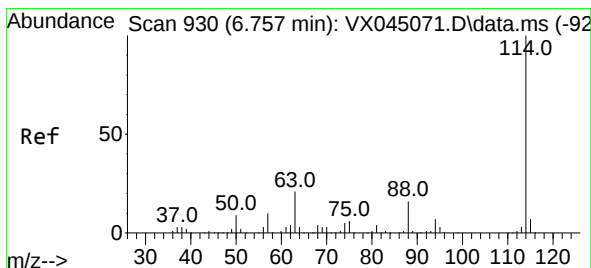
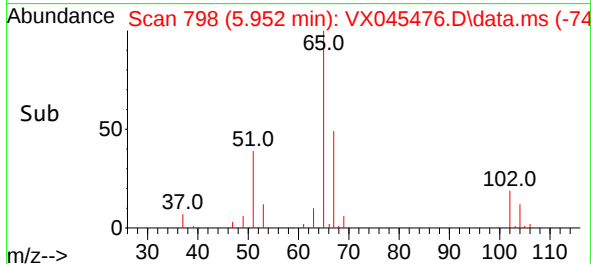
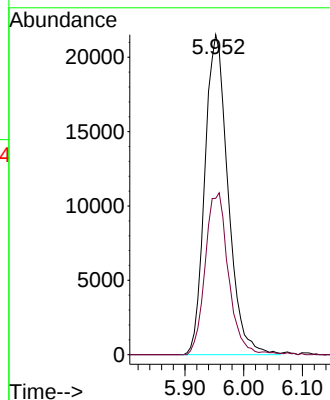
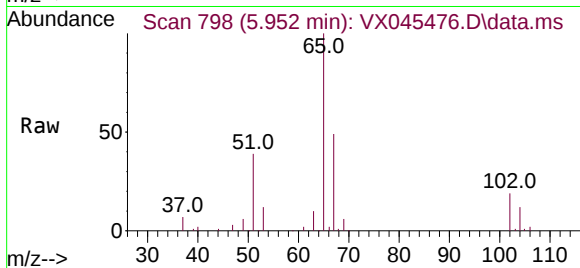
P167330TB

Tgt Ion: 65 Resp: 59038

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

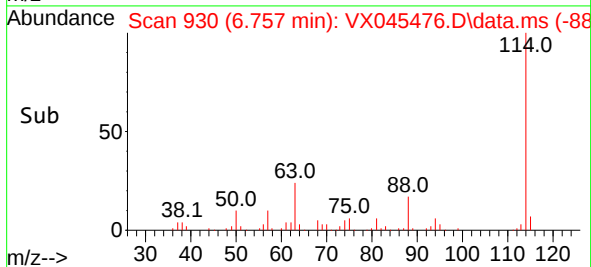
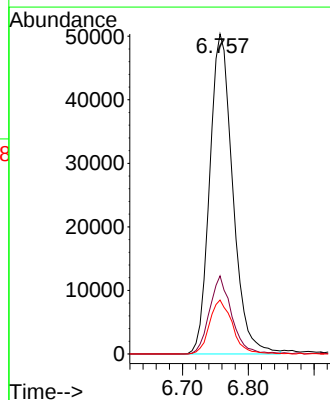
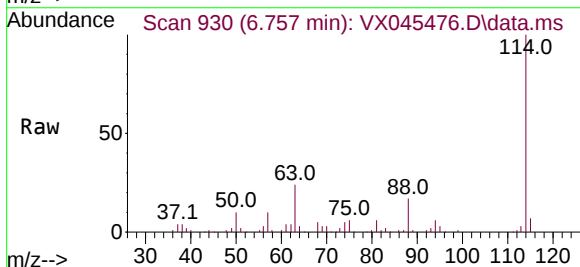
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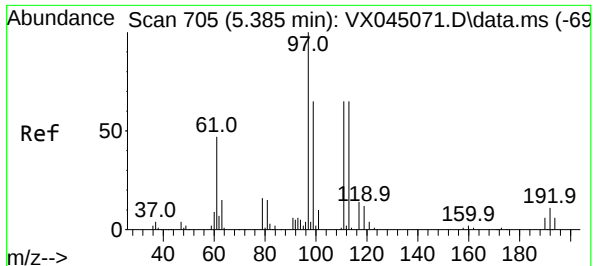
Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.8

88 16.8 0.0 32.8

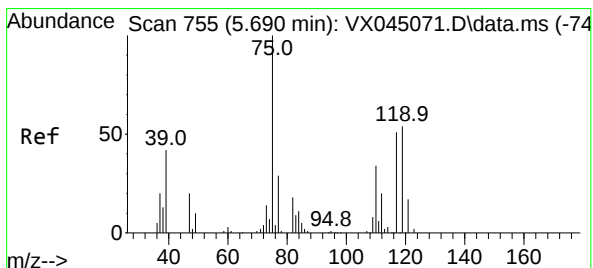
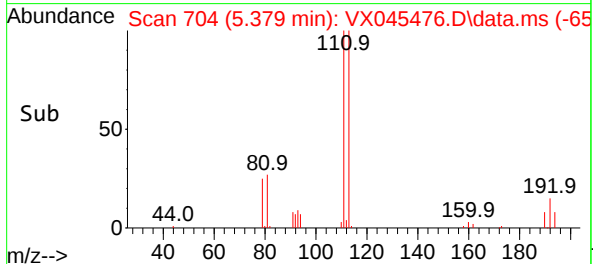
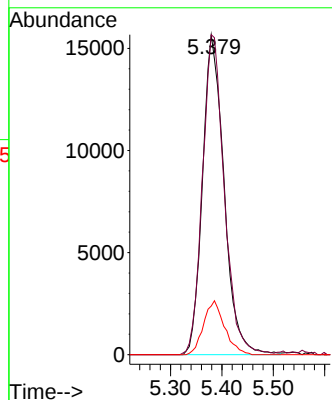
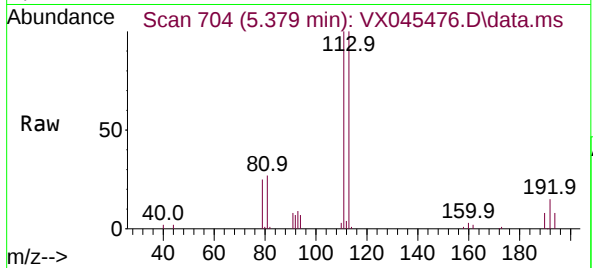




