

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046175.D
 Acq On : 13 May 2025 18:42
 Operator : JC/MD
 Sample : Q2007-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-10

Quant Time: May 14 01:45:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

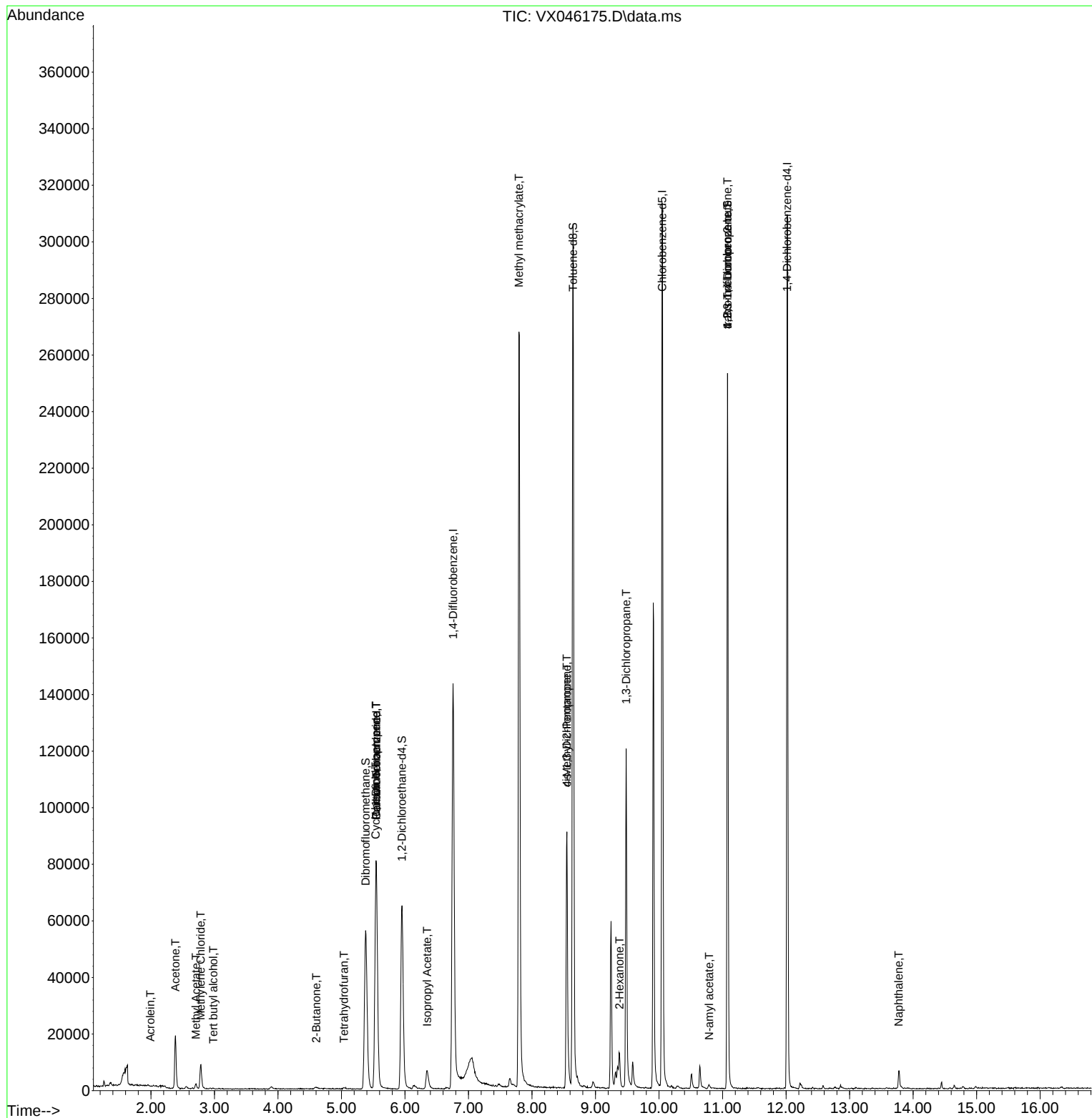
Internal Standards						
1) Pentafluorobenzene	5.550	168	67988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67427	53.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.400%	
35) Dibromofluoromethane	5.379	113	49474	50.052	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	8.647	98	175314	51.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	11.079	95	67774	51.644	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	221	1.242	ug/l #	72
13) Acrolein	1.990	56	47	0.232	ug/l #	15
16) Acetone	2.386	43	20755	40.839	ug/l	97
18) Methyl Acetate	2.709	43	2397	2.033	ug/l	97
20) Methylene Chloride	2.782	84	3927	4.032	ug/l	87
25) 2-Butanone	4.605	43	2039	2.764	ug/l	99
29) Tetrahydrofuran	5.038	42	422	0.913	ug/l #	50
31) Cyclohexane	5.538	56	2016	1.335	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	6866	5.170	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8351	5.596	ug/l #	17
43) Isopropyl Acetate	6.348	43	10281	4.107	ug/l	97
48) Methyl methacrylate	7.793	41	26942	21.074	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	35876	21.591	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	13602	9.214	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1036	0.613	ug/l #	42
59) 2-Hexanone	9.378	43	11165	9.082	ug/l #	28
74) N-amyl acetate	10.787	43	1230	0.571	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	38997	28.917	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38997	94.145	ug/l #	1
95) Naphthalene	13.774	128	5841	1.495	ug/l	98

