

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046032.D
 Acq On : 02 May 2025 16:58
 Operator : JC/MD
 Sample : Q1932-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-6

Quant Time: May 02 23:19:28 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)

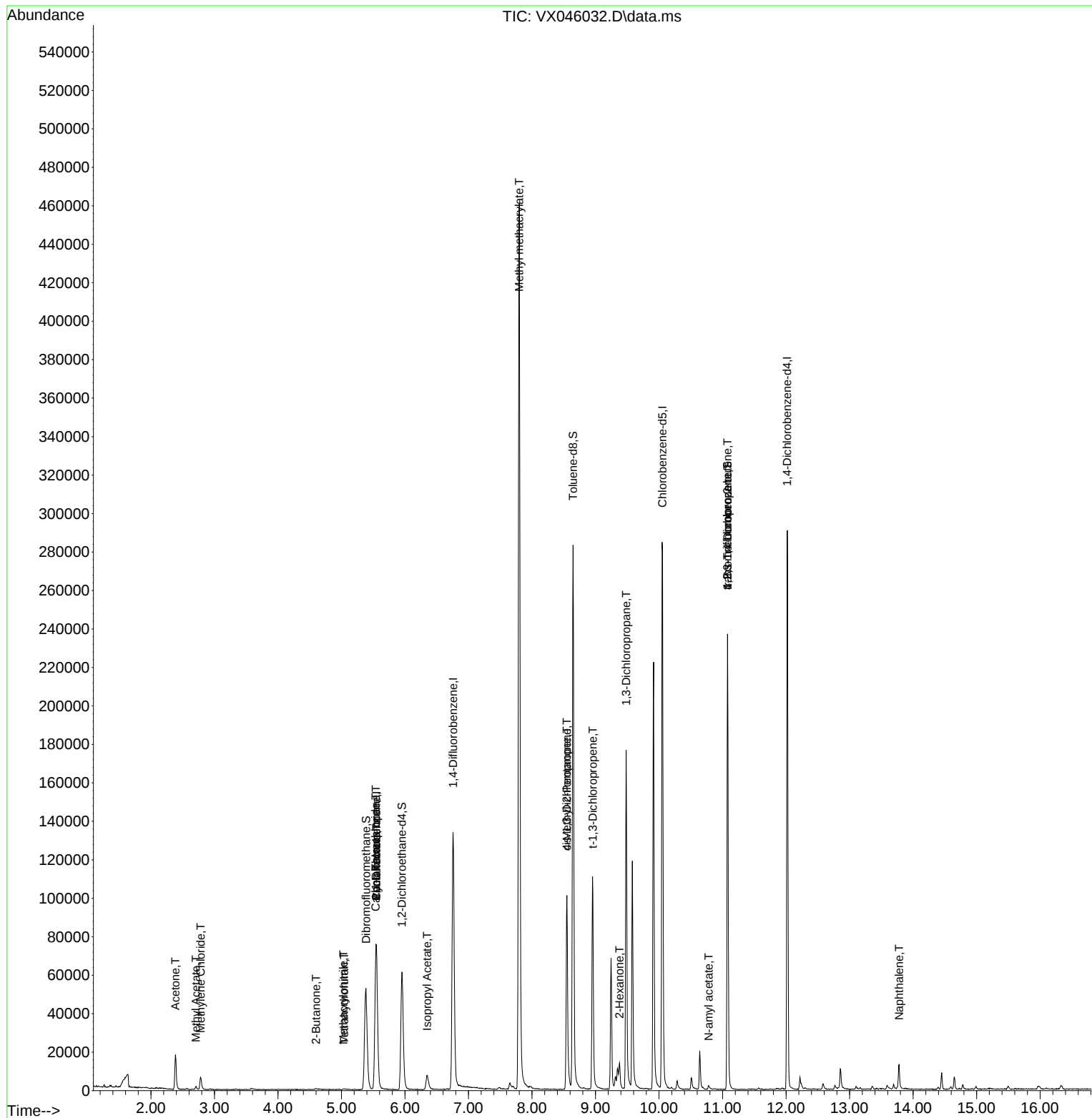
Internal Standards						
1) Pentafluorobenzene	5.549	168	66083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63772	52.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.540%	
35) Dibromofluoromethane	5.385	113	44932	49.212	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.420%	
50) Toluene-d8	8.646	98	161097	50.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	11.079	95	62099	53.497	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.000%	
Target Compounds						
					Qvalue	
16) Acetone	2.385	43	19743	39.785	ug/l	97
18) Methyl Acetate	2.709	43	2076	1.817	ug/l #	89
20) Methylene Chloride	2.782	84	2947	3.172	ug/l	99
25) 2-Butanone	4.598	43	1684	2.318	ug/l #	52
29) Tetrahydrofuran	5.043	42	354	0.752	ug/l #	40
31) Cyclohexane	5.549	56	1839	1.241	ug/l #	22
36) 1,1-Dichloropropene	5.543	75	6359	5.158	ug/l #	51
38) Carbon Tetrachloride	5.537	117	7864	5.902	ug/l #	17
41) Methacrylonitrile	5.031	41	196	0.239	ug/l #	34
43) Isopropyl Acetate	6.348	43	11699	4.969	ug/l	98
48) Methyl methacrylate	7.799	41	45134	37.125	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40659	26.048	ug/l #	52
53) t-1,3-Dichloropropene	8.957	75	181	2.414	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15456	11.421	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1566	0.991	ug/l #	42
59) 2-Hexanone	9.378	43	12227	10.578	ug/l #	28
74) N-amyl acetate	10.780	43	1588	0.783	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	35331	27.367	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35331	92.881	ug/l #	1
95) Naphthalene	13.780	128	9164	2.496	ug/l	98

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

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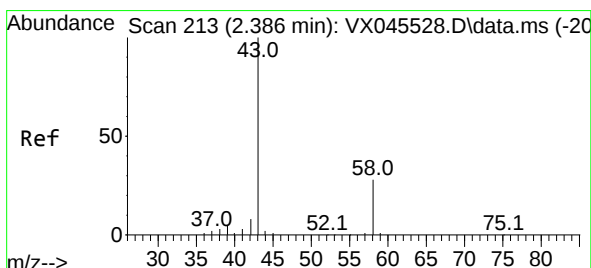
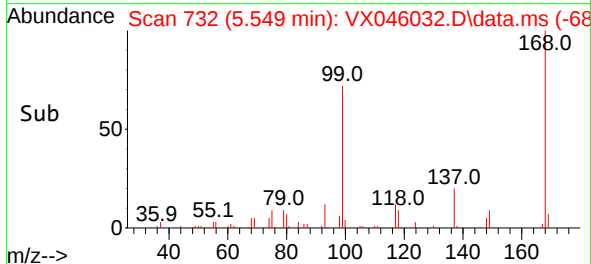
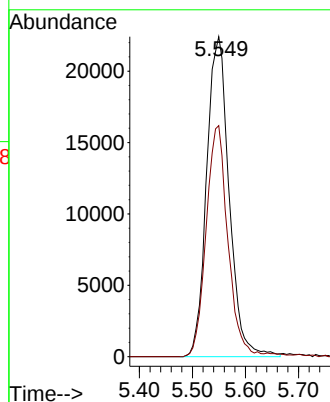
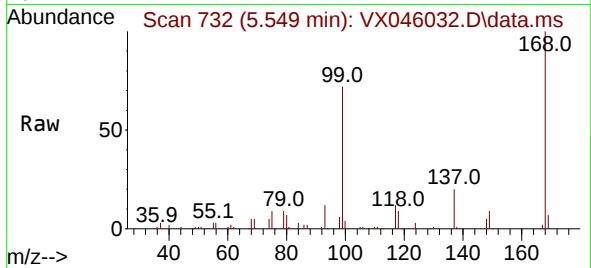