#35
Dibromofluoromethane
Concen: 55.405 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

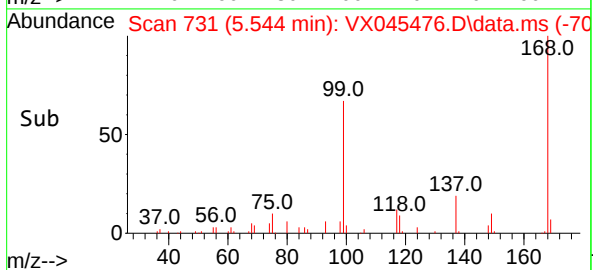
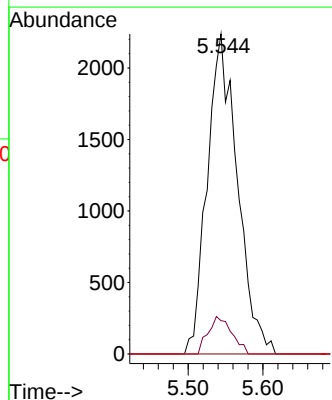
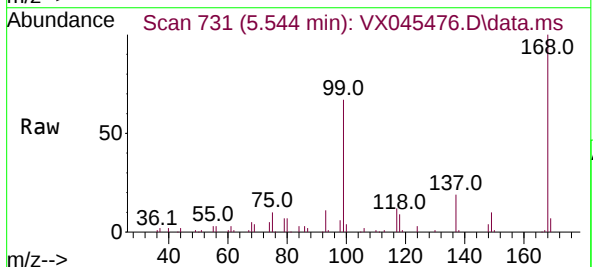
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

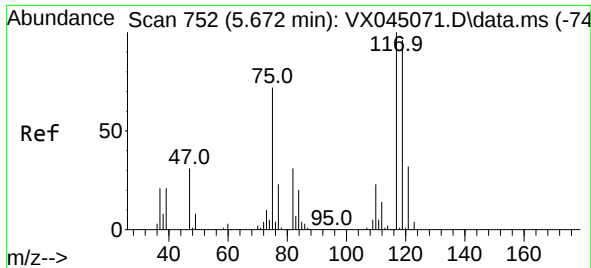
Tgt Ion:113 Resp: 45592
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.6
192 16.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.565 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

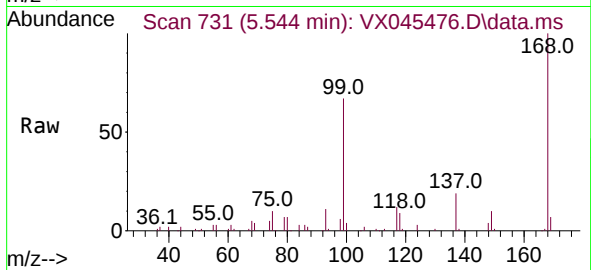
Tgt Ion: 75 Resp: 6280
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.6#
77 0.0 24.5 36.7#



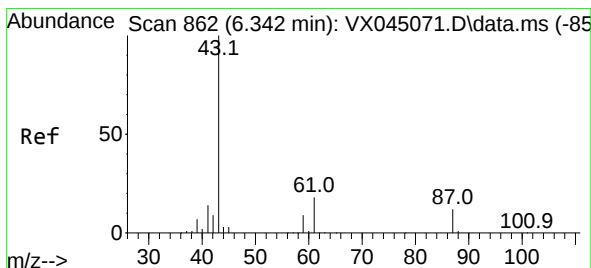
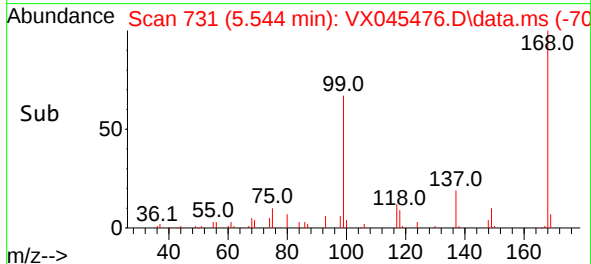
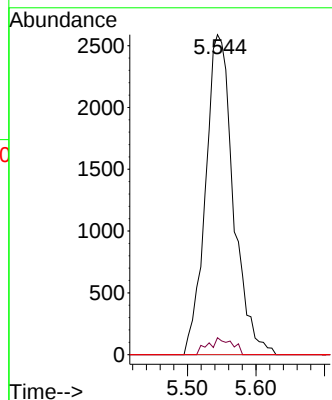


#38
Carbon Tetrachloride
Concen: 6.377 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
P167330TB

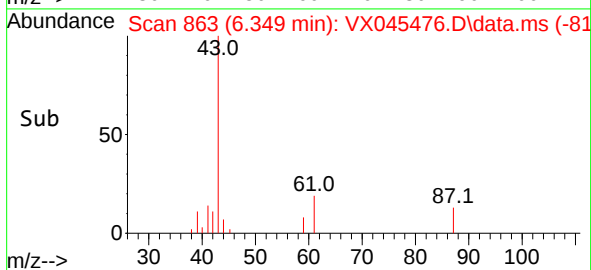
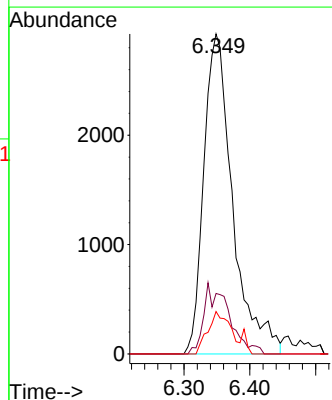
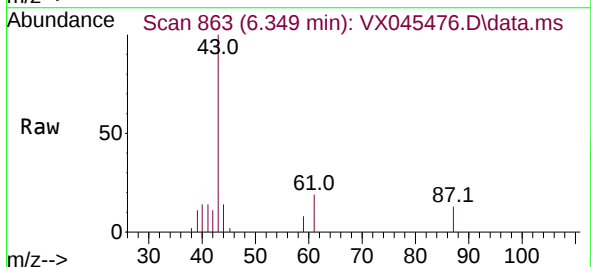


