

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046138.D
 Acq On : 12 May 2025 15:09
 Operator : JC/MD
 Sample : Q1983-48
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-08

Quant Time: May 13 03:19:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

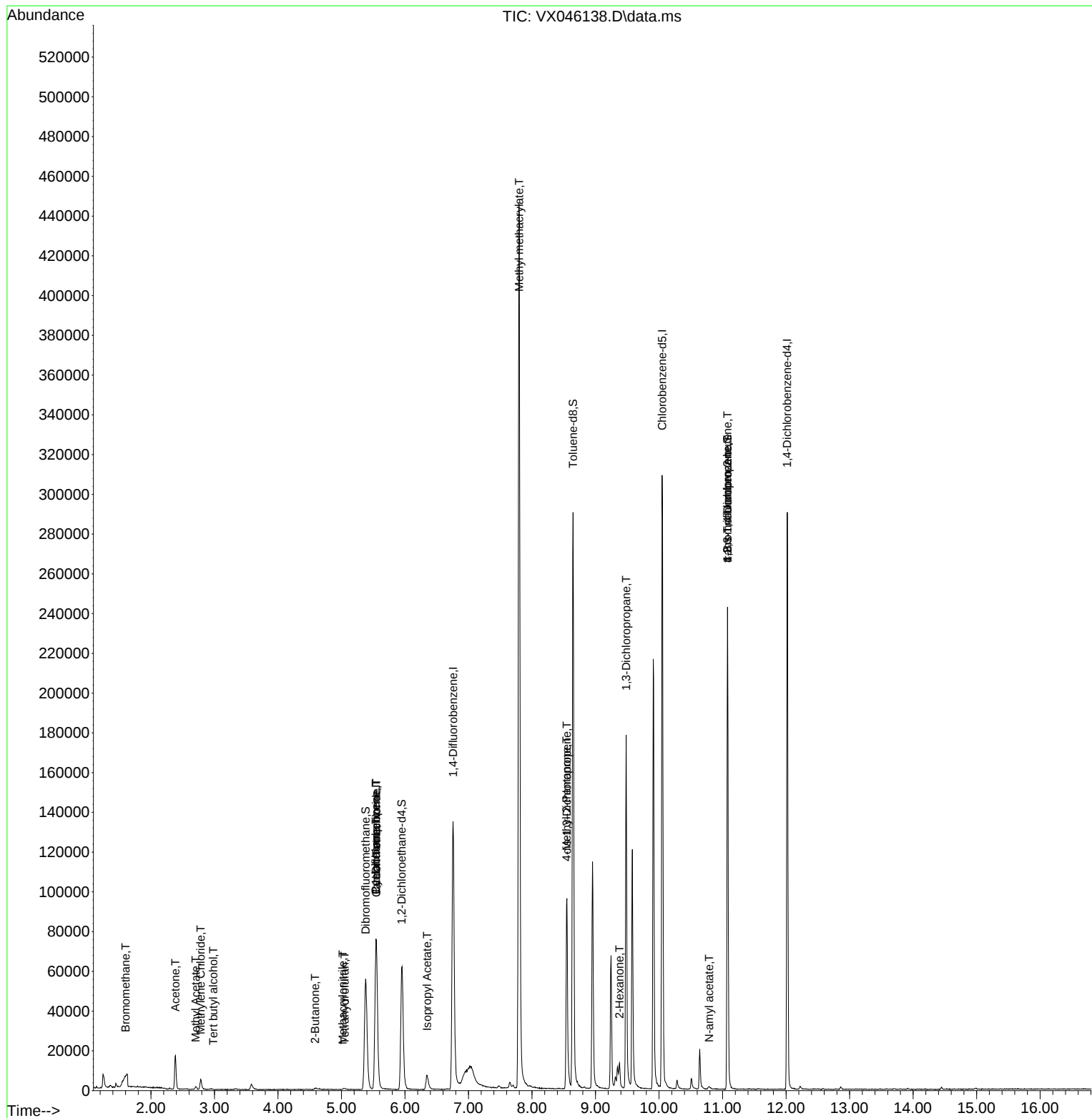
Internal Standards						
1) Pentafluorobenzene	5.544	168	64746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64477	53.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.840%			
35) Dibromofluoromethane	5.379	113	47370	49.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.940%			
50) Toluene-d8	8.647	98	166489	50.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.079	95	63756	50.657	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.320%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	157	0.378	ug/l #	4
11) Tert butyl alcohol	2.983	59	151	0.891	ug/l #	72
16) Acetone	2.386	43	18667	38.570	ug/l	99
18) Methyl Acetate	2.703	43	2113	1.881	ug/l	96
20) Methylene Chloride	2.782	84	2381	2.567	ug/l	96
25) 2-Butanone	4.587	43	1635	2.327	ug/l	99
29) Tetrahydrofuran	5.050	42	551	1.251	ug/l #	62
31) Cyclohexane	5.544	56	1867	1.298	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	6111	4.798	ug/l #	54
38) Carbon Tetrachloride	5.550	117	7766	5.427	ug/l #	17
41) Methacrylonitrile	5.019	41	292	0.355	ug/l #	25
43) Isopropyl Acetate	6.348	43	10758	4.481	ug/l	98
48) Methyl methacrylate	7.799	41	44177	36.032	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	38250	24.003	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	14515	10.253	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1372	0.847	ug/l #	42
59) 2-Hexanone	9.378	43	11958	10.143	ug/l #	28
74) N-amyl acetate	10.787	43	1368	0.671	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36568	28.685	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36568	93.389	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046138.D
Acq On : 12 May 2025 15:09
Operator : JC/MD
Sample : Q1983-48
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

Quant Time: May 13 03:19:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

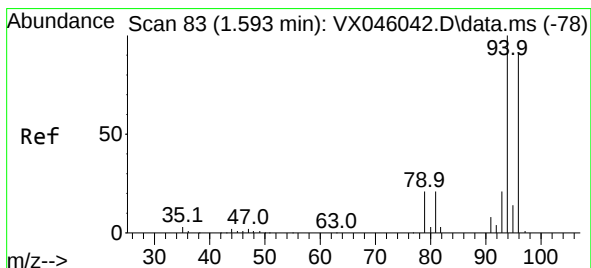
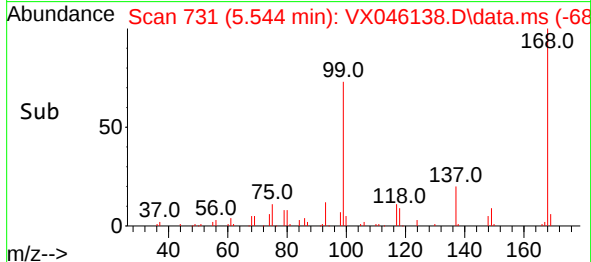
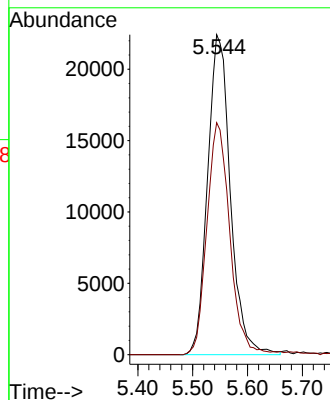
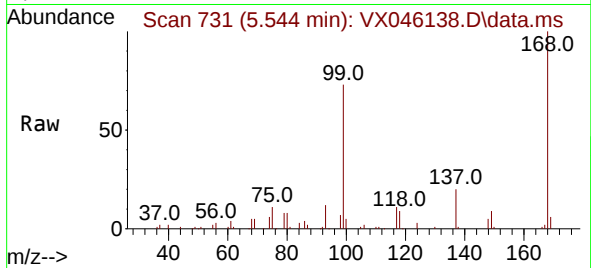




