

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046411.D
 Acq On : 30 May 2025 11:06
 Operator : JC/MD
 Sample : VX0530WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

Quant Time: May 30 23:23:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

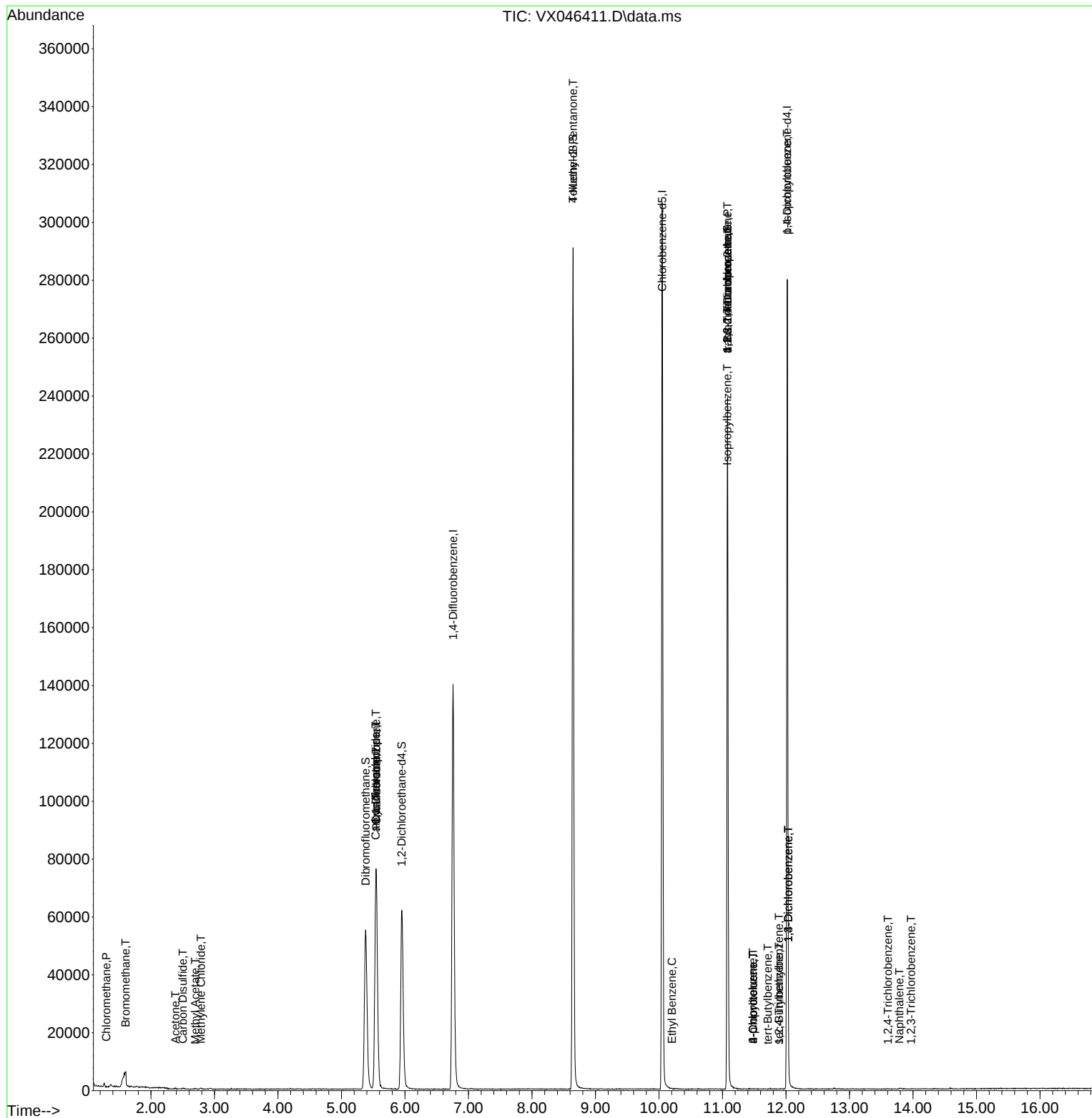
Internal Standards						
1) Pentafluorobenzene	5.550	168	64533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129905	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64990	54.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	5.379	113	46982	50.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	8.647	98	162314	50.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	63110	50.815	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	85	0.089	ug/l #	43
5) Bromomethane	1.599	94	102	0.247	ug/l #	46
16) Acetone	2.386	43	184	0.381	ug/l #	48
17) Carbon Disulfide	2.502	76	323	0.178	ug/l #	76
18) Methyl Acetate	2.697	43	161	0.144	ug/l #	55
20) Methylene Chloride	2.788	84	242	0.262	ug/l #	51
31) Cyclohexane	5.544	56	1985	1.384	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6283	4.999	ug/l #	53
38) Carbon Tetrachloride	5.538	117	8069	5.714	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	985	0.626	ug/l #	1
67) Ethyl Benzene	10.201	91	20	0.004	ug/l #	45
73) Isopropylbenzene	11.073	105	71	0.018	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.079	83	21	0.015	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35677	28.944	ug/l #	36
78) n-propylbenzene	11.482	91	63	0.014	ug/l #	54
79) 2-Chlorotoluene	11.482	91	63	0.021	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	35677	94.234	ug/l #	1
82) 4-Chlorotoluene	11.482	91	63	0.019	ug/l #	48
83) tert-Butylbenzene	11.713	119	21	0.006	ug/l #	26
84) 1,2,4-Trimethylbenzene	11.890	105	28	0.008	ug/l #	33
85) sec-Butylbenzene	11.890	105	28	0.007	ug/l #	57
86) p-Isopropyltoluene	12.018	119	23	0.007	ug/l #	1
87) 1,3-Dichlorobenzene	12.037	146	75	0.044	ug/l #	1
88) 1,4-Dichlorobenzene	12.037	146	75	0.043	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.603	180	25	0.026	ug/l #	69
95) Naphthalene	13.786	128	551	0.154	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	60	0.060	ug/l #	12

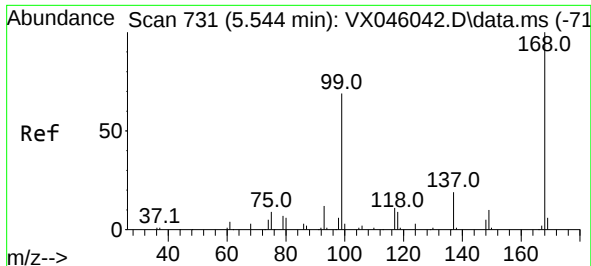
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046411.D
Acq On : 30 May 2025 11:06
Operator : JC/MD
Sample : VX0530WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Time: May 30 23:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

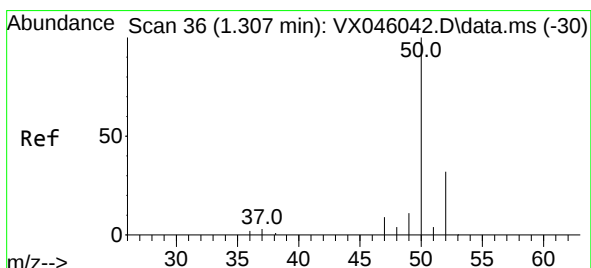
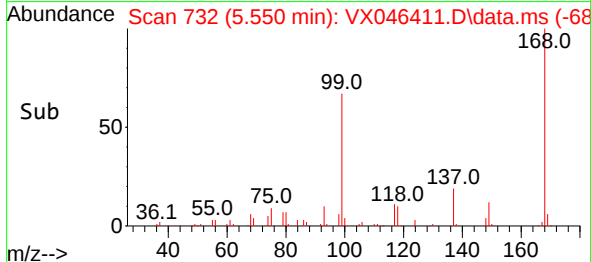
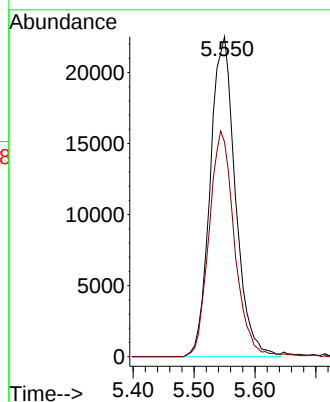
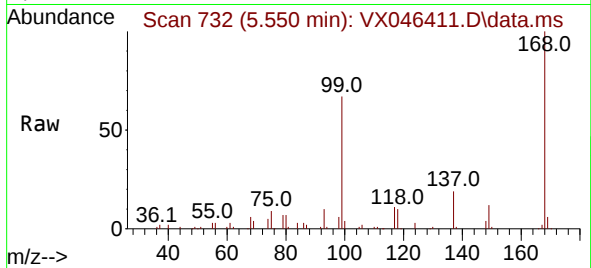




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

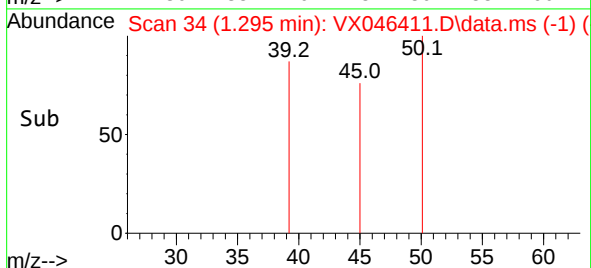
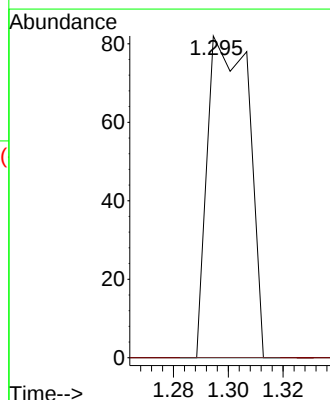
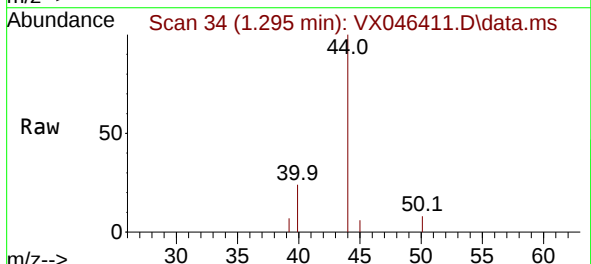
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

