

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046030.D
 Acq On : 02 May 2025 16:11
 Operator : JC/MD
 Sample : Q1932-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

Quant Time: May 02 23:18:32 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

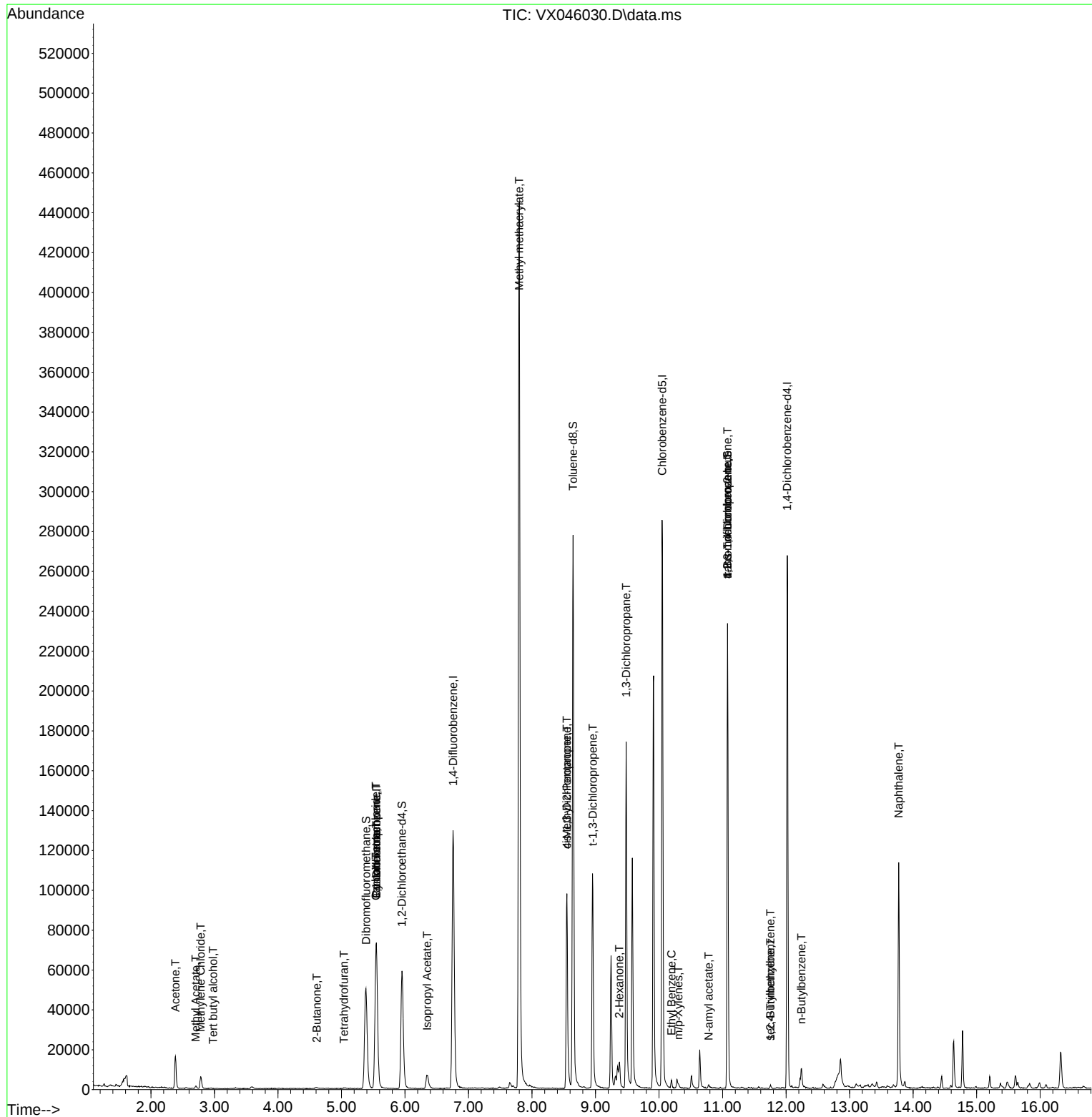
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	61946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60387	53.306	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.620%	
35) Dibromofluoromethane	5.385	113	44224	50.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.640%	
50) Toluene-d8	8.647	98	156718	51.093	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	11.079	95	61680	55.206	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	52	0.342	ug/l #	72
16) Acetone	2.386	43	18196	39.117	ug/l	96
18) Methyl Acetate	2.703	43	1881	1.756	ug/l	91
20) Methylene Chloride	2.782	84	2802	3.218	ug/l	96
25) 2-Butanone	4.611	43	1444	2.121	ug/l #	90
29) Tetrahydrofuran	5.038	42	341	0.772	ug/l #	60
31) Cyclohexane	5.550	56	1982	1.426	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	6186	5.213	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7777	6.065	ug/l #	17
43) Isopropyl Acetate	6.348	43	10921	4.819	ug/l	99
48) Methyl methacrylate	7.799	41	43439	37.123	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	38843	25.854	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	224	2.449	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14542	11.164	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1497	0.984	ug/l #	42
59) 2-Hexanone	9.372	43	12263	11.022	ug/l #	28
67) Ethyl Benzene	10.195	91	2350	0.530	ug/l	92
68) m/p-Xylenes	10.305	106	414	0.257	ug/l	81
74) N-amyl acetate	10.780	43	1310	0.684	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	36080	29.588	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36080	100.419	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1015	0.305	ug/l	98
85) sec-Butylbenzene	11.756	105	1015	0.252	ug/l #	58
89) n-Butylbenzene	12.244	91	710	0.247	ug/l #	36
95) Naphthalene	13.774	128	71562	20.632	ug/l	100

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

Instrument :
MSVOA_X
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COMP-4

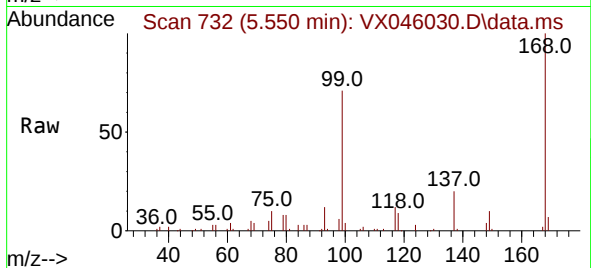
Instrument :
MSVOA_X
ClientSampleId :
COMP-4



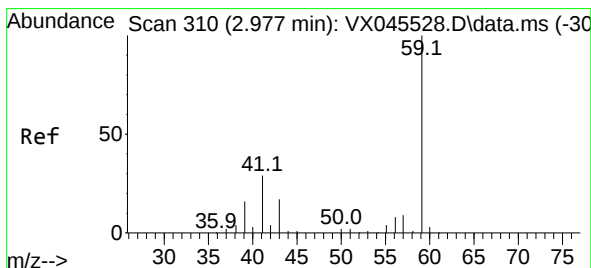
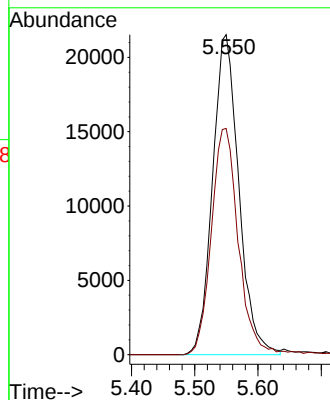
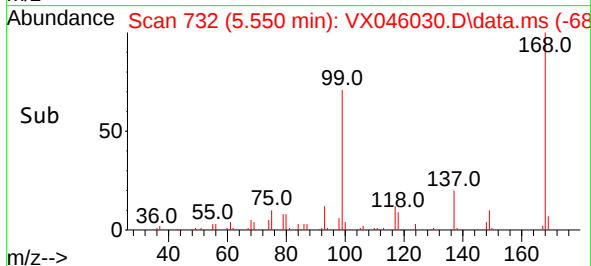


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Instrument :
MSVOA_X
ClientSampleId :
COMP-4

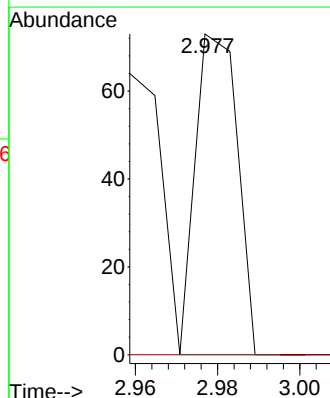
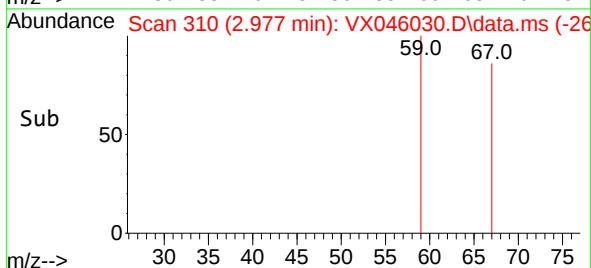
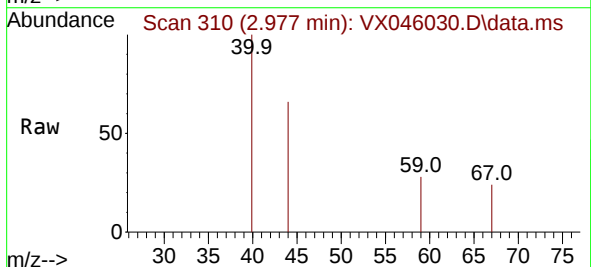