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

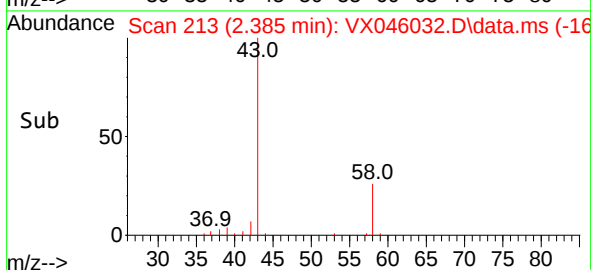
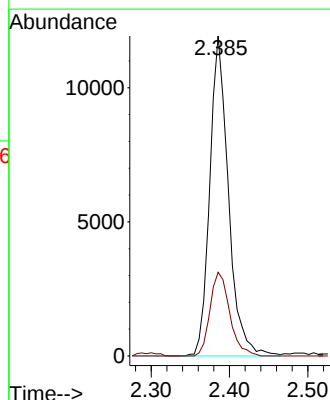
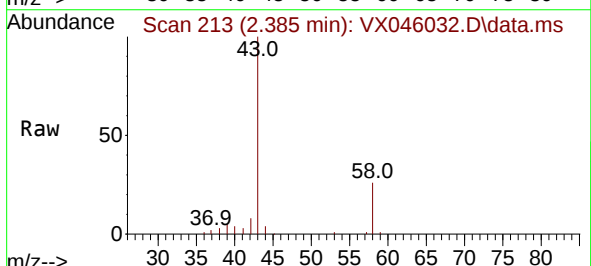
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

Tgt Ion:168 Resp: 66083
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#16
Acetone
Concen: 39.785 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 43 Resp: 19743
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5

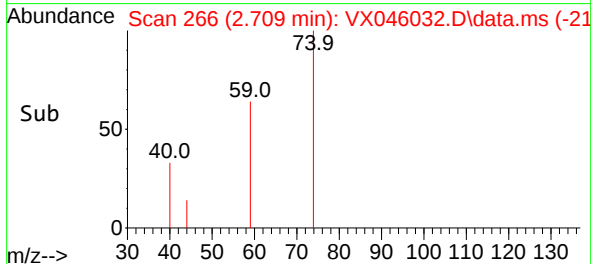
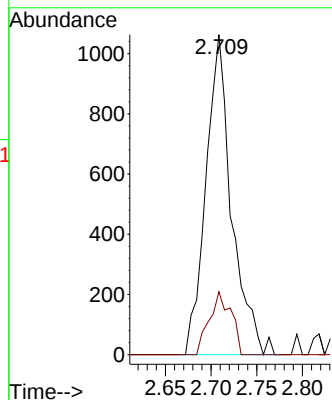
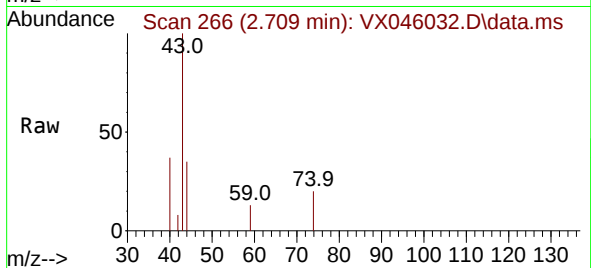




#18
Methyl Acetate
Concen: 1.817 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

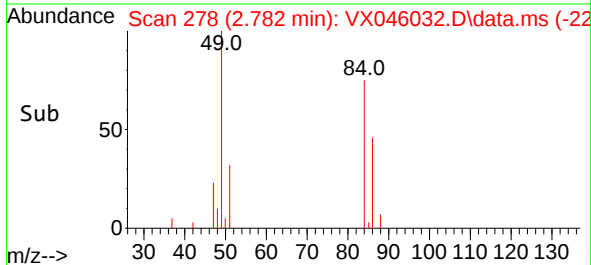
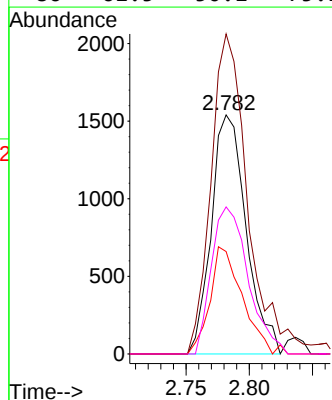
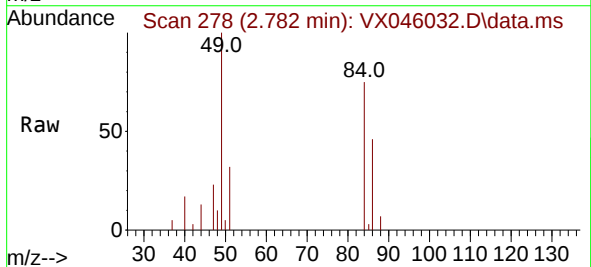
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

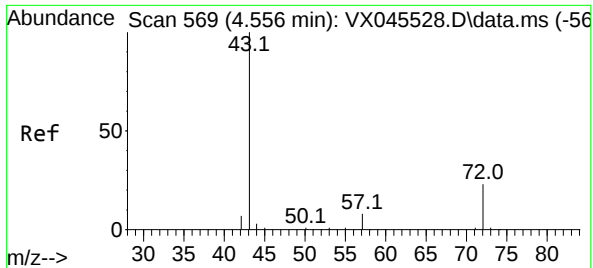
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
74 16.6 17.5 26.3#



#20
Methylene Chloride
Concen: 3.172 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 84 Resp: 2947
Ion Ratio Lower Upper
84 100
49 133.9 107.5 161.3
51 42.9 33.0 49.6
86 61.5 50.1 75.1

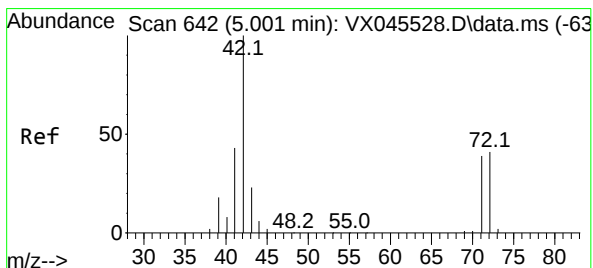
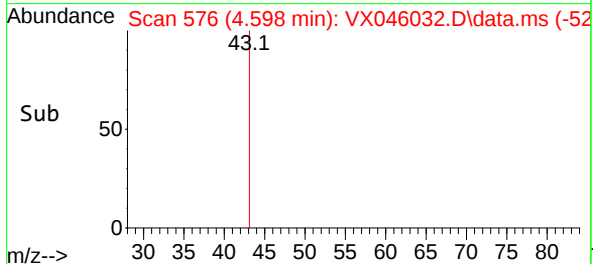
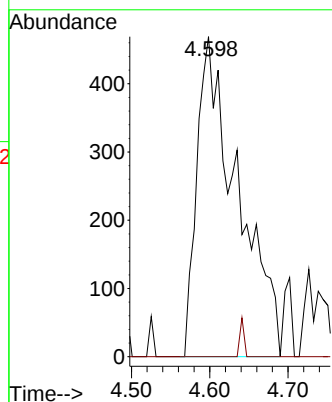
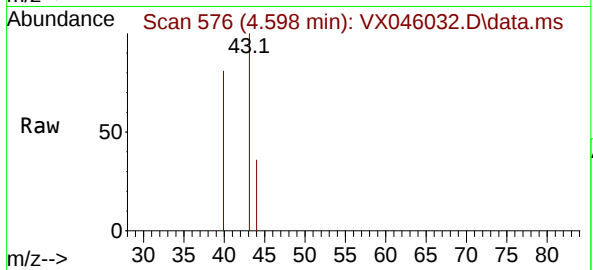




#25
2-Butanone
Concen: 2.318 ug/l
RT: 4.598 min Scan# 51
Delta R.T. 0.042 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