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

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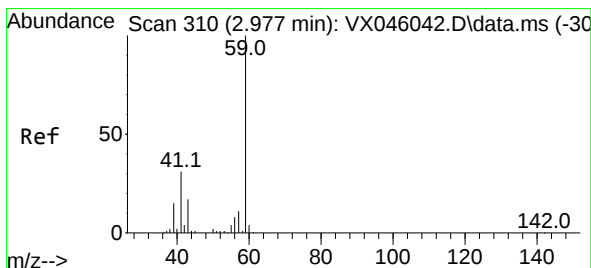
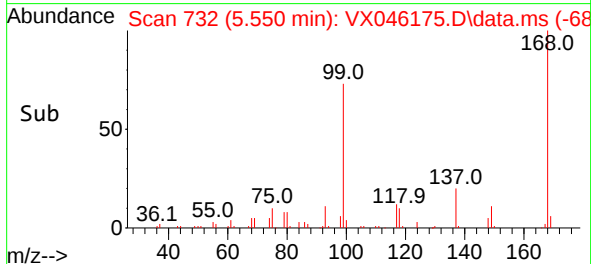
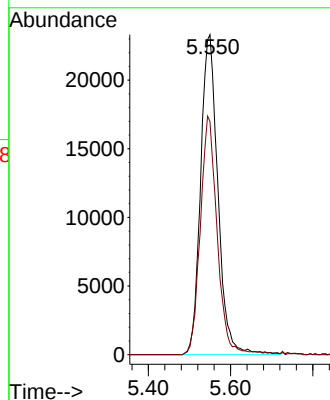
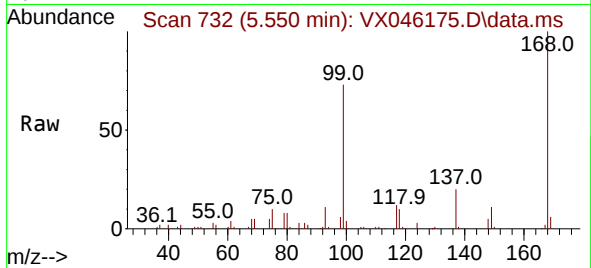




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

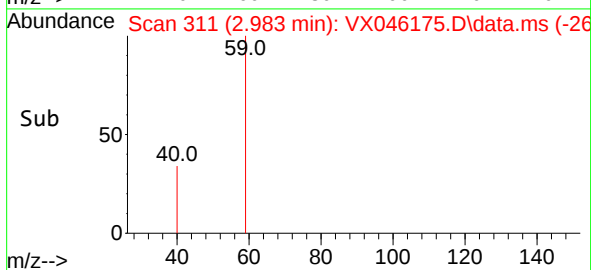
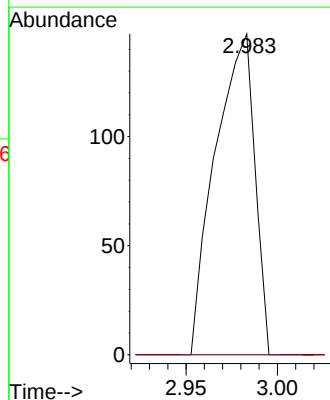
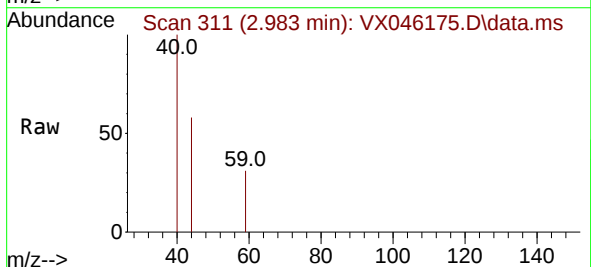
Instrument :
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OR-636-COMP-10

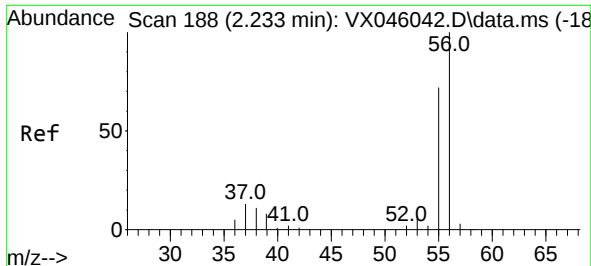
Tgt Ion:168 Resp: 67988
Ion Ratio Lower Upper
168 100
99 72.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.242 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

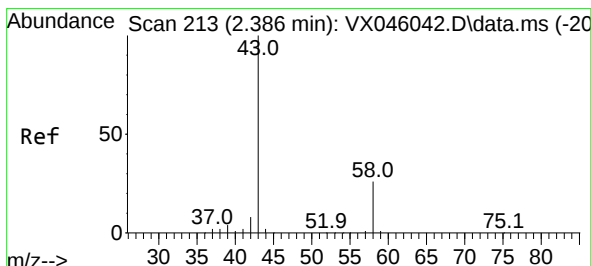
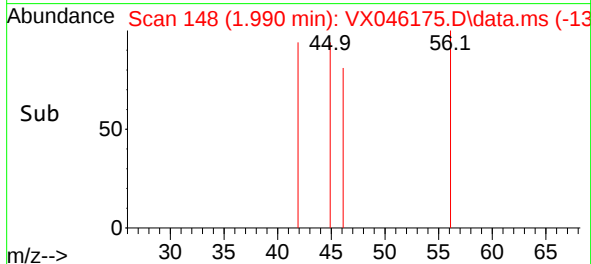
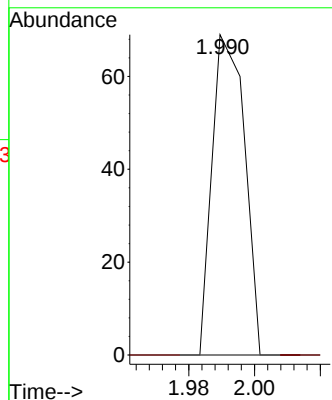
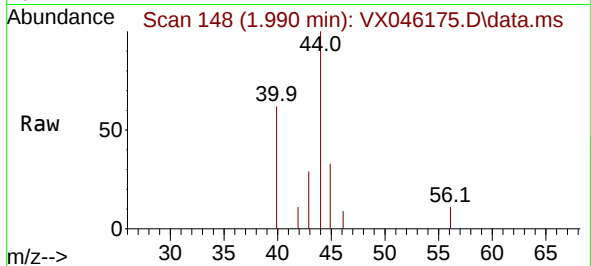