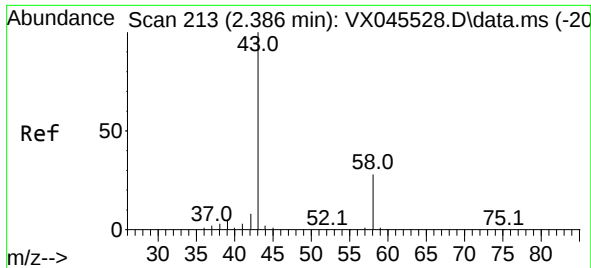
Tgt Ion:168 Resp: 61946
Ion Ratio Lower Upper
168 100
99 70.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.342 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

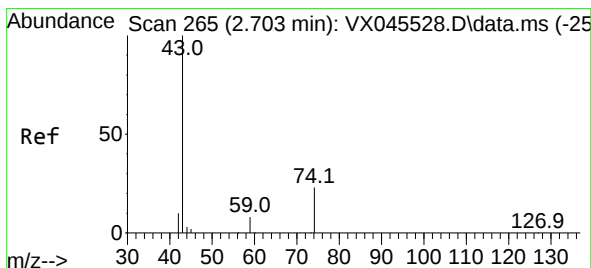
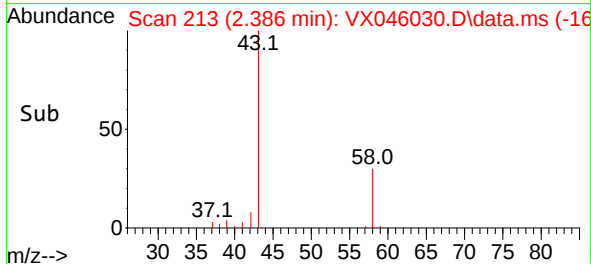
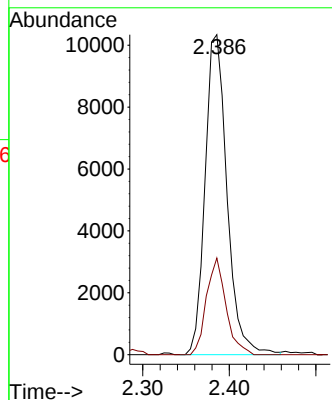
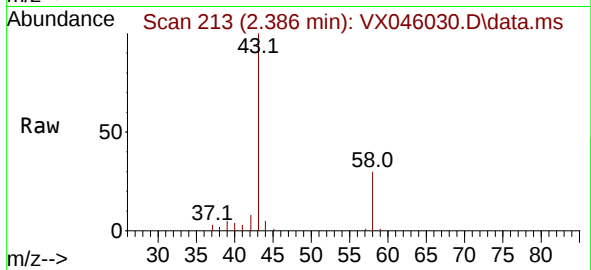




#16
Acetone
Concen: 39.117 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

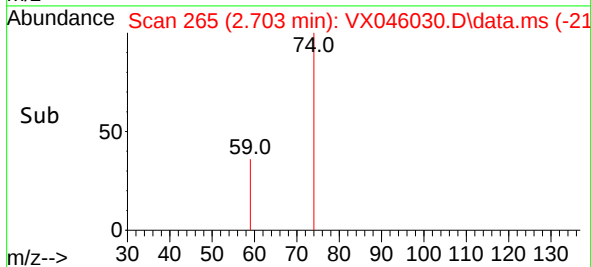
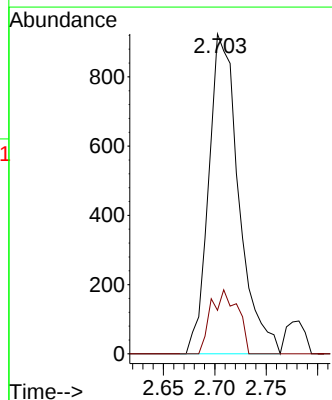
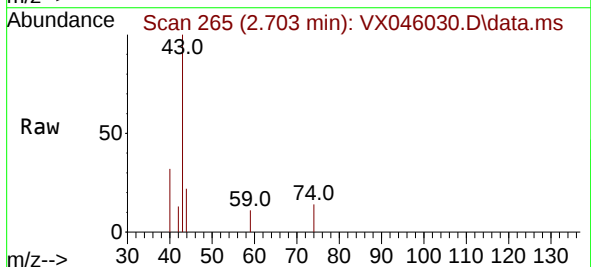
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

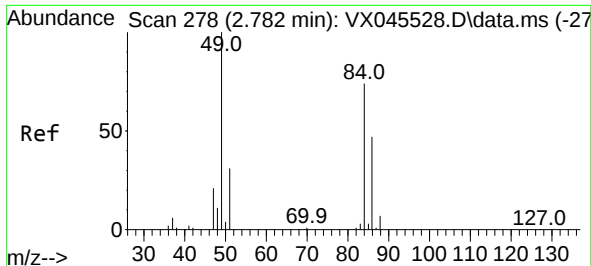
Tgt Ion: 43 Resp: 18196
Ion Ratio Lower Upper
43 100
58 30.2 22.3 33.5



#18
Methyl Acetate
Concen: 1.756 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
74 17.7 17.5 26.3

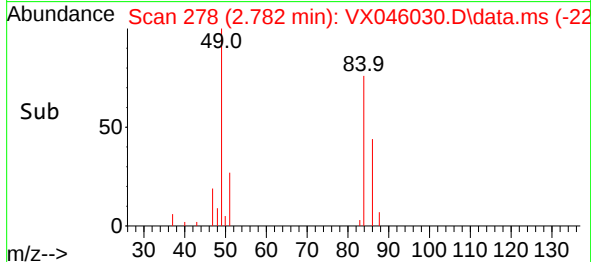
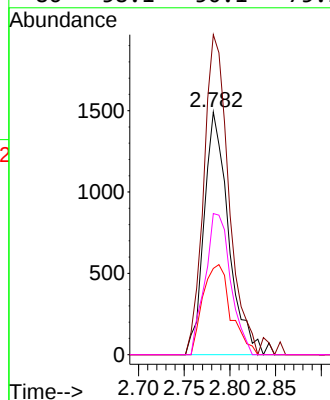
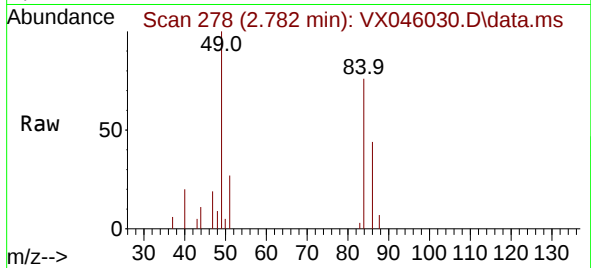




#20
Methylene Chloride
Concen: 3.218 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

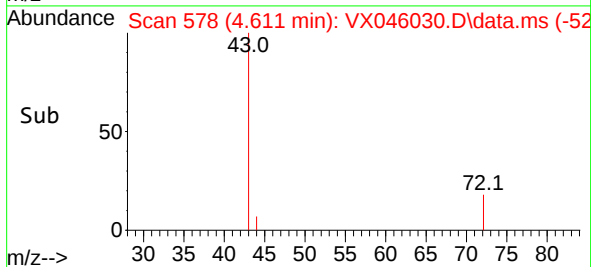
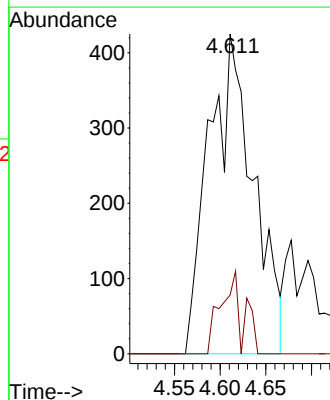
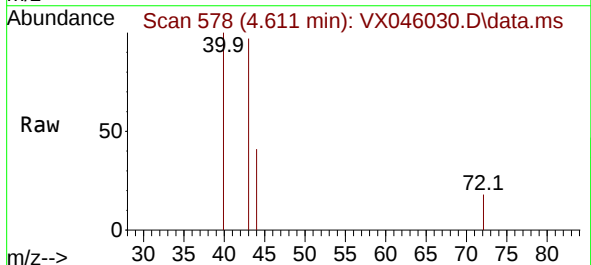
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

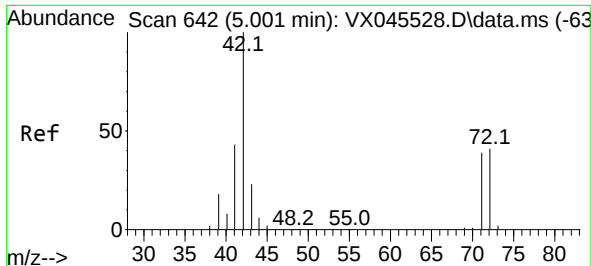
Tgt Ion:	84	Resp:	2802
Ion	Ratio	Lower	Upper
84	100		
49	131.8	107.5	161.3
51	35.5	33.0	49.6
86	58.1	50.1	75.1



#25
2-Butanone
Concen: 2.121 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion:	43	Resp:	1444
Ion	Ratio	Lower	Upper
43	100		
72	18.4	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.772 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.036 min