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

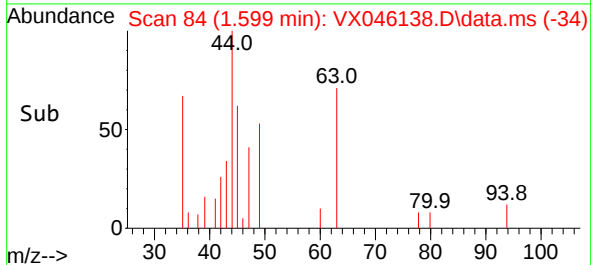
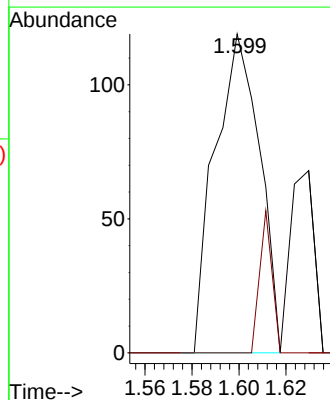
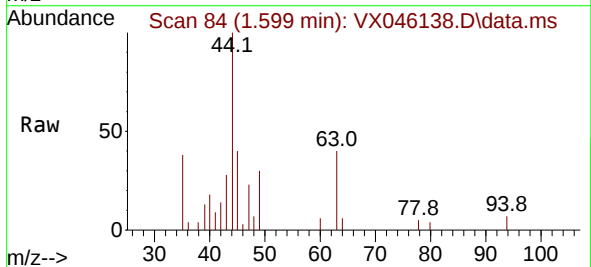
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

Tgt Ion:168 Resp: 64746
Ion Ratio Lower Upper
168 100
99 72.5 54.9 82.3



#5
Bromomethane
Concen: 0.378 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#





#11

Tert butyl alcohol

Concen: 0.891 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

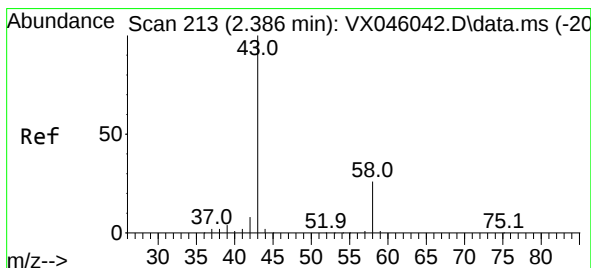
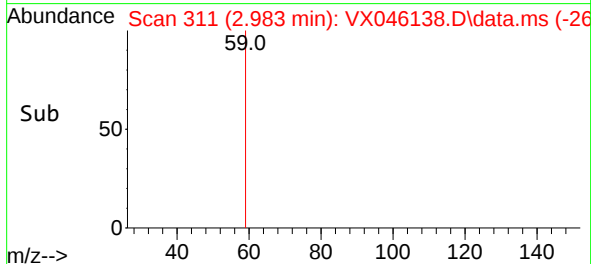
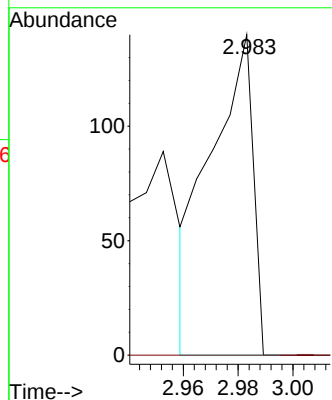
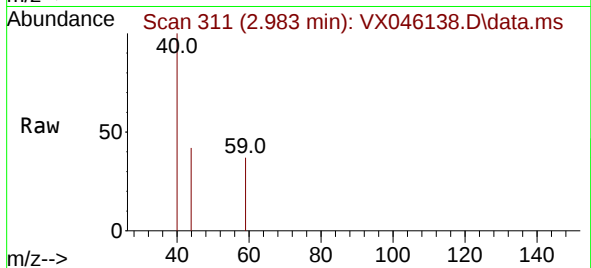
OR-636-COMP-08

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 38.570 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046138.D

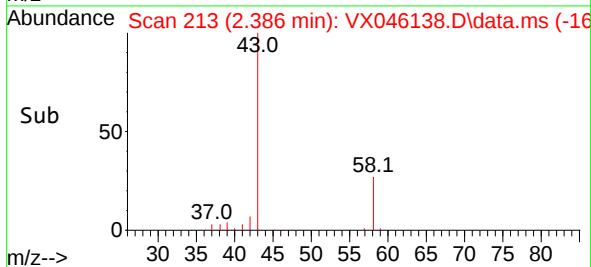
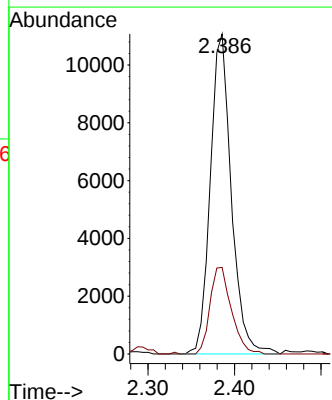
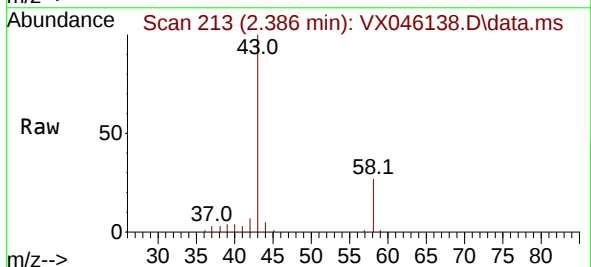
Acq: 12 May 2025 15:09

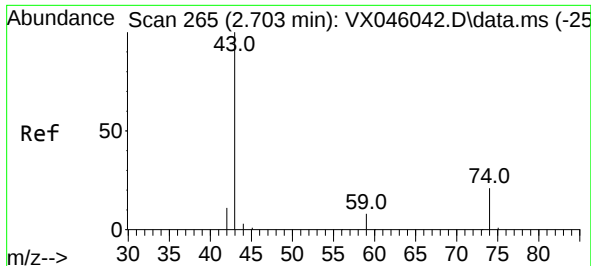
Tgt Ion: 43 Resp: 18667

Ion Ratio Lower Upper

43 100

58 27.1 21.2 31.8

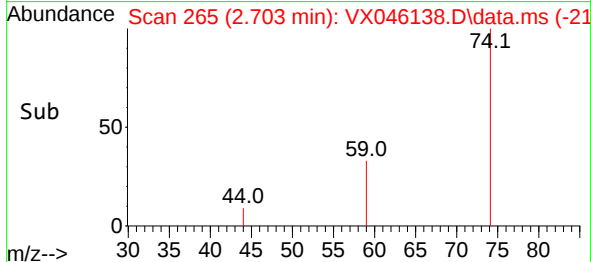
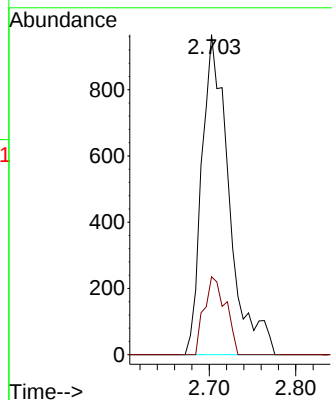
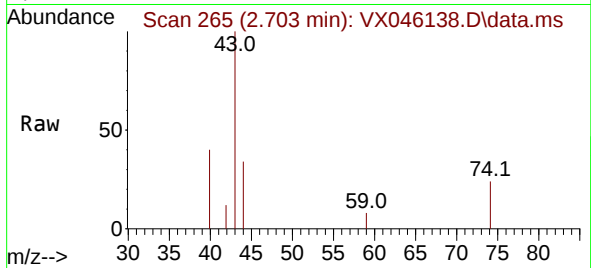




#18
Methyl Acetate
Concen: 1.881 ug/l
RT: 2.703 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

