

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046031.D
 Acq On : 02 May 2025 16:35
 Operator : JC/MD
 Sample : Q1932-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

Quant Time: May 02 23:19:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

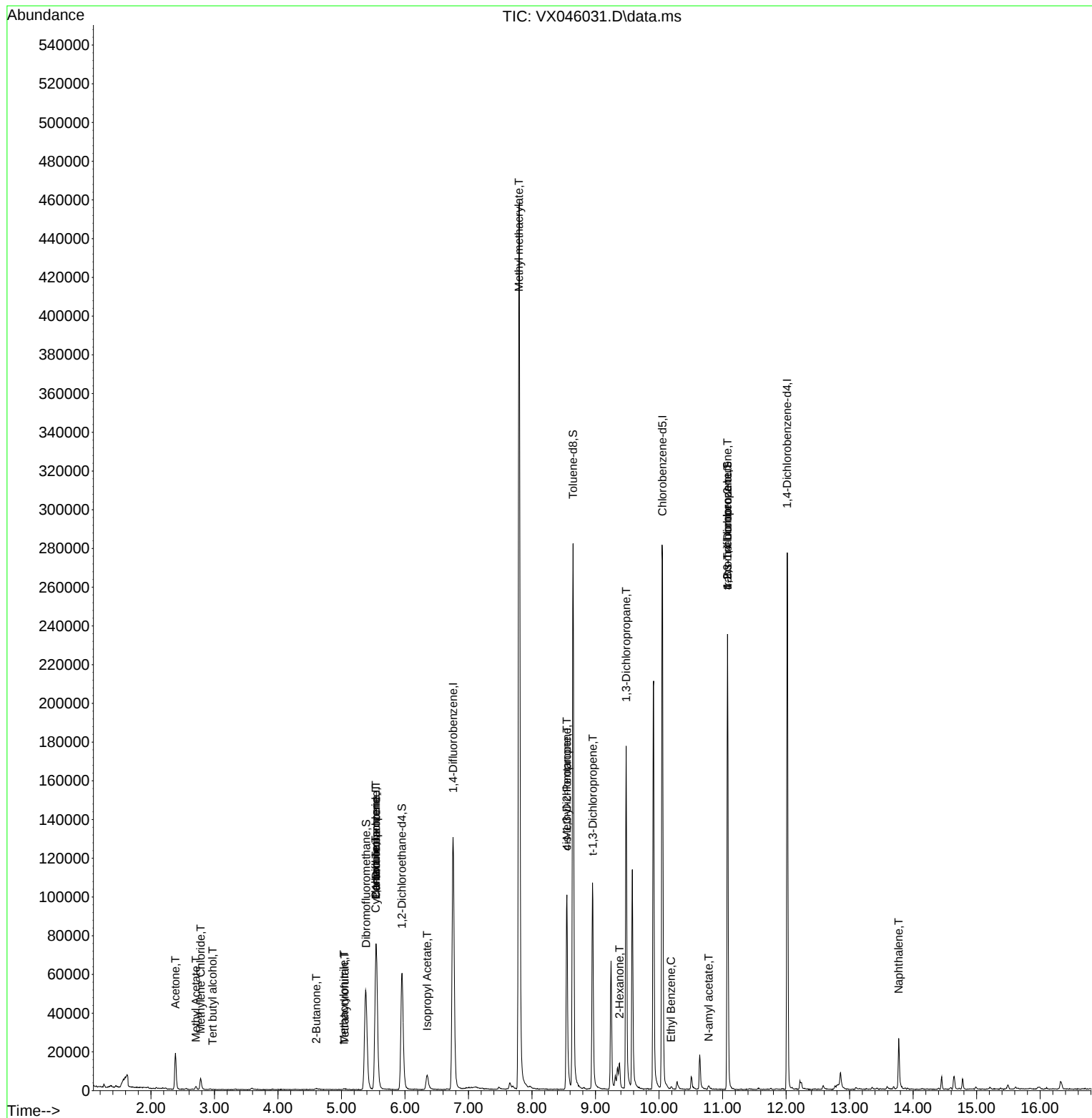
Internal Standards						
1) Pentafluorobenzene	5.544	168	64867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62242	52.470	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.940%	
35) Dibromofluoromethane	5.385	113	44813	49.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.600%	
50) Toluene-d8	8.647	98	159548	50.797	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	11.079	95	61483	53.740	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	131	0.822	ug/l #	72
16) Acetone	2.386	43	20740	42.578	ug/l	93
18) Methyl Acetate	2.709	43	1897	1.691	ug/l	95
20) Methylene Chloride	2.782	84	2691	2.951	ug/l	89
25) 2-Butanone	4.605	43	1635	2.293	ug/l #	86
29) Tetrahydrofuran	5.050	42	344	0.744	ug/l #	59
31) Cyclohexane	5.538	56	1828	1.256	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	6387	5.257	ug/l #	48
38) Carbon Tetrachloride	5.544	117	7734	5.890	ug/l #	18
41) Methacrylonitrile	5.038	41	191	0.236	ug/l #	41
43) Isopropyl Acetate	6.348	43	11274	4.858	ug/l	99
48) Methyl methacrylate	7.793	41	45677	38.121	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	39544	25.704	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	166	2.405	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15136	11.348	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1446	0.928	ug/l #	42
59) 2-Hexanone	9.378	43	13136	11.530	ug/l #	28
67) Ethyl Benzene	10.189	91	917	0.203	ug/l	89
74) N-amyl acetate	10.781	43	1636	0.827	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	35096	27.874	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35096	94.602	ug/l #	1
95) Naphthalene	13.774	128	18512	5.169	ug/l	98

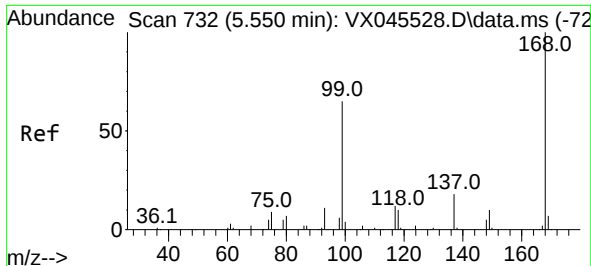
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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COMP-5

Quant Time: May 02 23:19:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

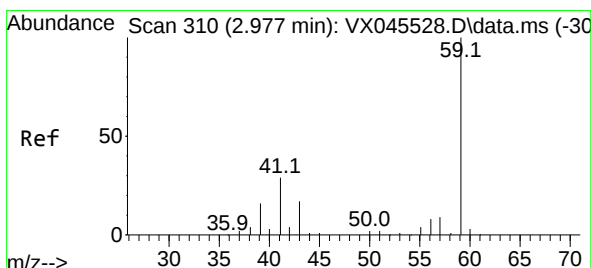
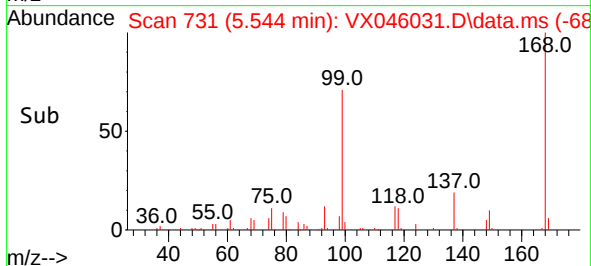
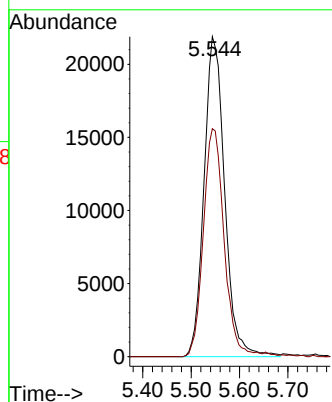
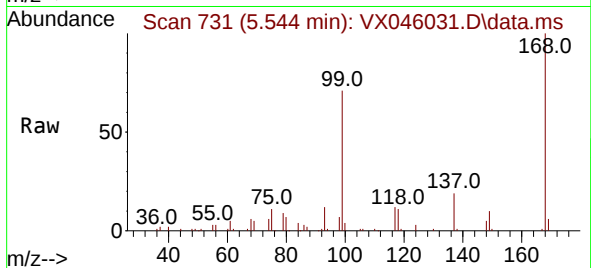