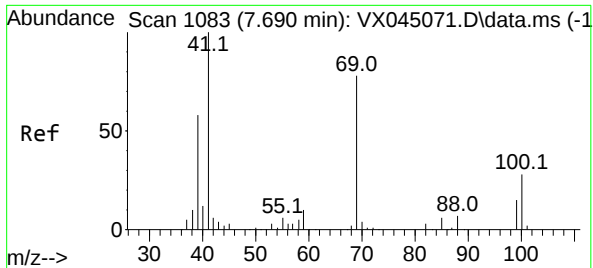
Tgt Ion:117 Resp: 7306
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 4.158 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 43 Resp: 8941
Ion Ratio Lower Upper
43 100
61 7.0 14.9 22.3#
87 10.3 9.4 14.2

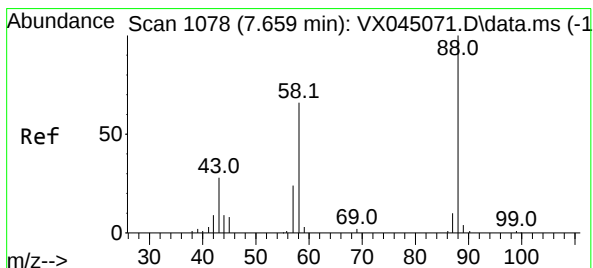
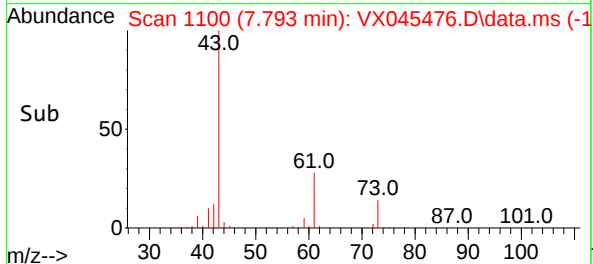
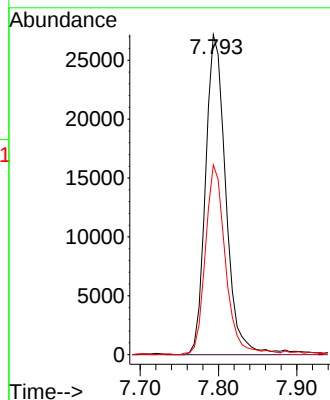
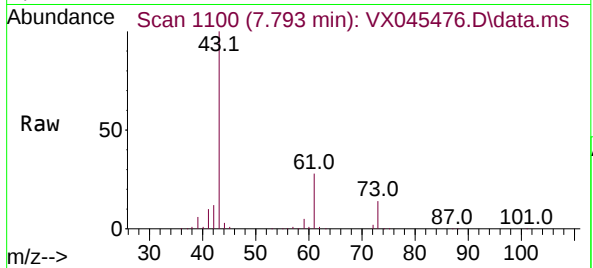




#48
Methyl methacrylate
Concen: 45.055 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

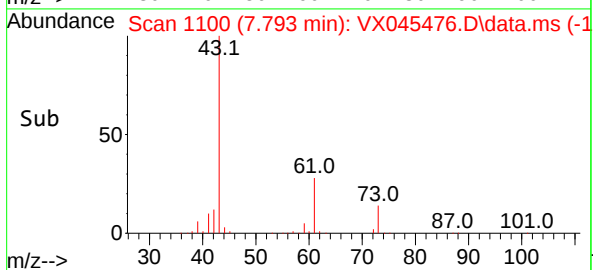
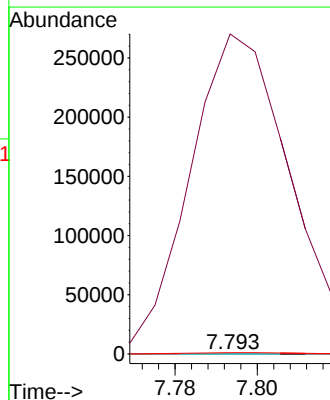
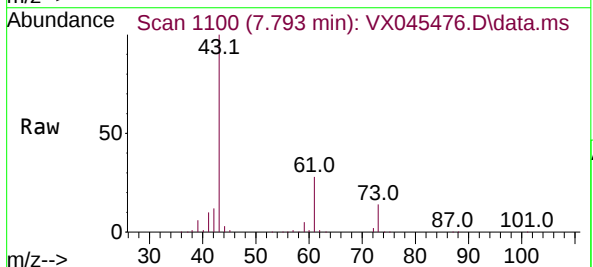
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

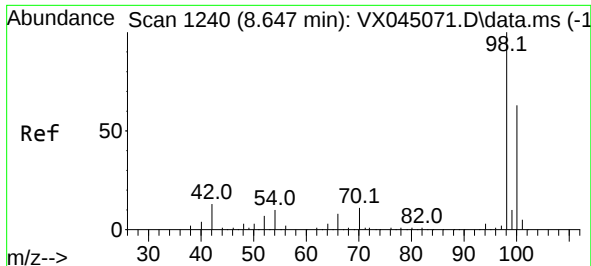
Tgt Ion: 41 Resp: 48604
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 59.2 47.5 71.3



#49
1,4-Dioxane
Concen: 1.011 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 2103613.0 28.7 43.1#
58 8965.2 55.8 83.8#