#13
Acrolein
Concen: 0.232 ug/l
RT: 1.990 min Scan# 14
Delta R.T. -0.244 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

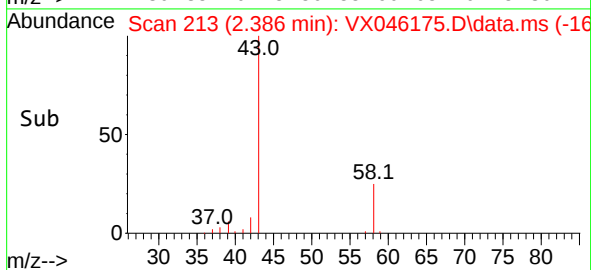
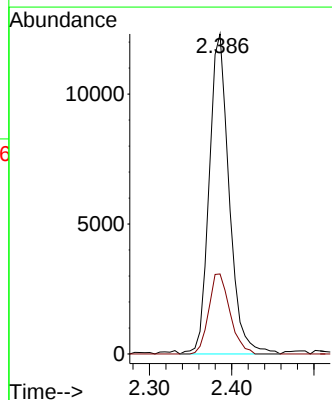
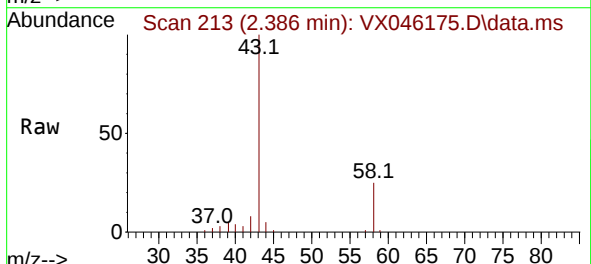
Instrument :
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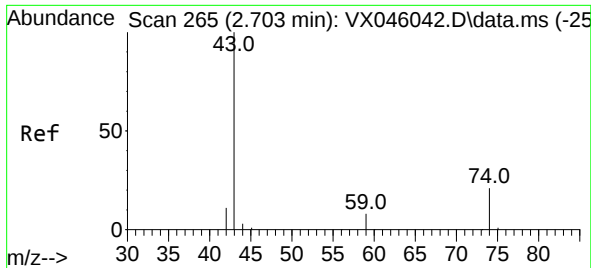
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 40.839 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 43 Resp: 20755
Ion Ratio Lower Upper
43 100
58 25.0 21.2 31.8

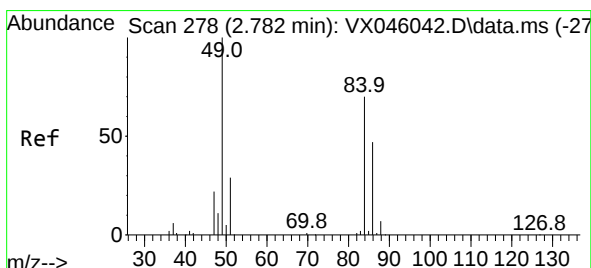
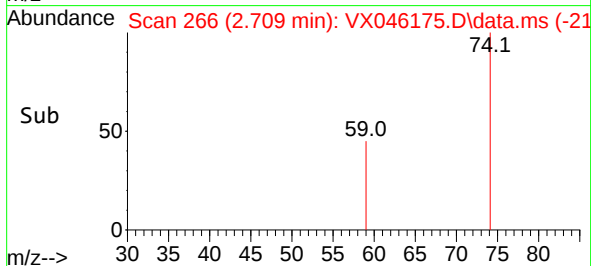
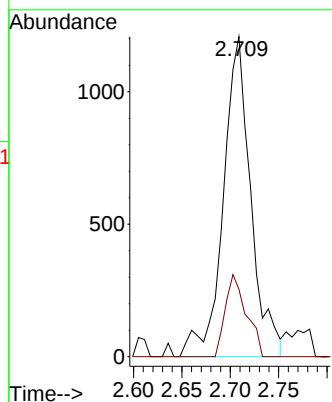
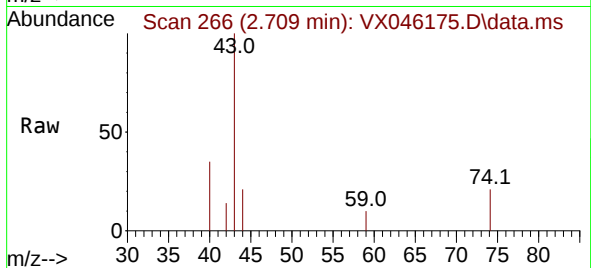




#18
Methyl Acetate
Concen: 2.033 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