Lab File: VX046030.D

Acq: 02 May 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

COMP-4

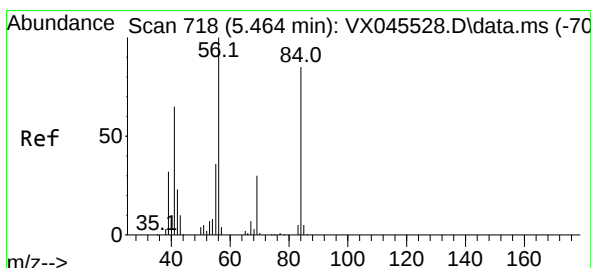
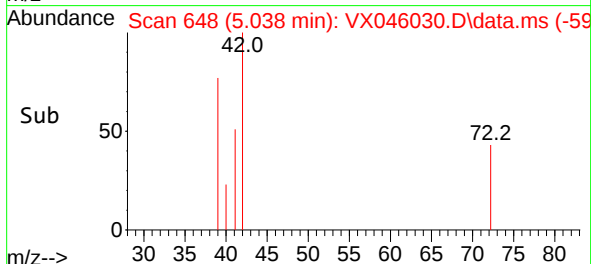
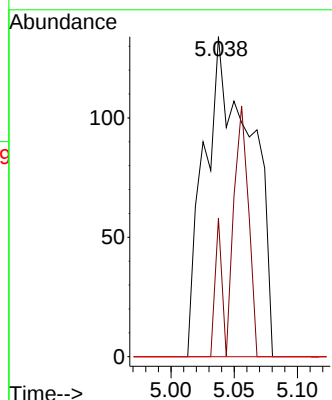
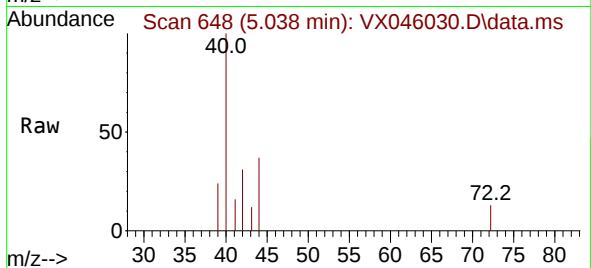
Tgt Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

72 30.8 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.426 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046030.D

Acq: 02 May 2025 16:11

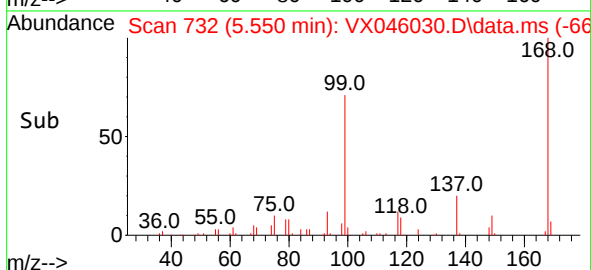
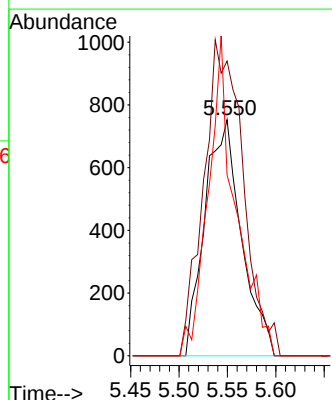
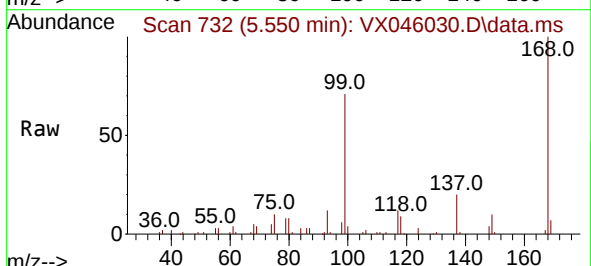
Tgt Ion: 56 Resp: 1982

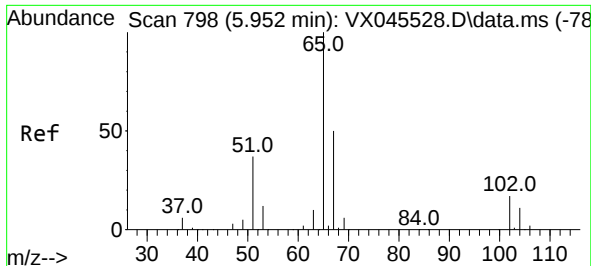
Ion Ratio Lower Upper

56 100

69 124.8 23.6 35.4#

84 76.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 53.306 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046030.D

Acq: 02 May 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

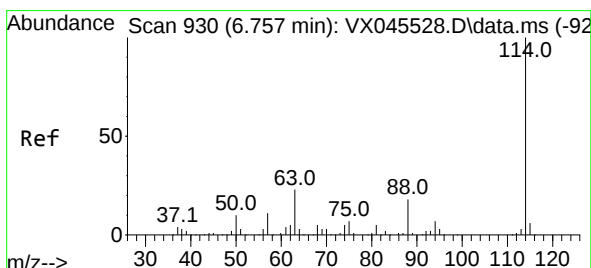
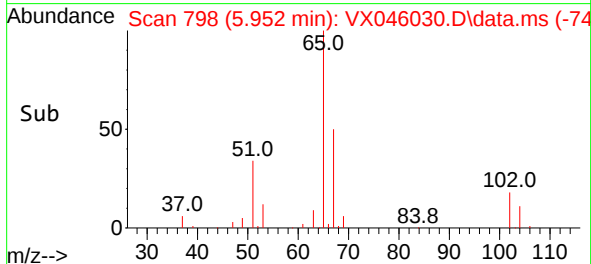
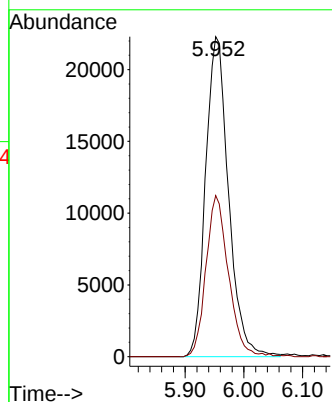
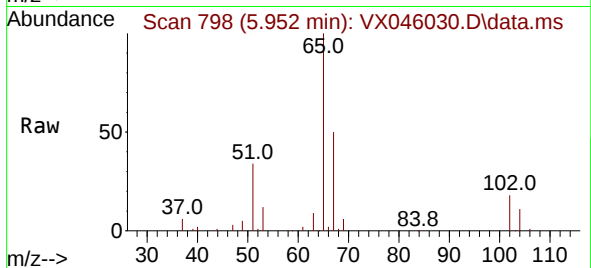
COMP-4

Tgt Ion: 65 Resp: 60387

Ion Ratio Lower Upper

65 100

67 49.4 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: VX046030.D

Acq: 02 May 2025 16:11

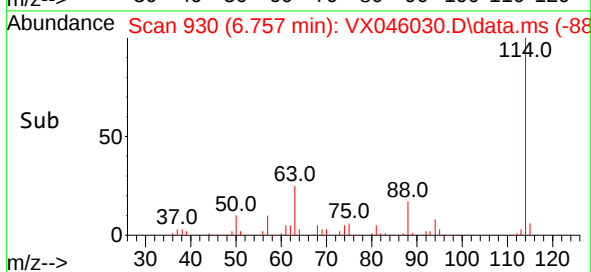
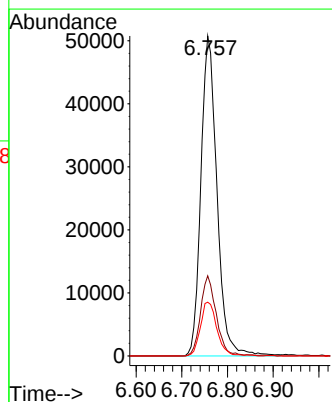
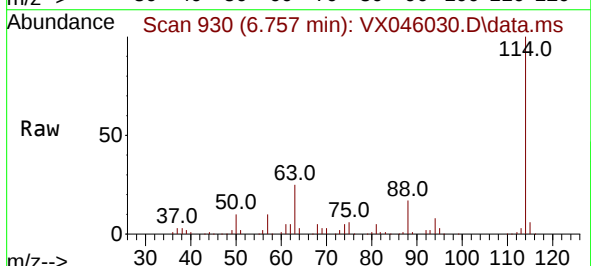
Tgt Ion: 114 Resp: 123860

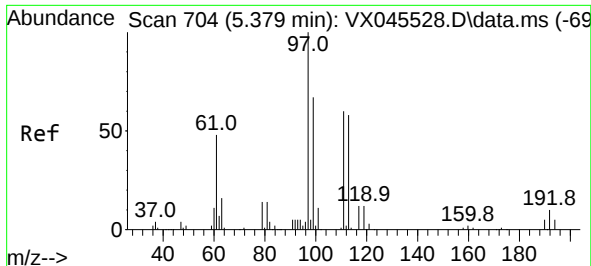
Ion Ratio Lower Upper

114 100

63 25.0 0.0 46.8

88 16.8 0.0 35.4

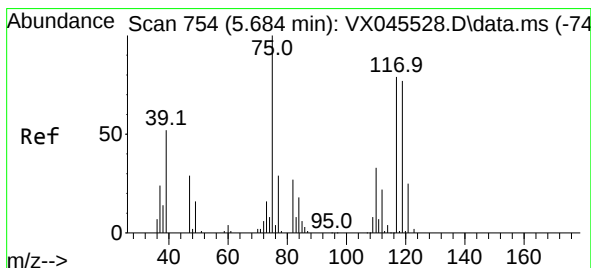
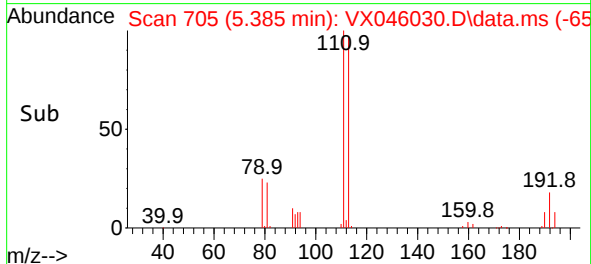
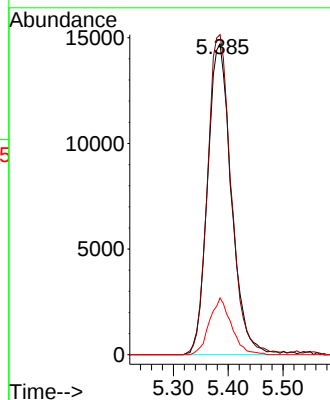
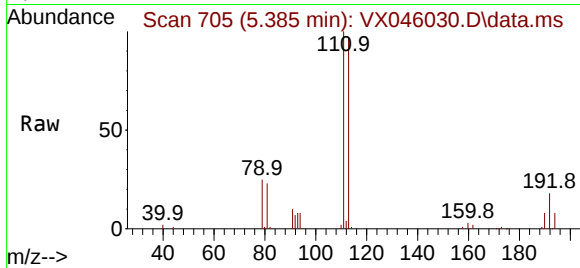