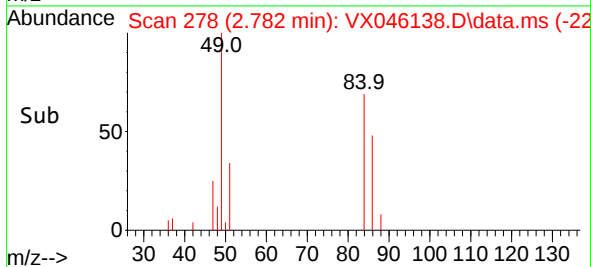
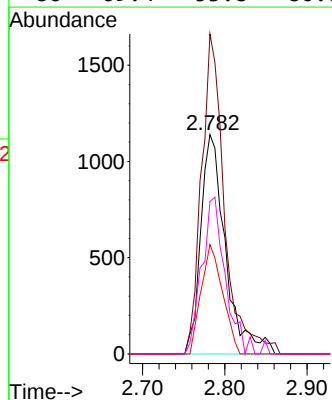
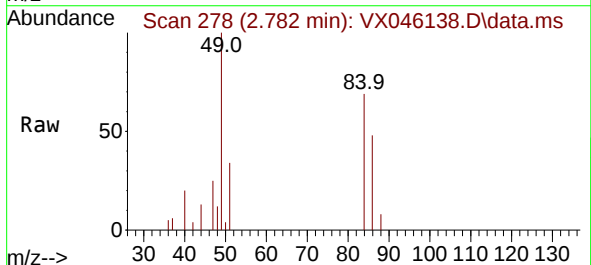
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

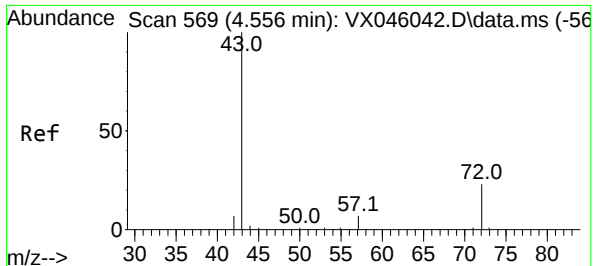
Tgt Ion: 43 Resp: 2113
Ion Ratio Lower Upper
43 100
74 19.1 16.7 25.1



#20
Methylene Chloride
Concen: 2.567 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 84 Resp: 2381
Ion Ratio Lower Upper
84 100
49 145.9 113.9 170.9
51 49.9 33.5 50.3
86 69.4 53.8 80.8





#25

2-Butanone

Concen: 2.327 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

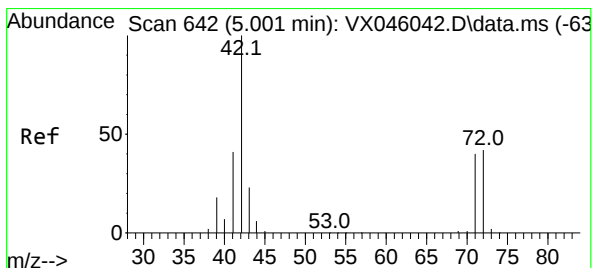
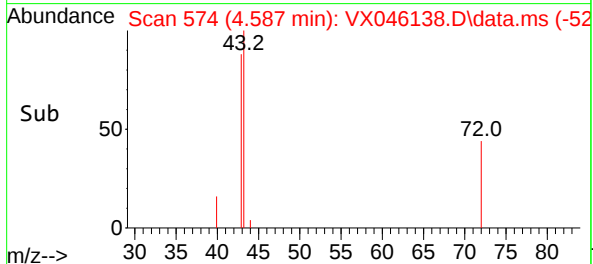
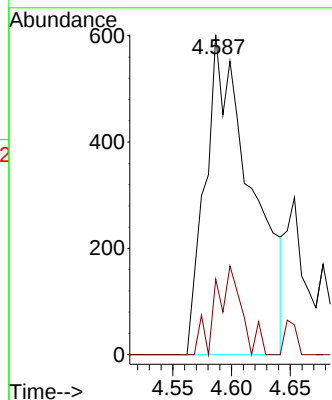
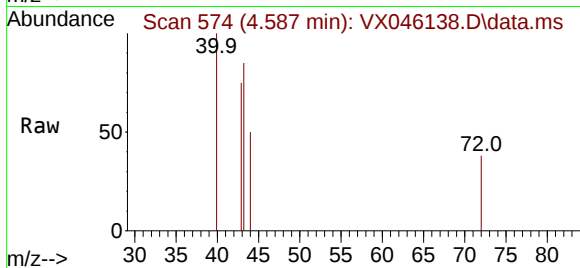
OR-636-COMP-08

Tgt Ion: 43 Resp: 1635

Ion Ratio Lower Upper

43 100

72 23.6 18.4 27.6



#29

Tetrahydrofuran

Concen: 1.251 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.049 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

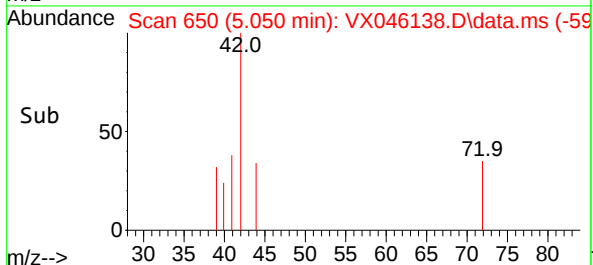
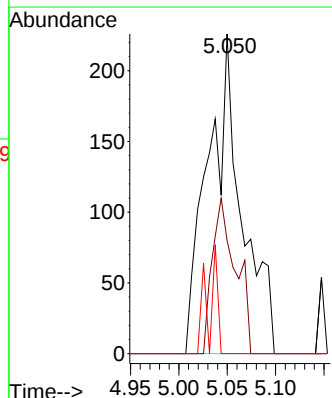
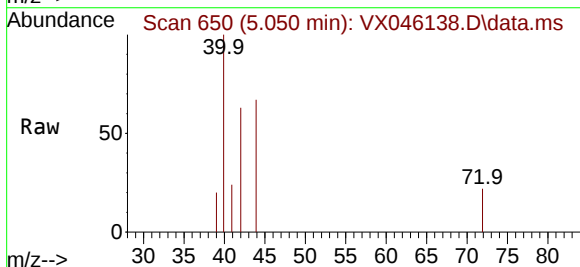
Tgt Ion: 42 Resp: 551

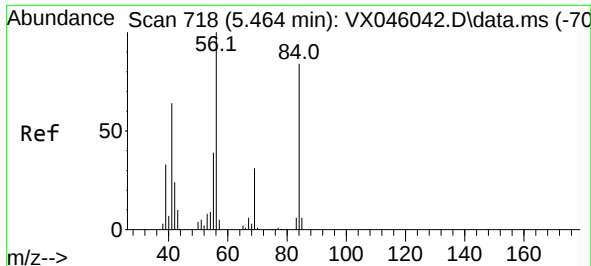
Ion Ratio Lower Upper

42 100

72 33.6 33.7 50.5#

71 0.0 31.4 47.2#

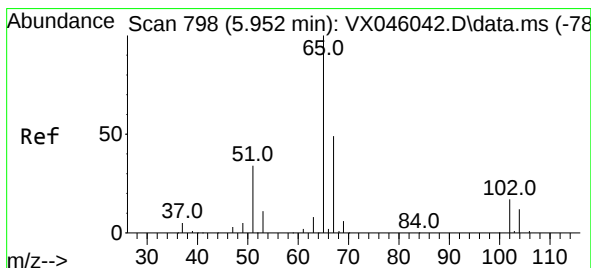
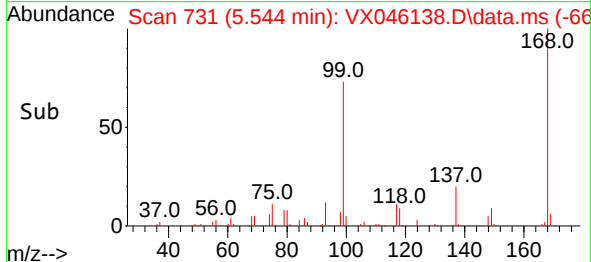
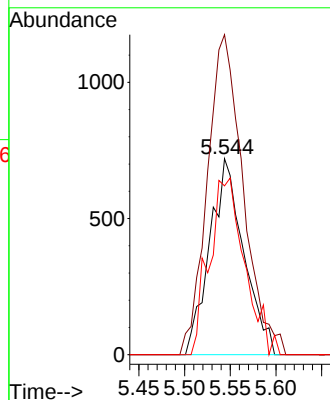
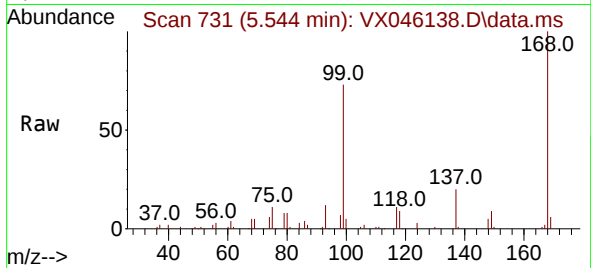