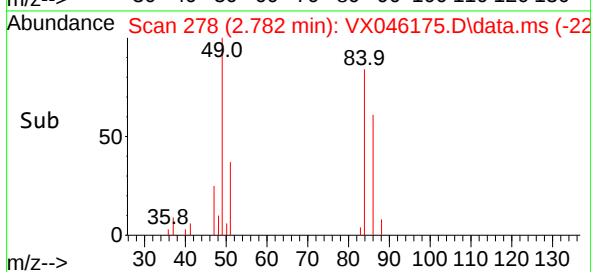
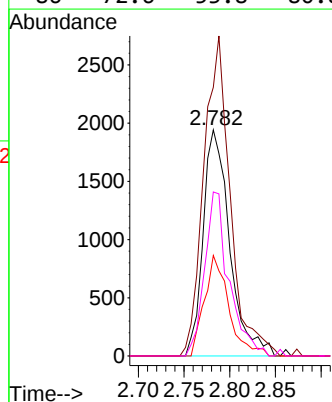
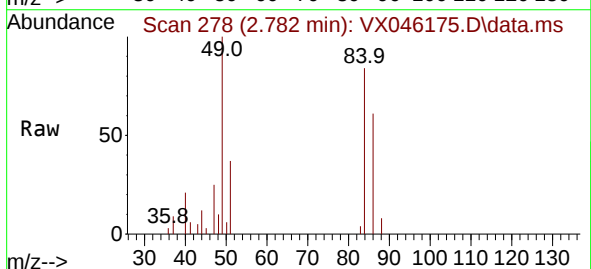
Instrument :
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ClientSampleId :
OR-636-COMP-10

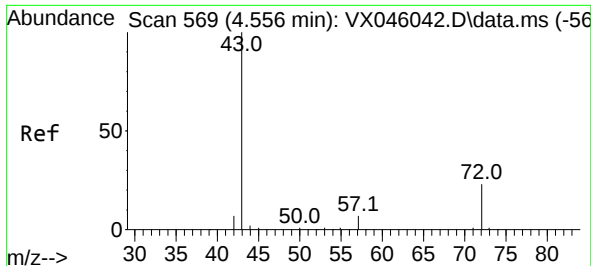
Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1



#20
Methylene Chloride
Concen: 4.032 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 84 Resp: 3927
Ion Ratio Lower Upper
84 100
49 118.8 113.9 170.9
51 44.4 33.5 50.3
86 72.6 53.8 80.8

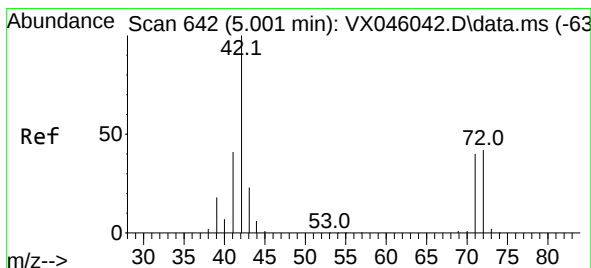
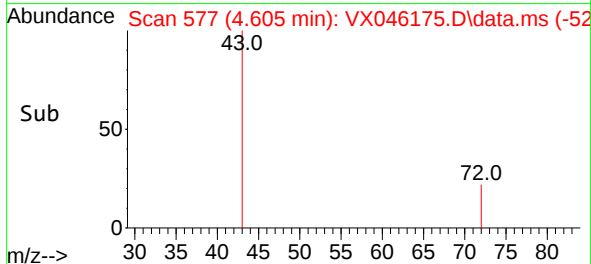
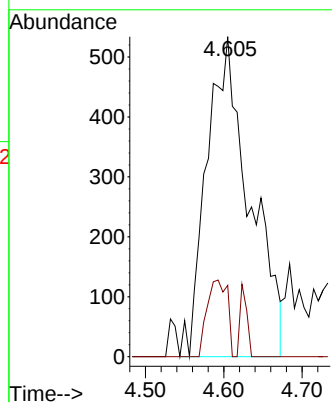
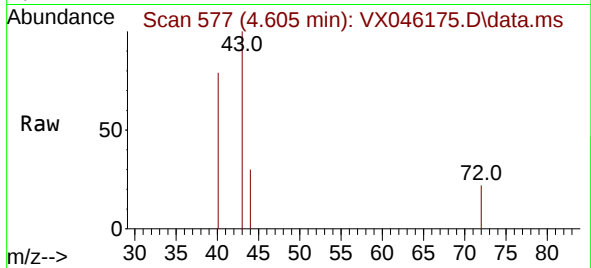




#25
2-Butanone
Concen: 2.764 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