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

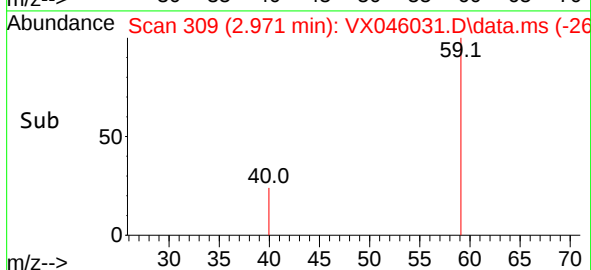
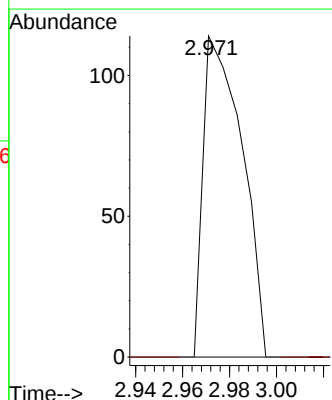
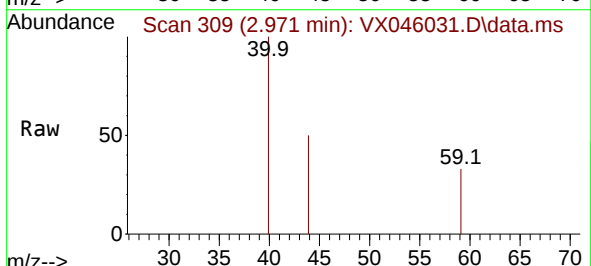
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

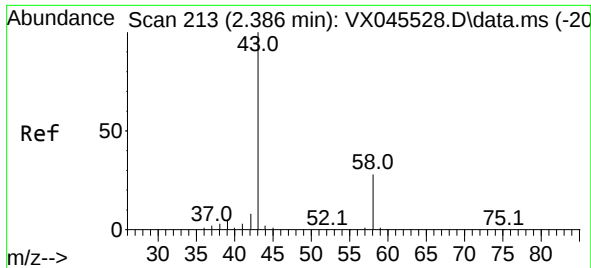
Tgt Ion:168 Resp: 64867
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.822 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

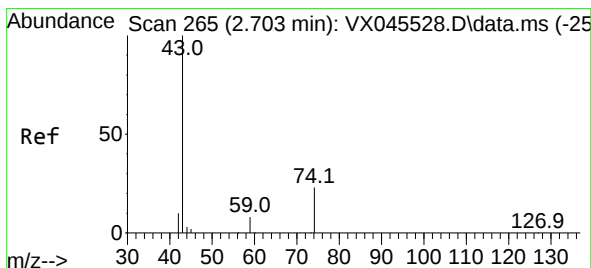
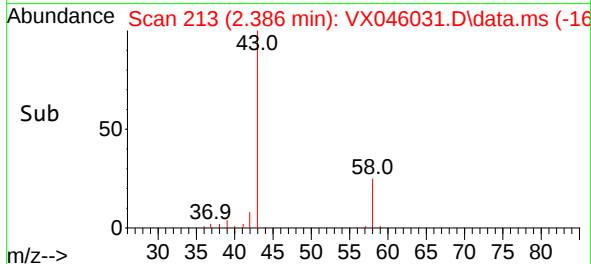
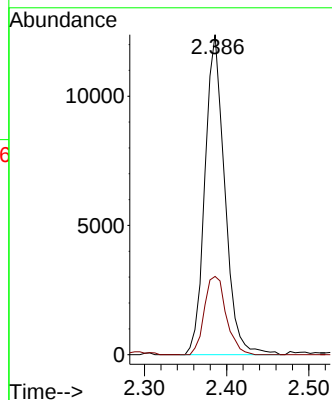
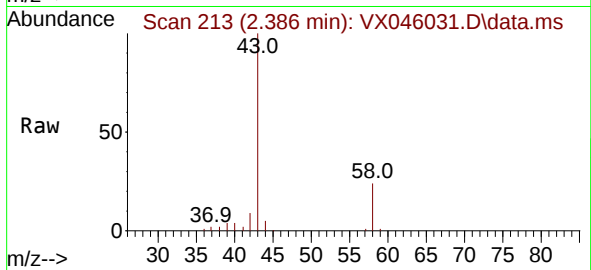




#16
Acetone
Concen: 42.578 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

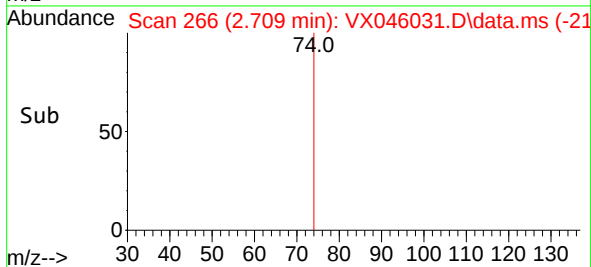
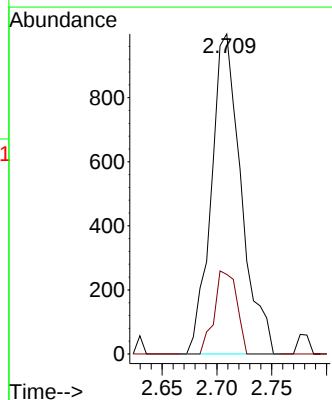
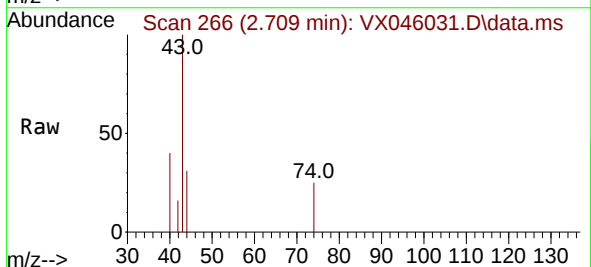
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

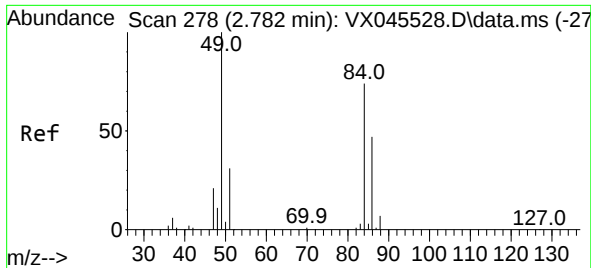
Tgt Ion: 43 Resp: 20740
Ion Ratio Lower Upper
43 100
58 24.5 22.3 33.5



#18
Methyl Acetate
Concen: 1.691 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
74 19.5 17.5 26.3

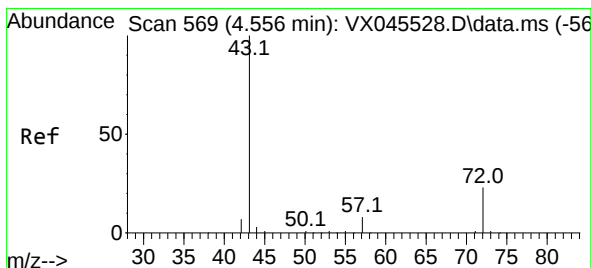
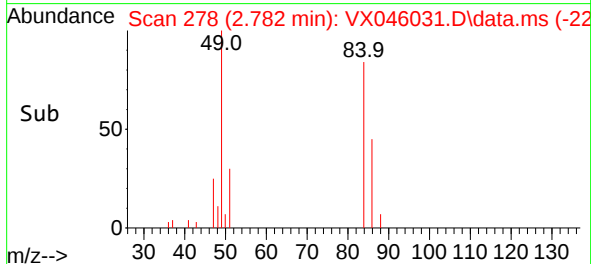
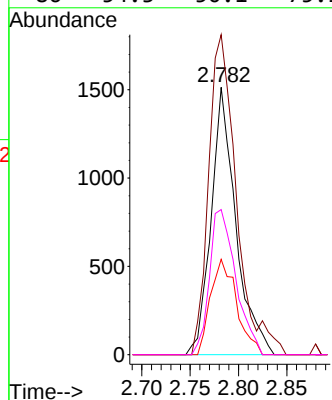
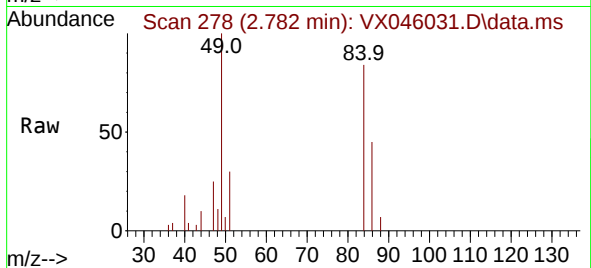




#20
Methylene Chloride
Concen: 2.951 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