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

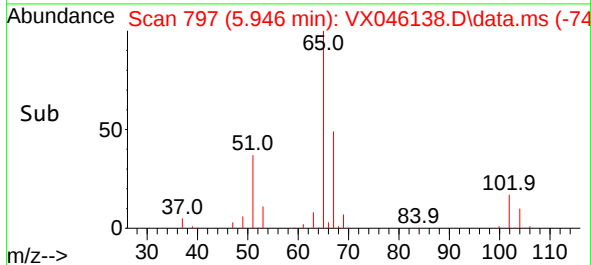
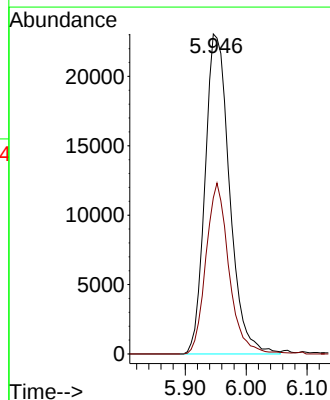
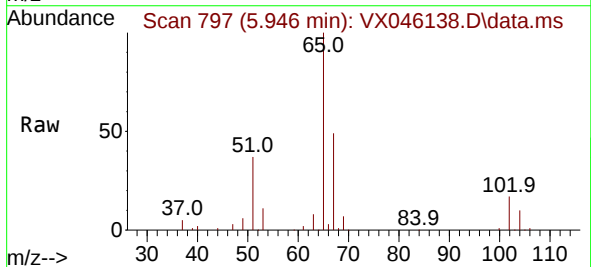
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

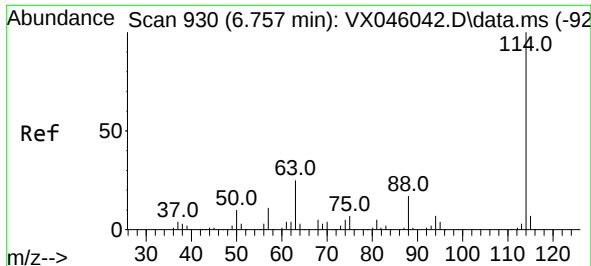
Tgt Ion: 56 Resp: 1867
Ion Ratio Lower Upper
56 100
69 163.2 24.4 36.6#
84 86.1 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.416 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 65 Resp: 64477
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.0

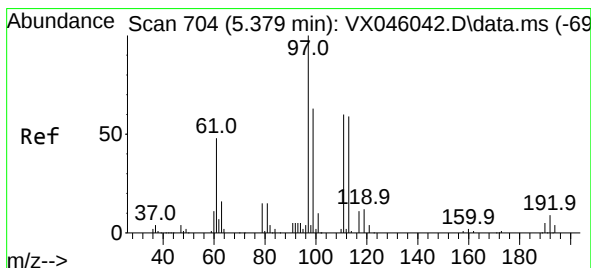
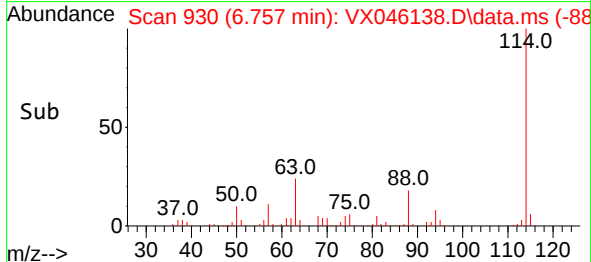
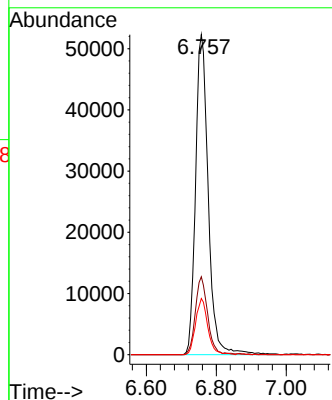
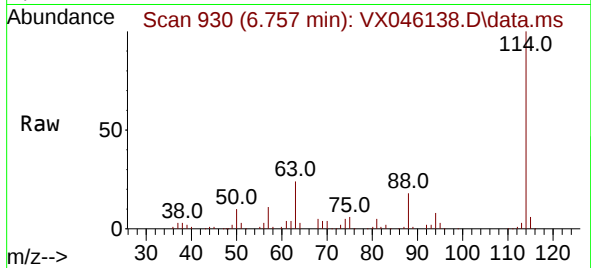




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

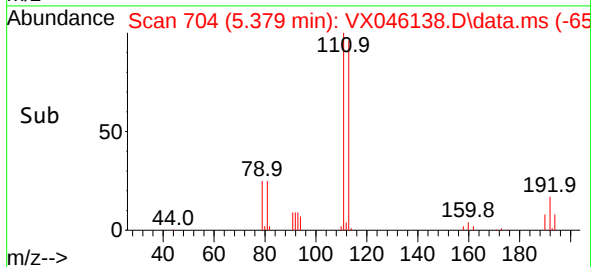
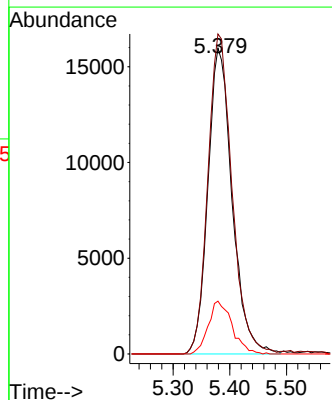
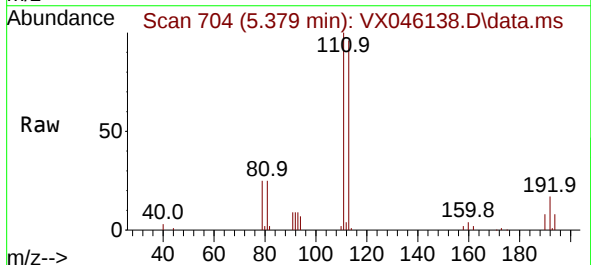
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

Tgt Ion:114 Resp: 131644
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.970 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion:113 Resp: 47370
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.798 ug/l

RT: 5.544 min Scan# 711

Delta R.T. -0.140 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-08

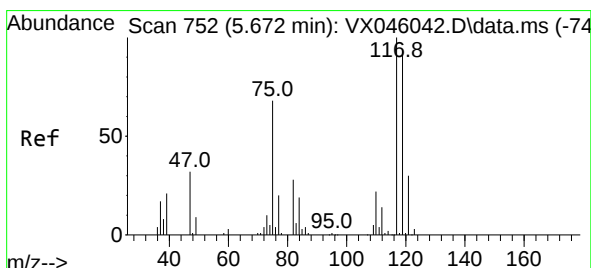
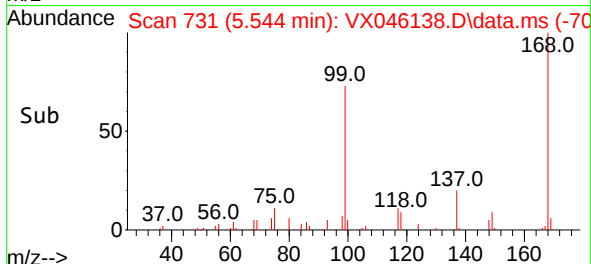
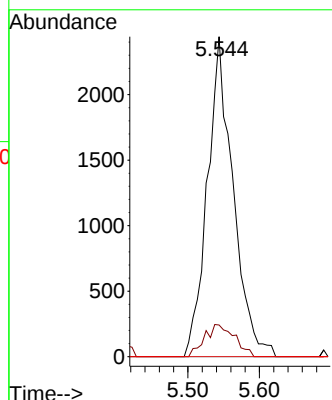
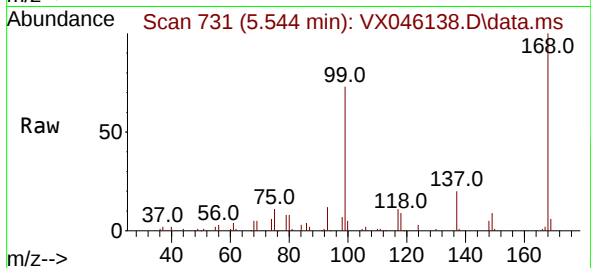
Tgt Ion: 75 Resp: 6111