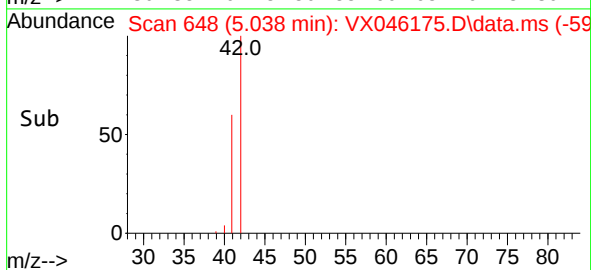
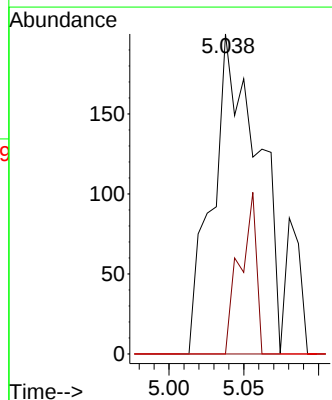
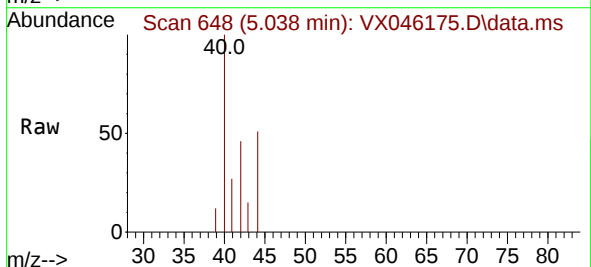
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ClientSampleId :
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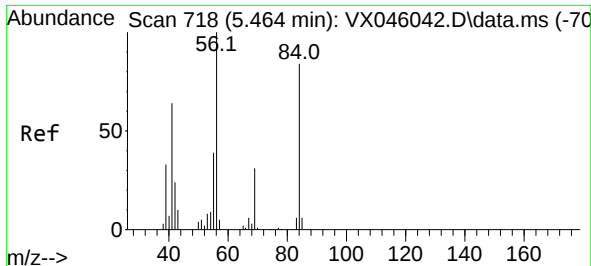
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
72 22.3 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.913 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

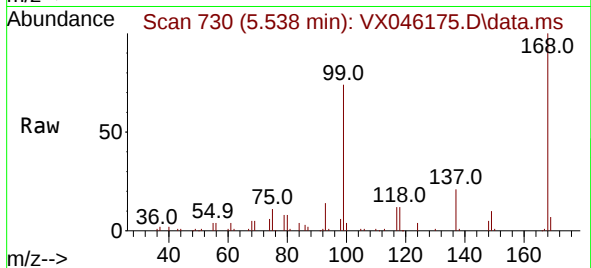
Tgt Ion: 42 Resp: 422
Ion Ratio Lower Upper
42 100
72 18.5 33.7 50.5#
71 0.0 31.4 47.2#



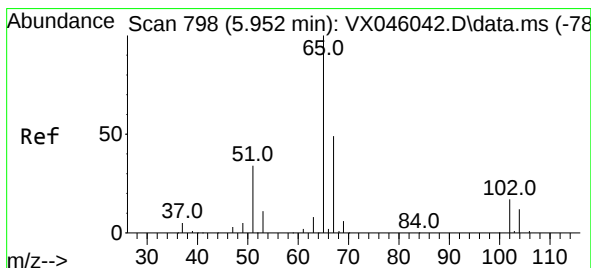
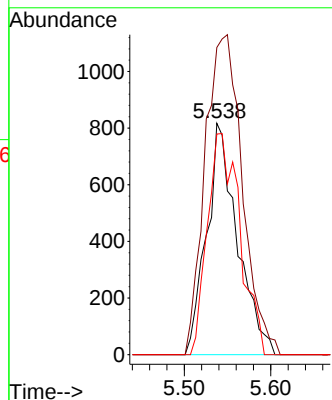
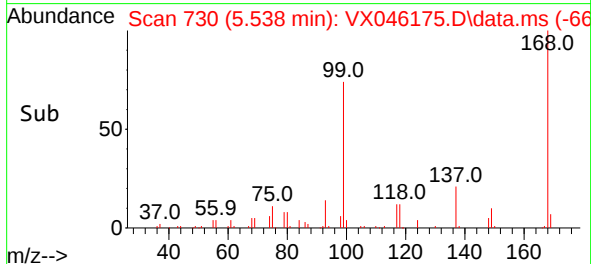


#31
Cyclohexane
Concen: 1.335 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Instrument :
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ClientSampleId :
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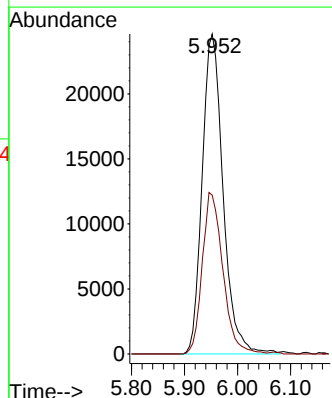
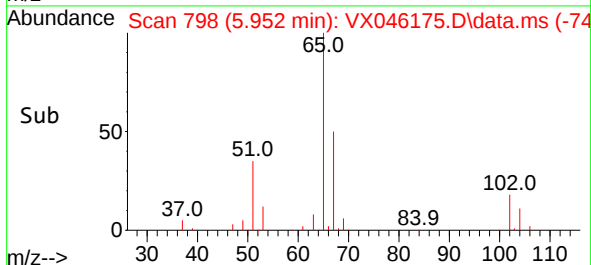
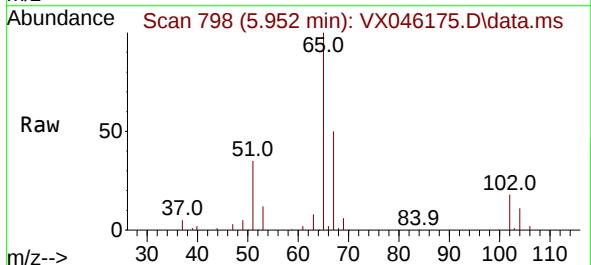