#35
Dibromofluoromethane
Concen: 50.324 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

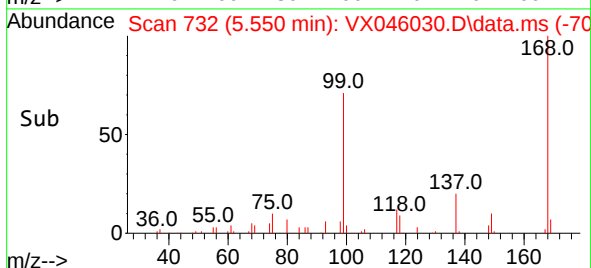
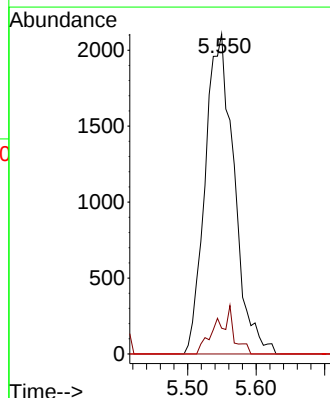
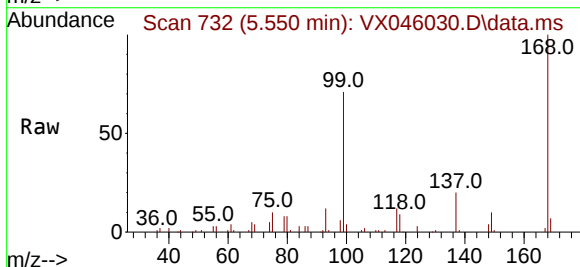
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

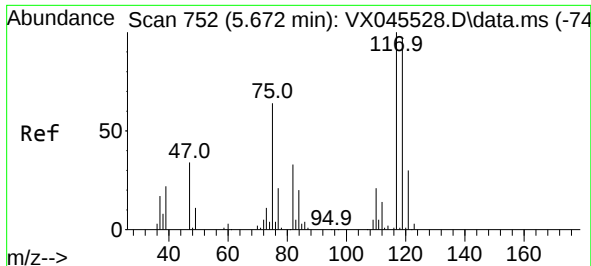
Tgt Ion:113 Resp: 44224
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

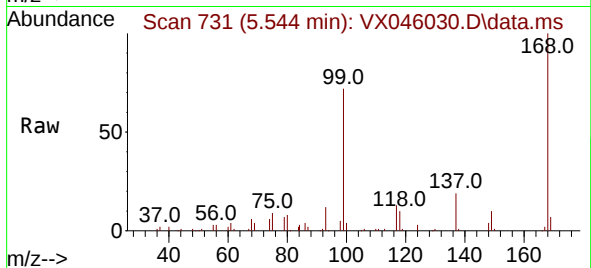
Tgt Ion: 75 Resp: 6186
Ion Ratio Lower Upper
75 100
110 5.9 16.9 50.6#
77 0.0 25.0 37.4#



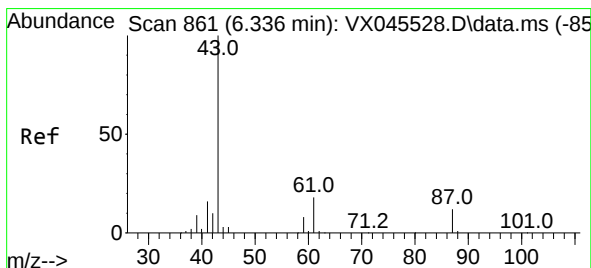
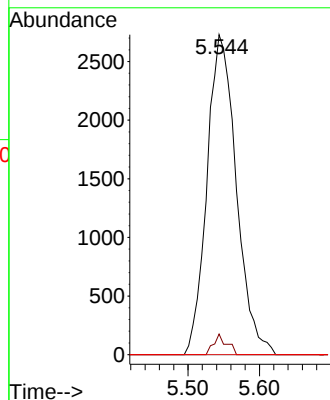
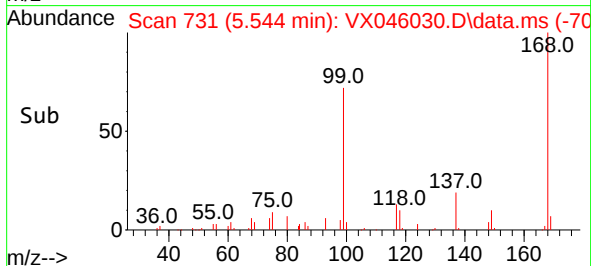


#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

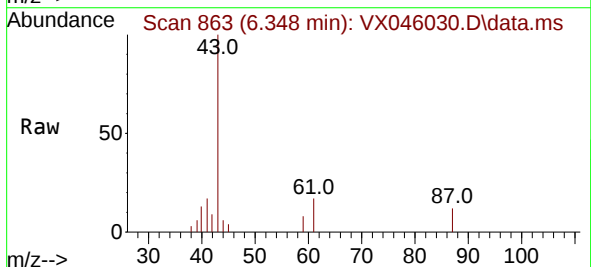
Instrument :
MSVOA_X
ClientSampleId :
COMP-4



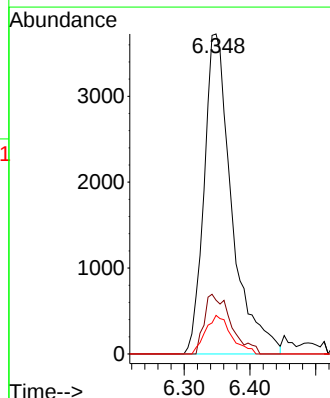
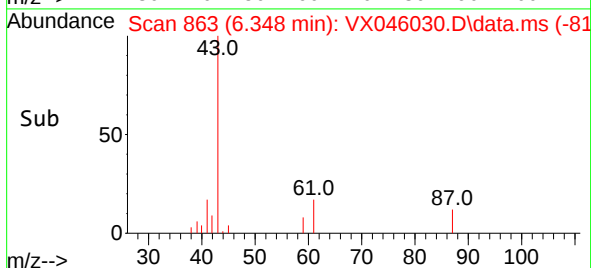
Tgt Ion:117 Resp: 7777
Ion Ratio Lower Upper
117 100
119 6.4 76.9 115.3#
121 0.0 24.2 36.2#

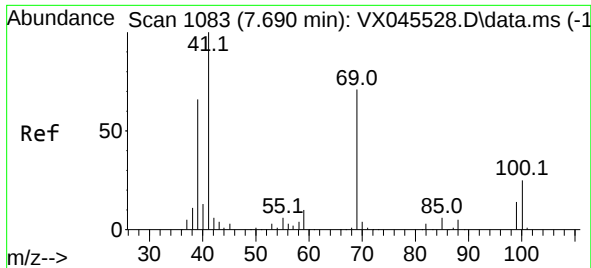


#43
Isopropyl Acetate
Concen: 4.819 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11



Tgt Ion: 43 Resp: 10921
Ion Ratio Lower Upper
43 100
61 17.9 14.1 21.1
87 11.1 9.2 13.8

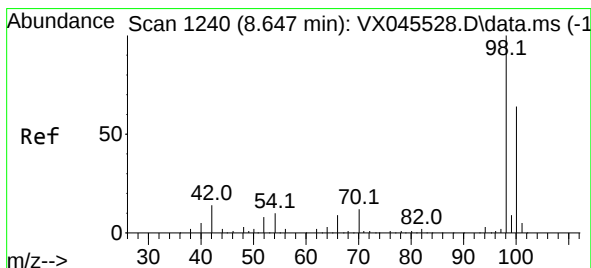
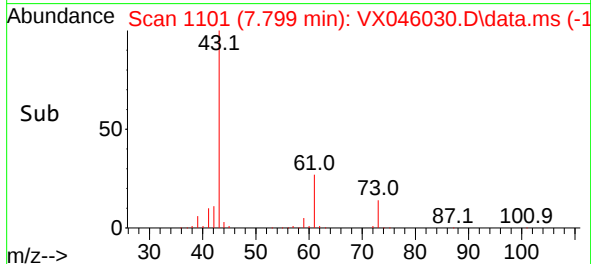
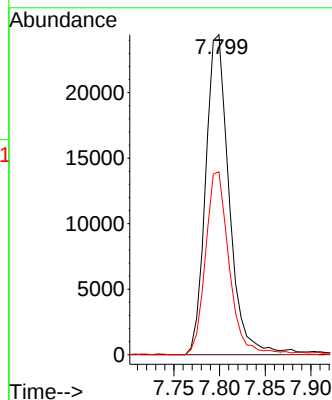
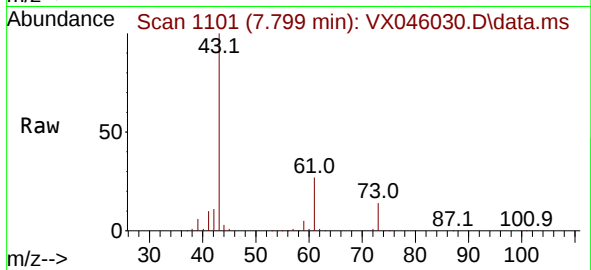