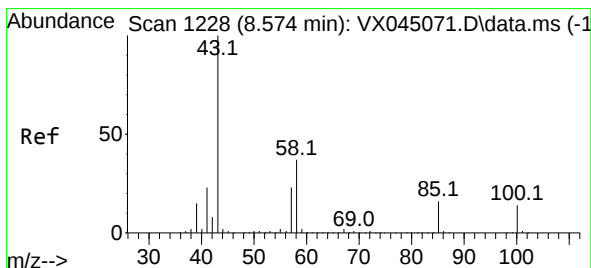
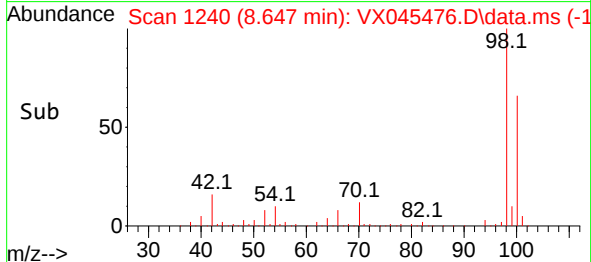
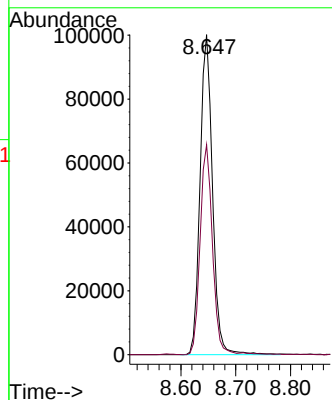
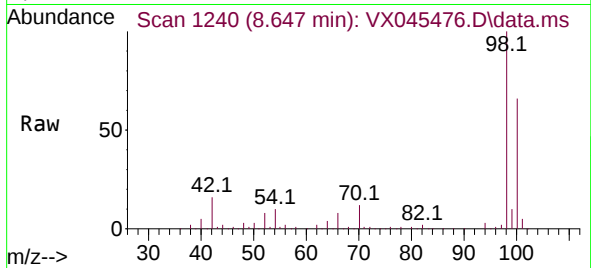




#50
Toluene-d8
Concen: 53.067 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

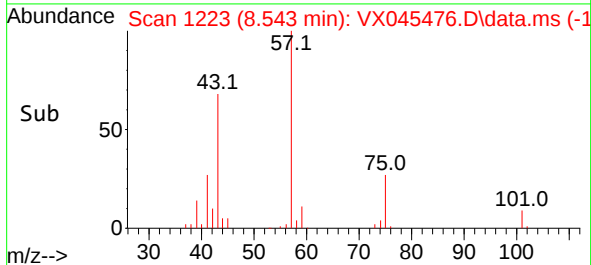
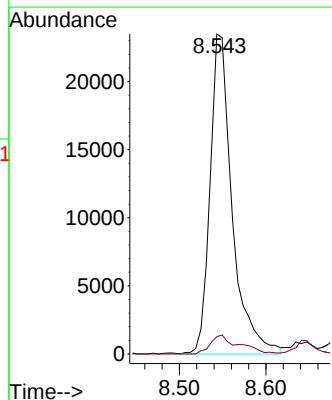
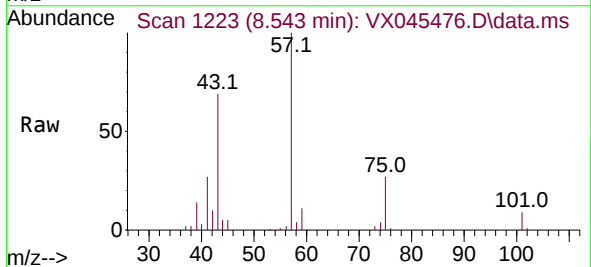
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

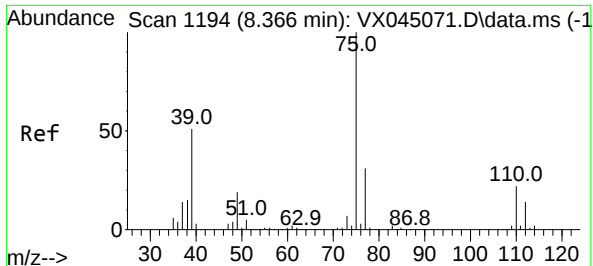
Tgt Ion: 98 Resp: 158312
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 28.857 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 43 Resp: 41663
Ion Ratio Lower Upper
43 100
58 7.7 29.2 43.8#

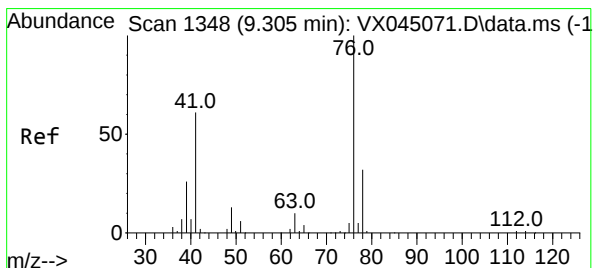
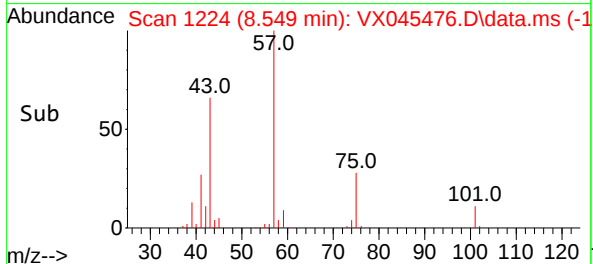
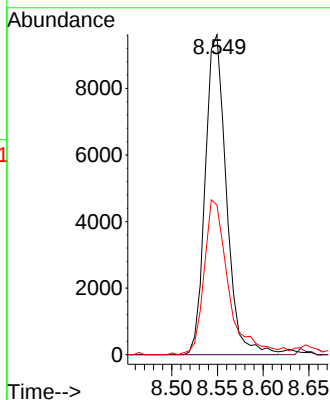
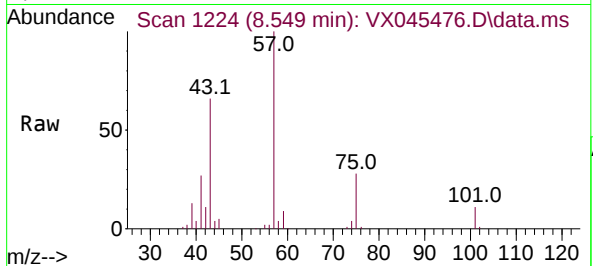