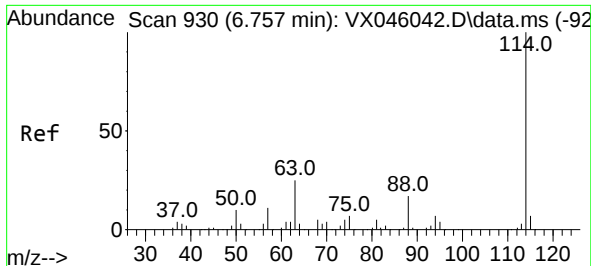
Tgt Ion: 56 Resp: 2016
Ion Ratio Lower Upper
56 100
69 132.8 24.4 36.6#
84 95.3 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.196 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 65 Resp: 67427
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

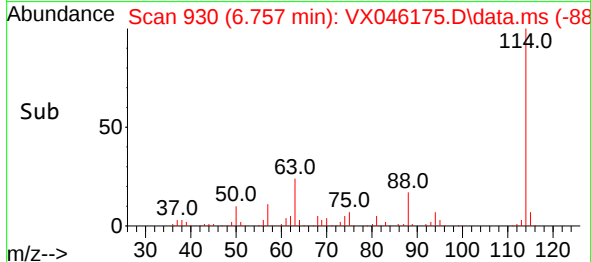
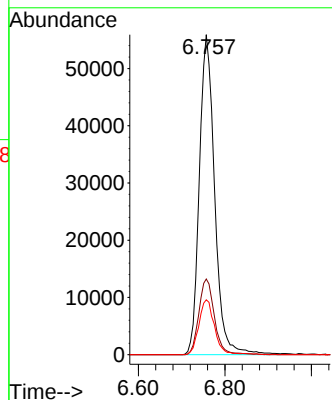
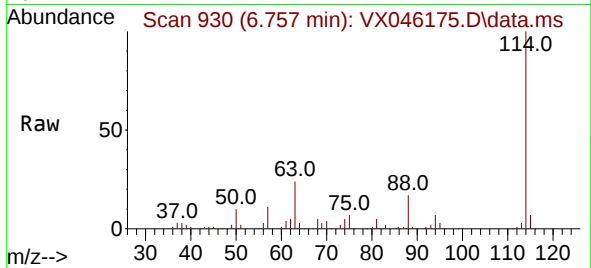




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

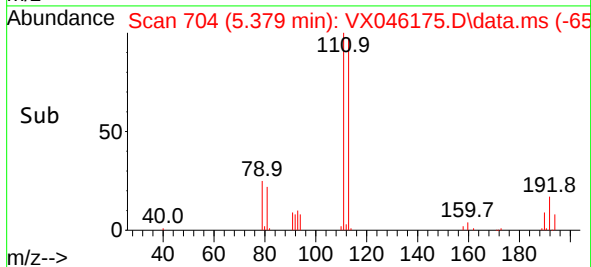
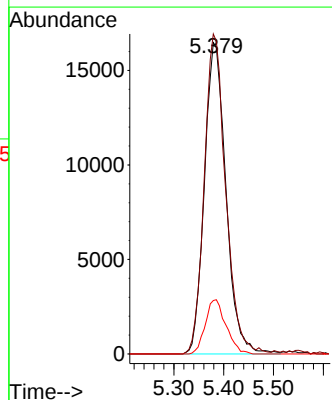
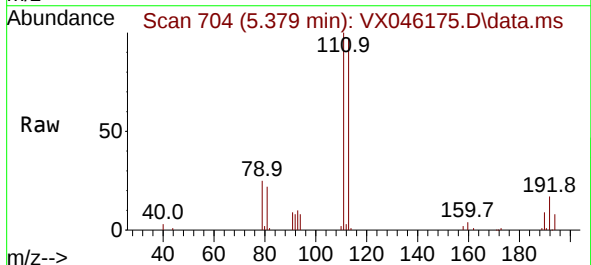
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Tgt Ion:114 Resp: 137266
Ion Ratio Lower Upper
114 100
63 23.7 0.0 49.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.052 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion:113 Resp: 49474
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 16.7 13.3 19.9

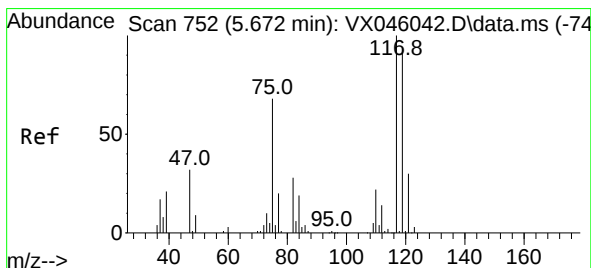
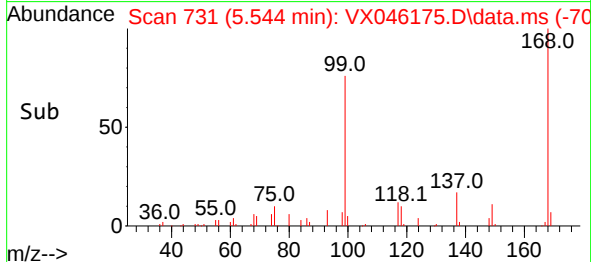
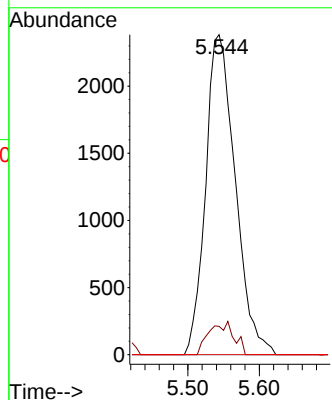
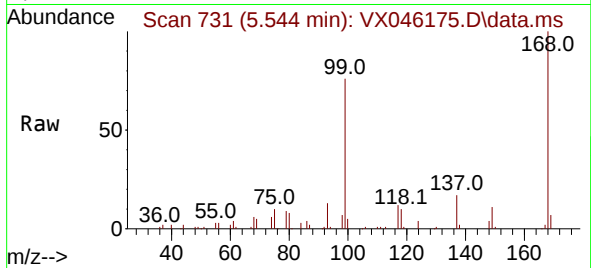