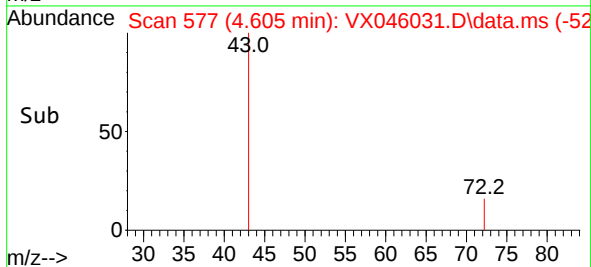
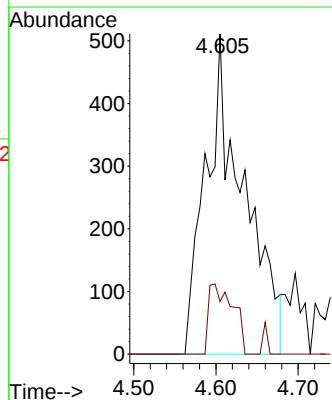
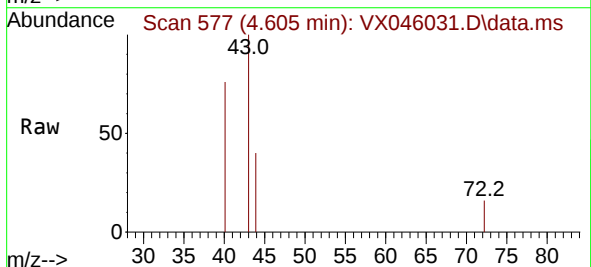
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

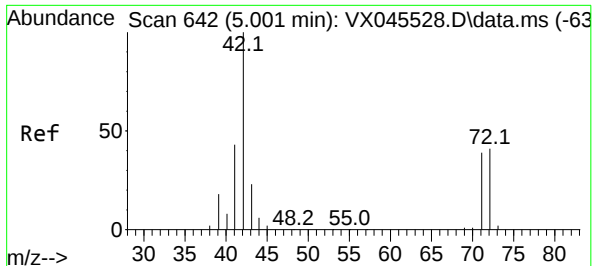
Tgt Ion: 84	Resp: 2691
Ion Ratio	Lower Upper
84 100	
49 119.7	107.5 161.3
51 35.7	33.0 49.6
86 54.3	50.1 75.1



#25
2-Butanone
Concen: 2.293 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 43	Resp: 1635		
Ion Ratio	Lower	Upper	
43 100			
72 16.4	18.6	28.0#	





#29

Tetrahydrofuran

Concen: 0.744 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX046031.D

Acq: 02 May 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

COMP-5

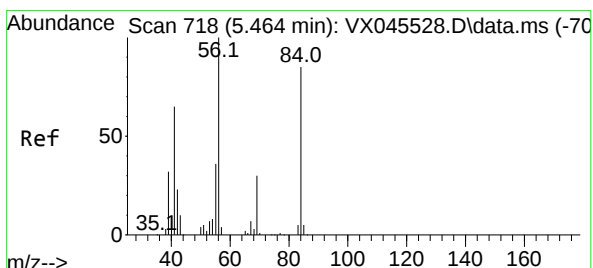
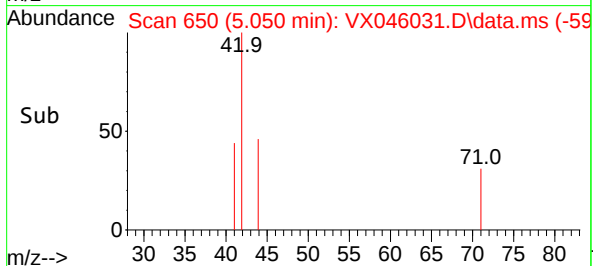
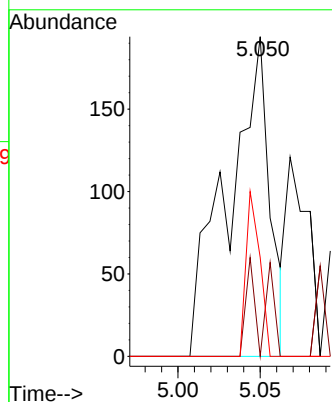
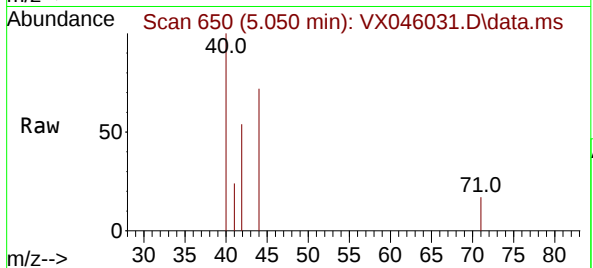
Tgt Ion: 42 Resp: 344

Ion Ratio Lower Upper

42 100

72 12.5 33.4 50.0#

71 17.2 31.4 47.0#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046031.D

Acq: 02 May 2025 16:35

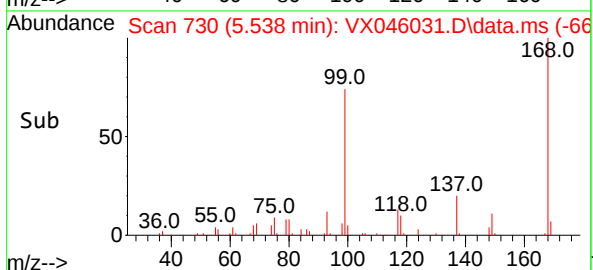
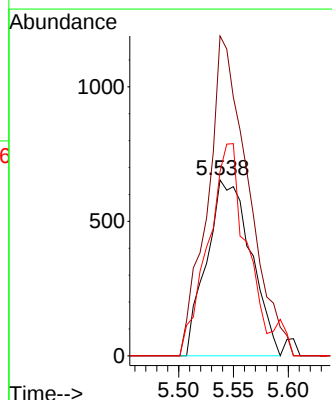
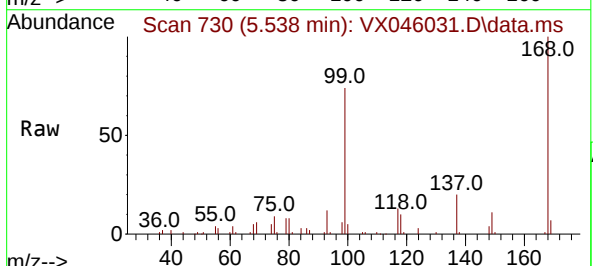
Tgt Ion: 56 Resp: 1828

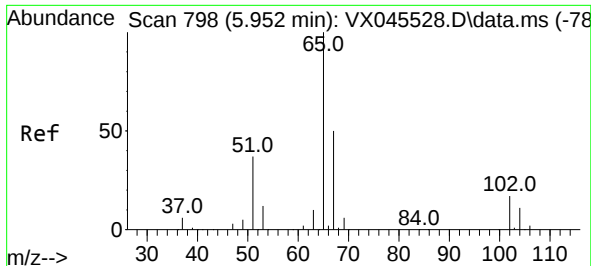
Ion Ratio Lower Upper

56 100

69 181.8 23.6 35.4#

84 104.7 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 52.470 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046031.D

Acq: 02 May 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

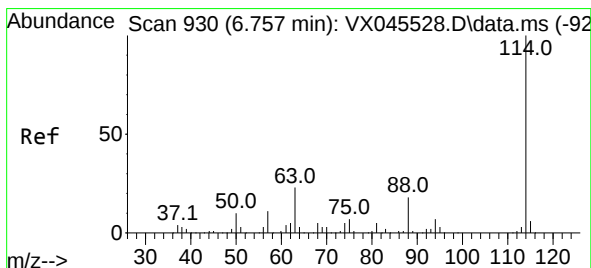
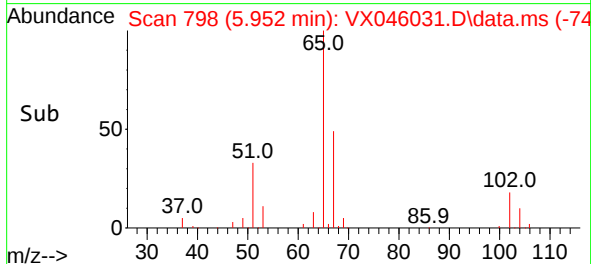
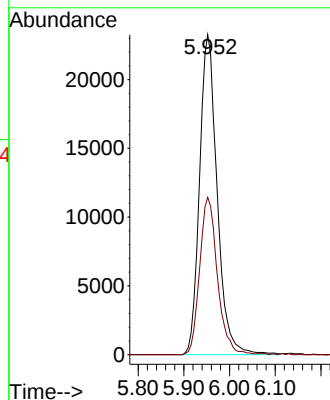
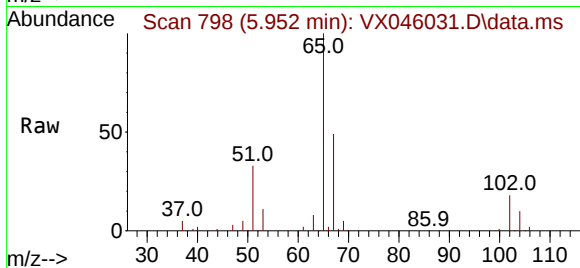
COMP-5