Ion Ratio Lower Upper

75 100

110 11.7 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.427 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

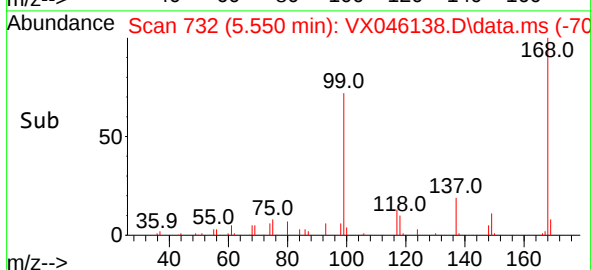
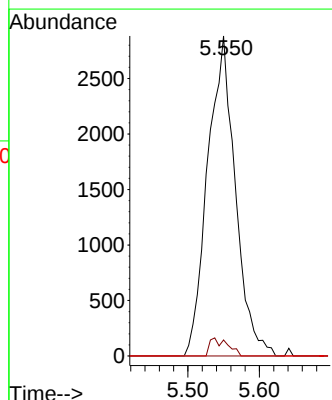
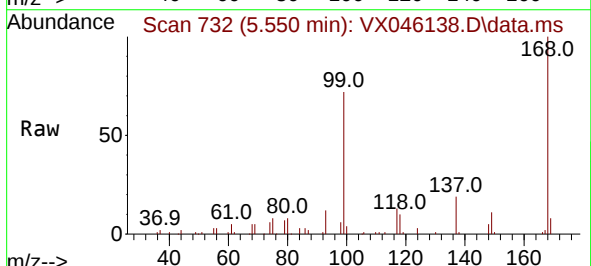
Tgt Ion: 117 Resp: 7766

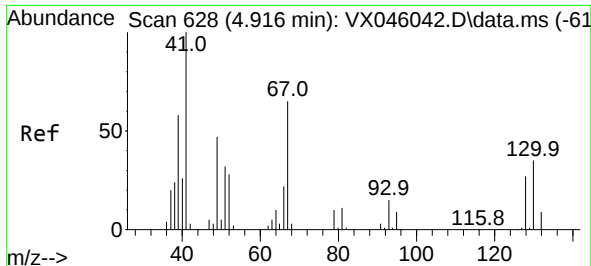
Ion Ratio Lower Upper

117 100

119 5.0 75.2 112.8#

121 0.0 24.2 36.4#

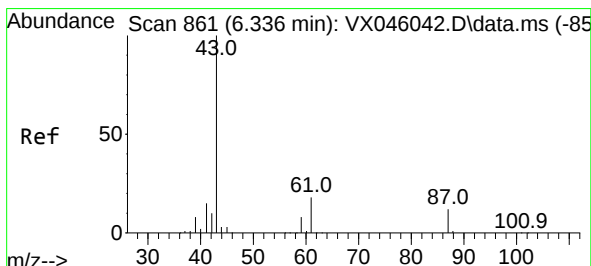
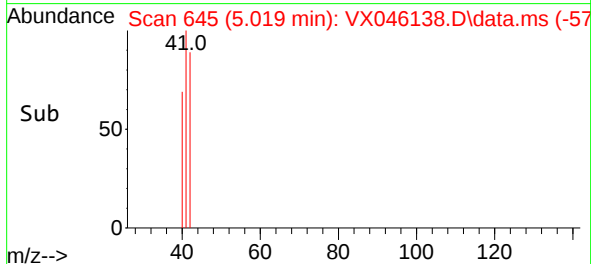
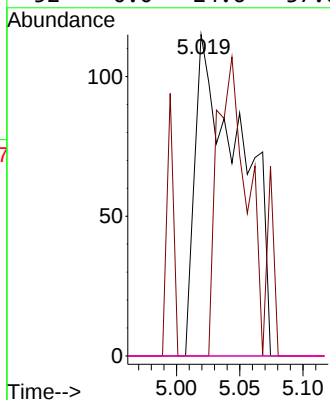
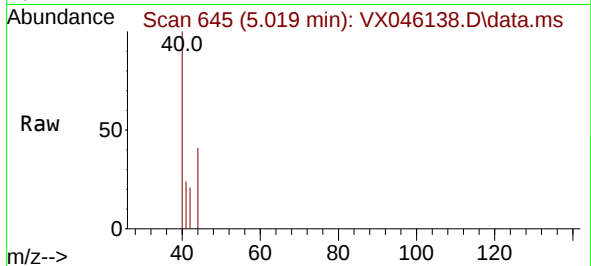




#41
Methacrylonitrile
Concen: 0.355 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

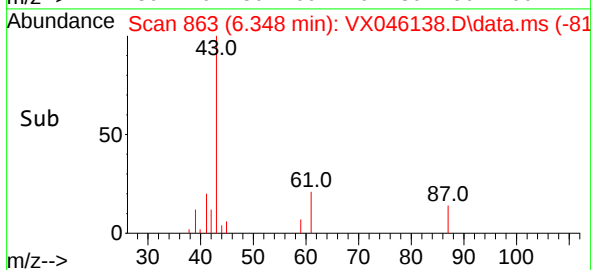
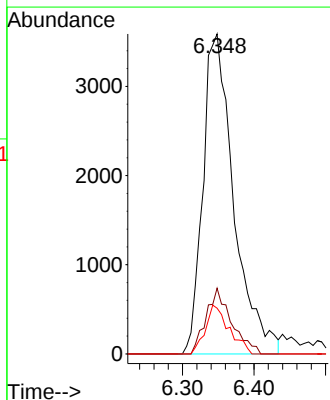
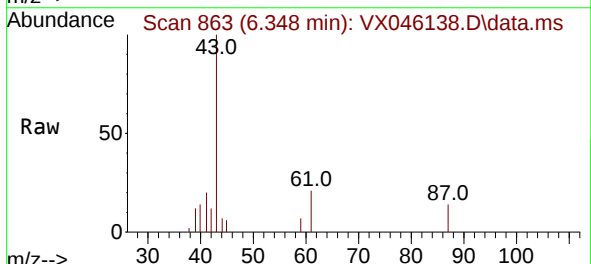
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

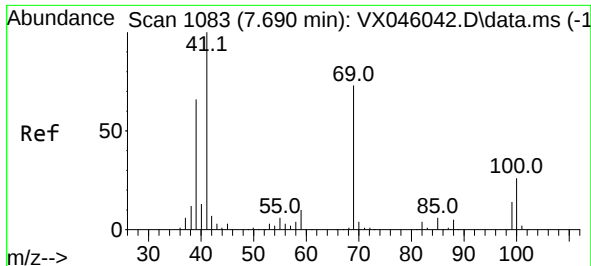
Tgt Ion: 41 Resp: 292
Ion Ratio Lower Upper
41 100
39 0.0 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.481 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 43 Resp: 10758
Ion Ratio Lower Upper
43 100
61 16.9 14.3 21.5
87 11.7 9.5 14.3