#48
Methyl methacrylate
Concen: 37.123 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

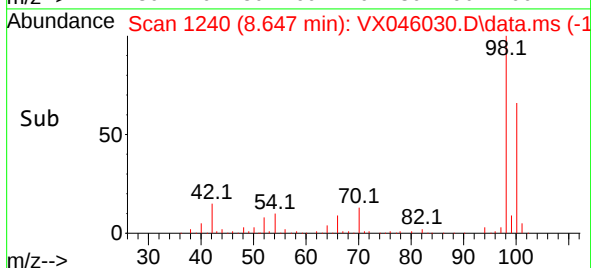
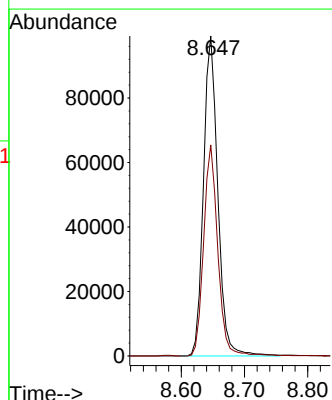
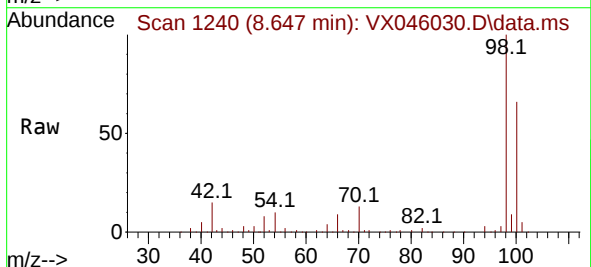
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

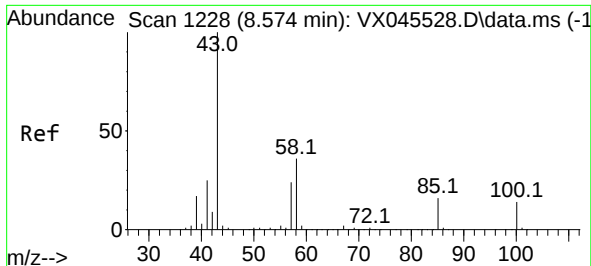
Tgt Ion: 41 Resp: 43439
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.2 53.6 80.4



#50
Toluene-d8
Concen: 51.093 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 98 Resp: 156718
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

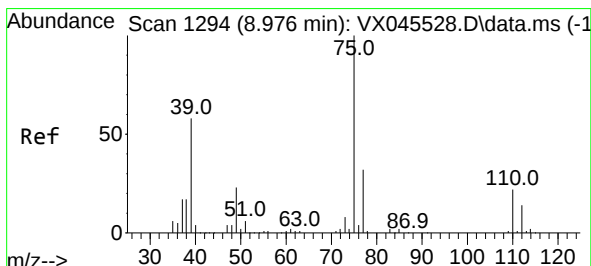
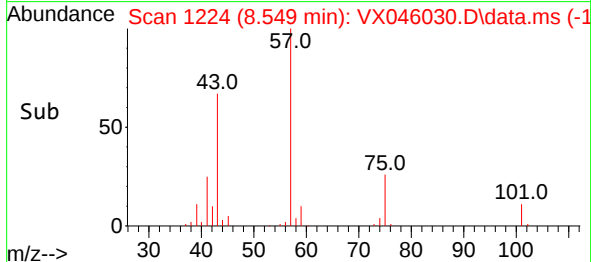
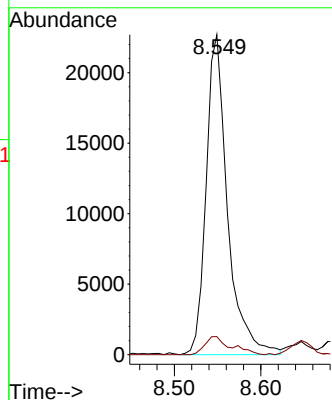
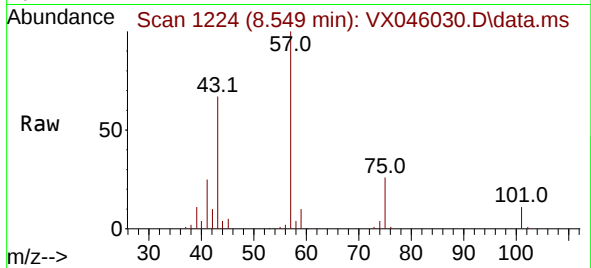




#51
4-Methyl-2-Pentanone
Concen: 25.854 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

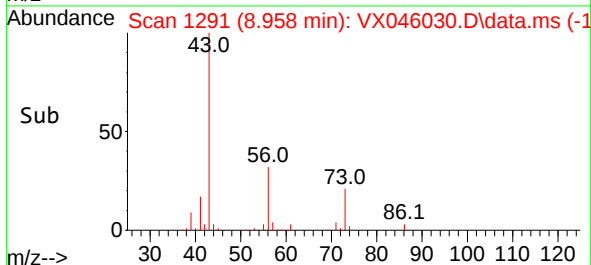
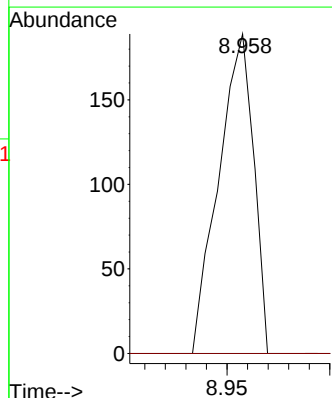
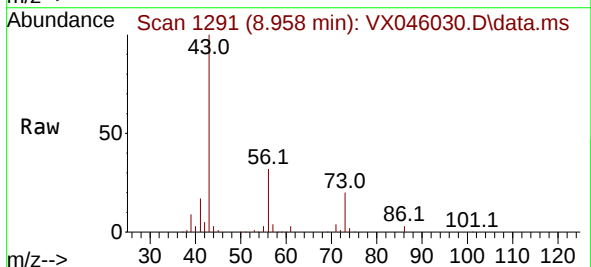
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

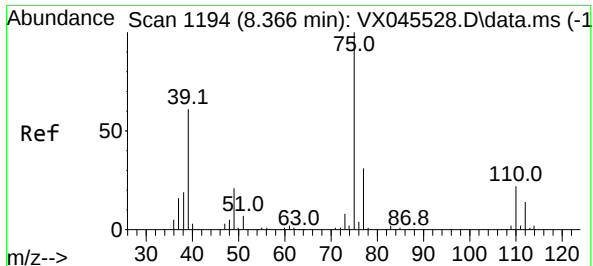
Tgt Ion: 43 Resp: 38843
Ion Ratio Lower Upper
43 100
58 6.9 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.449 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

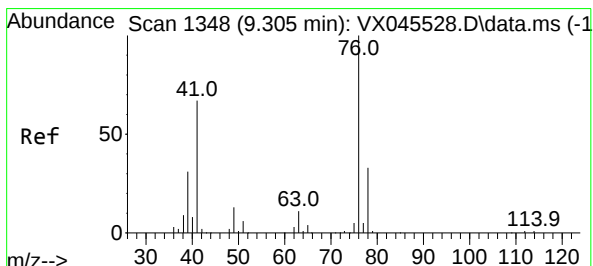
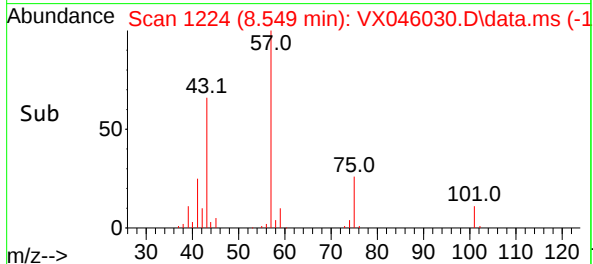
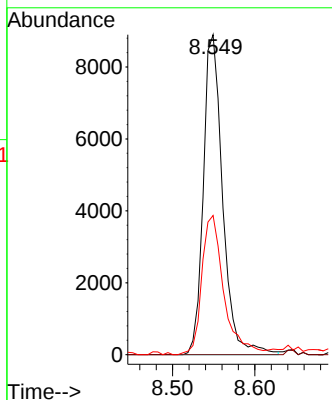
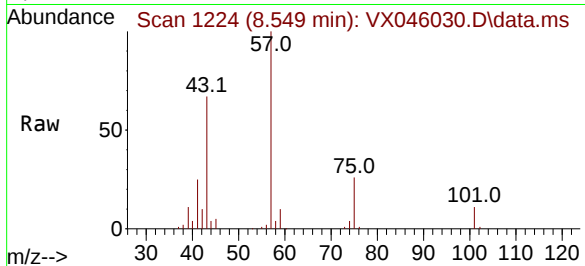




#54
 cis-1,3-Dichloropropene
 Concen: 11.164 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046030.D
 Acq: 02 May 2025 16:11

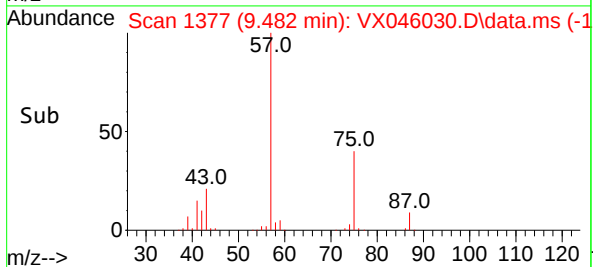
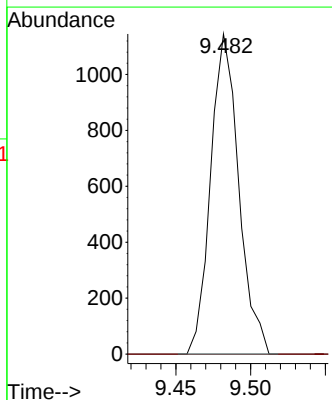
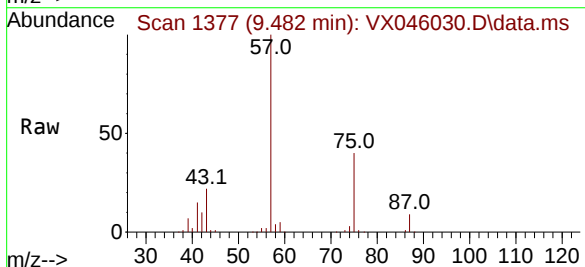
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