Tgt Ion: 65 Resp: 62242

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: VX046031.D

Acq: 02 May 2025 16:35

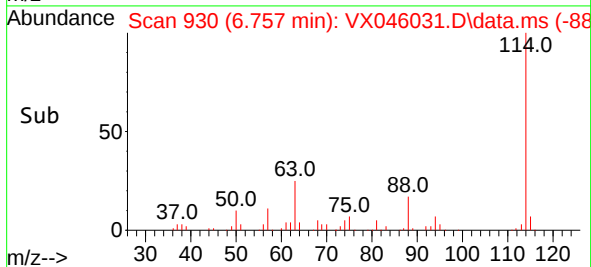
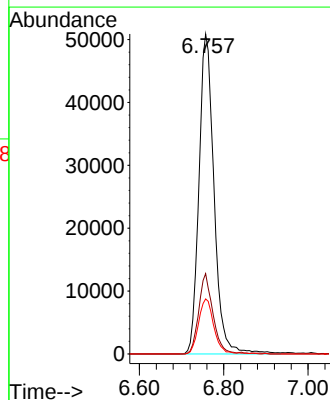
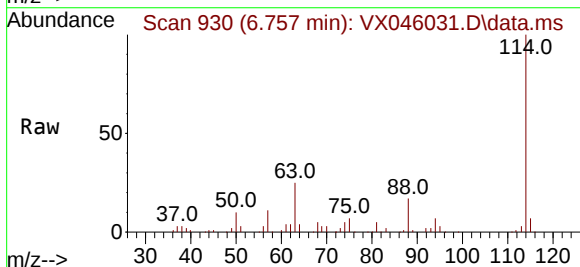
Tgt Ion: 114 Resp: 126832

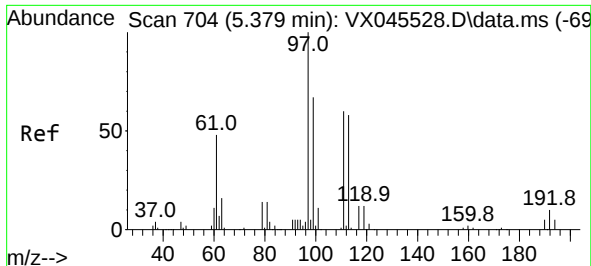
Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.8

88 17.2 0.0 35.4

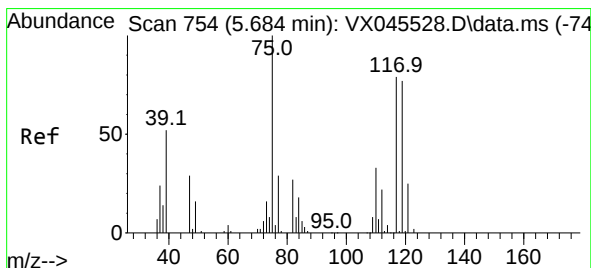
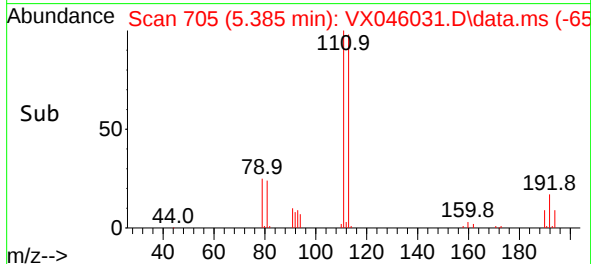
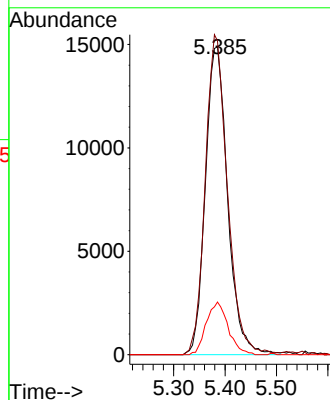
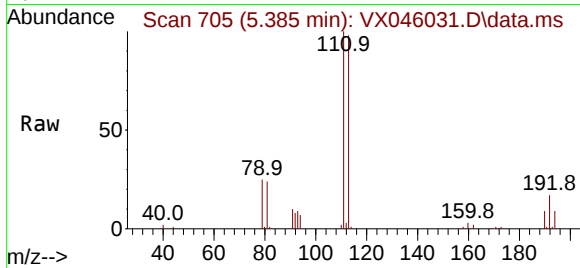




#35
Dibromofluoromethane
Concen: 49.799 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

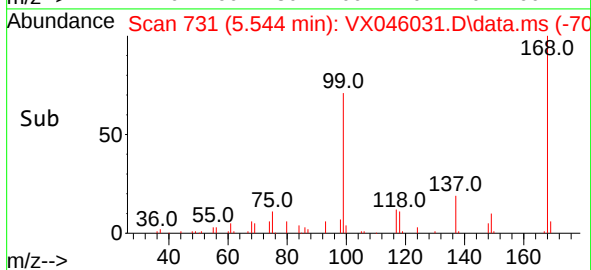
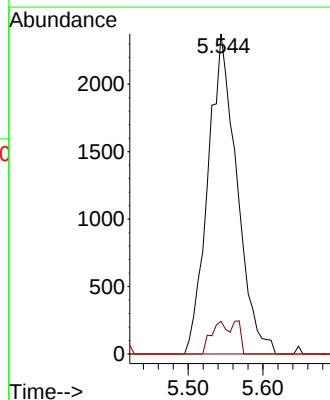
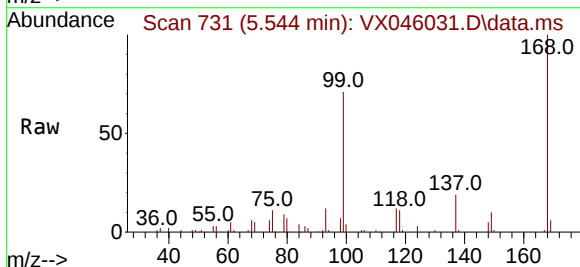
Instrument :
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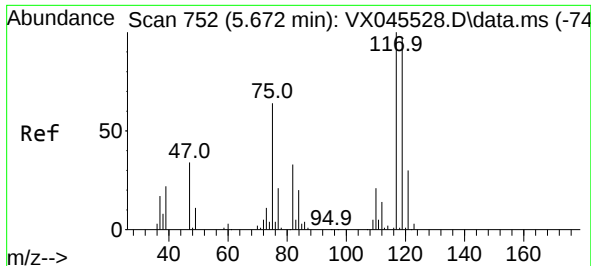
Tgt Ion:113 Resp: 44813
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 16.8 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

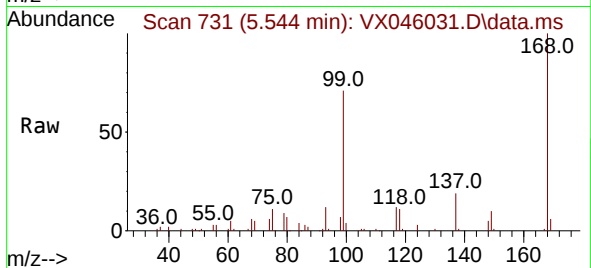
Tgt Ion: 75 Resp: 6387
Ion Ratio Lower Upper
75 100
110 6.2 16.9 50.6#
77 0.0 25.0 37.4#



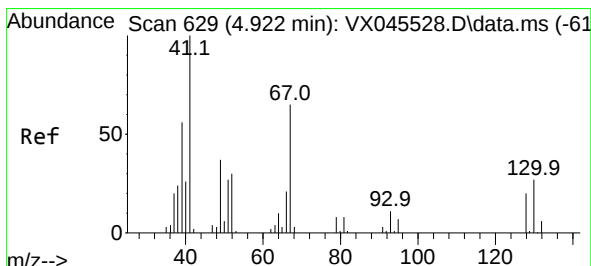
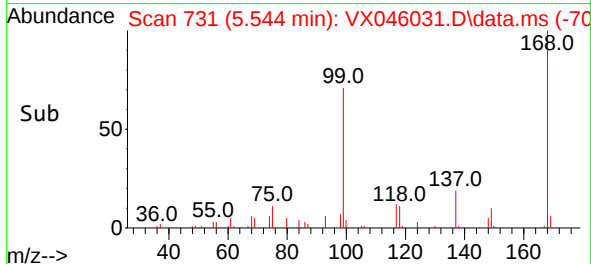
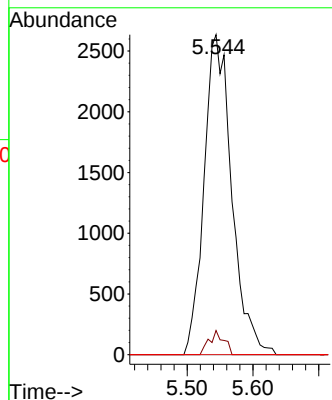


#38
Carbon Tetrachloride
Concen: 5.890 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
COMP-5