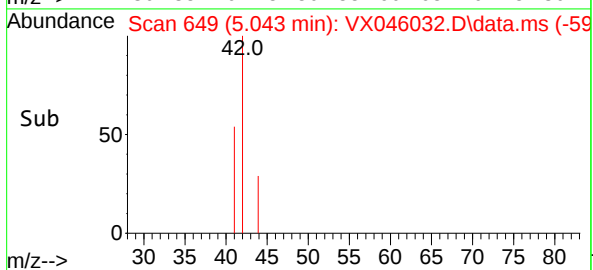
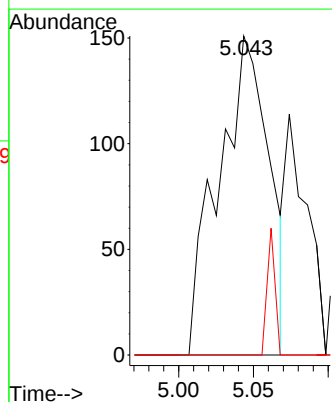
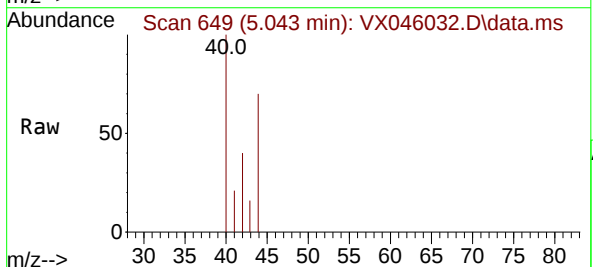
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

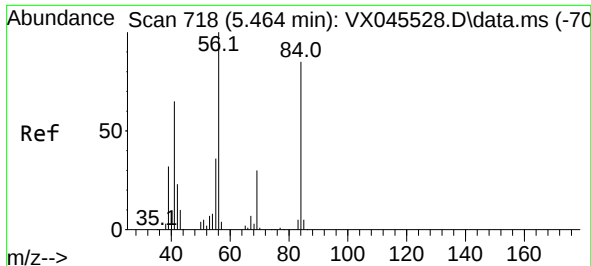
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 0.0 18.6 28.0#



#29
Tetrahydrofuran
Concen: 0.752 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.042 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

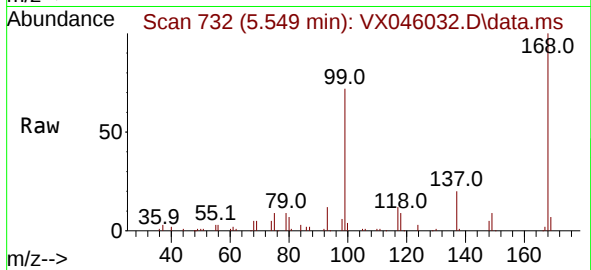
Tgt Ion: 42 Resp: 354
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 6.2 31.4 47.0#



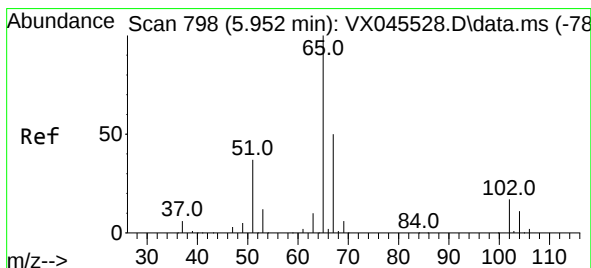
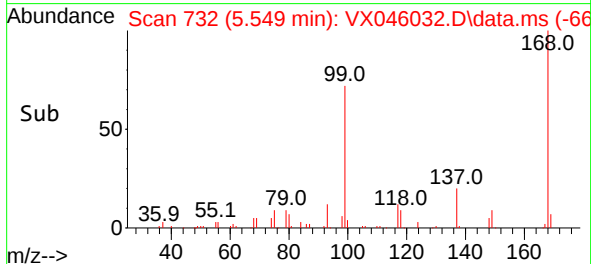
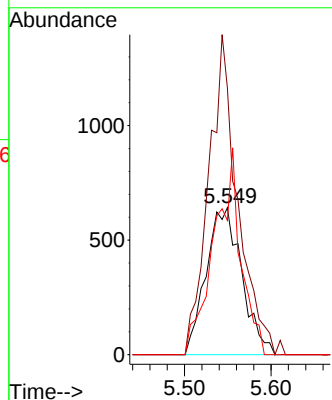


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-6

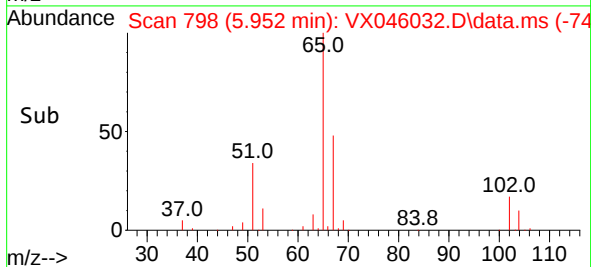
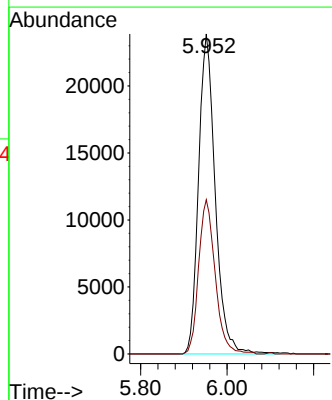
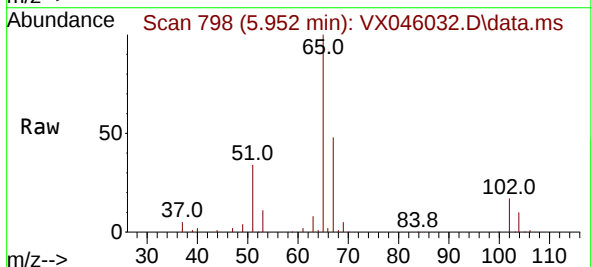


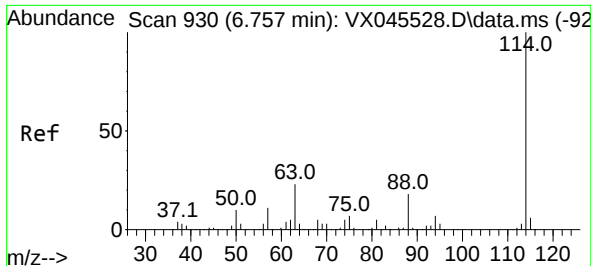
Tgt Ion: 56 Resp: 1839
Ion Ratio Lower Upper
56 100
69 181.3 23.6 35.4#
84 91.3 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.770 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 65 Resp: 63772
Ion Ratio Lower Upper
65 100
67 48.0 0.0 99.0

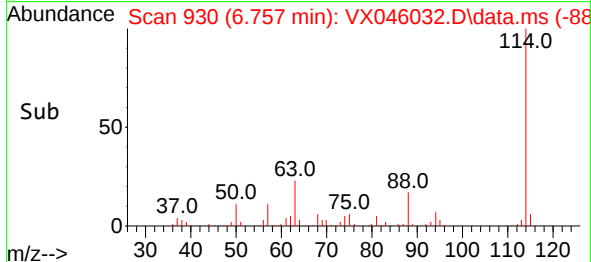
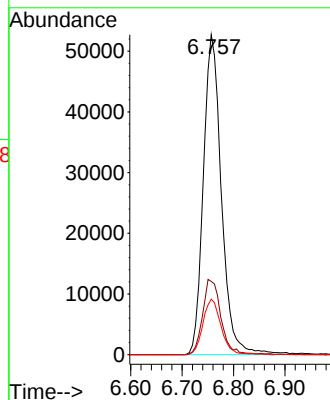
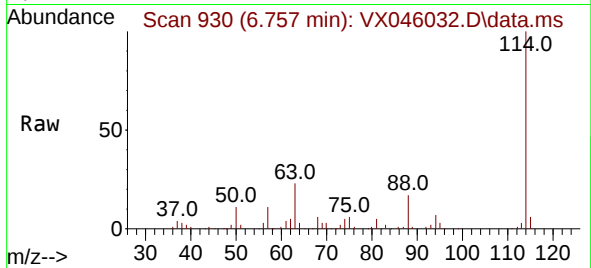