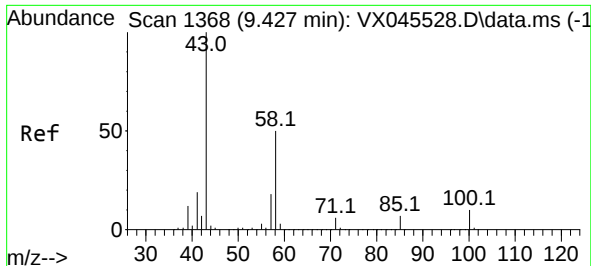
Tgt Ion: 75 Resp: 14542
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.5 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.984 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046030.D
 Acq: 02 May 2025 16:11

Tgt Ion: 76 Resp: 1497
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 11.022 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046030.D

Acq: 02 May 2025 16:11

Instrument :

MSVOA_X

ClientSampleId :

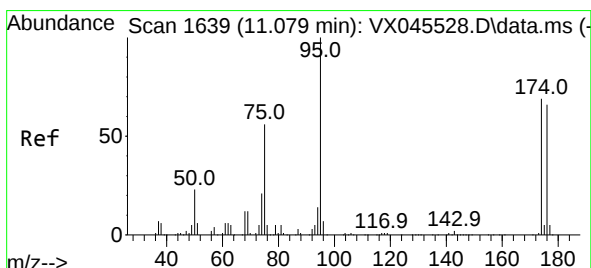
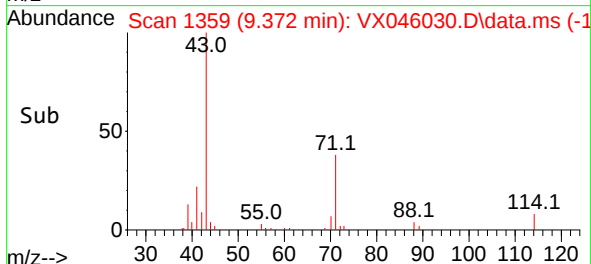
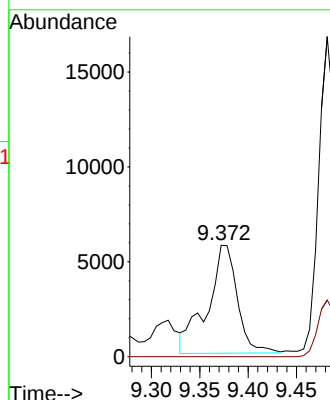
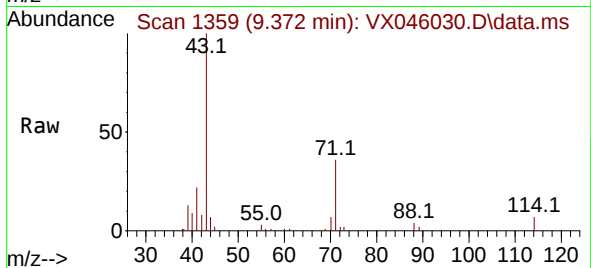
COMP-4

Tgt Ion: 43 Resp: 12263

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 55.206 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046030.D

Acq: 02 May 2025 16:11

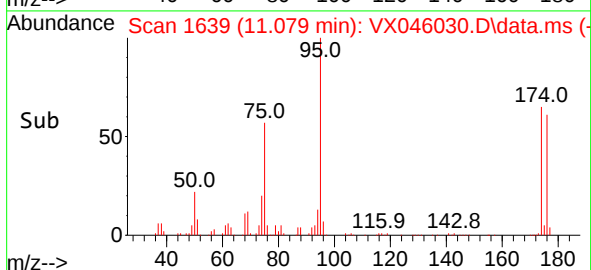
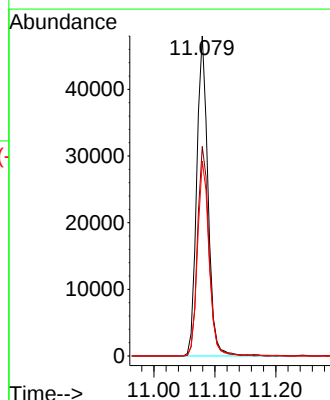
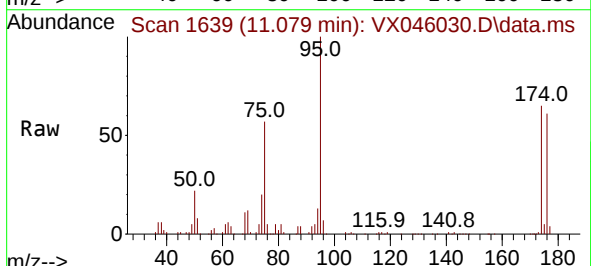
Tgt Ion: 95 Resp: 61680

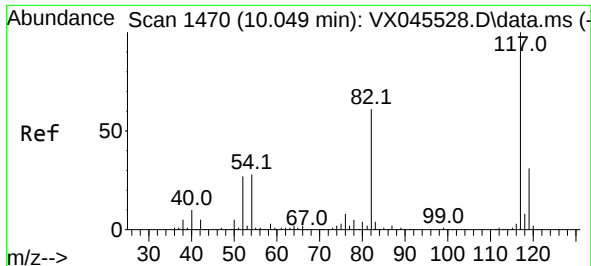
Ion Ratio Lower Upper

95 100

174 66.4 0.0 135.8

176 62.4 0.0 131.4

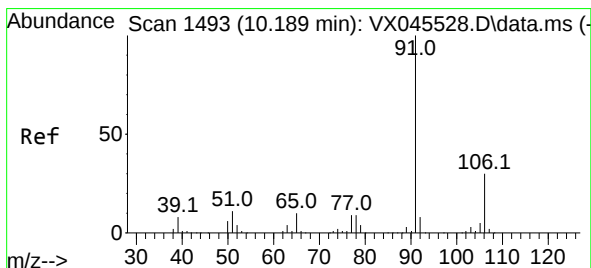
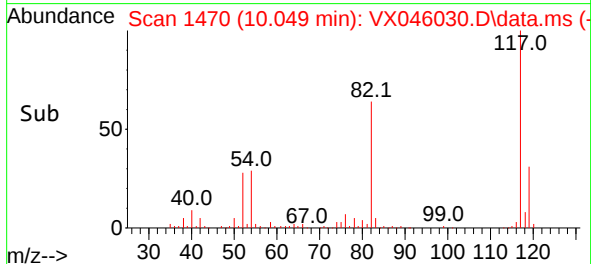
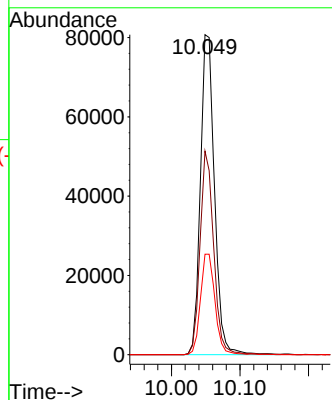
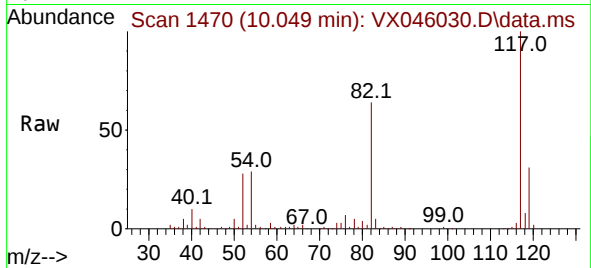




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

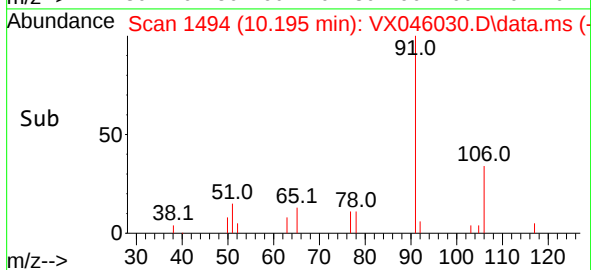
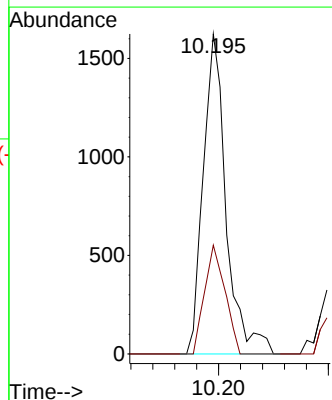
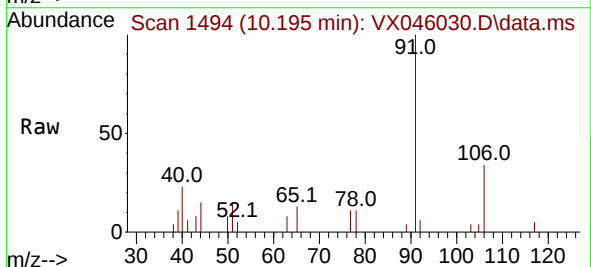
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