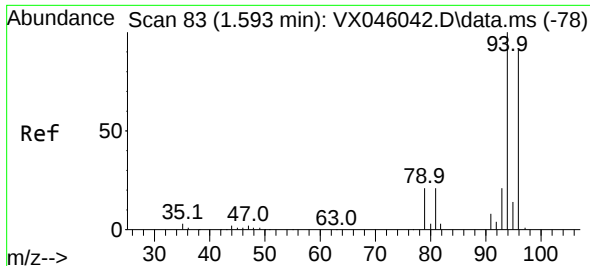
Tgt Ion:168 Resp: 64533
Ion Ratio Lower Upper
168 100
99 67.1 54.9 82.3



#3
Chloromethane
Concen: 0.089 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 50 Resp: 85
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

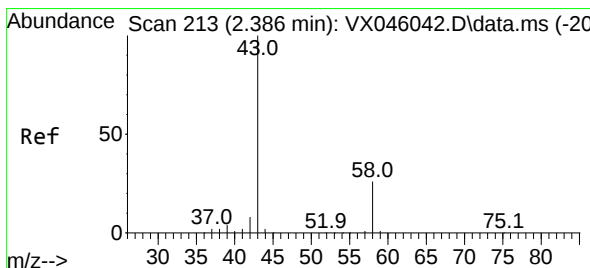
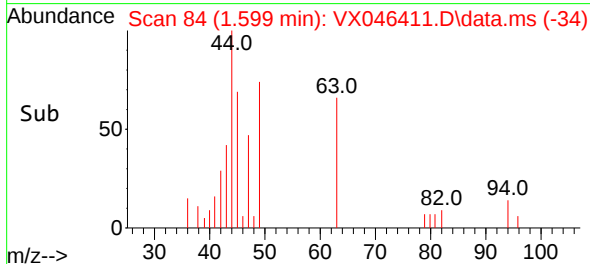
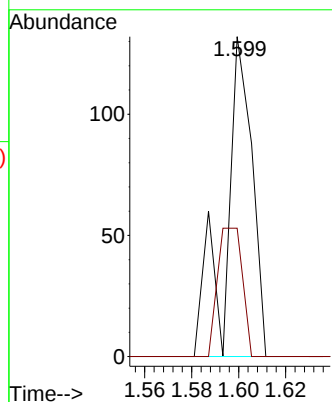
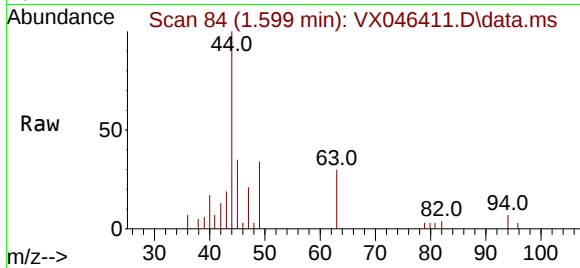




#5
Bromomethane
Concen: 0.247 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

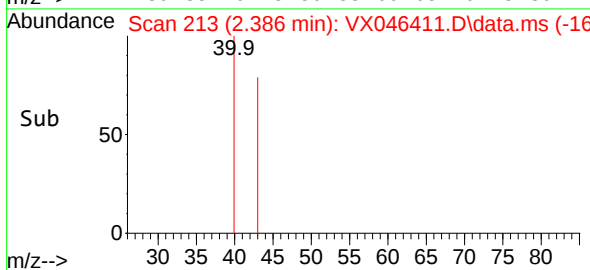
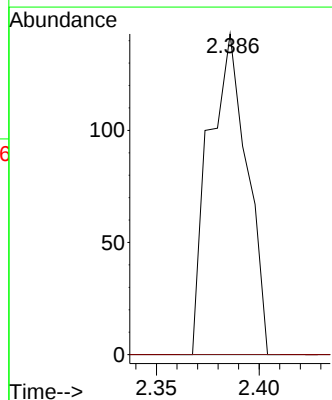
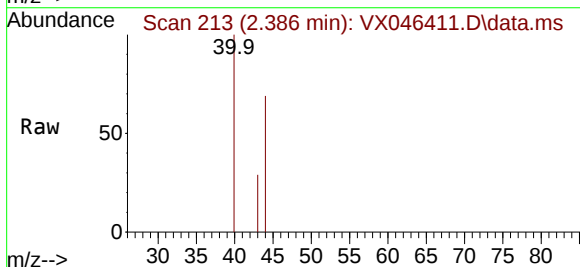
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

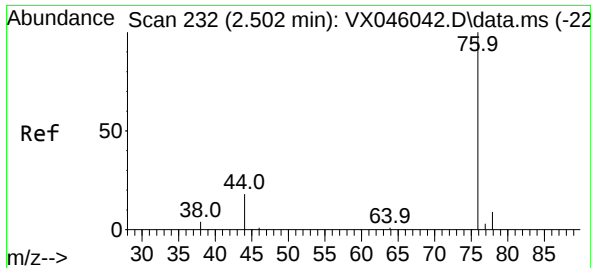
Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 40.2 72.8 109.2#



#16
Acetone
Concen: 0.381 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

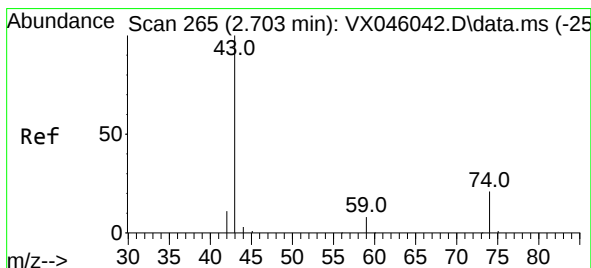
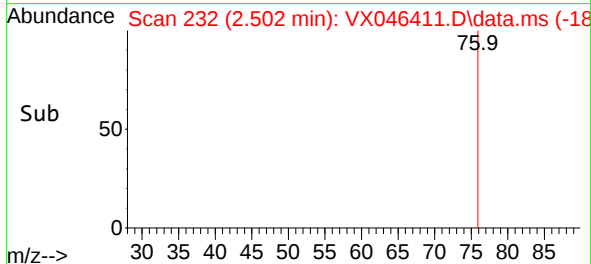
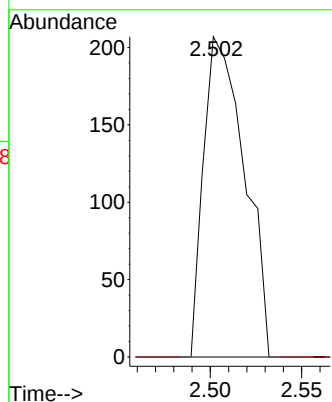
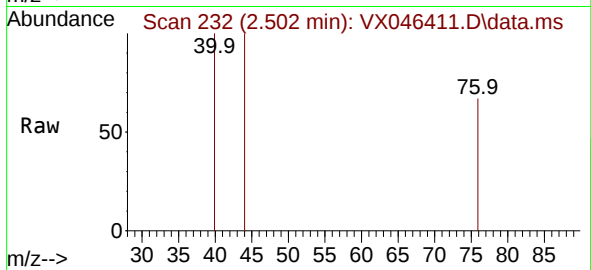




#17
Carbon Disulfide
Concen: 0.178 ug/l
RT: 2.502 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

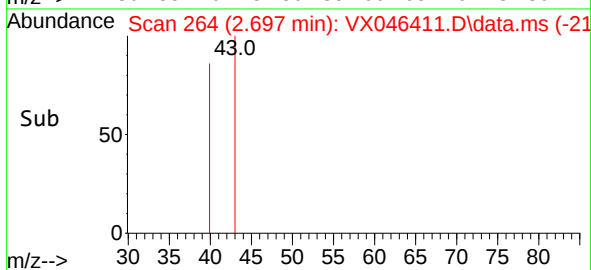
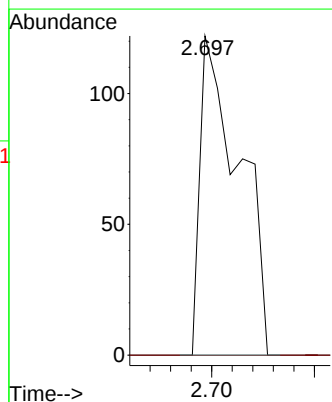
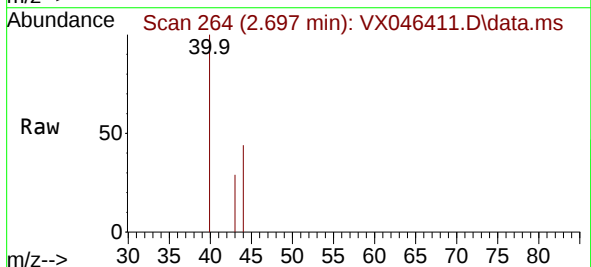
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

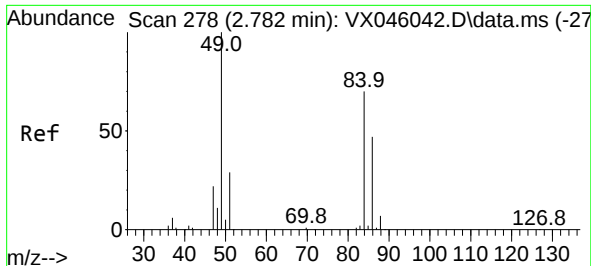
Tgt Ion: 76 Resp: 323
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.144 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