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

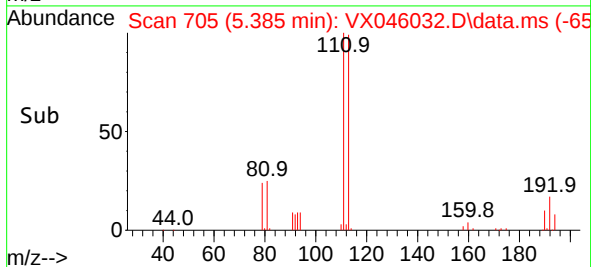
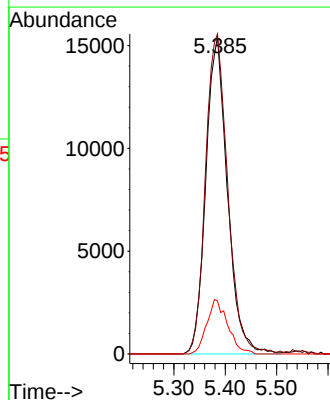
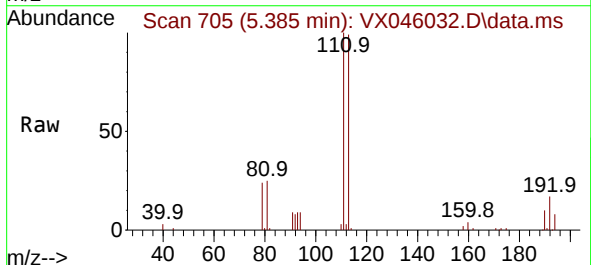
Instrument :
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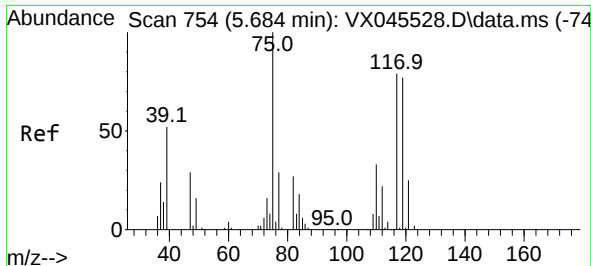
Tgt Ion:114 Resp: 128686
Ion Ratio Lower Upper
114 100
63 22.9 0.0 46.8
88 17.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 49.212 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion:113 Resp: 44932
Ion Ratio Lower Upper
113 100
111 104.0 81.8 122.6
192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046032.D

Acq: 02 May 2025 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-6

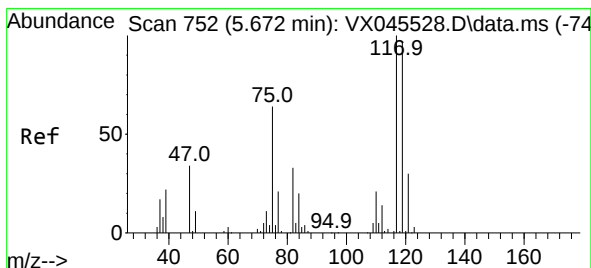
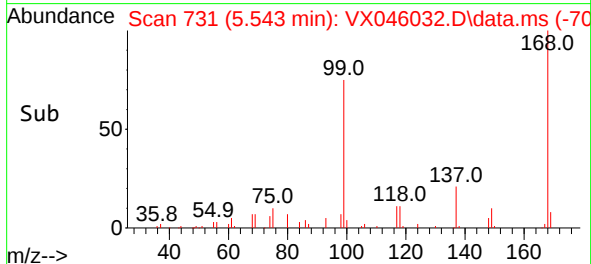
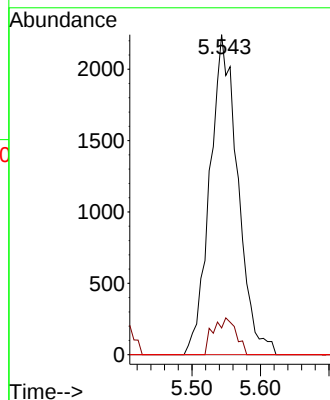
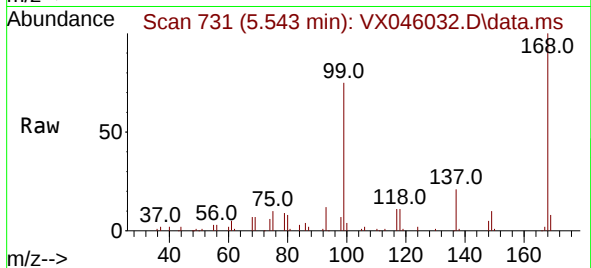
Tgt Ion: 75 Resp: 6359

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.902 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX046032.D

Acq: 02 May 2025 16:58

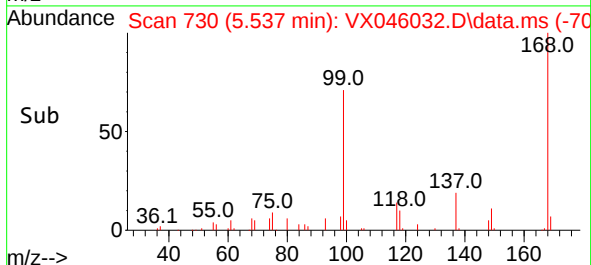
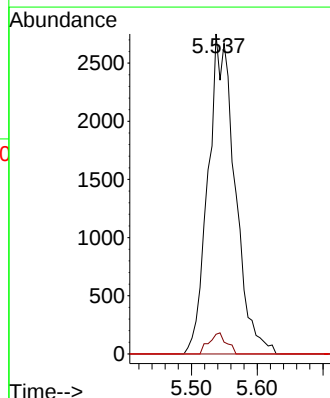
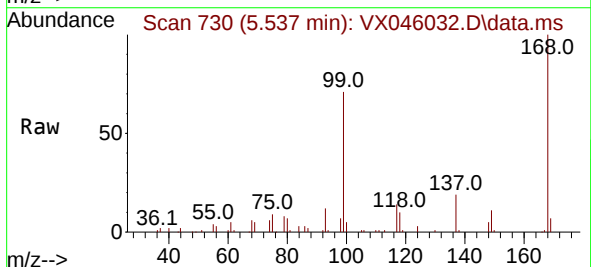
Tgt Ion: 117 Resp: 7864

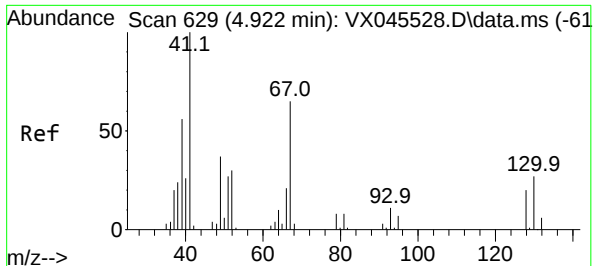
Ion Ratio Lower Upper

117 100

119 6.1 76.9 115.3#

121 0.0 24.2 36.2#

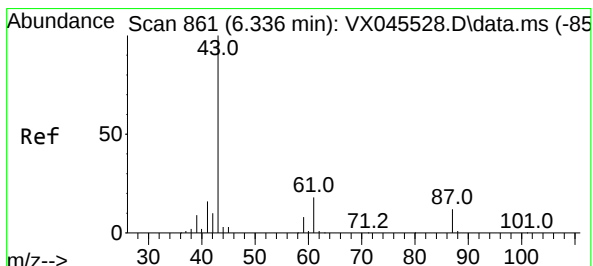
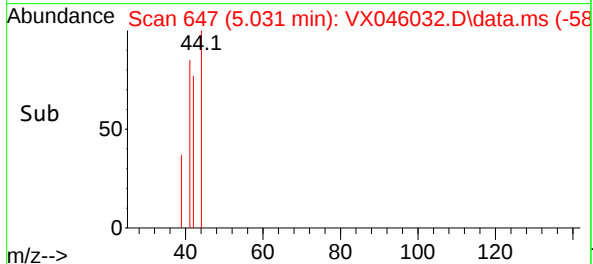
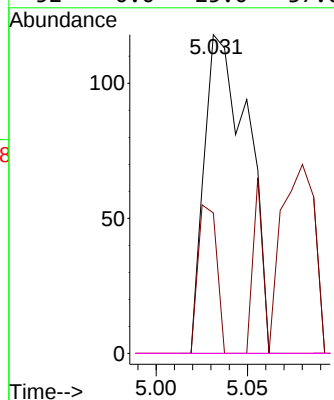
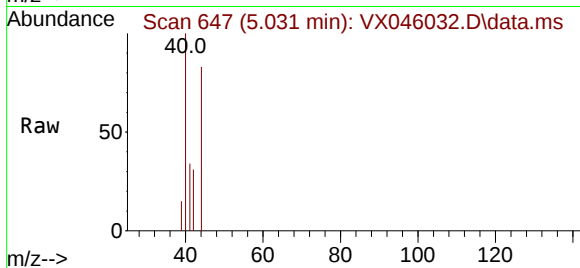