#54
 cis-1,3-Dichloropropene
 Concen: 12.477 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045476.D
 Acq: 27 Mar 2025 14:50

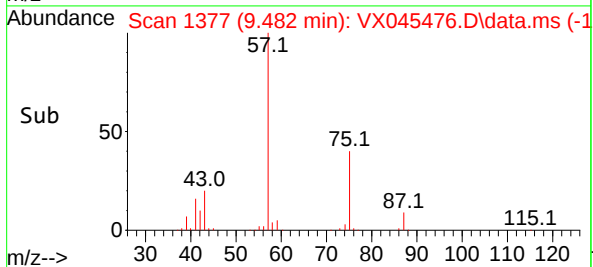
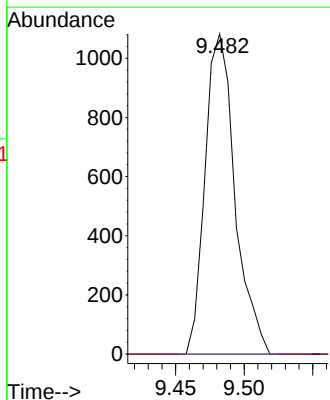
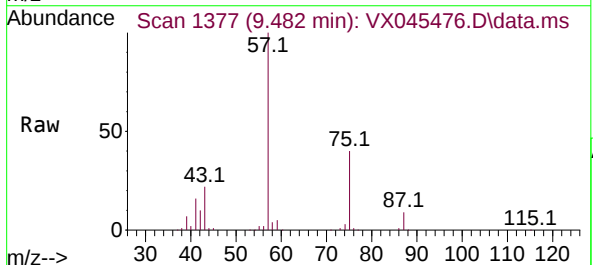
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330TB

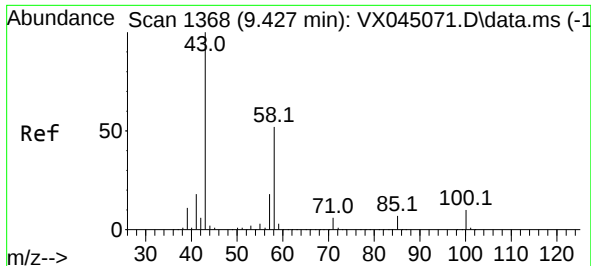
Tgt Ion: 75 Resp: 15450
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 46.7 40.7 61.1



#57
 1,3-Dichloropropane
 Concen: 1.104 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045476.D
 Acq: 27 Mar 2025 14:50

Tgt Ion: 76 Resp: 1645
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

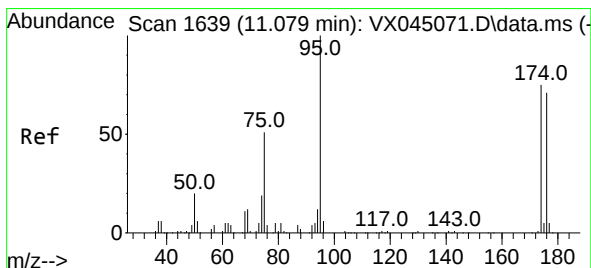
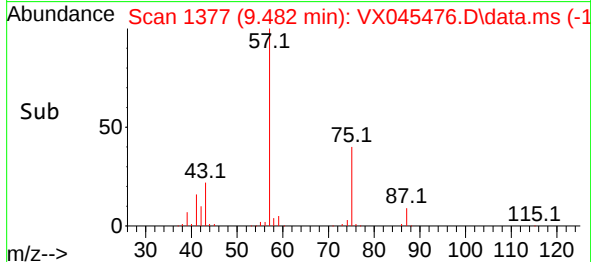
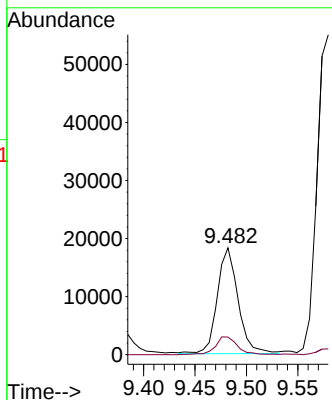
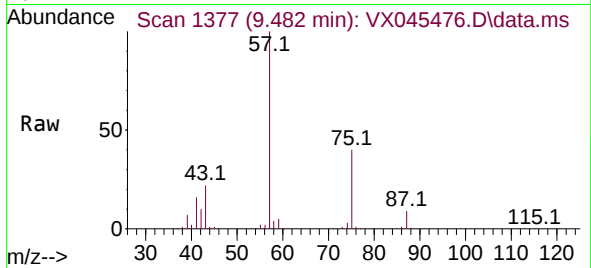




#59
2-Hexanone
Concen: 24.569 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