Tgt Ion: 84 Resp: 242

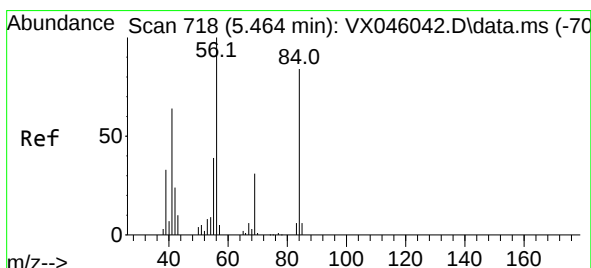
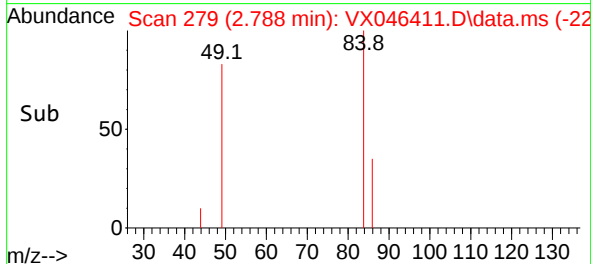
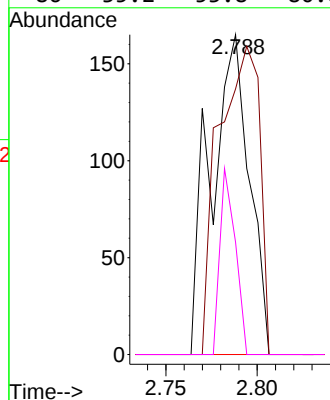
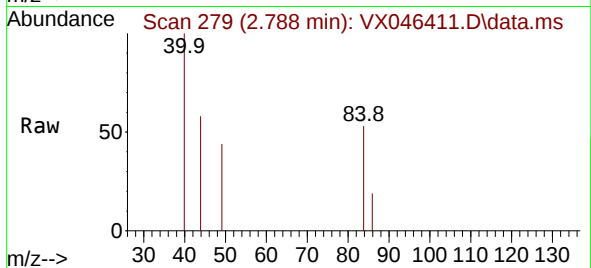
Ion Ratio Lower Upper

84 100

49 83.0 113.9 170.9#

51 0.0 33.5 50.3#

86 35.2 53.8 80.8#



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

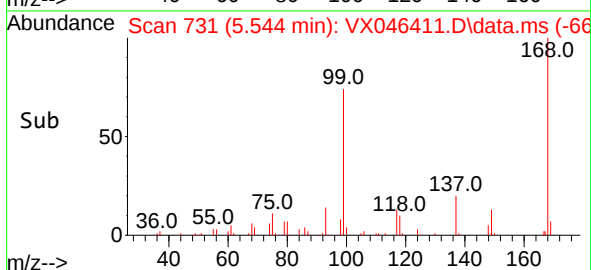
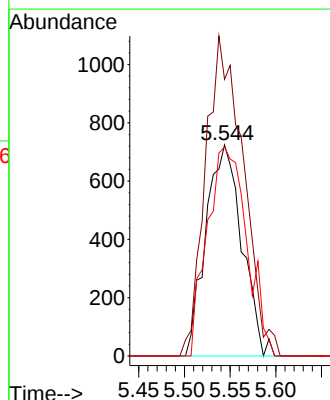
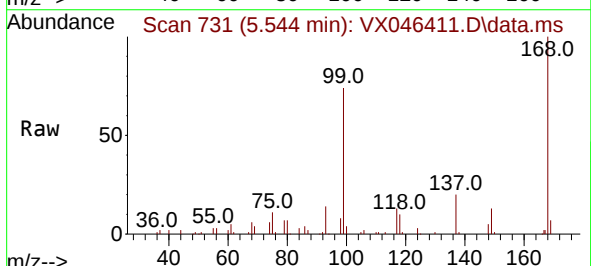
Tgt Ion: 56 Resp: 1985

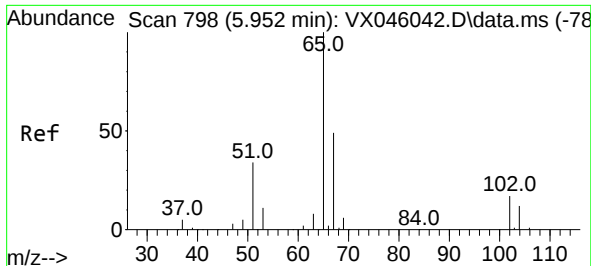
Ion Ratio Lower Upper

56 100

69 131.1 24.4 36.6#

84 99.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.019 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

Instrument :

MSVOA_X

ClientSampleId :

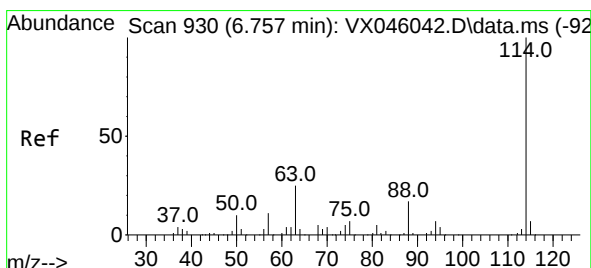
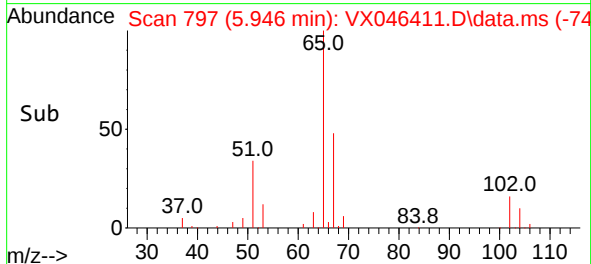
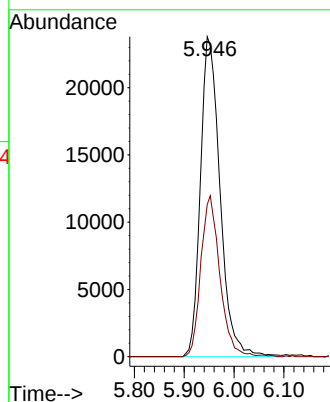
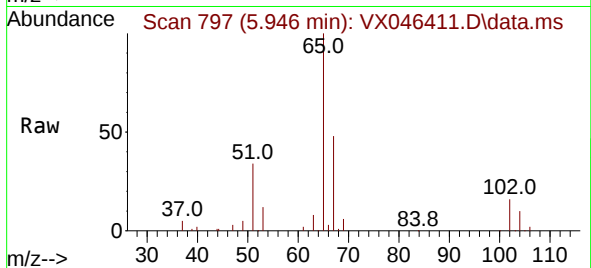
VX0530WBL01

Tgt Ion: 65 Resp: 64990

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

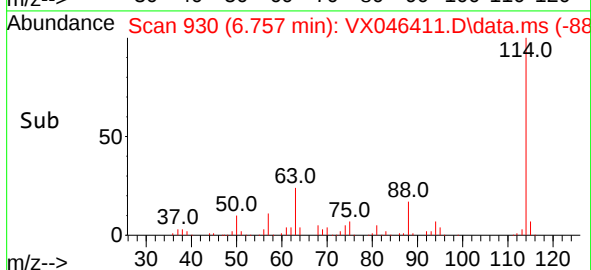
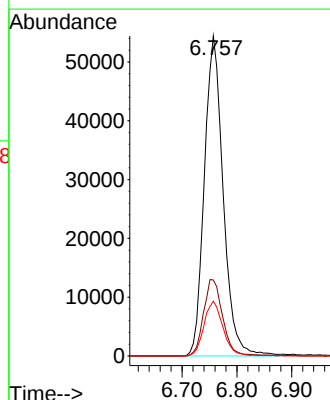
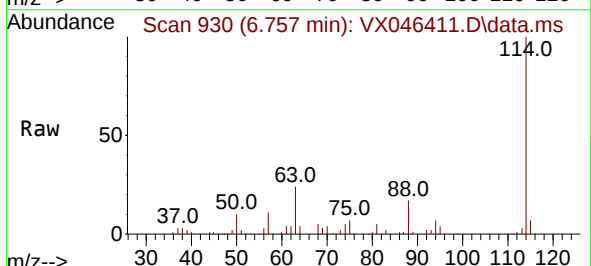
Tgt Ion: 114 Resp: 129905

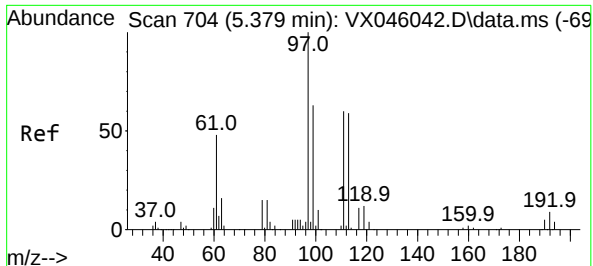
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.224 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

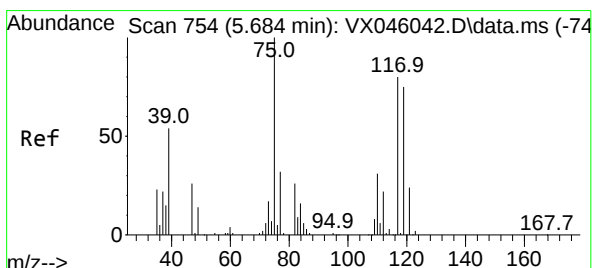
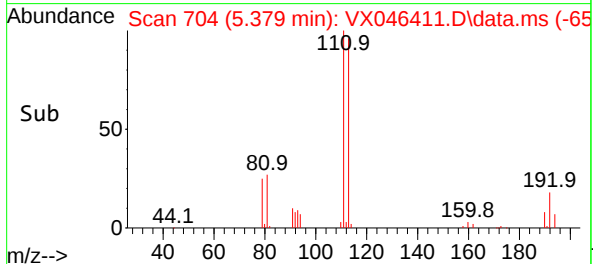
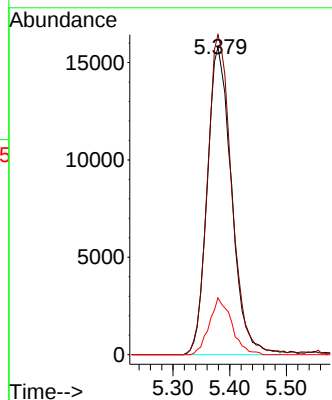
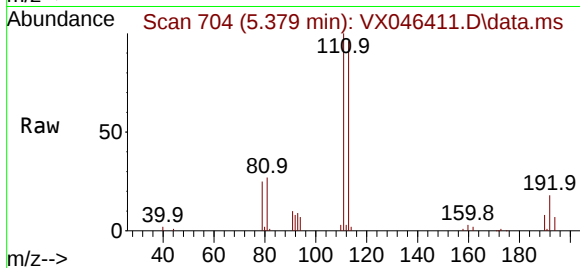
Tgt Ion:113 Resp: 46982

Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

192 17.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

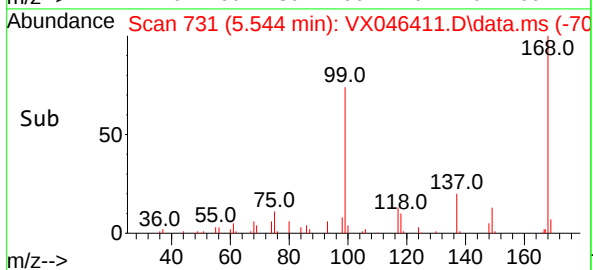
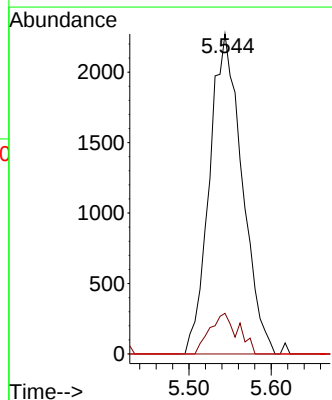
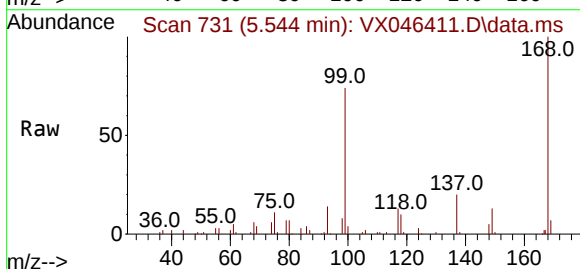
Tgt Ion: 75 Resp: 6283

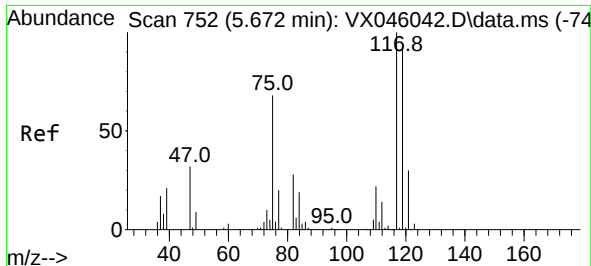
Ion Ratio Lower Upper

75 100

110 11.0 16.3 48.9#

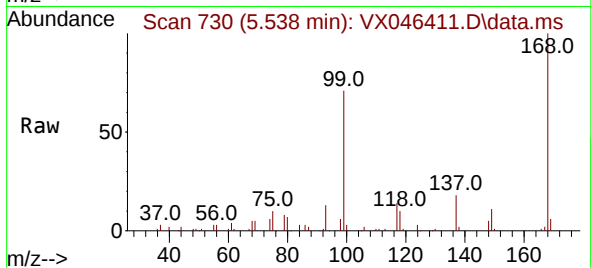
77 0.0 24.3 36.5#



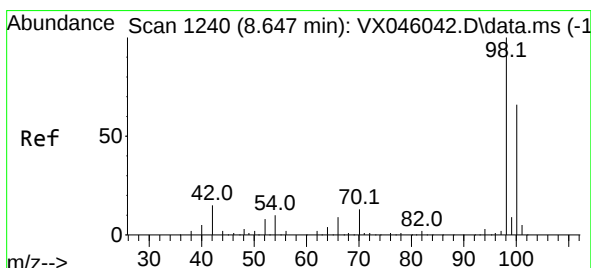
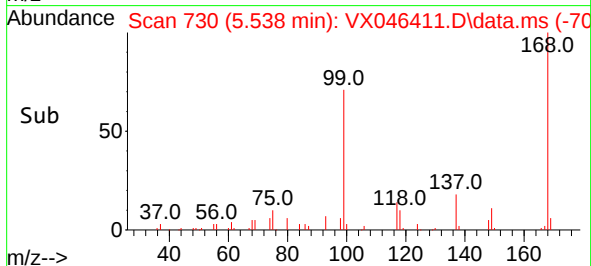
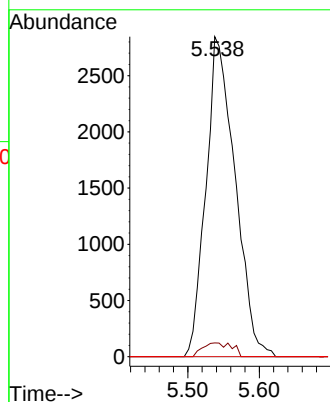


#38
Carbon Tetrachloride
Concen: 5.714 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

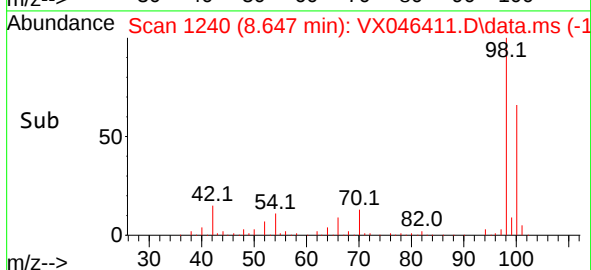
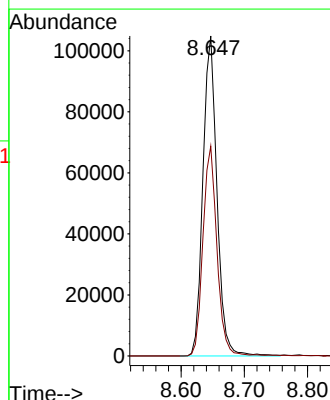
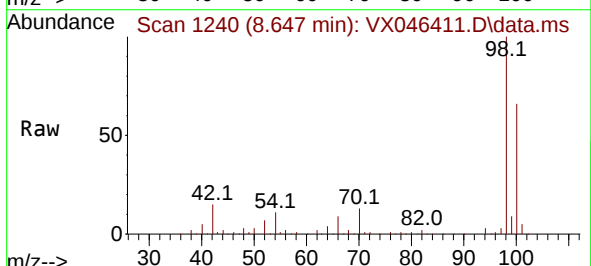


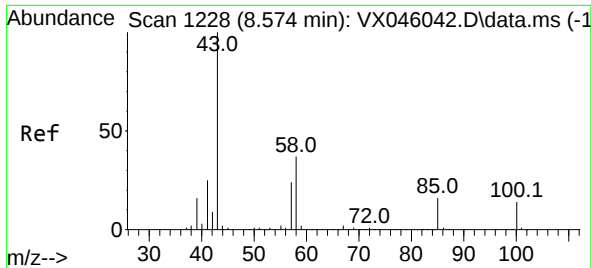
Tgt Ion:117 Resp: 8069
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 98 Resp: 162314
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

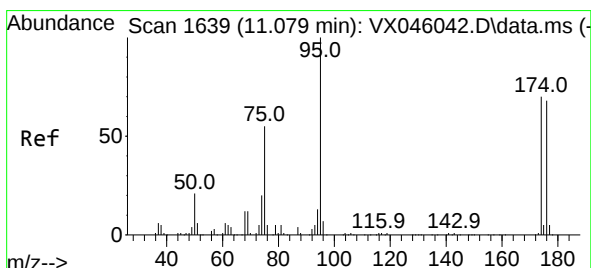
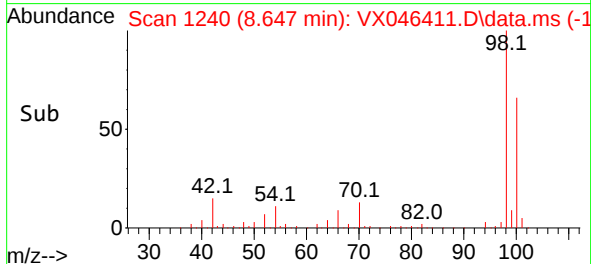
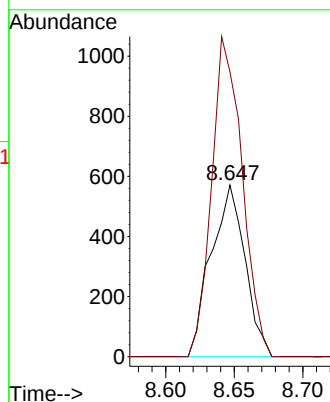
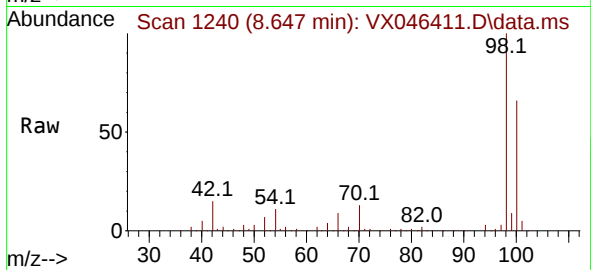




#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

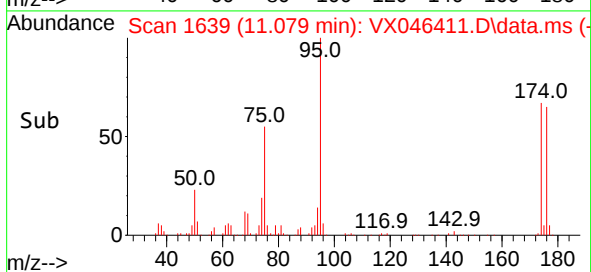
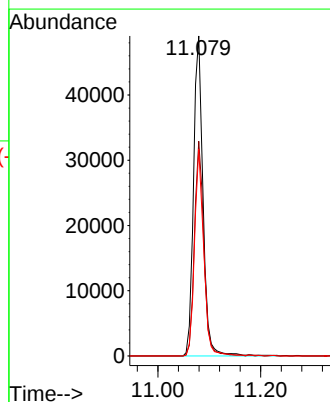
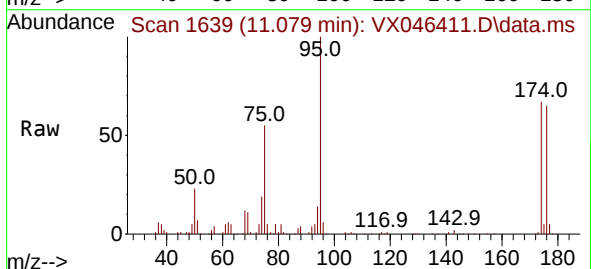
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