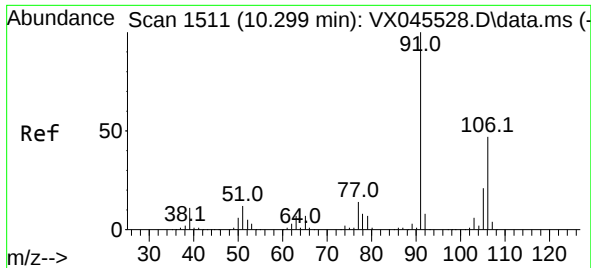
Tgt Ion:117 Resp: 115802
Ion Ratio Lower Upper
117 100
82 63.6 49.2 73.8
119 31.4 25.1 37.7



#67
Ethyl Benzene
Concen: 0.530 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 91 Resp: 2350
Ion Ratio Lower Upper
91 100
106 34.0 23.7 35.5

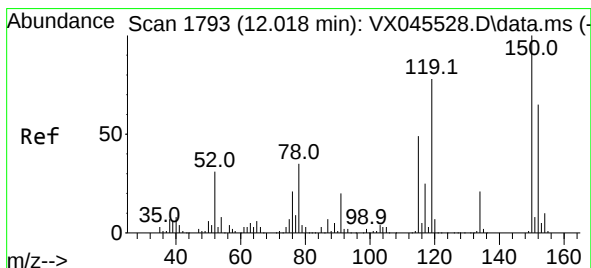
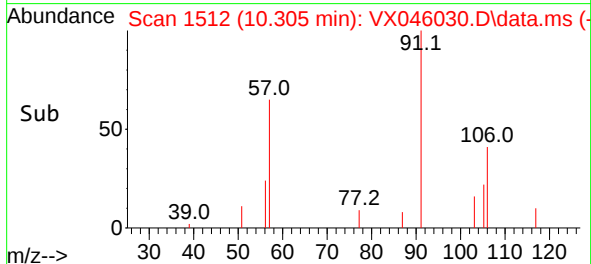
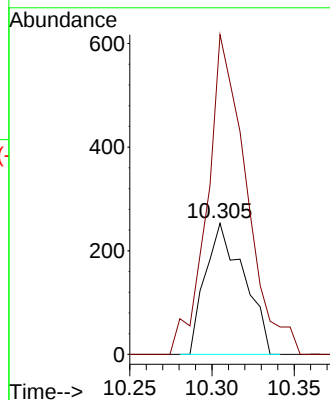
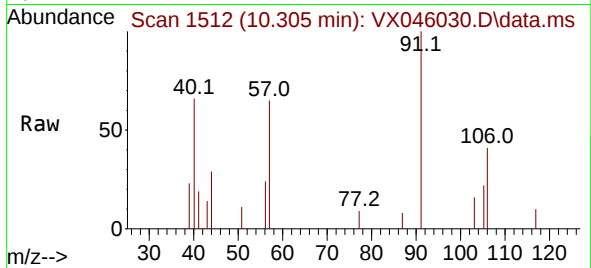




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

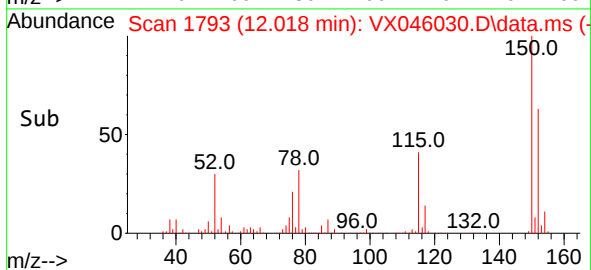
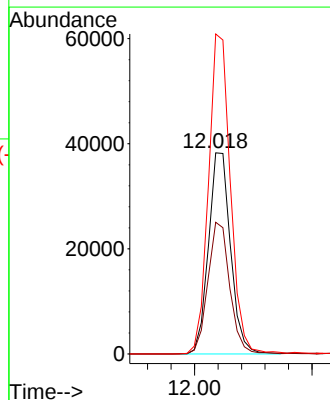
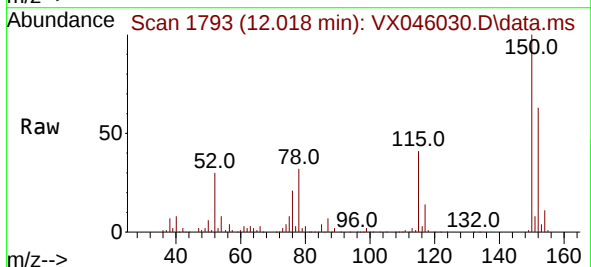
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

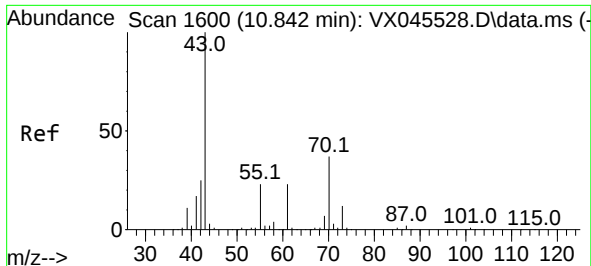
Tgt Ion:106 Resp: 414
Ion Ratio Lower Upper
106 100
91 246.4 172.6 258.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion:152 Resp: 49991
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 157.6 0.0 349.4

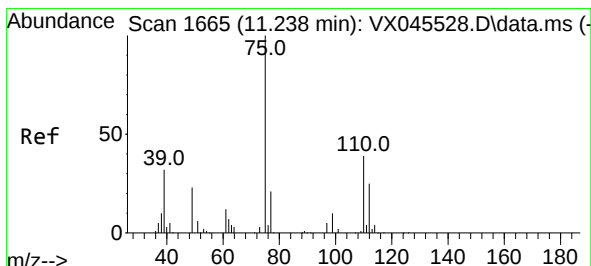
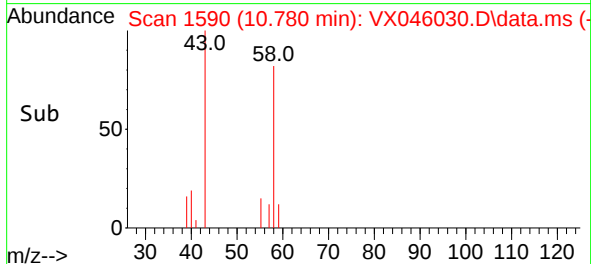
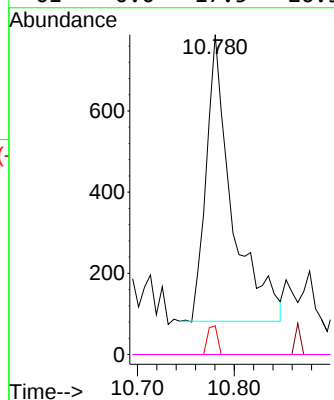
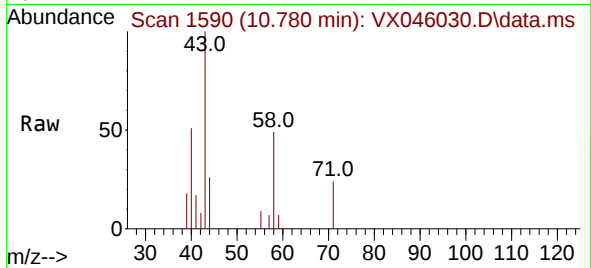




#74
N-amy1 acetate
Concen: 0.684 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

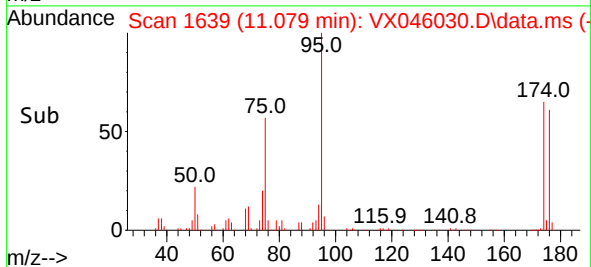
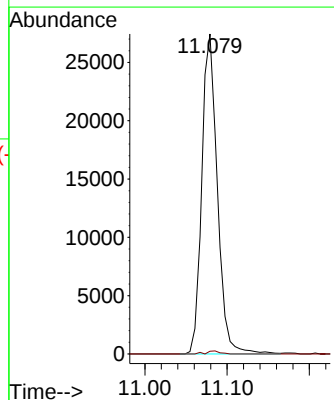
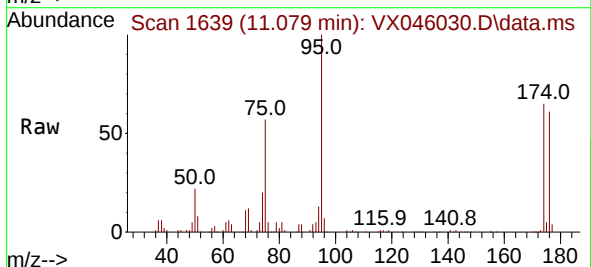
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

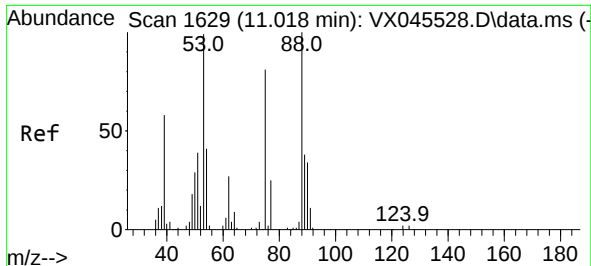
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 3.8 18.3 27.5#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 29.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion: 75 Resp: 36080
Ion Ratio Lower Upper
75 100
77 0.8 20.0 59.9#