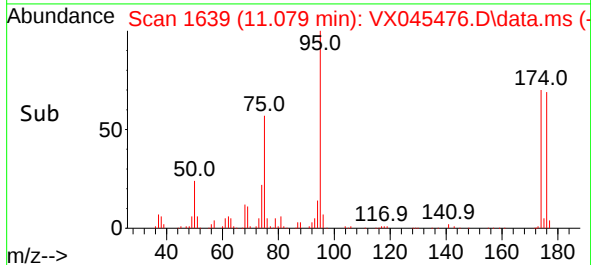
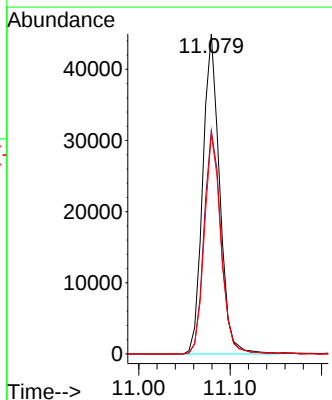
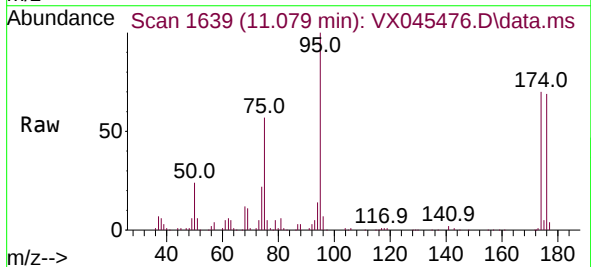
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

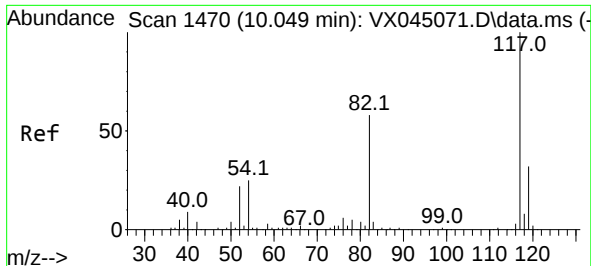
Tgt Ion: 43 Resp: 25701
Ion Ratio Lower Upper
43 100
58 18.1 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 58.041 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 95 Resp: 57377
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 67.7 0.0 141.4

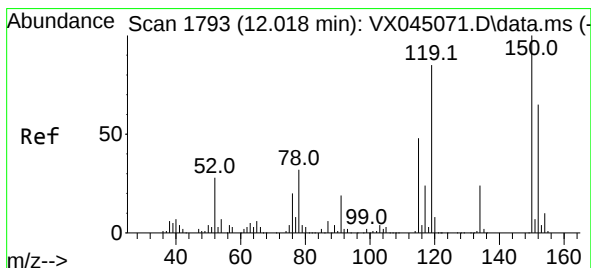
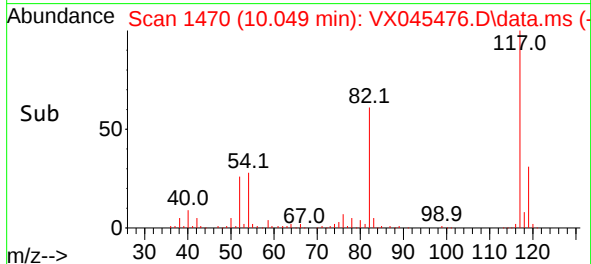
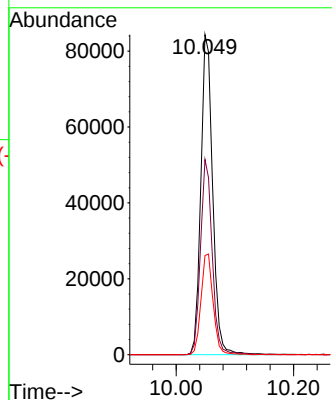
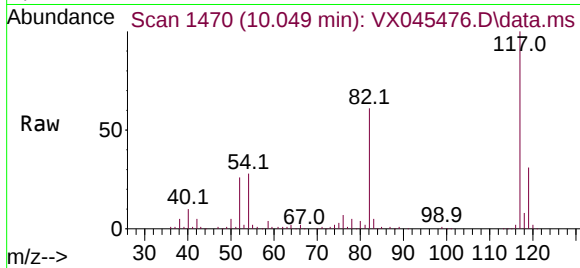




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

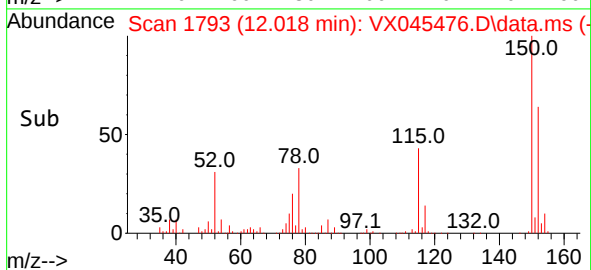
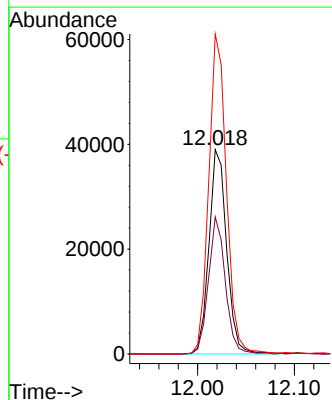
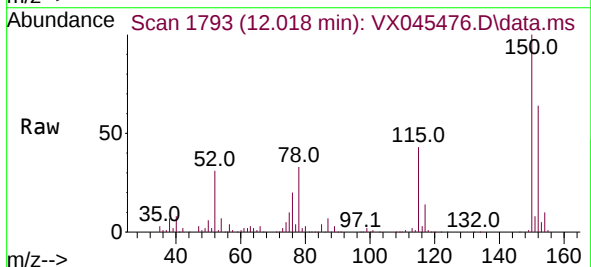
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

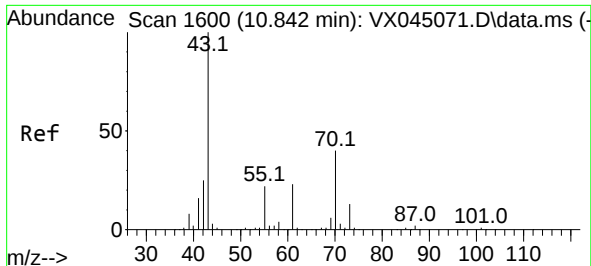
Tgt Ion:117 Resp: 118106
Ion Ratio Lower Upper
117 100
82 61.0 46.3 69.5
119 31.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion:152 Resp: 49746
Ion Ratio Lower Upper
152 100
115 64.2 44.2 132.6
150 156.2 0.0 349.0