#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.109 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

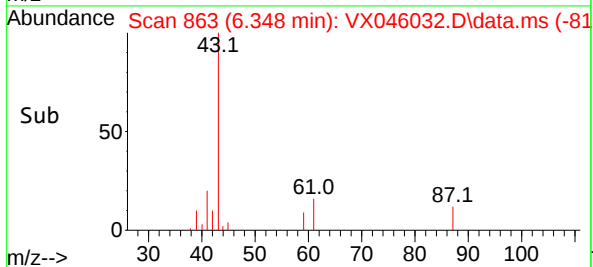
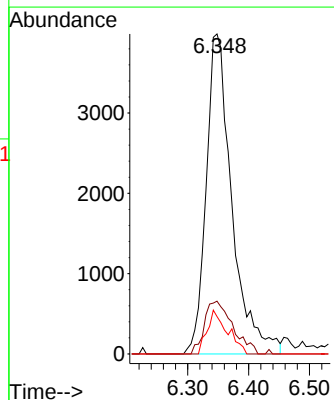
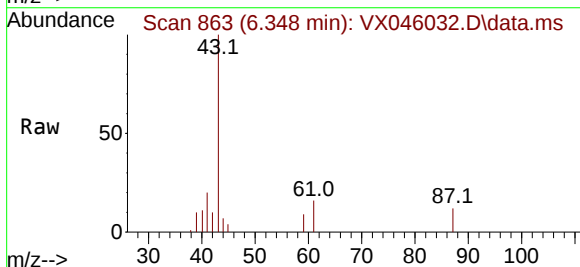
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

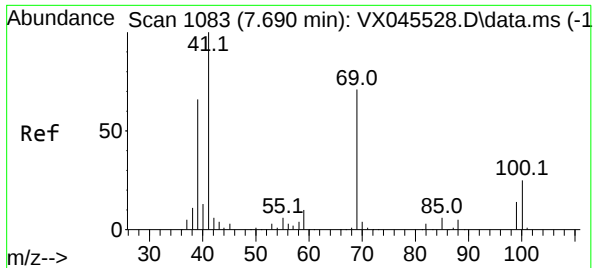
Tgt Ion:	41	Resp:	196
Ion	Ratio	Lower	Upper
41	100		
39	19.9	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 4.969 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion:	43	Resp:	11699
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	10.7	9.2	13.8

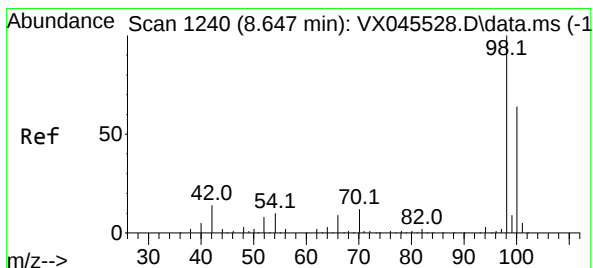
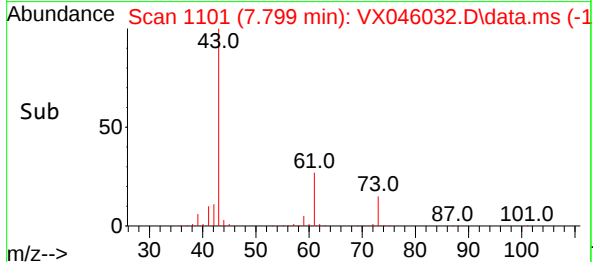
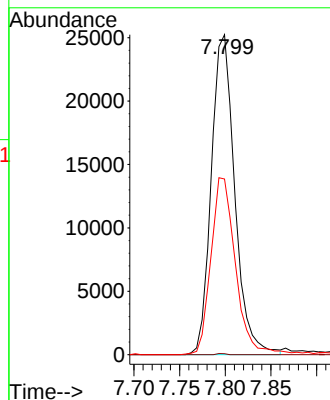
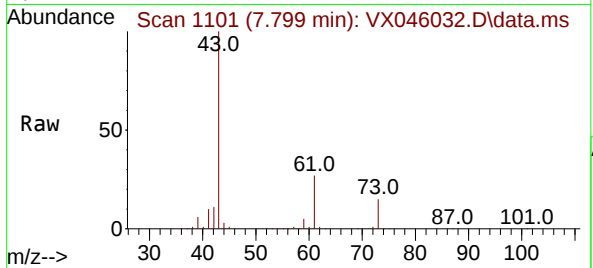




#48
Methyl methacrylate
Concen: 37.125 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

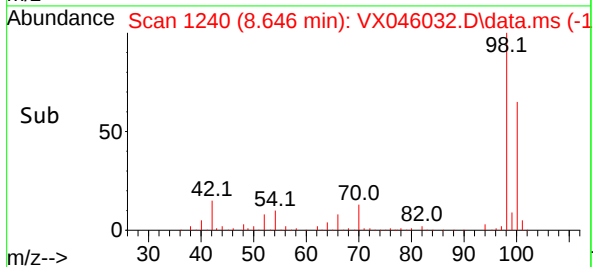
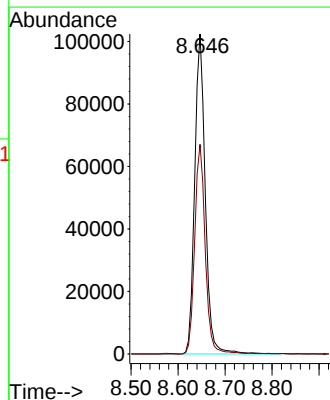
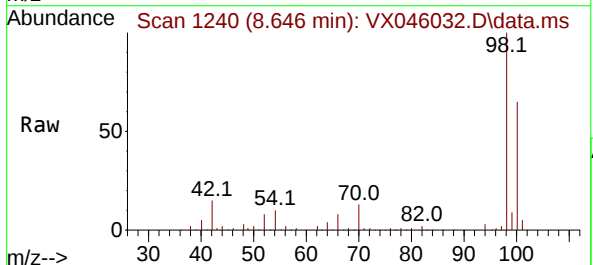
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

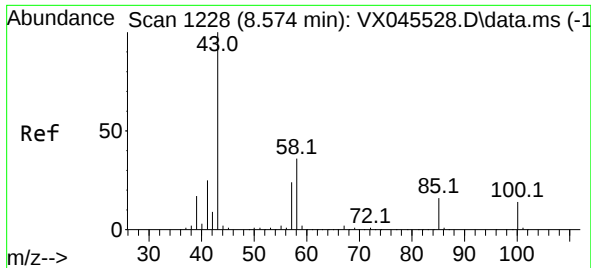
Tgt Ion: 41 Resp: 45134
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.4 53.6 80.4



#50
Toluene-d8
Concen: 50.551 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 98 Resp: 161097
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