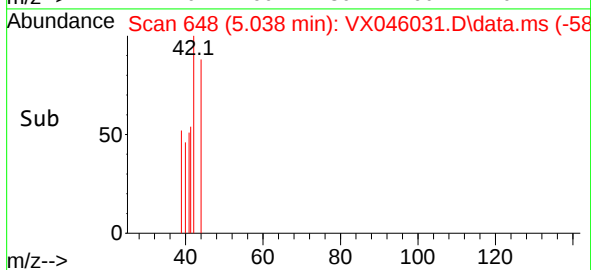
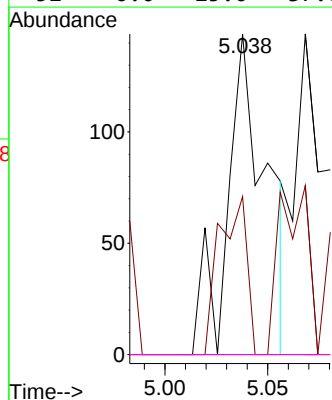
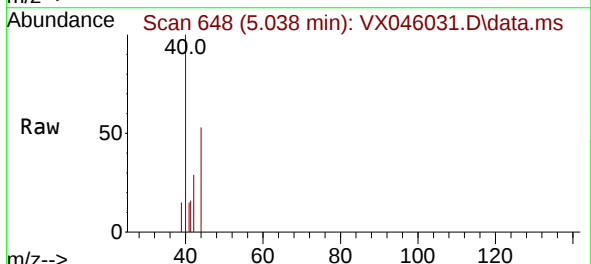


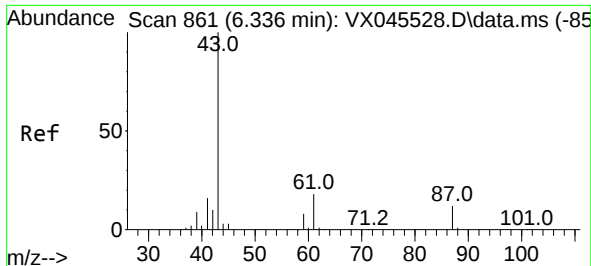
Tgt Ion:117 Resp: 7734
Ion Ratio Lower Upper
117 100
119 7.6 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 41 Resp: 191
Ion Ratio Lower Upper
41 100
39 35.1 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

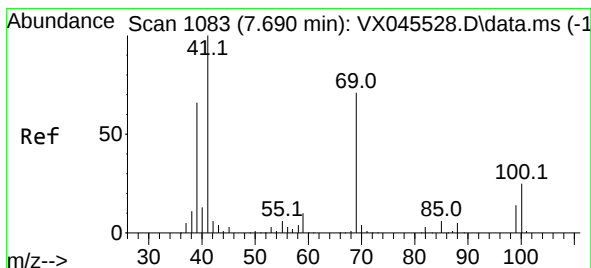
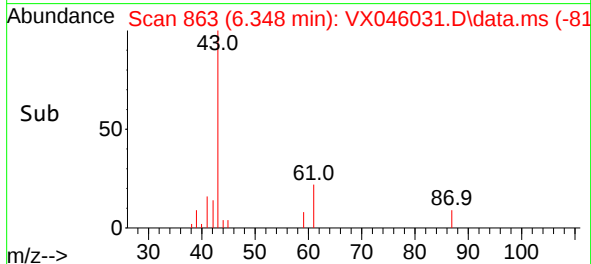
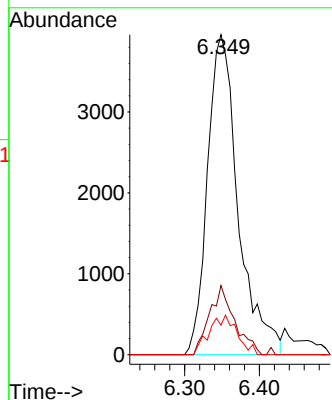
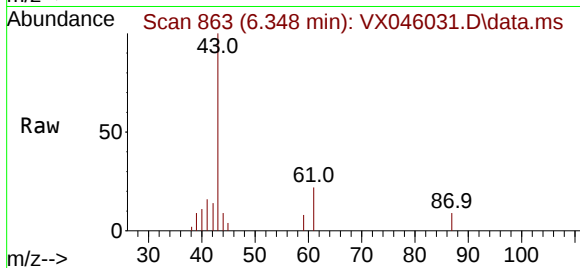




#43
Isopropyl Acetate
Concen: 4.858 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

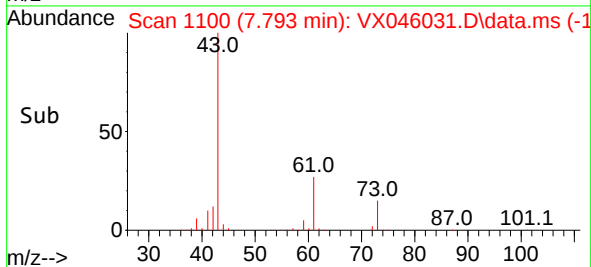
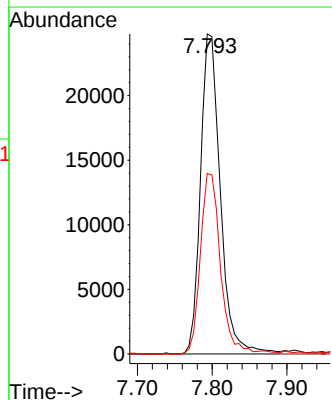
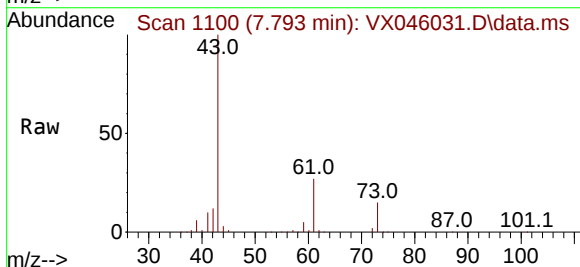
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

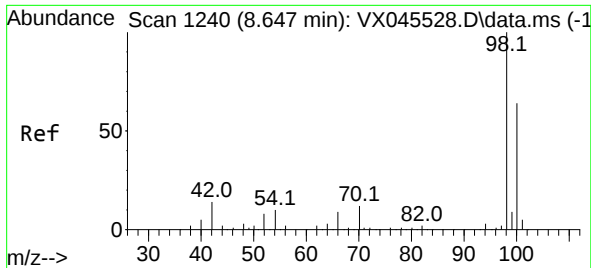
Tgt Ion: 43 Resp: 11274
Ion Ratio Lower Upper
43 100
61 17.7 14.1 21.1
87 11.1 9.2 13.8



#48
Methyl methacrylate
Concen: 38.121 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 41 Resp: 45677
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 56.7 53.6 80.4

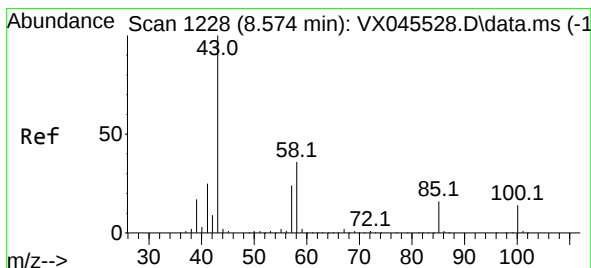
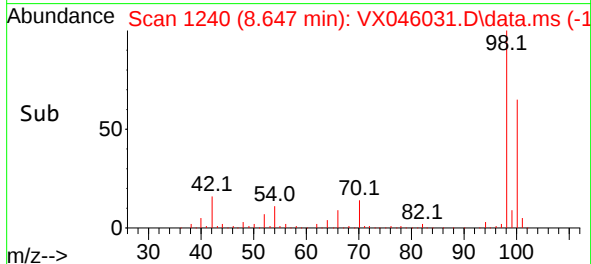
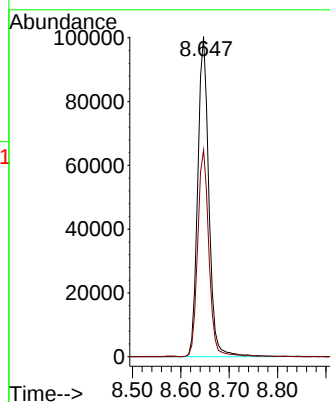
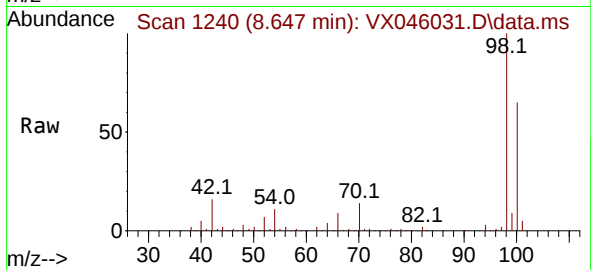




#50
Toluene-d8
Concen: 50.797 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