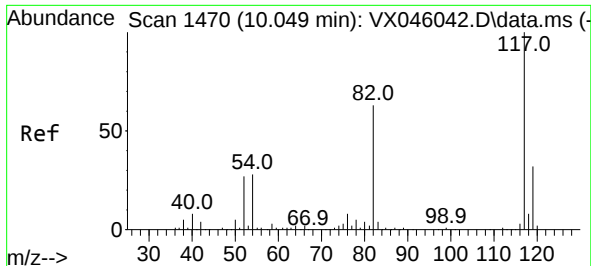
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 167.8 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 50.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 95 Resp: 63110
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 62.3 0.0 131.4

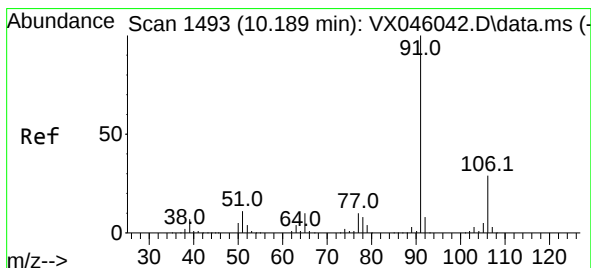
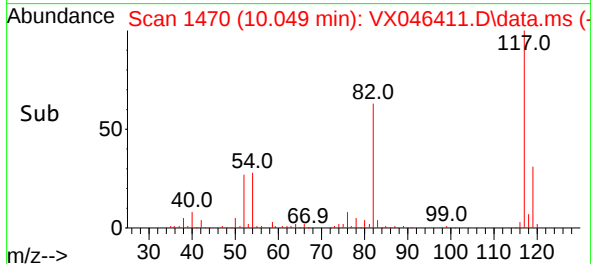
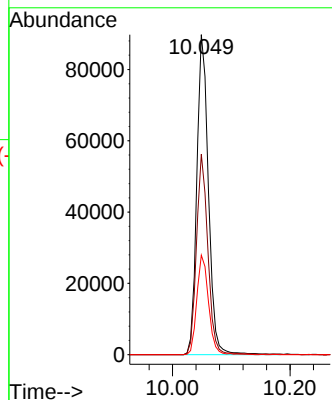
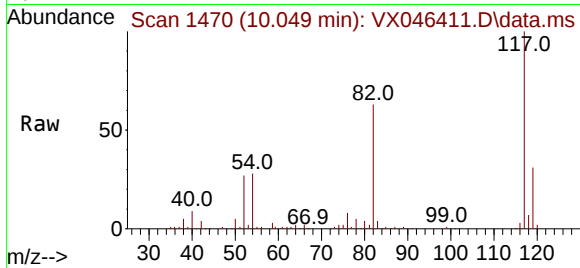




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

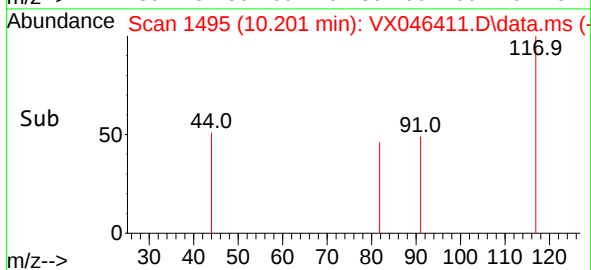
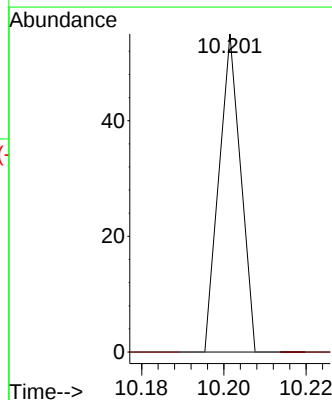
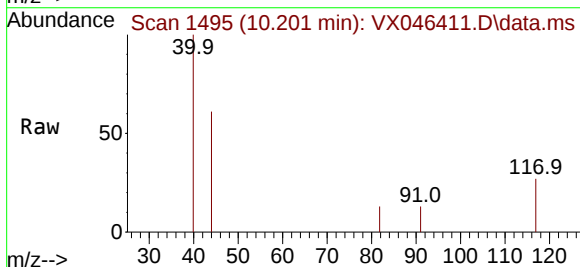
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

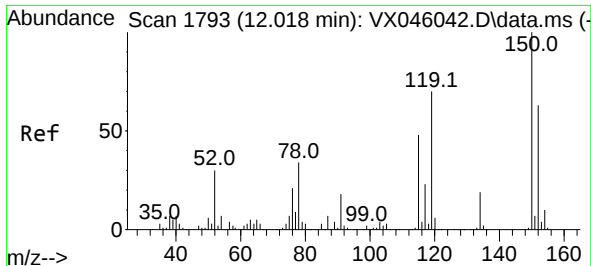
Tgt Ion:117 Resp: 123011
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 31.1 25.8 38.6



#67
Ethyl Benzene
Concen: 0.004 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
106 0.0 23.4 35.2#

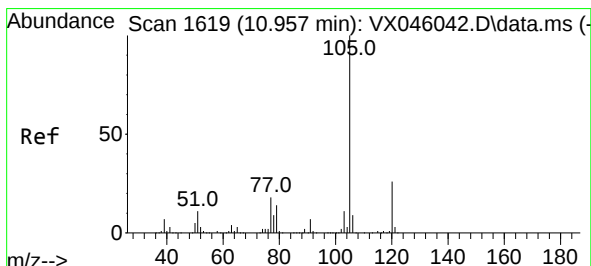
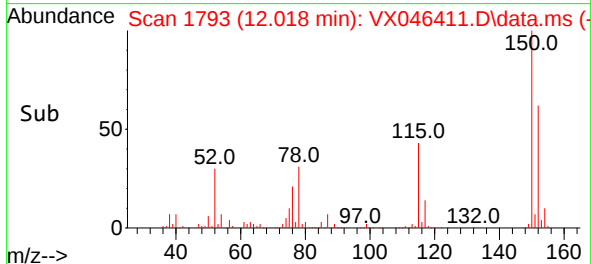
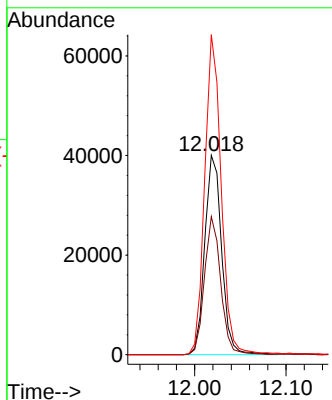
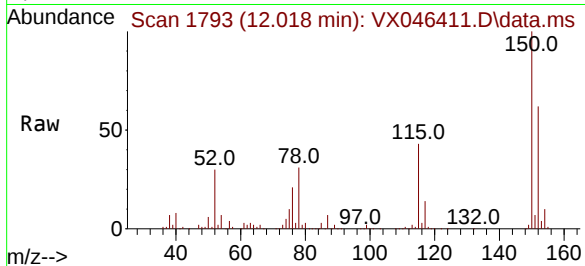




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

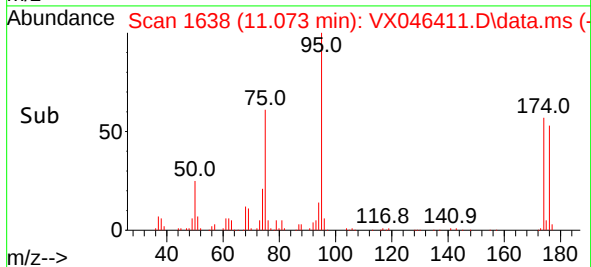
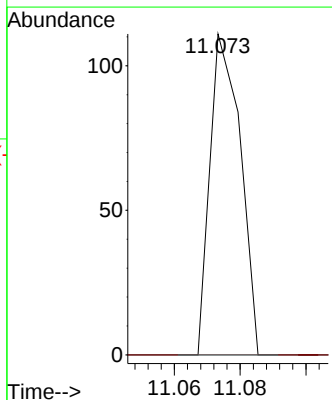
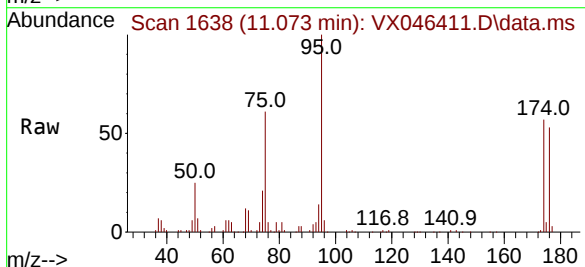
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

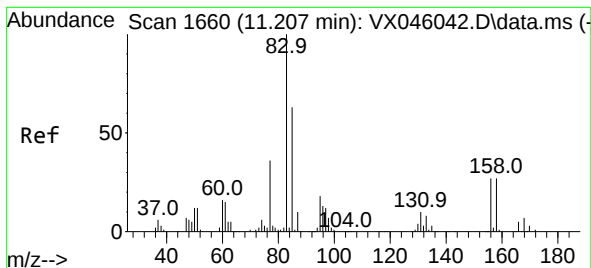
Tgt Ion:152 Resp: 51208
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 157.0 0.0 351.0



#73
Isopropylbenzene
Concen: 0.018 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.116 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion:105 Resp: 71
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.015 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.128 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

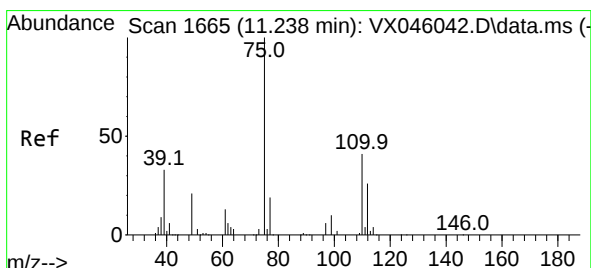
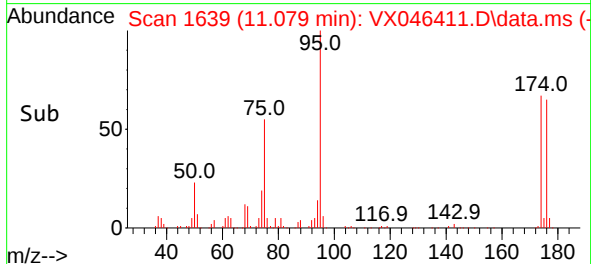
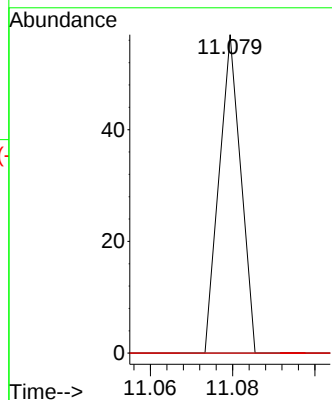
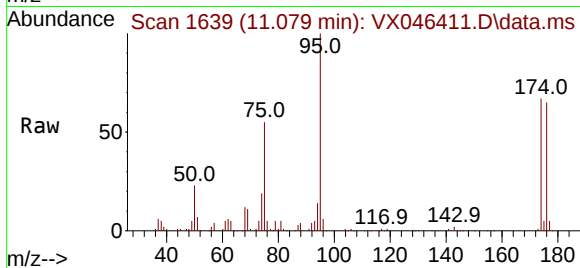
Tgt Ion: 83 Resp: 21