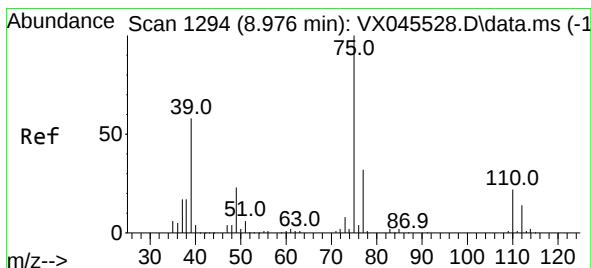
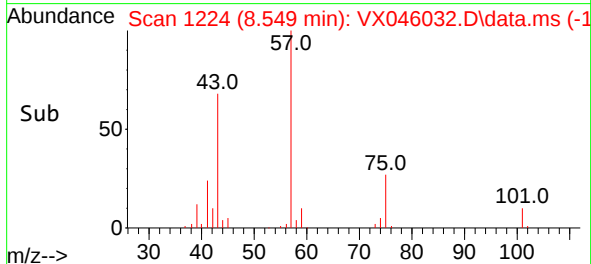
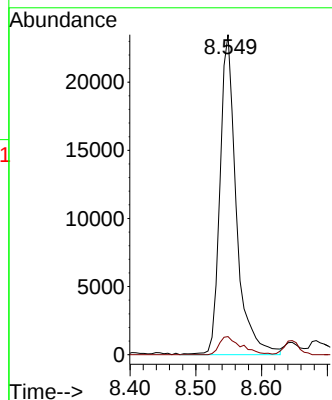
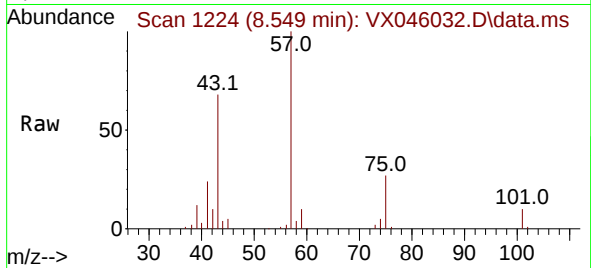




#51
4-Methyl-2-Pentanone
Concen: 26.048 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

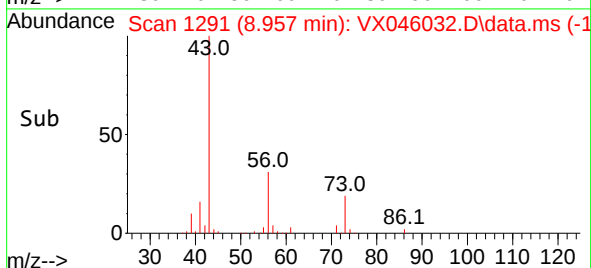
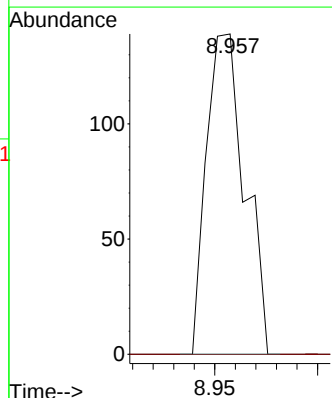
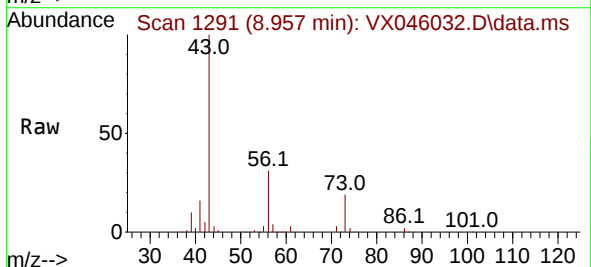
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

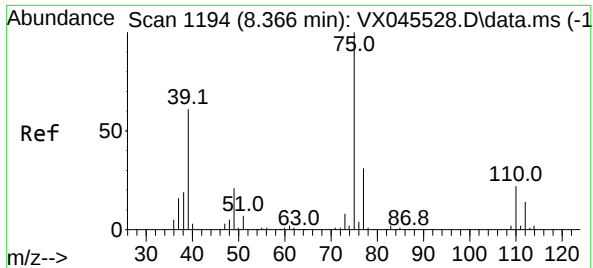
Tgt Ion: 43 Resp: 40659
Ion Ratio Lower Upper
43 100
58 7.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.414 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

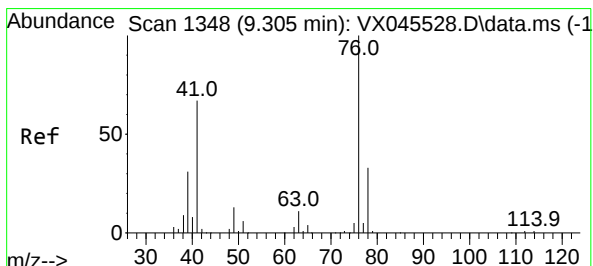
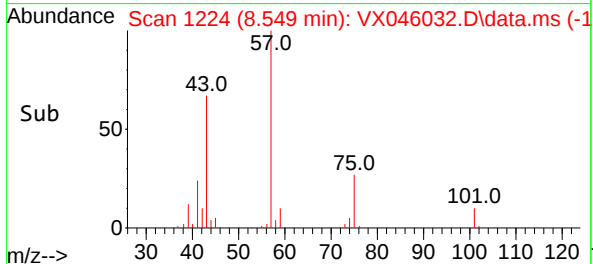
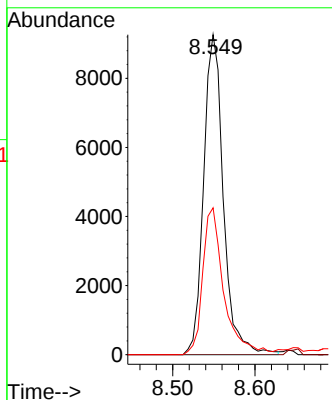
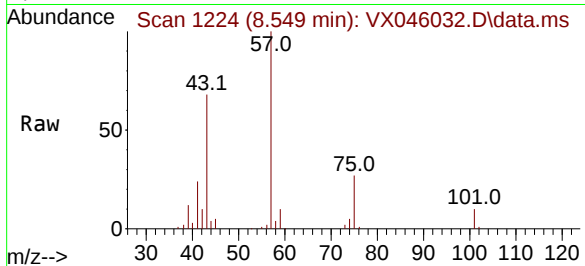




#54
 cis-1,3-Dichloropropene
 Concen: 11.421 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046032.D
 Acq: 02 May 2025 16:58

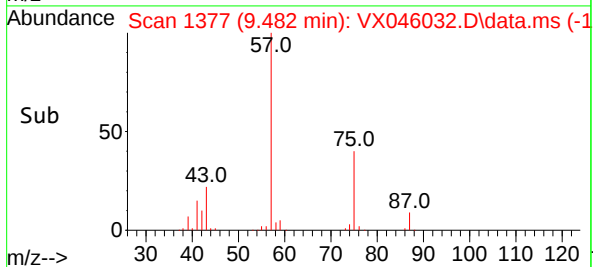
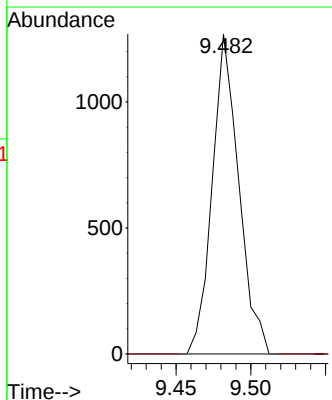
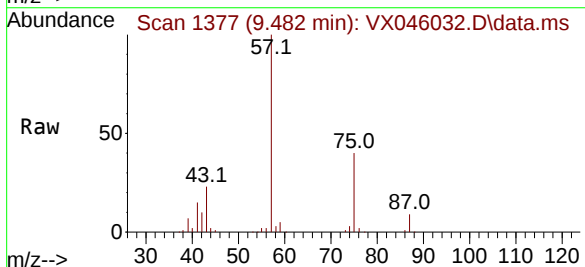
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-6