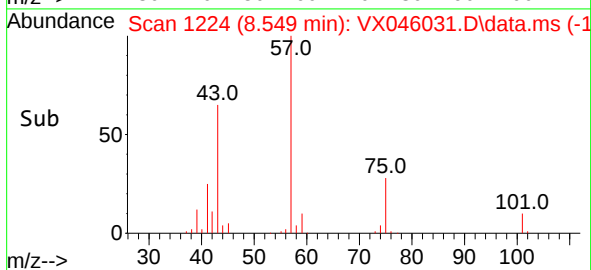
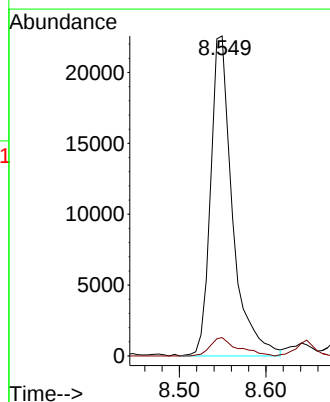
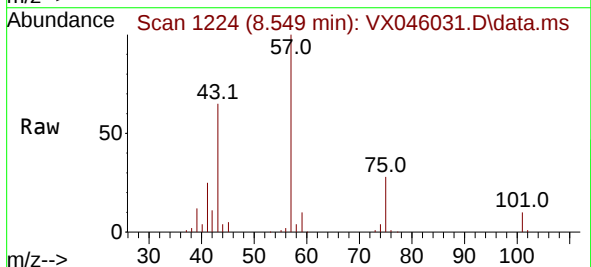
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

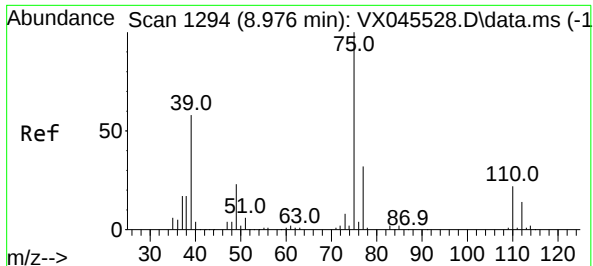
Tgt Ion: 98 Resp: 159548
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.704 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 43 Resp: 39544
Ion Ratio Lower Upper
43 100
58 7.2 28.5 42.7#

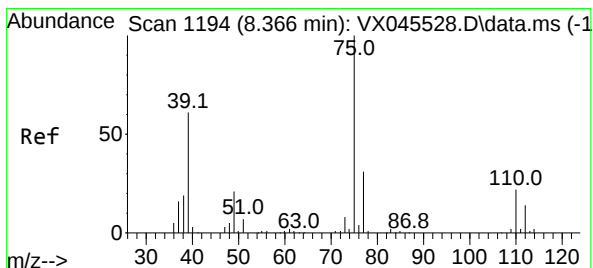
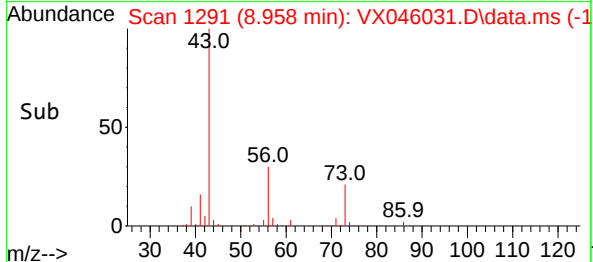
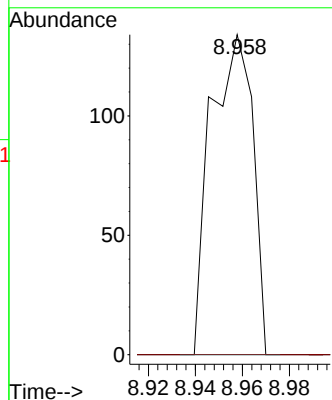
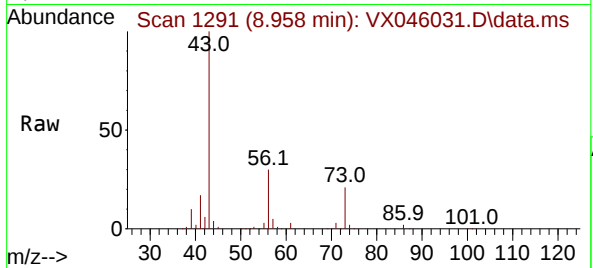




#53
 t-1,3-Dichloropropene
 Concen: 2.405 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX046031.D
 Acq: 02 May 2025 16:35

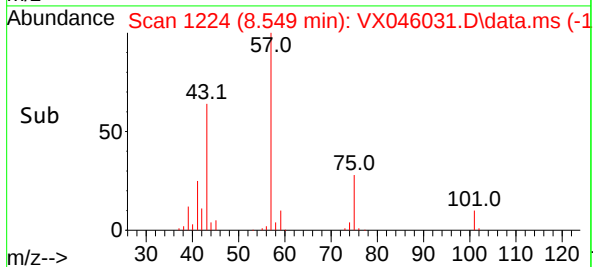
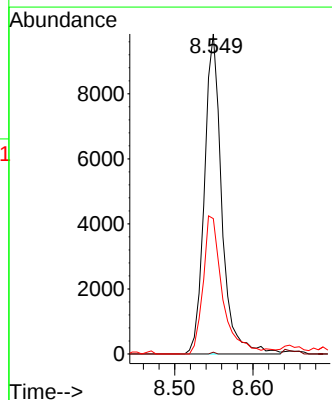
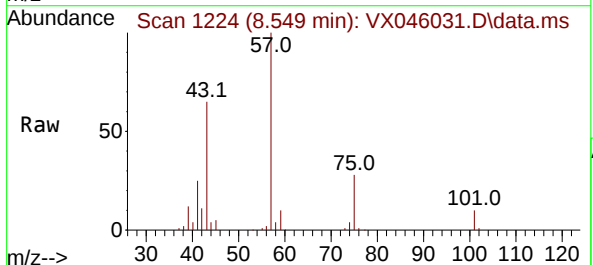
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-5

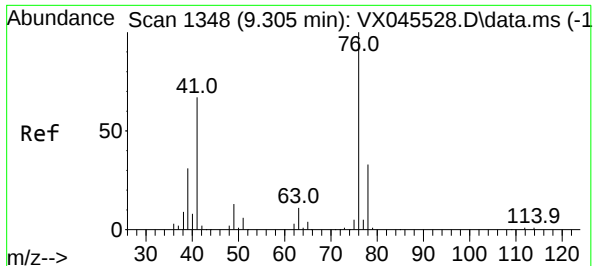
Tgt Ion: 75 Resp: 166
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.348 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX046031.D
 Acq: 02 May 2025 16:35

Tgt Ion: 75 Resp: 15136
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 36.8#
 39 42.3 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.928 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046031.D

Acq: 02 May 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

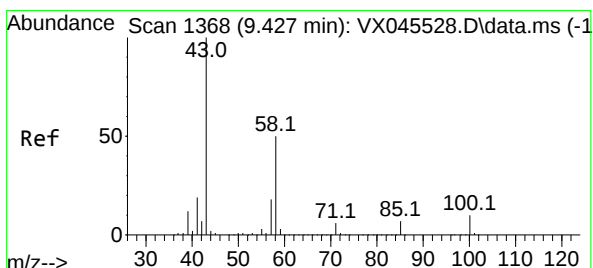
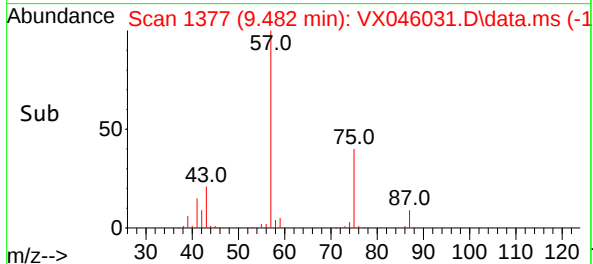
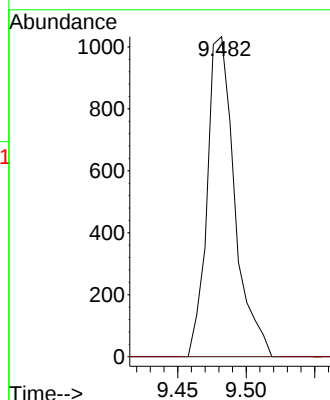
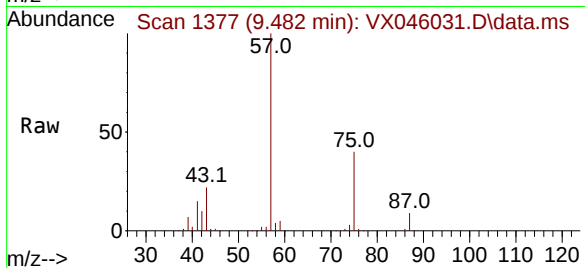
COMP-5

Tgt Ion: 76 Resp: 1446

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 11.530 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046031.D