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.944 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046411.D

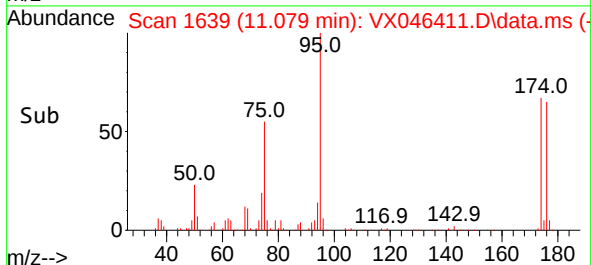
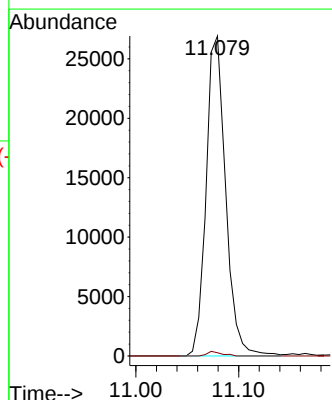
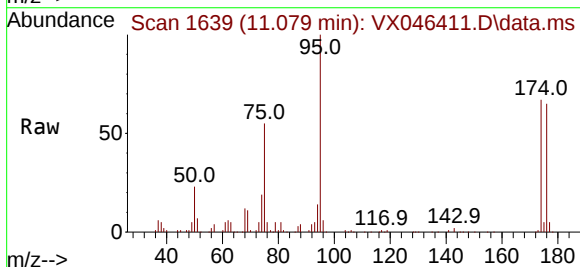
Acq: 30 May 2025 11:06

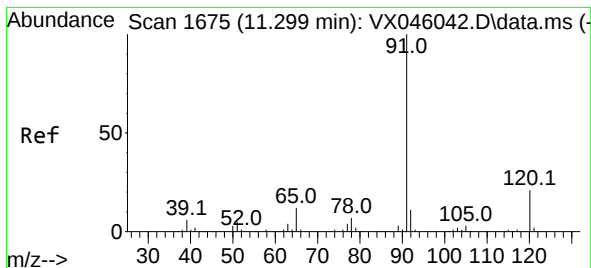
Tgt Ion: 75 Resp: 35677

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#





#78

n-propylbenzene

Concen: 0.014 ug/l

RT: 11.482 min Scan# 1705

Delta R.T. 0.183 min

Lab File: VX046411.D

Acq: 30 May 2025 11:06

Instrument :

MSVOA_X

ClientSampleId :

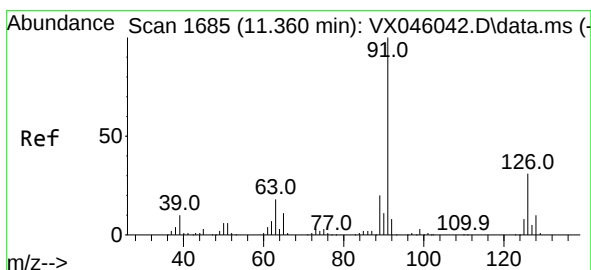
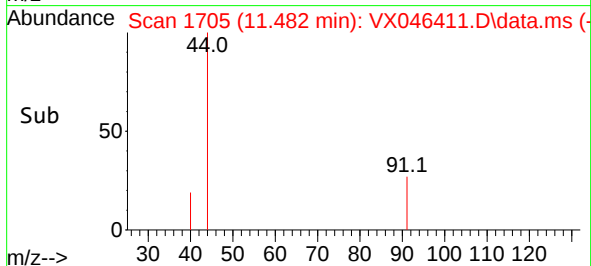
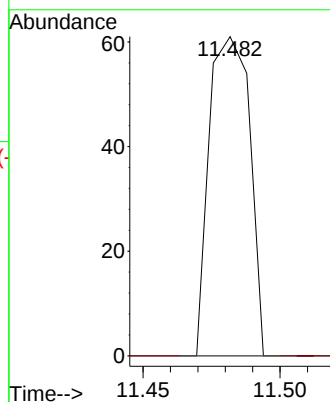
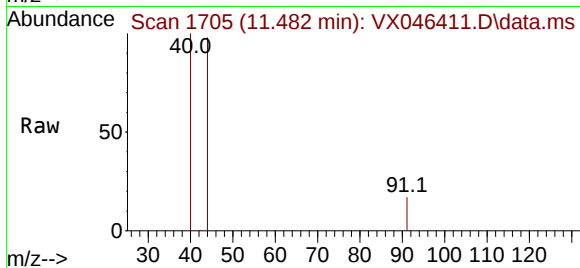
VX0530WBL01

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

120 0.0 10.8 32.4#



#79

2-Chlorotoluene

Concen: 0.021 ug/l

RT: 11.482 min Scan# 1705

Delta R.T. 0.122 min

Lab File: VX046411.D

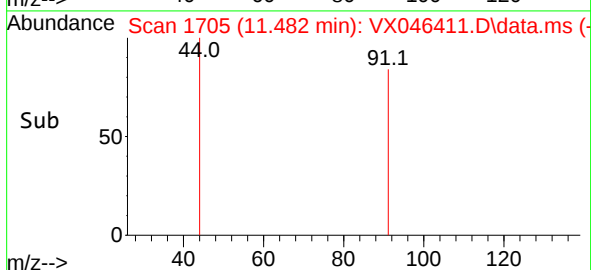
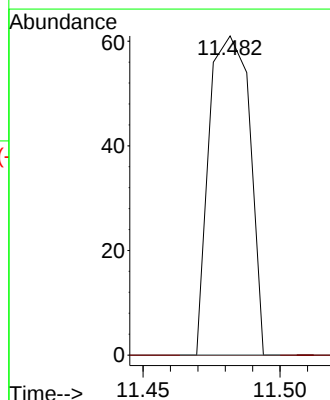
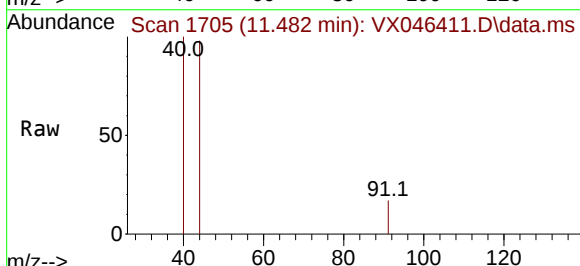
Acq: 30 May 2025 11:06

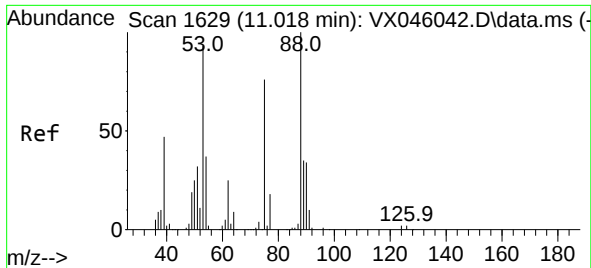
Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#

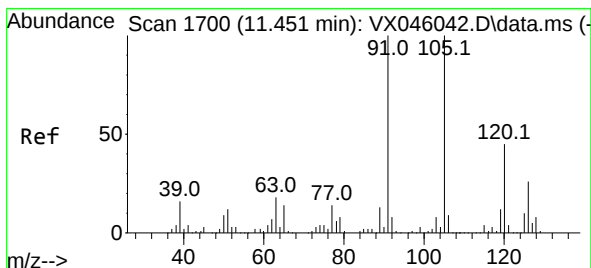
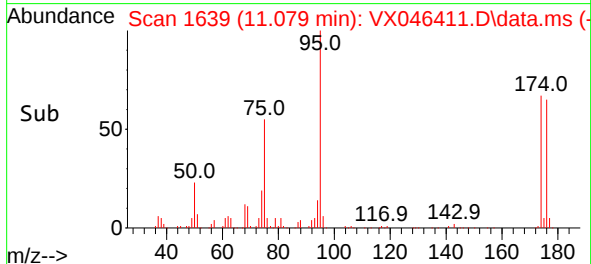
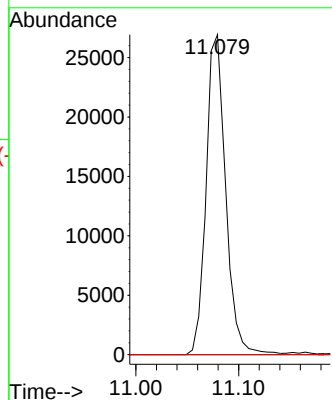
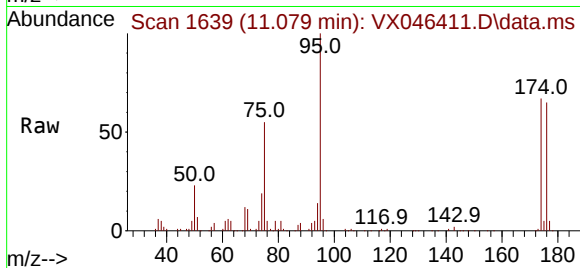




#81
trans-1,4-Dichloro-2-butene
Concen: 94.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