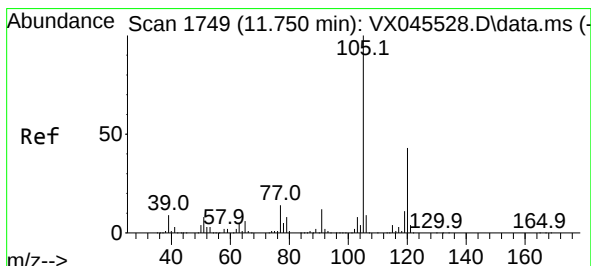
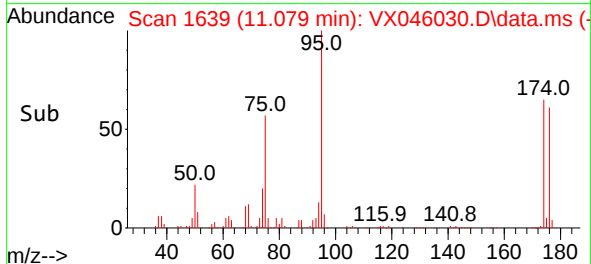
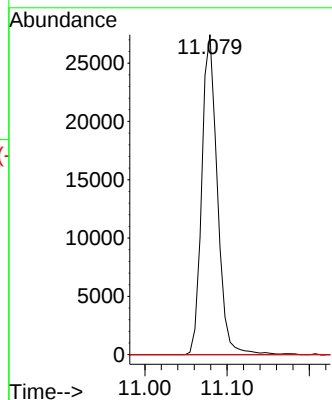
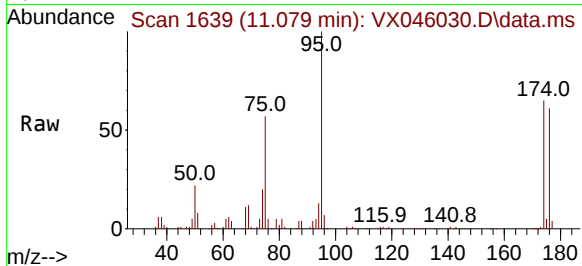




#81
trans-1,4-Dichloro-2-butene
Concen: 100.419 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

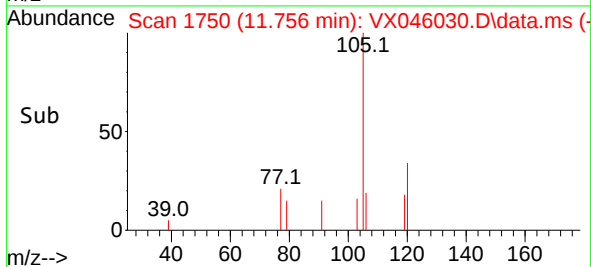
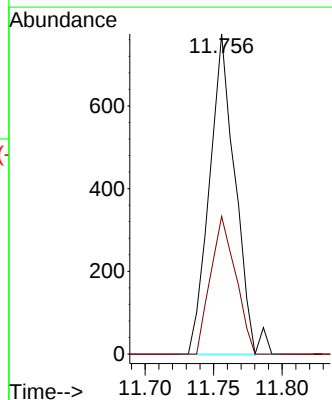
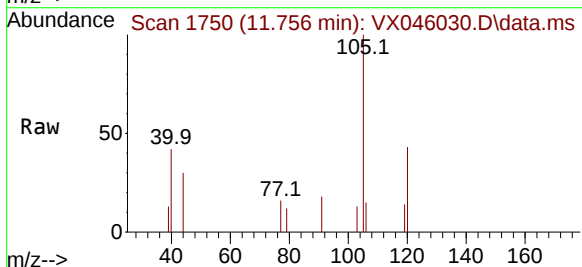
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

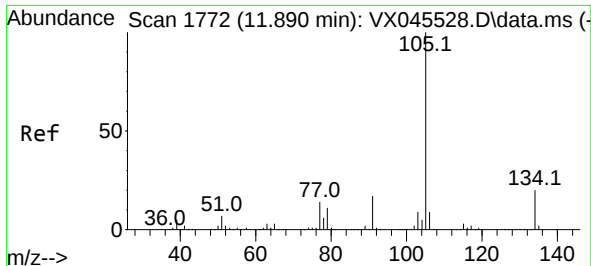
Tgt Ion: 75 Resp: 36080
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.305 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Tgt Ion:105 Resp: 1015
Ion Ratio Lower Upper
105 100
120 41.7 21.4 64.3

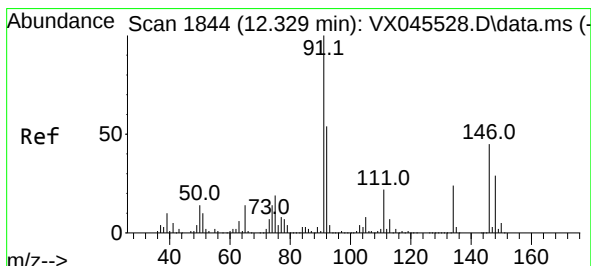
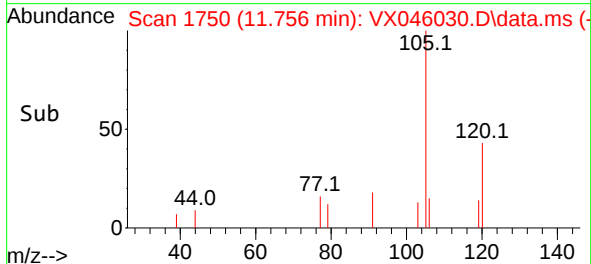
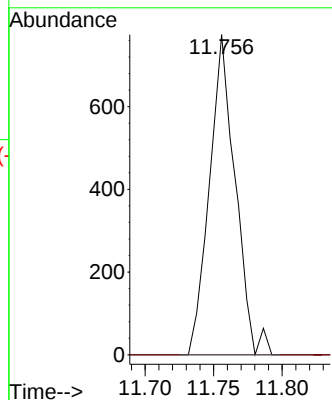
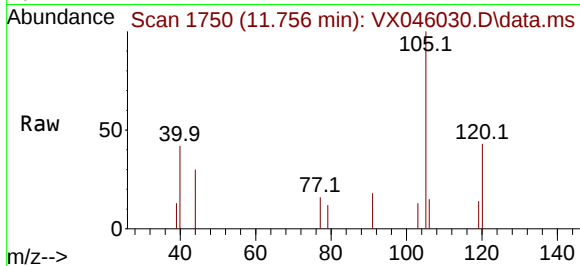




#85
 sec-Butylbenzene
 Concen: 0.252 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX046030.D
 Acq: 02 May 2025 16:11

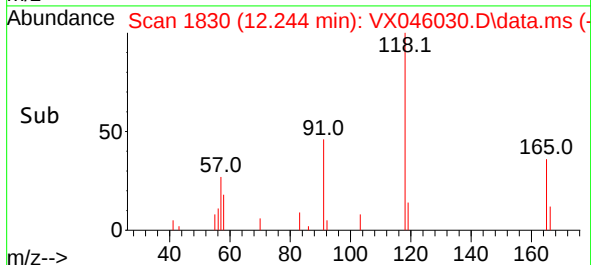
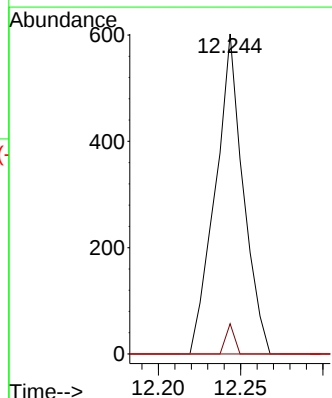
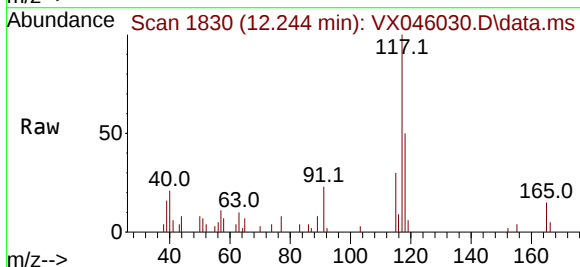
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

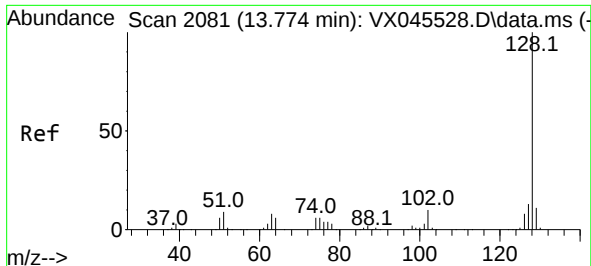
Tgt Ion:105 Resp: 1015
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 0.247 ug/l
 RT: 12.244 min Scan# 1830
 Delta R.T. -0.085 min
 Lab File: VX046030.D
 Acq: 02 May 2025 16:11

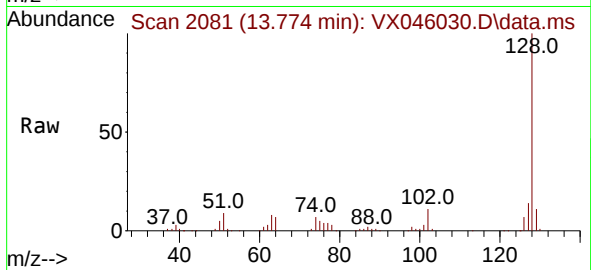
Tgt Ion: 91 Resp: 710
 Ion Ratio Lower Upper
 91 100
 92 3.0 26.9 80.6#
 134 0.0 11.9 35.7#





#95
Naphthalene
Concen: 20.632 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046030.D
Acq: 02 May 2025 16:11

Instrument :
MSVOA_X
ClientSampleId :
COMP-4



Tgt Ion:128 Resp: 71562
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.6 12.8