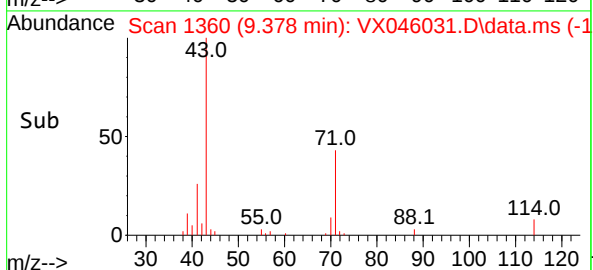
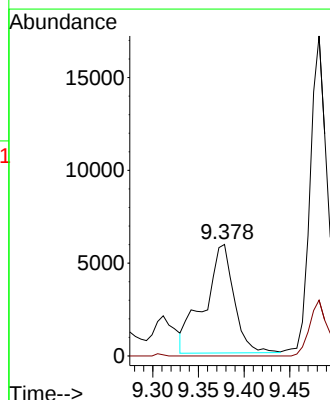
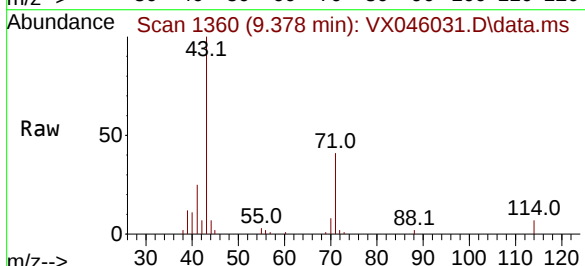
Acq: 02 May 2025 16:35

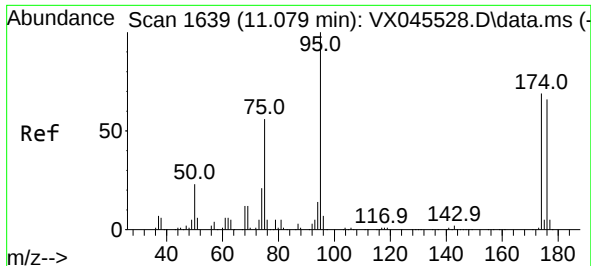
Tgt Ion: 43 Resp: 13136

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

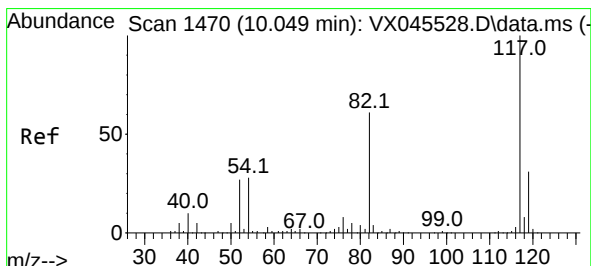
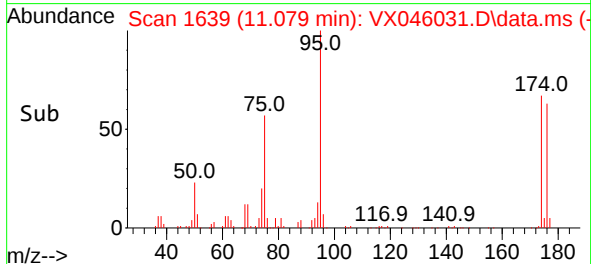
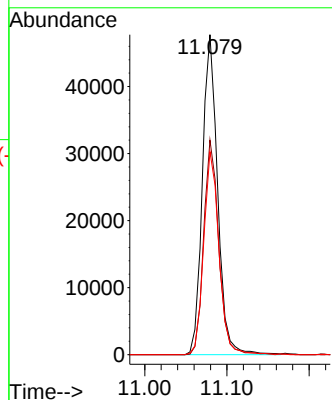
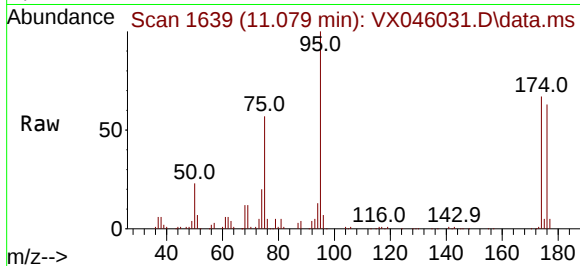




#62
4-Bromofluorobenzene
Concen: 53.740 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

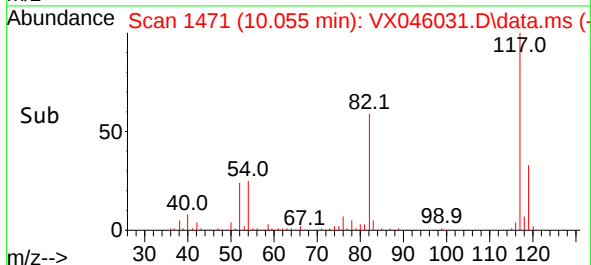
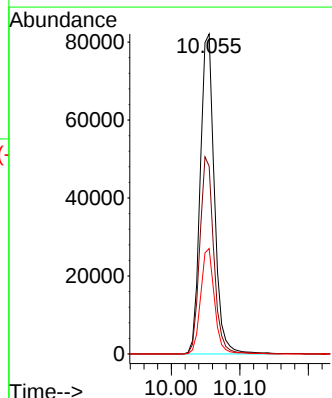
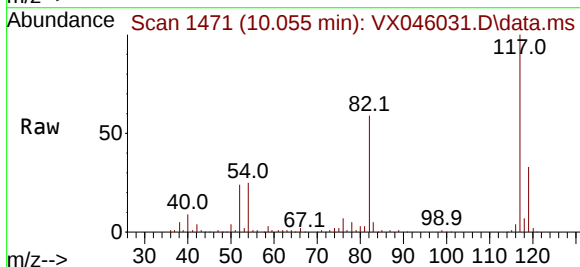
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

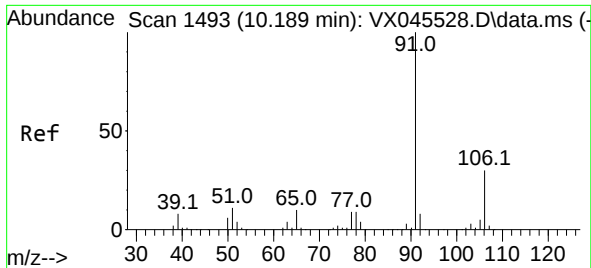
Tgt Ion: 95 Resp: 61483
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 63.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 117 Resp: 118172
Ion Ratio Lower Upper
117 100
82 58.6 49.2 73.8
119 32.9 25.1 37.7

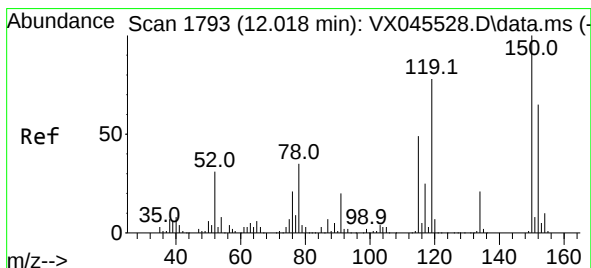
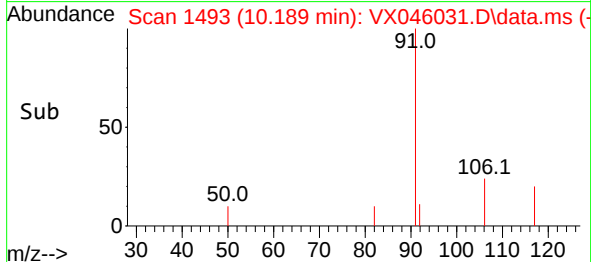
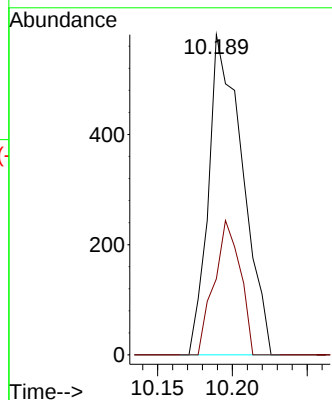
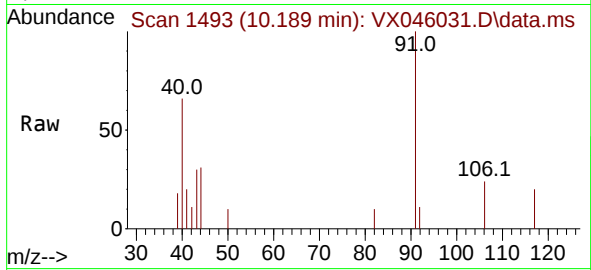




#67
Ethyl Benzene
Concen: 0.203 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