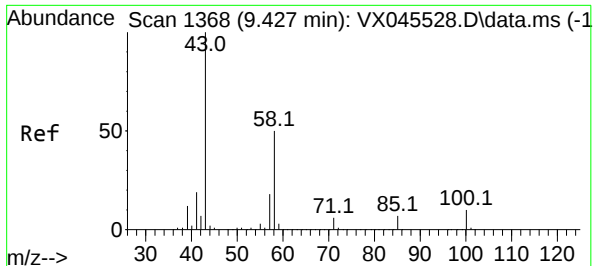
Tgt Ion: 75 Resp: 15456
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.9 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.991 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046032.D
 Acq: 02 May 2025 16:58

Tgt Ion: 76 Resp: 1566
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

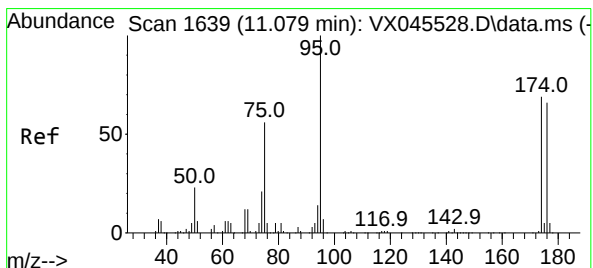
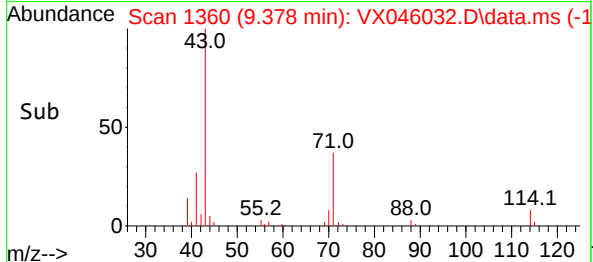
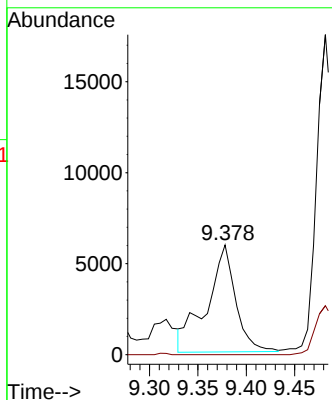
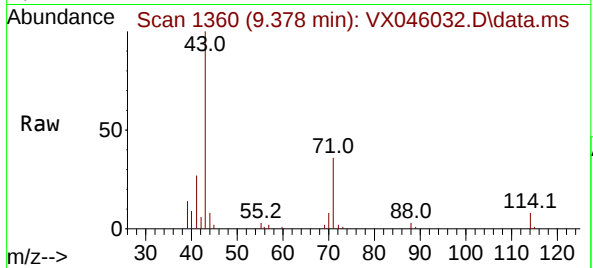




#59
2-Hexanone
Concen: 10.578 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

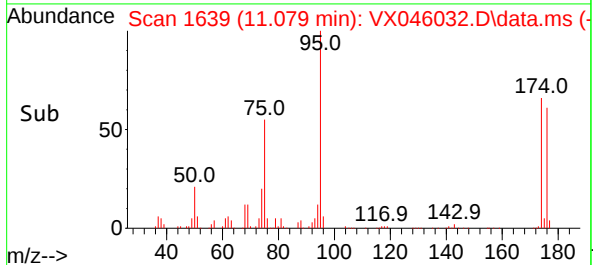
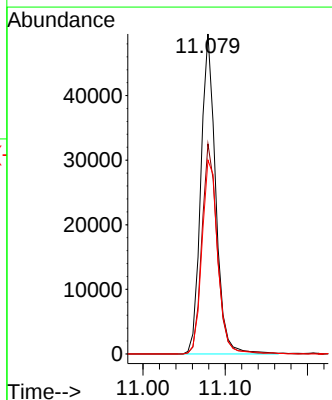
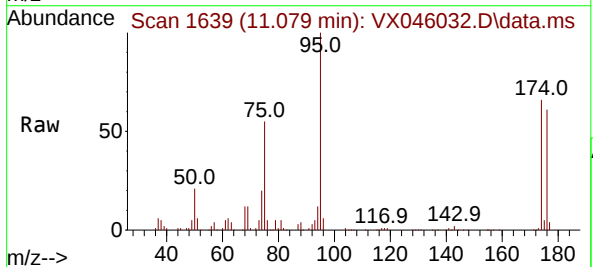
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

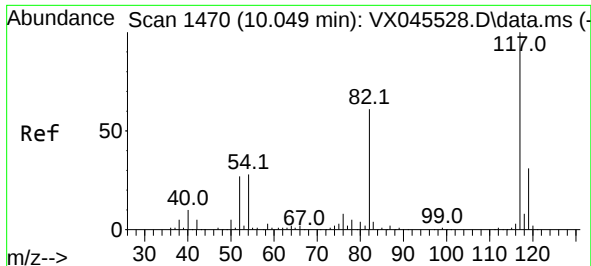
Tgt Ion: 43 Resp: 12227
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 95 Resp: 62099
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.0 0.0 131.4

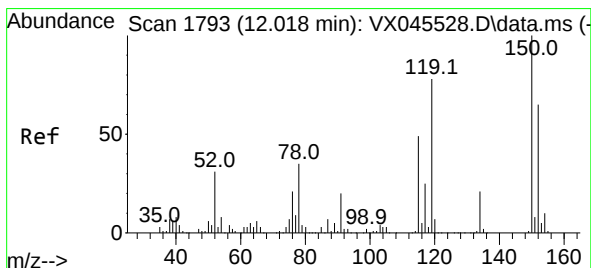
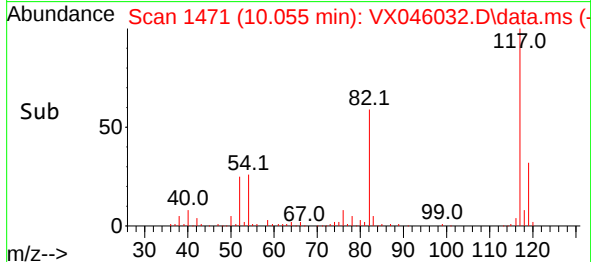
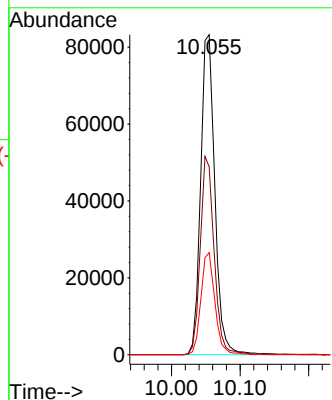
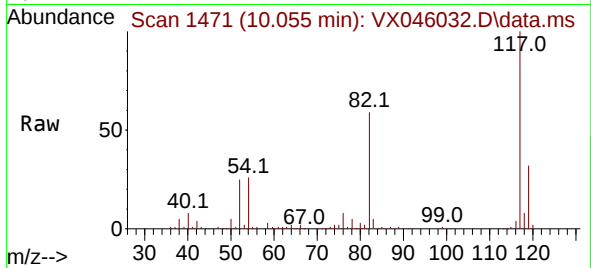




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

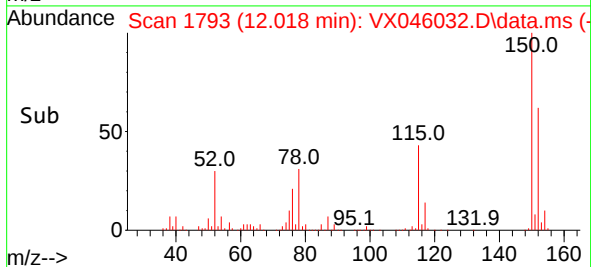
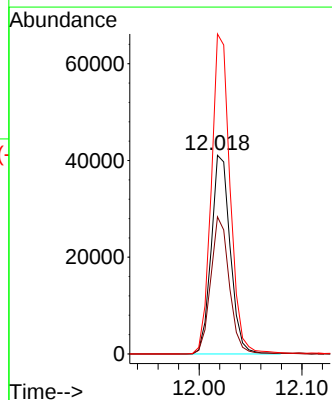
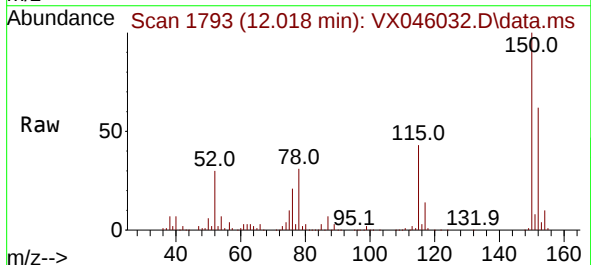
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