#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

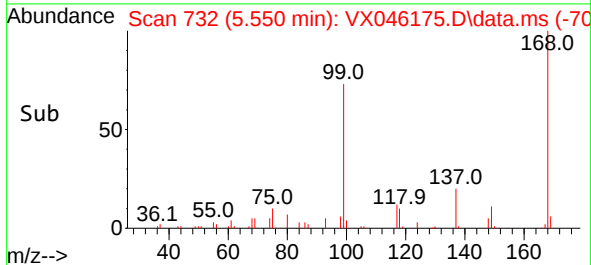
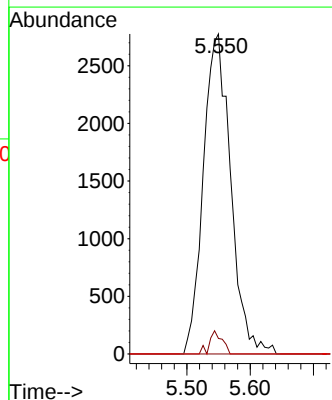
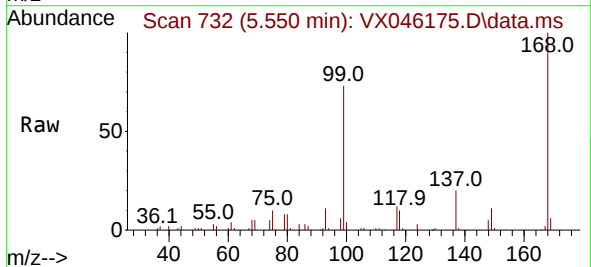
Instrument :
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Tgt Ion: 75 Resp: 6866
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 117 Resp: 8351
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#

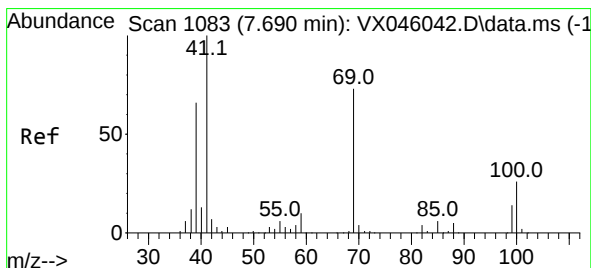
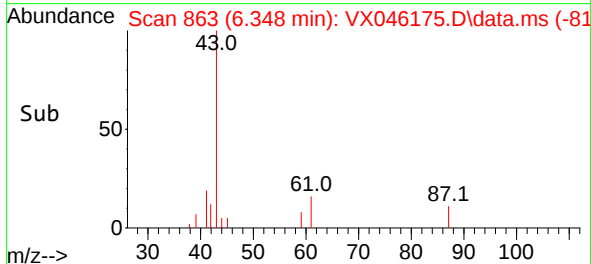
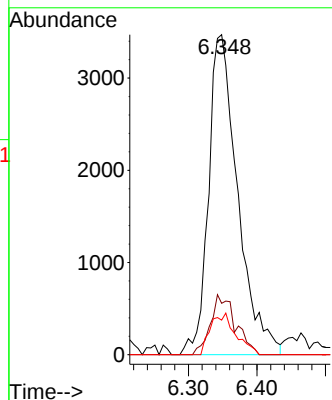
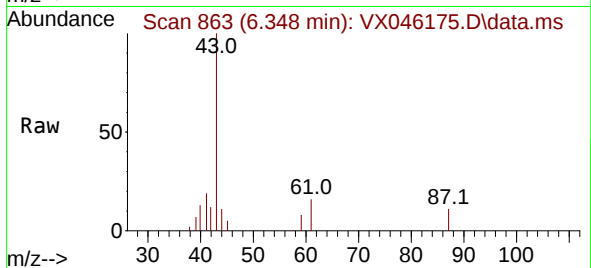




#43
Isopropyl Acetate
Concen: 4.107 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

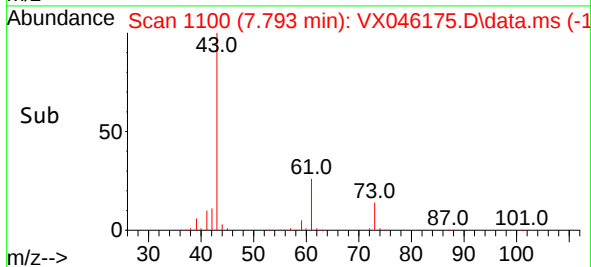
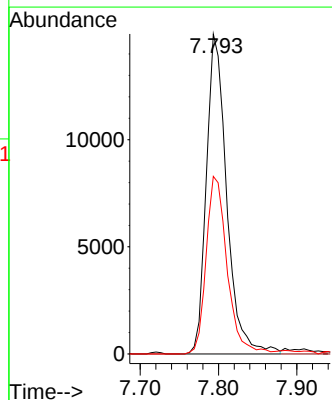
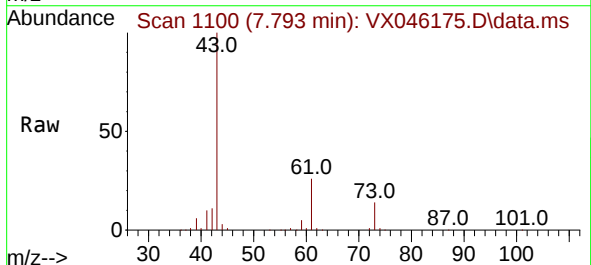
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