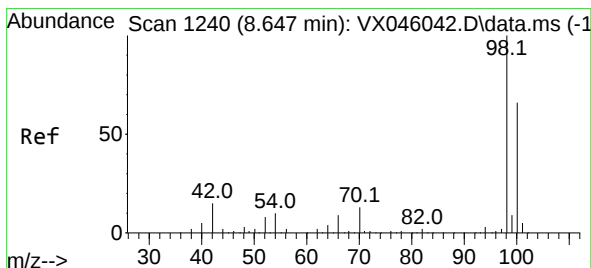
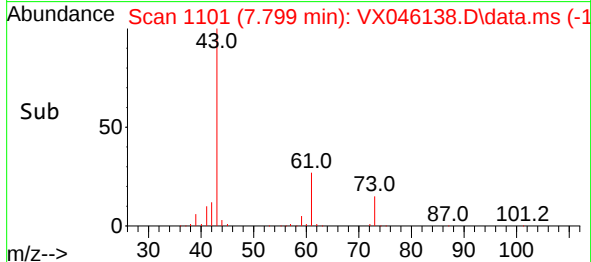
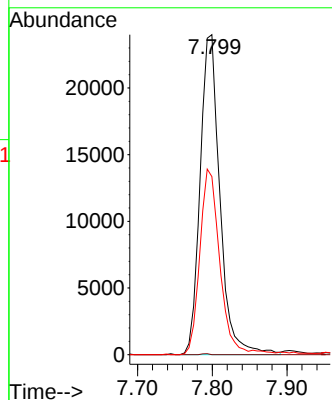
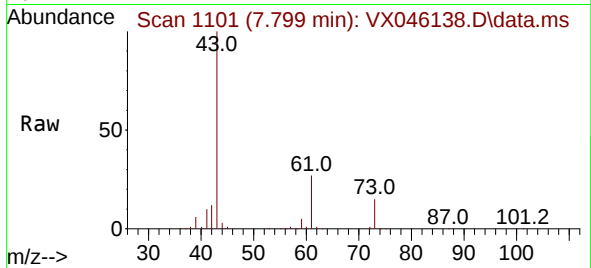




#48
Methyl methacrylate
Concen: 36.032 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

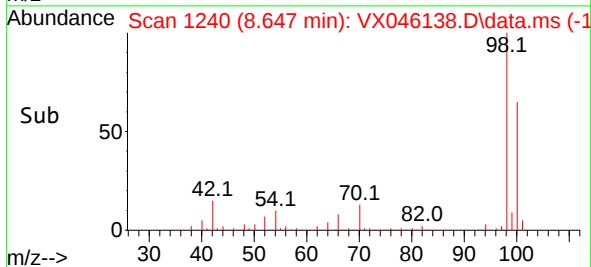
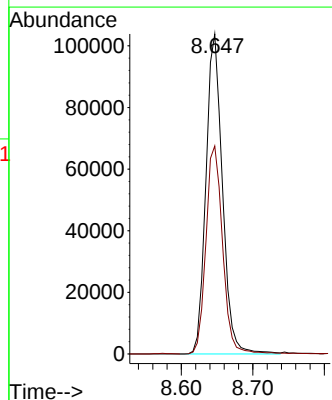
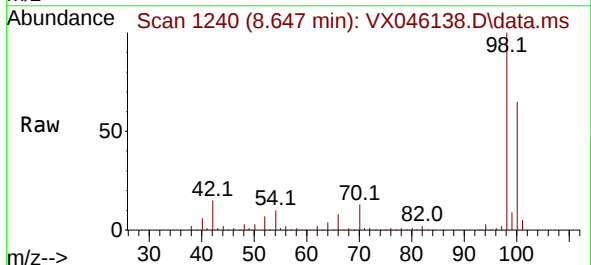
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

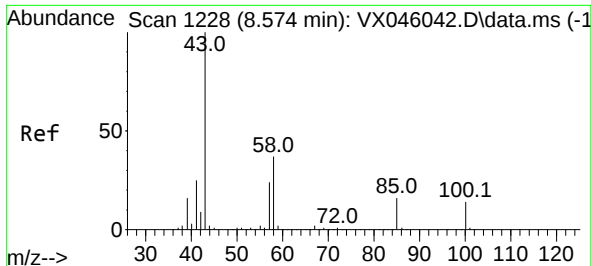
Tgt Ion: 41 Resp: 44177
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 58.7 51.7 77.5



#50
Toluene-d8
Concen: 50.742 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 98 Resp: 166489
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3

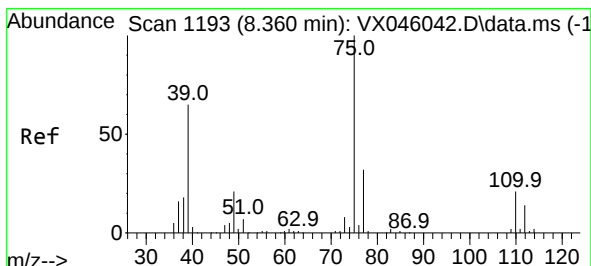
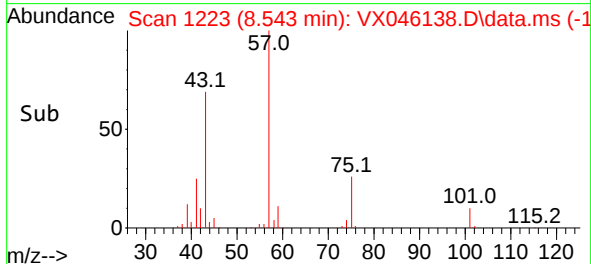
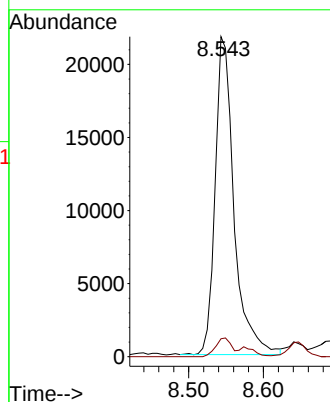
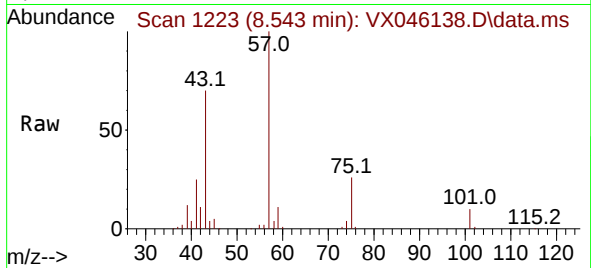




#51
4-Methyl-2-Pentanone
Concen: 24.003 ug/l
RT: 8.543 min Scan# 1122
Delta R.T. -0.031 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

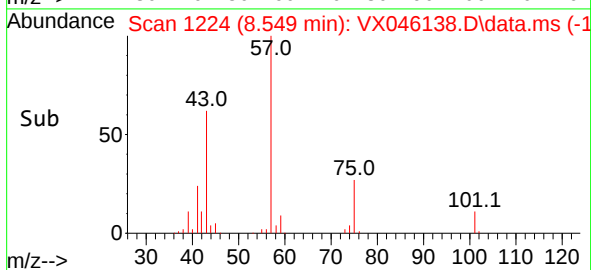
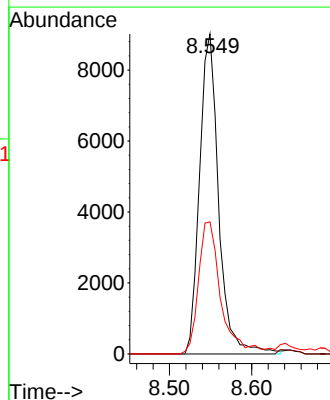
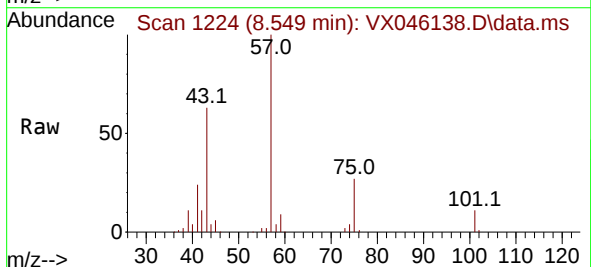
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