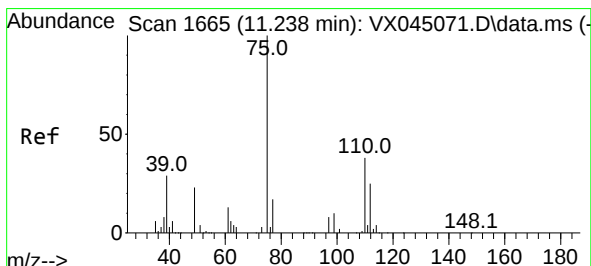
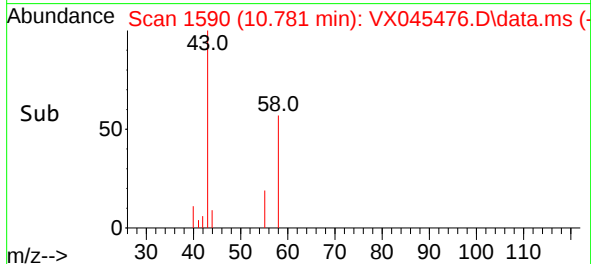
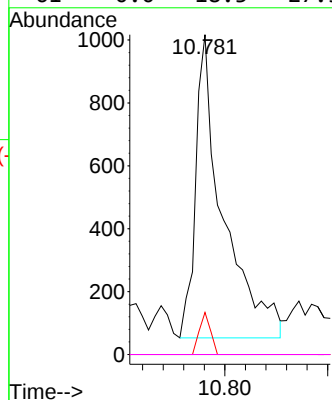
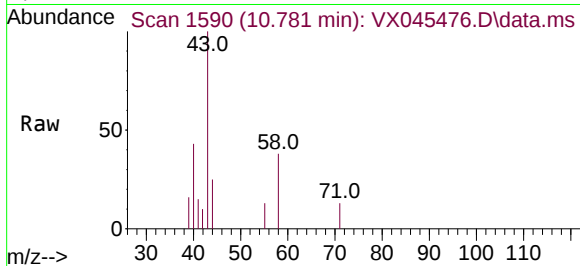




#74
N-amy1 acetate
Concen: 0.981 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

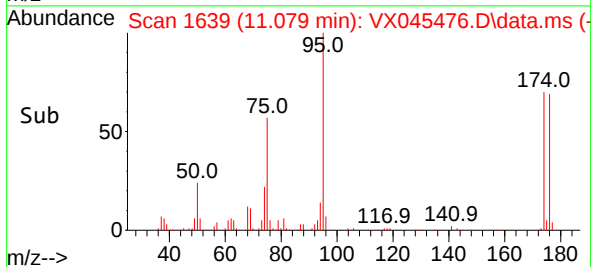
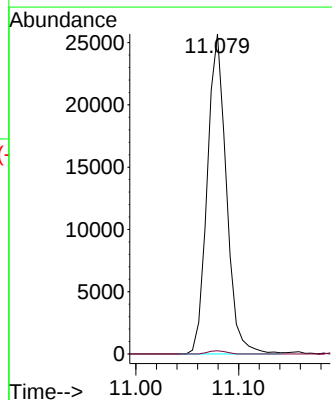
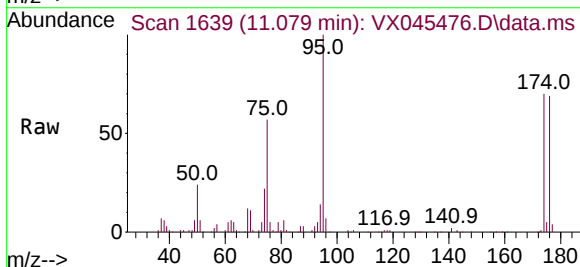
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

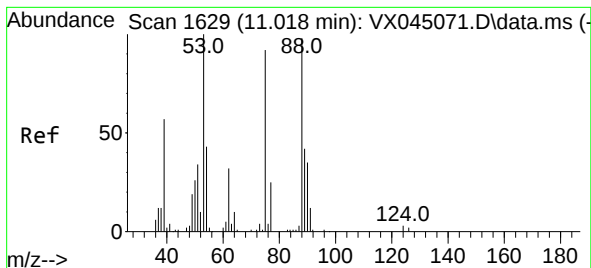
Tgt Ion: 43	Resp: 1787
Ion Ratio	Lower Upper
43 100	
70 0.0	31.8 47.6#
55 5.7	18.3 27.5#
61 0.0	18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 28.634 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion: 75	Resp: 33154
Ion Ratio	Lower Upper
75 100	
77 0.9	20.7 62.1#

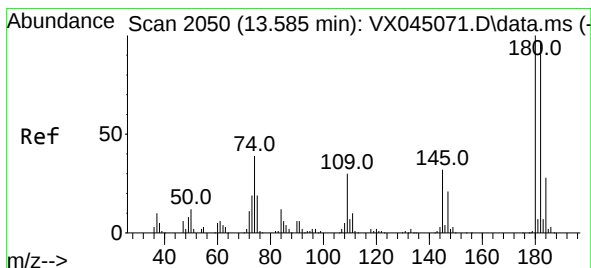
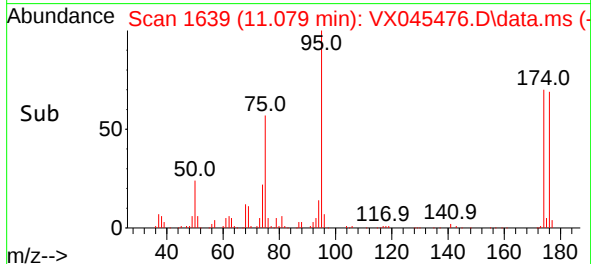
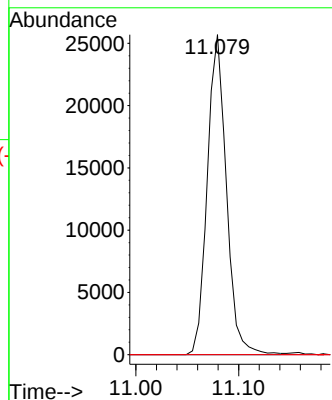
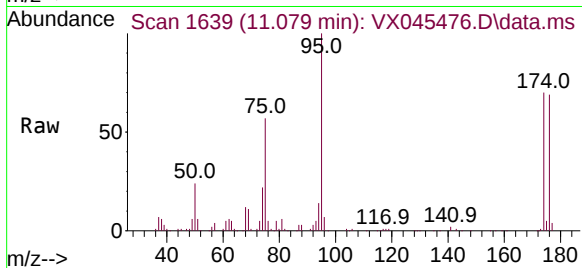