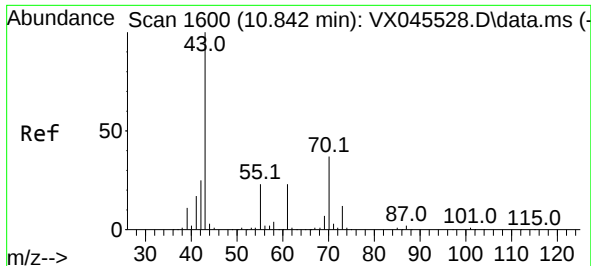
Tgt Ion:117 Resp: 120453
Ion Ratio Lower Upper
117 100
82 58.8 49.2 73.8
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion:152 Resp: 52926
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 159.7 0.0 349.4

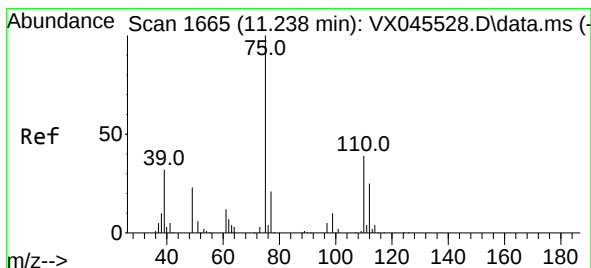
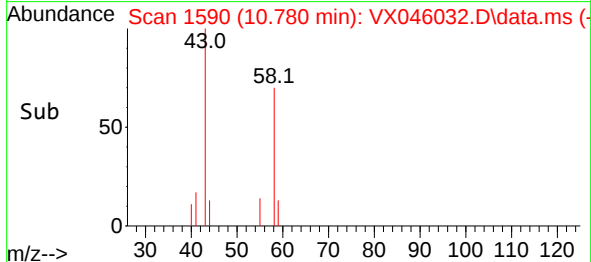
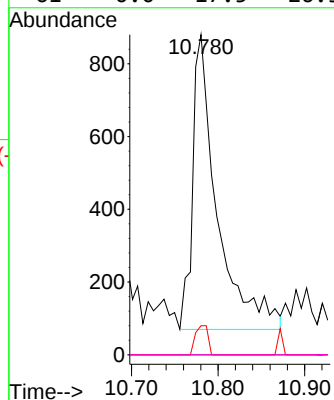
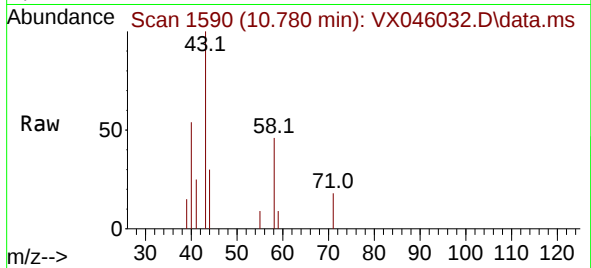




#74
N-amy1 acetate
Concen: 0.783 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

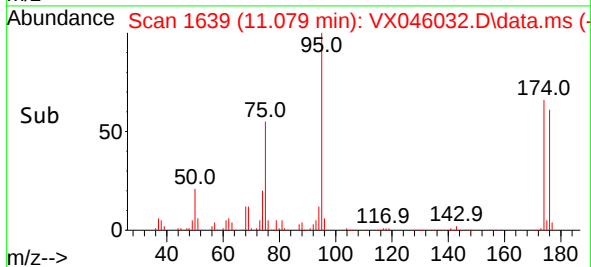
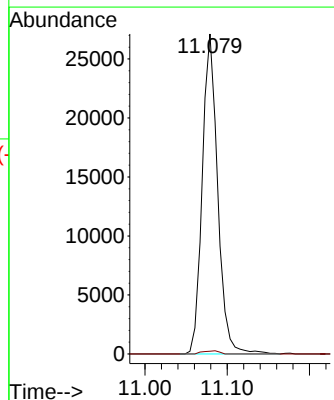
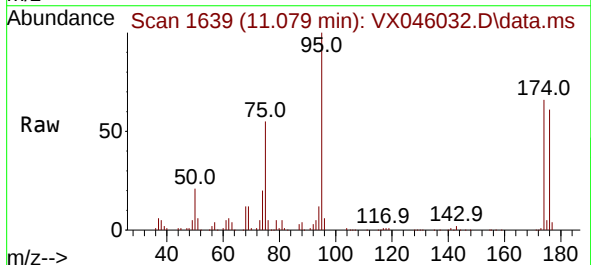
Instrument :
MSVOA_X
ClientSampleId :
COMP-6

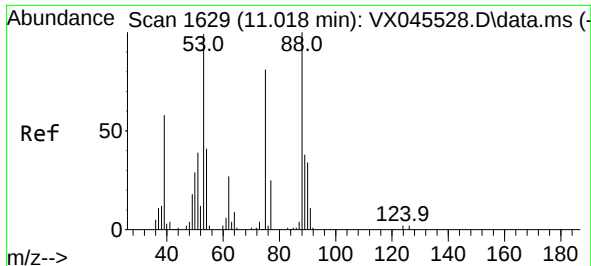
Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 5.1 18.3 27.5#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 27.367 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 75 Resp: 35331
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#

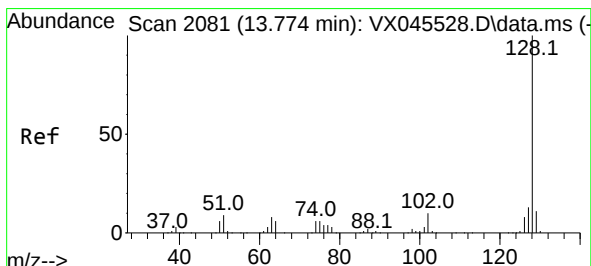
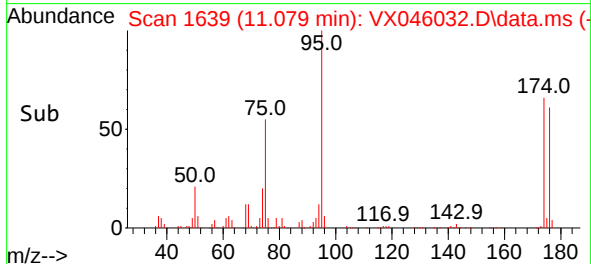
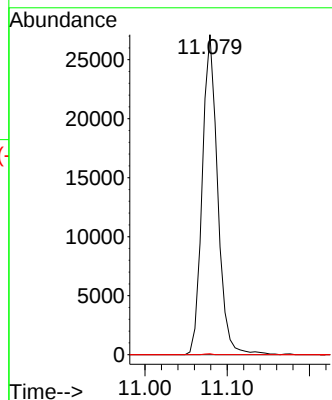
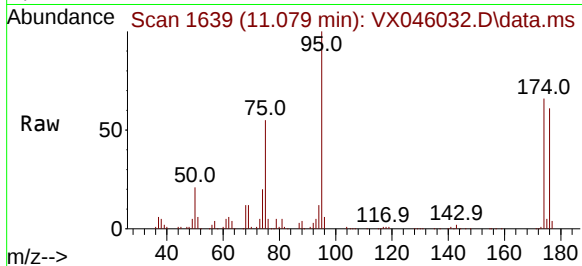




#81
trans-1,4-Dichloro-2-butene
Concen: 92.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-6

Tgt Ion: 75 Resp: 35331
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 2.496 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046032.D
Acq: 02 May 2025 16:58

Tgt Ion: 128 Resp: 9164
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 10.7 8.6 12.8