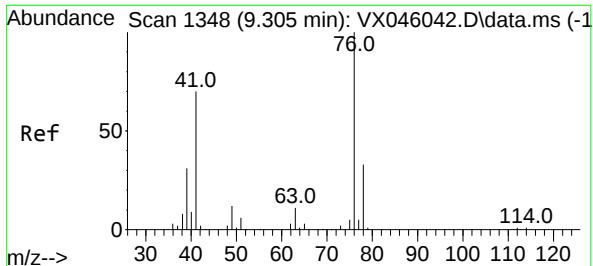
Tgt Ion: 43 Resp: 38250
Ion Ratio Lower Upper
43 100
58 5.3 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.253 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 75 Resp: 14515
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.847 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046138.D

Acq: 12 May 2025 15:09

Instrument :

MSVOA_X

ClientSampleId :

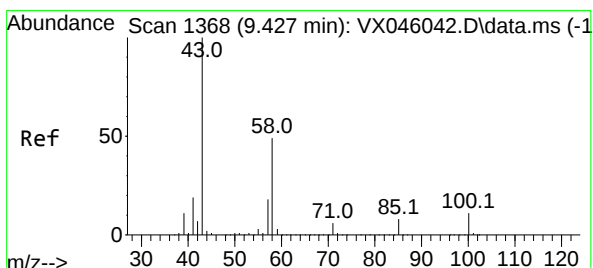
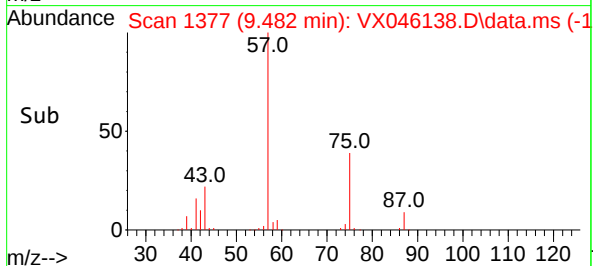
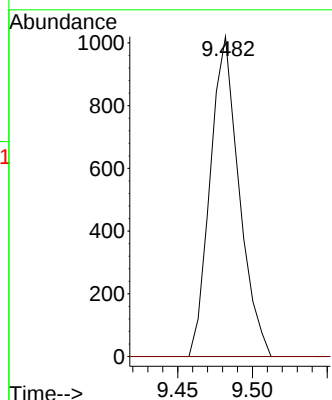
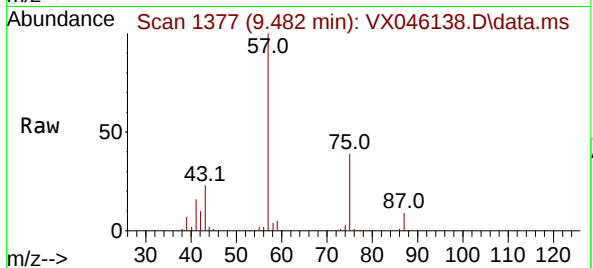
OR-636-COMP-08

Tgt Ion: 76 Resp: 1372

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.143 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046138.D

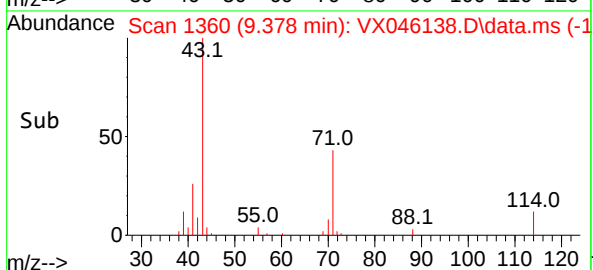
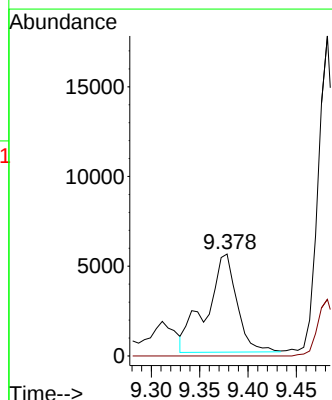
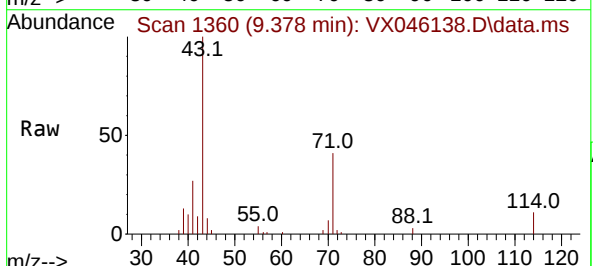
Acq: 12 May 2025 15:09

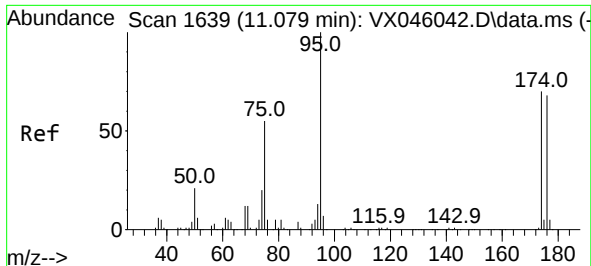
Tgt Ion: 43 Resp: 11958

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

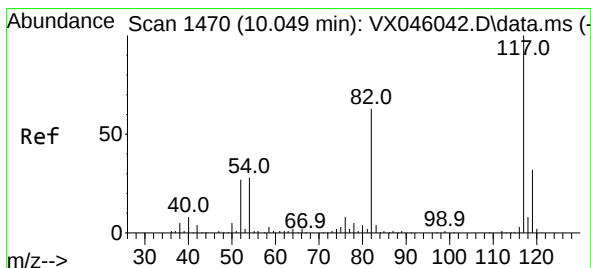
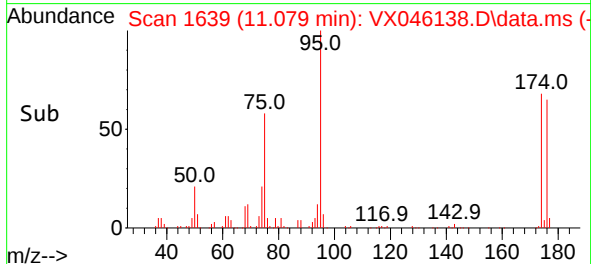
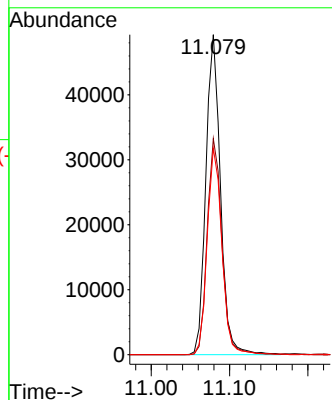
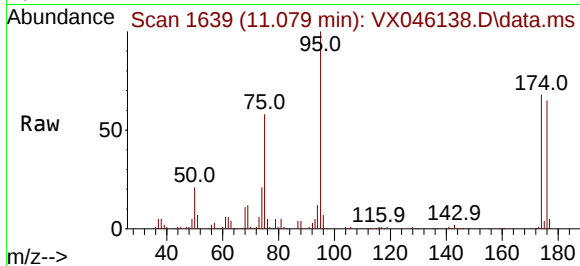




#62
4-Bromofluorobenzene
Concen: 50.657 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

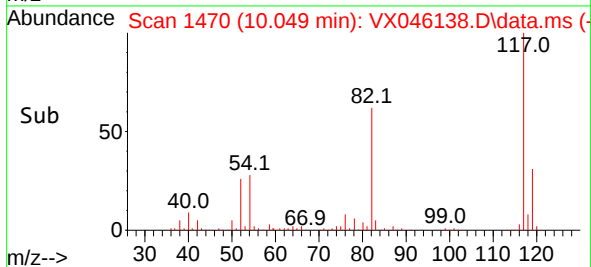
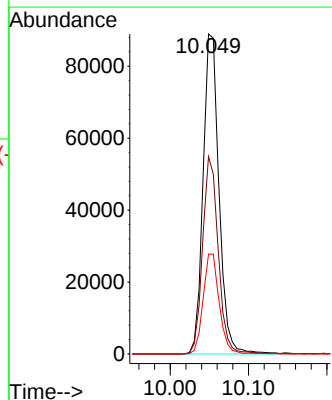
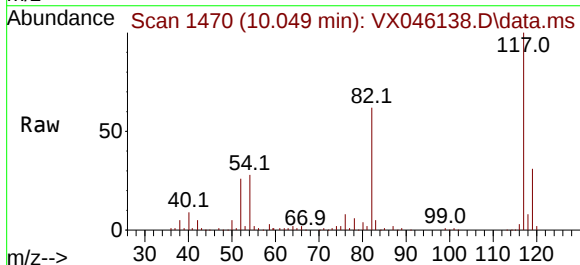
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