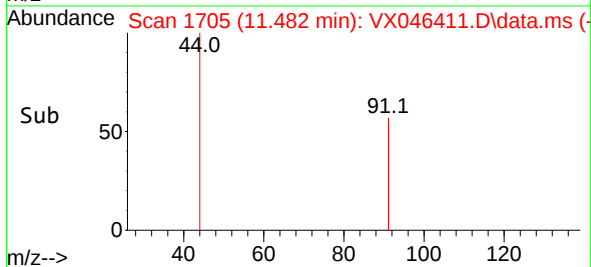
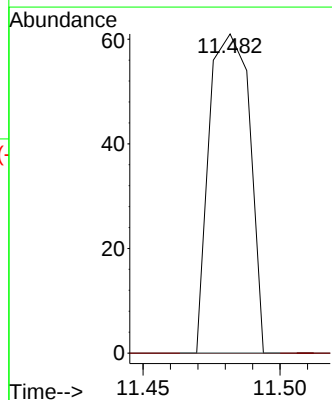
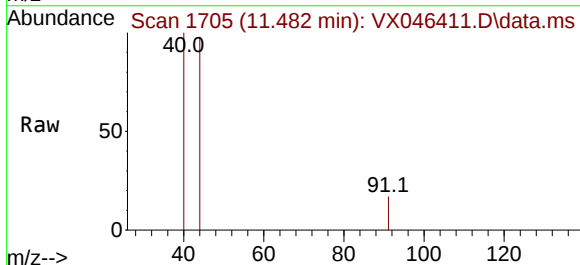
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

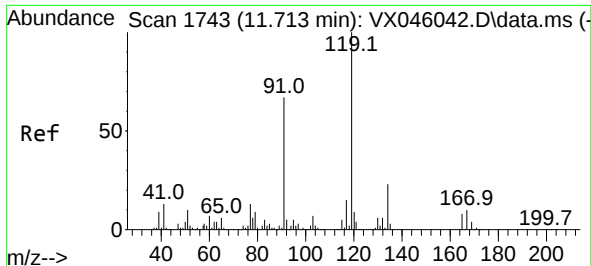
Tgt Ion: 75 Resp: 35677
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.019 ug/l
RT: 11.482 min Scan# 1705
Delta R.T. 0.031 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion: 91 Resp: 63
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8#

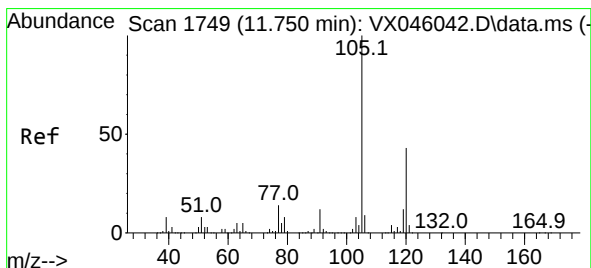
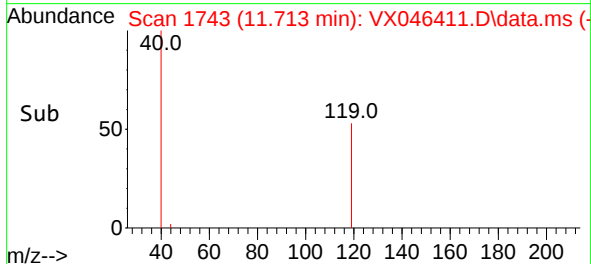
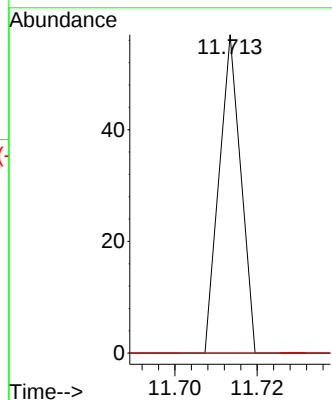
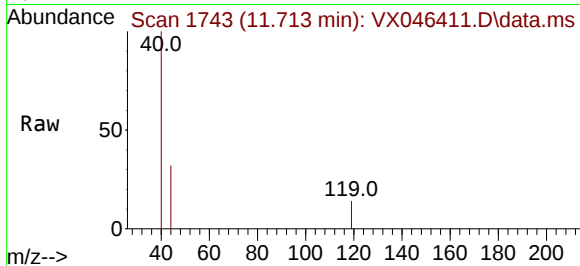




#83
tert-Butylbenzene
Concen: 0.006 ug/l
RT: 11.713 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

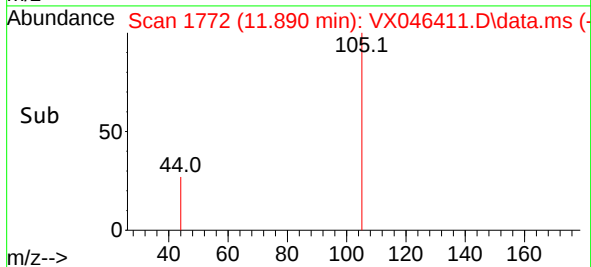
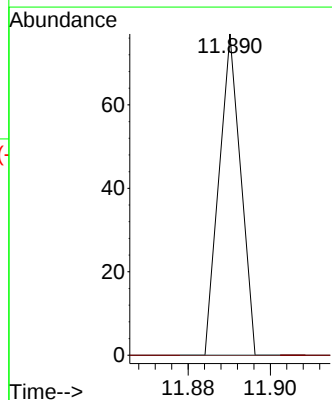
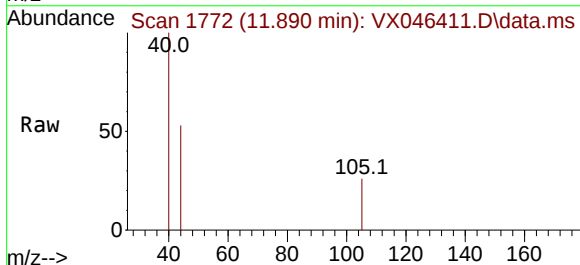
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

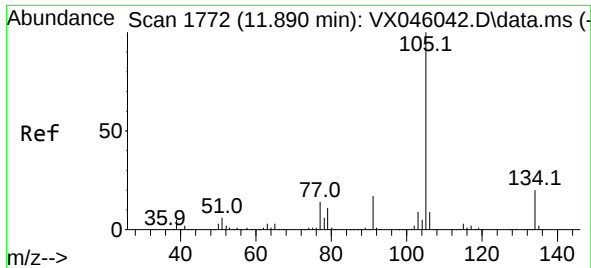
Tgt Ion:119 Resp: 21
Ion Ratio Lower Upper
119 100
91 0.0 32.9 98.7#
134 0.0 11.4 34.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.008 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.140 min
Lab File: VX046411.D
Acq: 30 May 2025 11:06

Tgt Ion:105 Resp: 28
Ion Ratio Lower Upper
105 100
120 0.0 21.2 63.6#

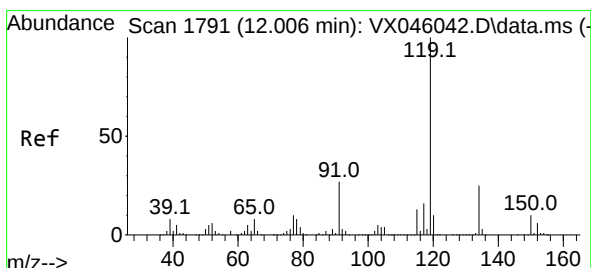
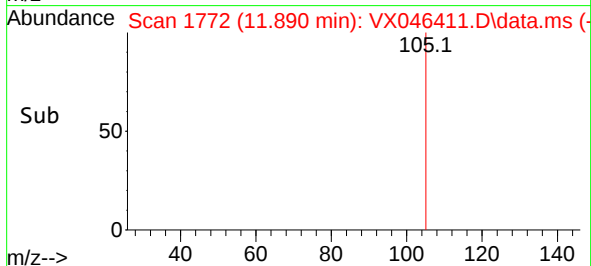
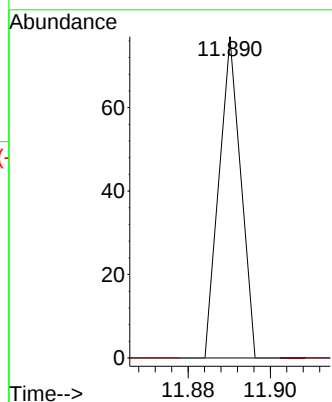
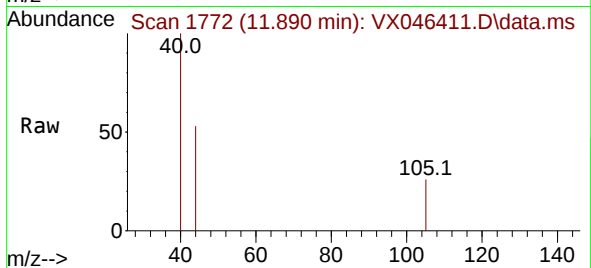




#85
 sec-Butylbenzene
 Concen: 0.007 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

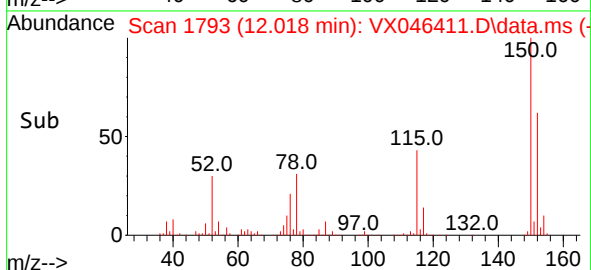
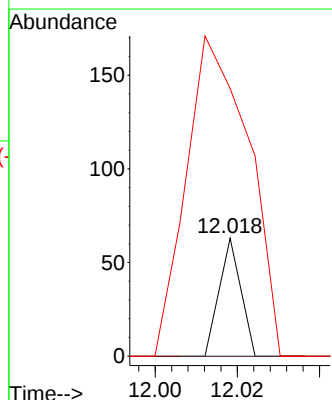
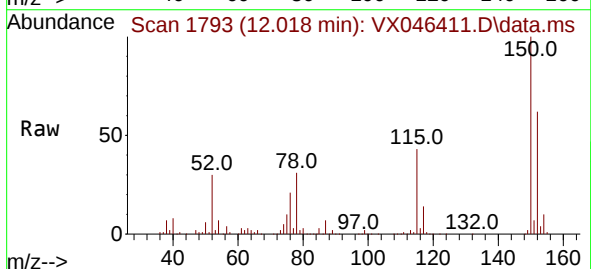
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