#81
trans-1,4-Dichloro-2-butene
Concen: 97.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

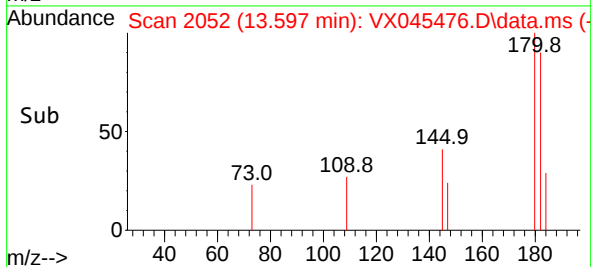
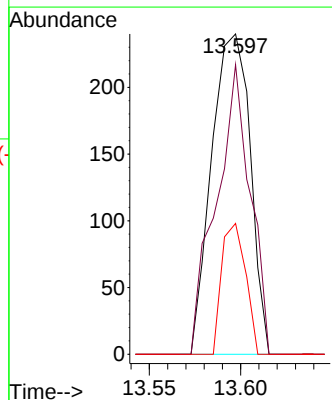
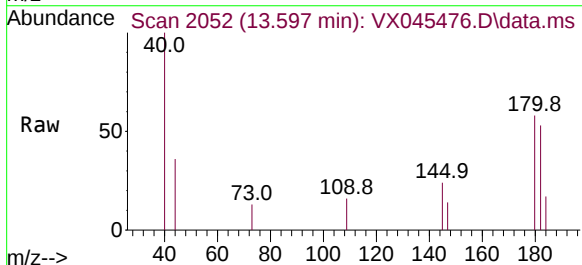
Instrument :
MSVOA_X
ClientSampleId :
P167330TB

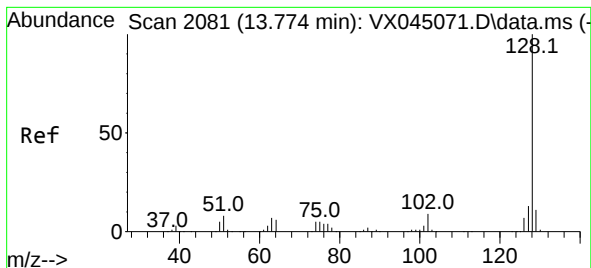
Tgt Ion: 75 Resp: 33154
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.378 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX045476.D
Acq: 27 Mar 2025 14:50

Tgt Ion:180 Resp: 353
Ion Ratio Lower Upper
180 100
182 79.6 47.3 141.9
145 25.2 16.3 48.9





#95

Naphthalene

Concen: 0.471 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

P167330TB

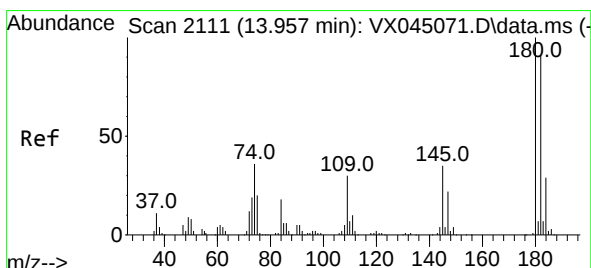
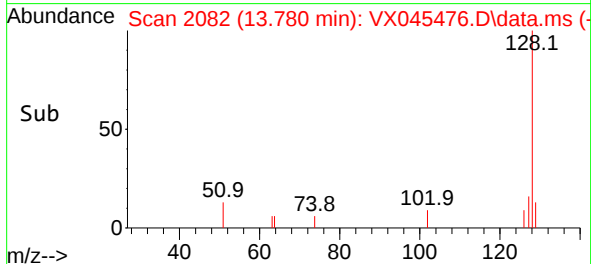
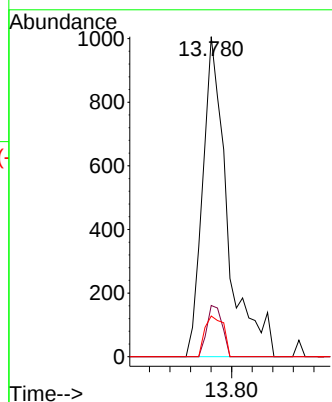
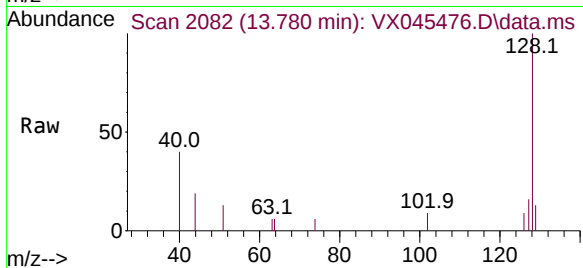
Tgt Ion:128 Resp: 1688

Ion Ratio Lower Upper

128 100

127 10.0 10.3 15.5#

129 9.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.294 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045476.D

Acq: 27 Mar 2025 14:50

Tgt Ion:180 Resp: 290

Ion Ratio Lower Upper

180 100

182 111.4 47.5 142.6

145 14.1 17.0 50.9#