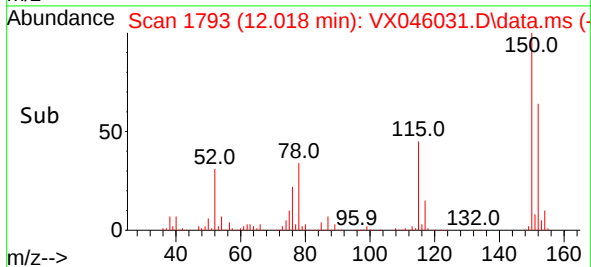
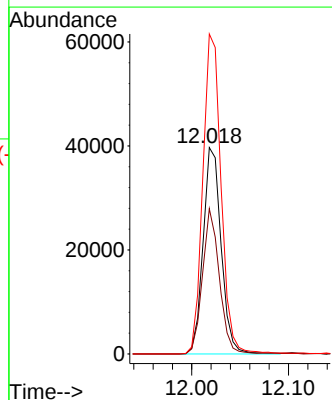
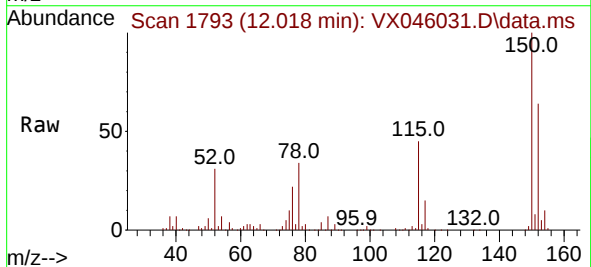
Instrument :
MSVOA_X
ClientSampleId :
COMP-5

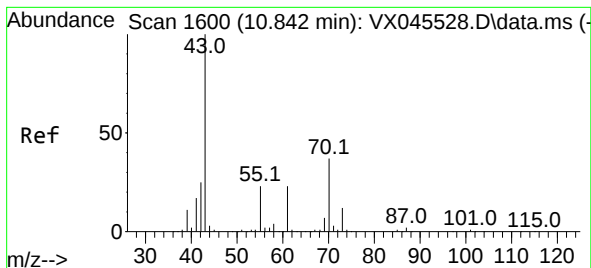
Tgt Ion: 91 Resp: 917
Ion Ratio Lower Upper
91 100
106 23.8 23.7 35.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 152 Resp: 51618
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 157.1 0.0 349.4





#74

N-amy1 acetate

Concen: 0.827 ug/l

RT: 10.781 min Scan# 1636

Delta R.T. -0.061 min

Lab File: VX046031.D

Acq: 02 May 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

COMP-5

Tgt Ion: 43 Resp: 1636

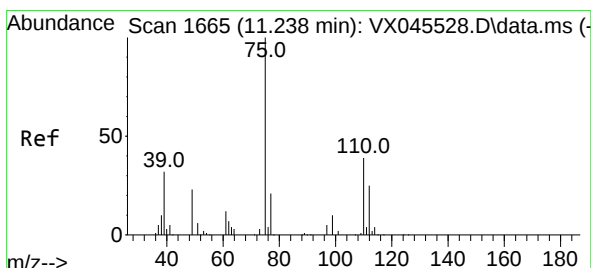
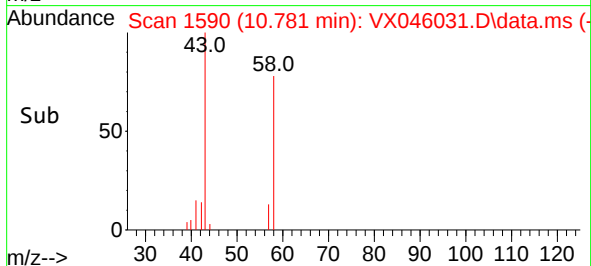
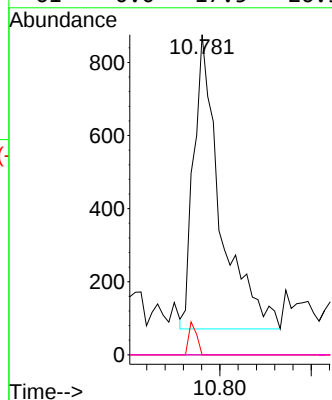
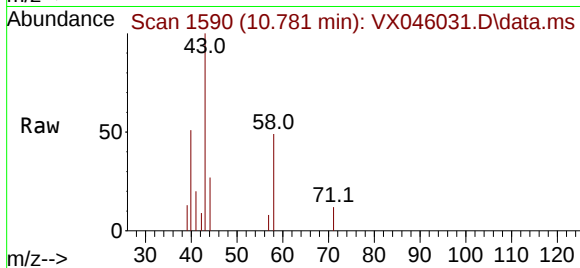
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 3.2 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 27.874 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046031.D

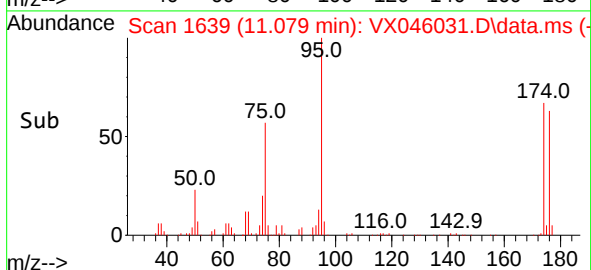
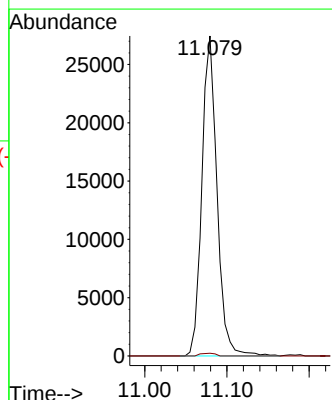
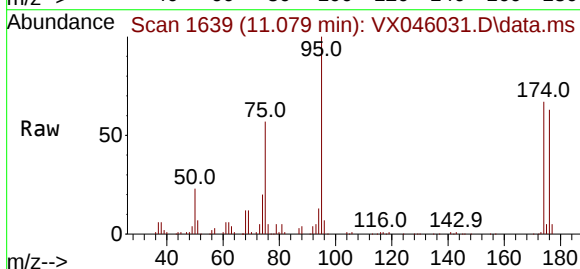
Acq: 02 May 2025 16:35

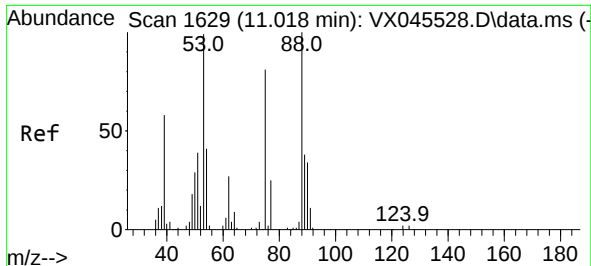
Tgt Ion: 75 Resp: 35096

Ion Ratio Lower Upper

75 100

77 0.8 20.0 59.9#

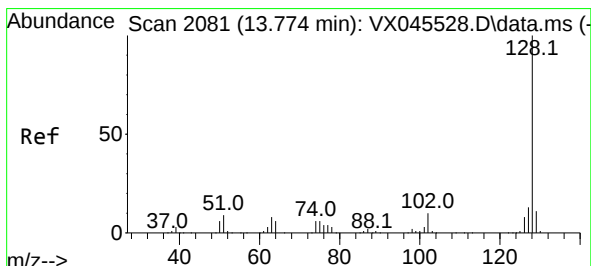
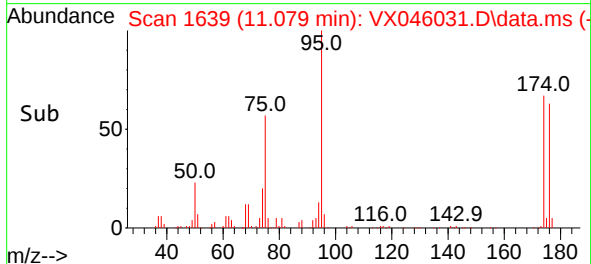
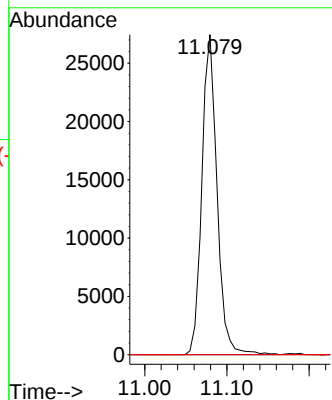
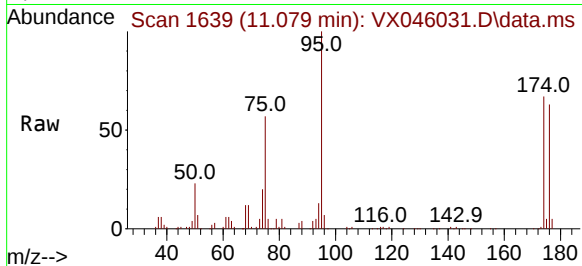




#81
trans-1,4-Dichloro-2-butene
Concen: 94.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
COMP-5

Tgt Ion: 75 Resp: 35096
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 5.169 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046031.D
Acq: 02 May 2025 16:35

Tgt Ion: 128 Resp: 18512
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 10.8 8.6 12.8