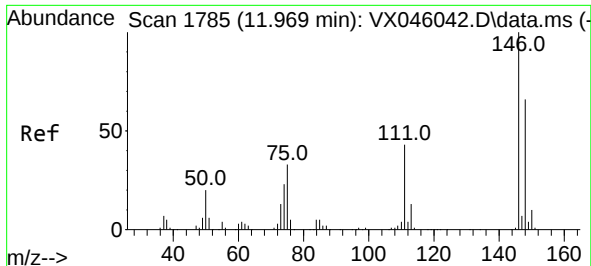
Tgt Ion:105 Resp: 28
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#86
 p-Isopropyltoluene
 Concen: 0.007 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.012 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

Tgt Ion:119 Resp: 23
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.5 37.5#
 91 782.6 13.8 41.4#

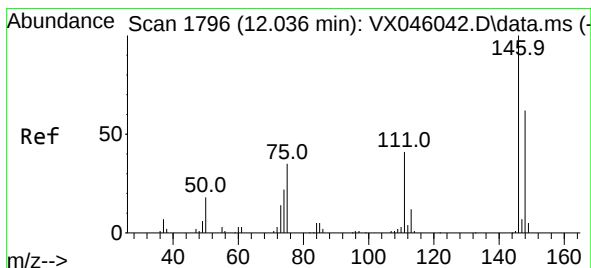
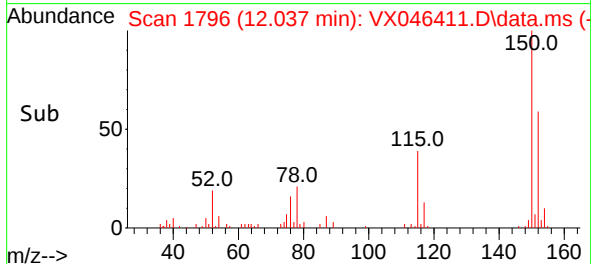
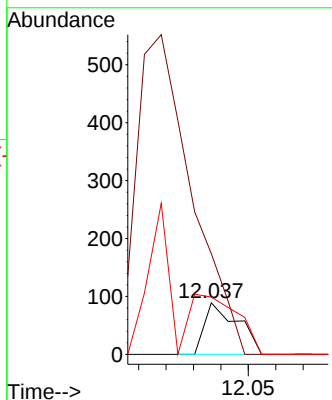
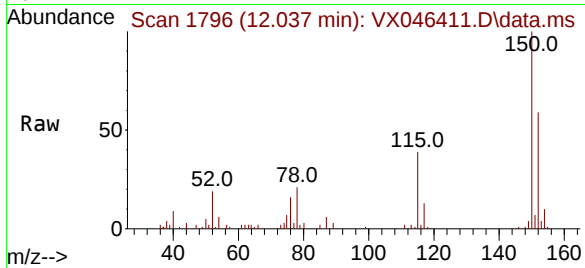




#87
 1,3-Dichlorobenzene
 Concen: 0.044 ug/l
 RT: 12.037 min Scan# 1796
 Delta R.T. 0.067 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

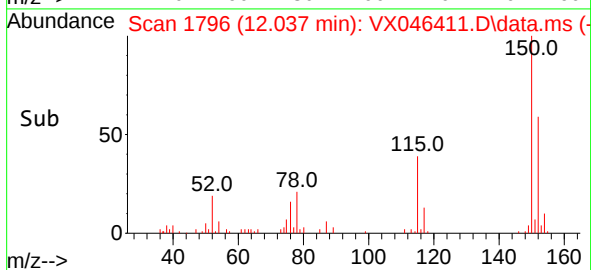
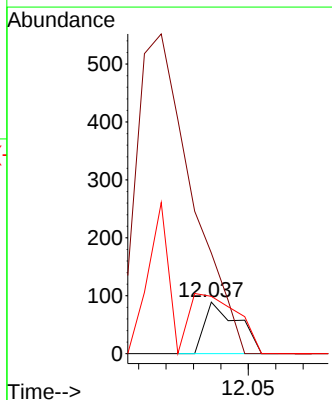
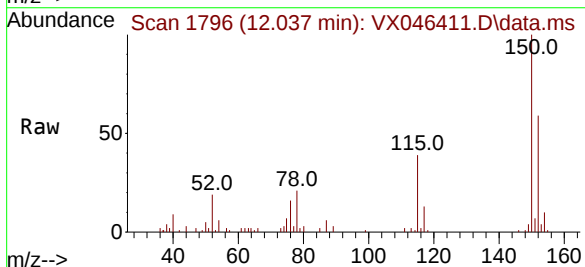
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

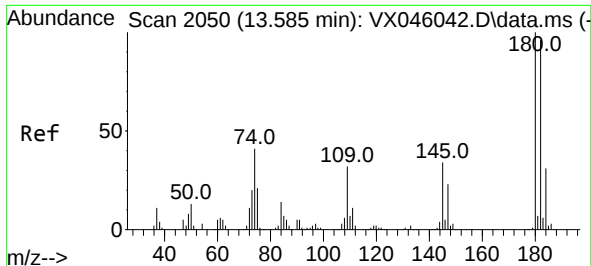
Tgt Ion:146 Resp: 75
 Ion Ratio Lower Upper
 146 100
 111 1033.3 22.1 66.3#
 148 277.3 32.1 96.5#



#88
 1,4-Dichlorobenzene
 Concen: 0.043 ug/l
 RT: 12.037 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

Tgt Ion:146 Resp: 75
 Ion Ratio Lower Upper
 146 100
 111 1033.3 21.3 63.9#
 148 277.3 31.9 95.5#

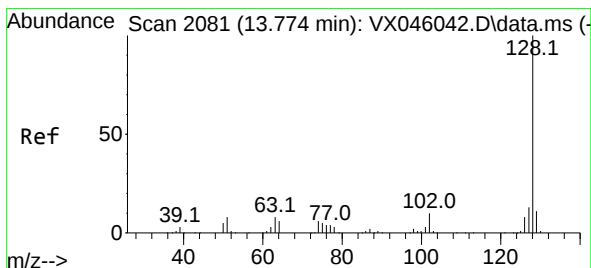
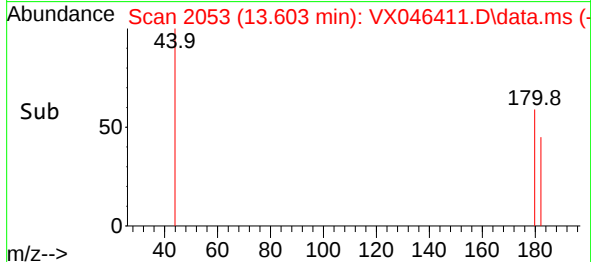
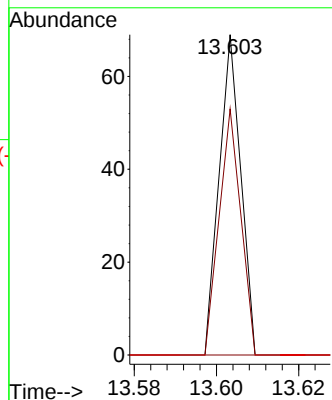
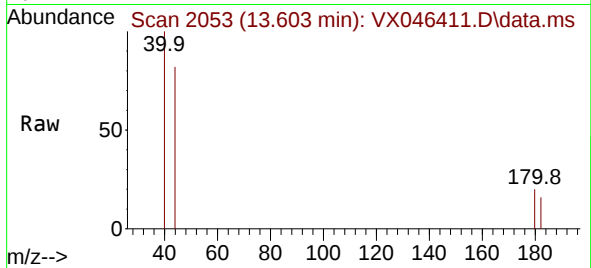




#93
 1,2,4-Trichlorobenzene
 Concen: 0.026 ug/l
 RT: 13.603 min Scan# 2053
 Delta R.T. 0.018 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

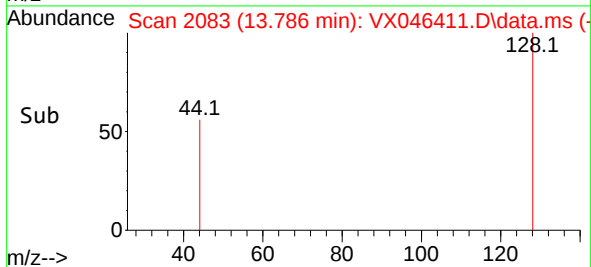
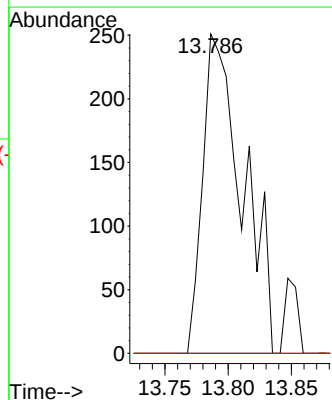
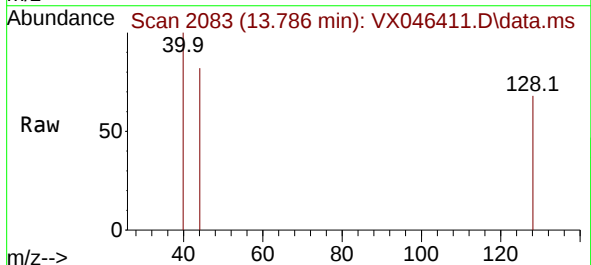
Instrument :
 MSVOA_X
 ClientSampleId :
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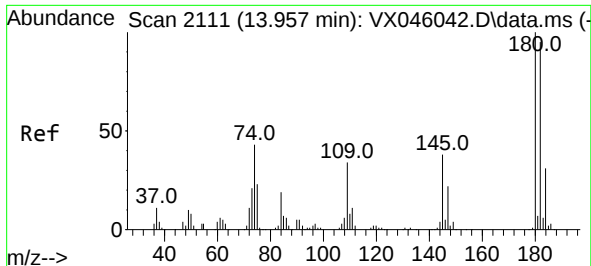
Tgt Ion:180 Resp: 25
 Ion Ratio Lower Upper
 180 100
 182 76.0 47.9 143.8
 145 0.0 17.1 51.2#



#95
 Naphthalene
 Concen: 0.154 ug/l
 RT: 13.786 min Scan# 2083
 Delta R.T. 0.012 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

Tgt Ion:128 Resp: 551
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.060 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX046411.D
 Acq: 30 May 2025 11:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

Tgt Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 18.1 54.3#