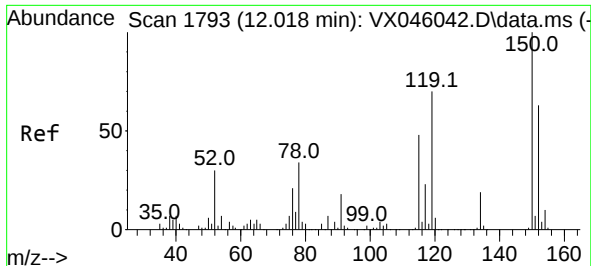
Tgt Ion: 95 Resp: 63756
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 117 Resp: 125667
Ion Ratio Lower Upper
117 100
82 61.7 50.6 76.0
119 31.2 25.8 38.6

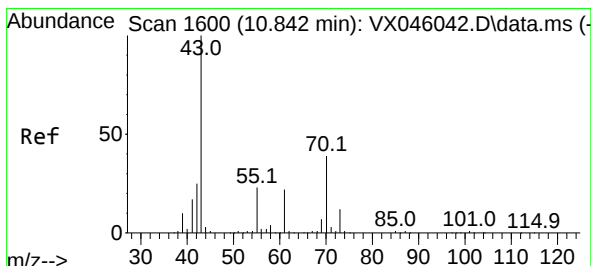
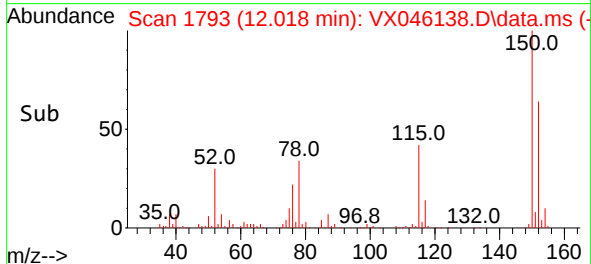
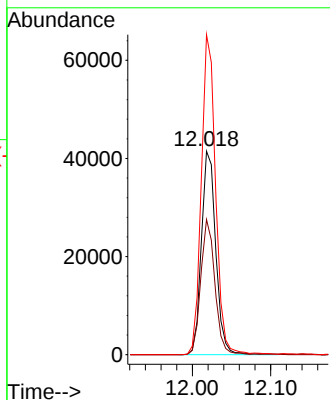
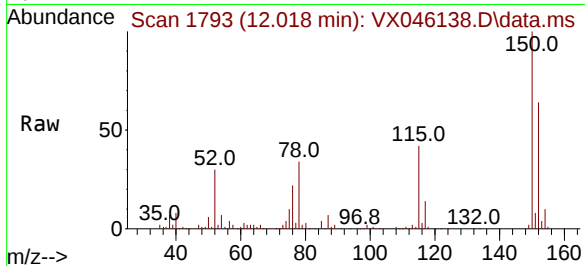




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

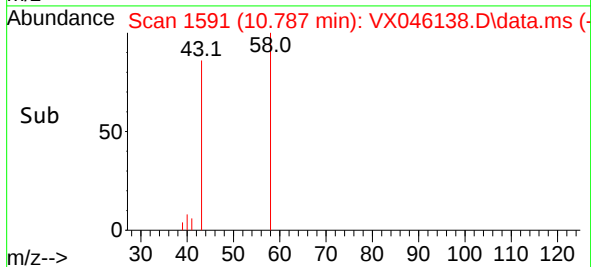
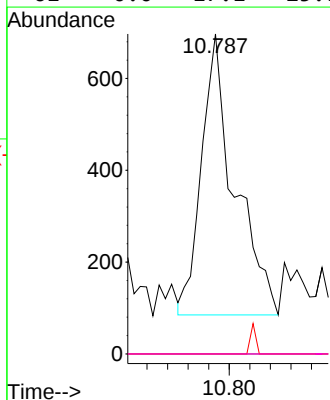
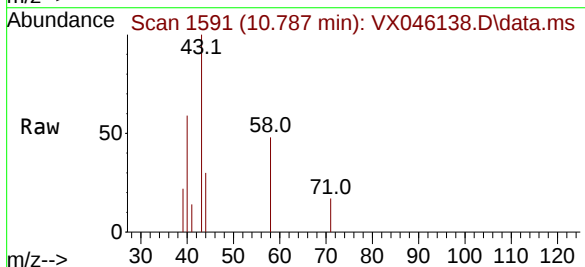
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

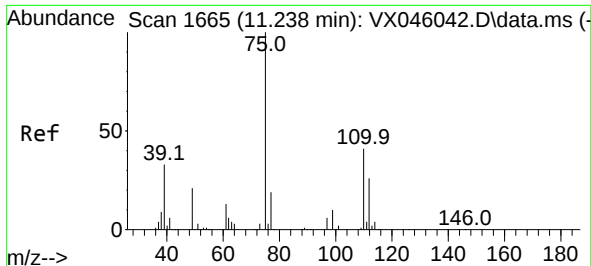
Tgt Ion:152 Resp: 52962
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 155.9 0.0 351.0



#74
N-ethyl acetate
Concen: 0.671 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 0.0 18.7 28.1#
61 0.0 17.1 25.7#

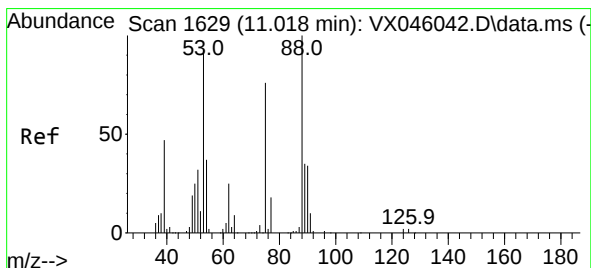
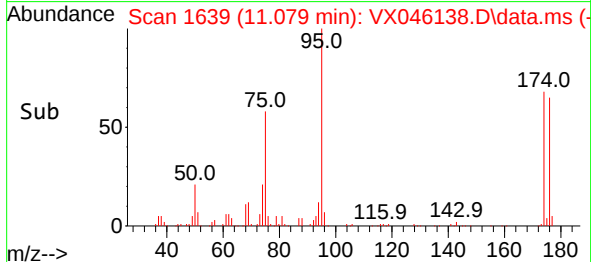
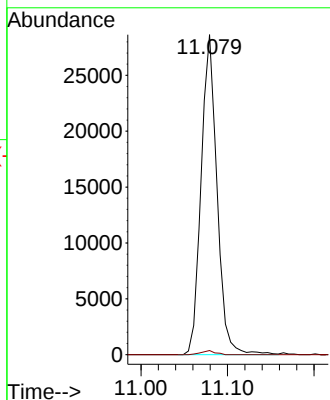
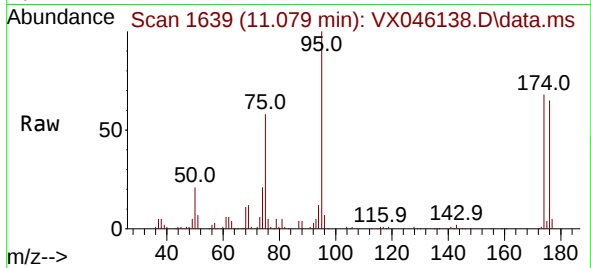




#76
1,2,3-Trichloropropane
Concen: 28.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-08

Tgt Ion: 75 Resp: 36568
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046138.D
Acq: 12 May 2025 15:09

Tgt Ion: 75 Resp: 36568
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