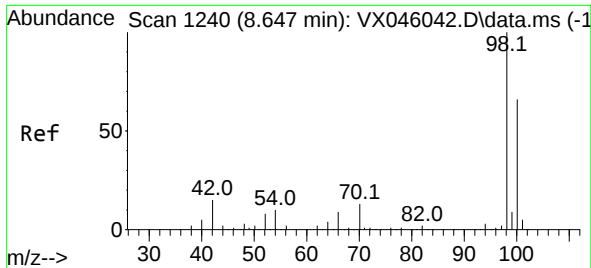
Tgt Ion: 43 Resp: 10281
Ion Ratio Lower Upper
43 100
61 16.1 14.3 21.5
87 11.2 9.5 14.3



#48
Methyl methacrylate
Concen: 21.074 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 41 Resp: 26942
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.3 51.7 77.5

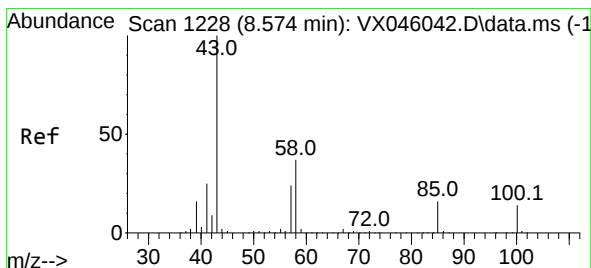
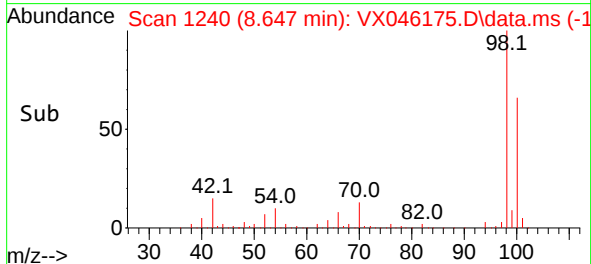
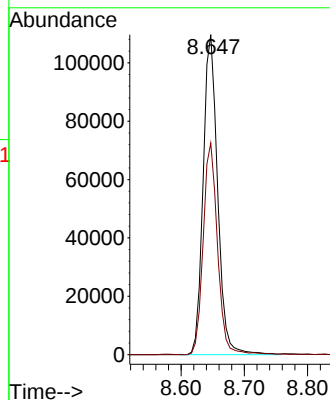
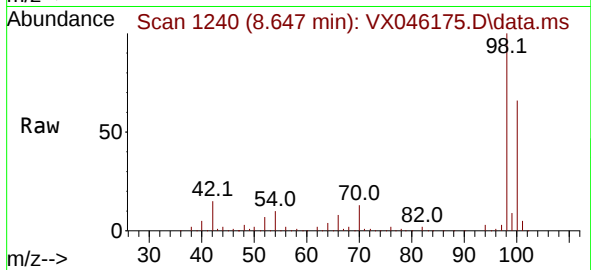




#50
Toluene-d8
Concen: 51.244 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

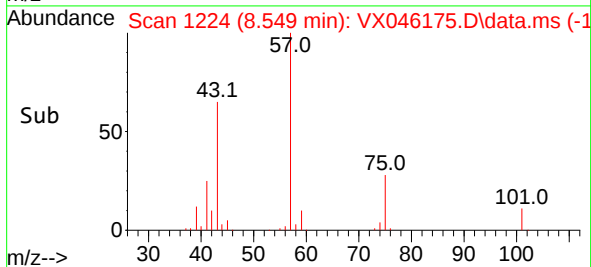
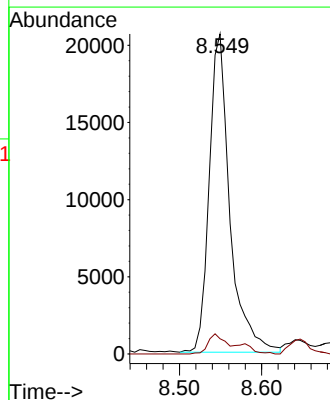
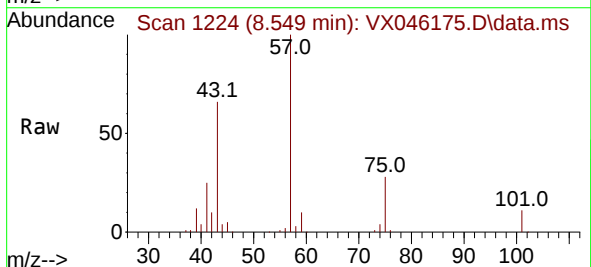
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

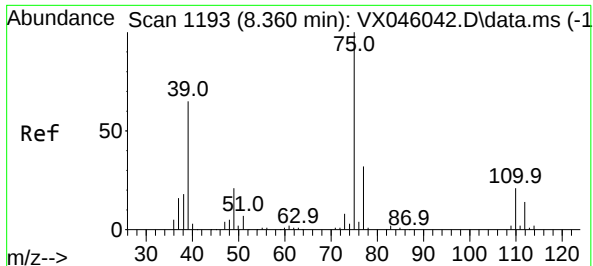
Tgt Ion: 98 Resp: 175314
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.591 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 43 Resp: 35876
Ion Ratio Lower Upper
43 100
58 5.7 28.9 43.3#

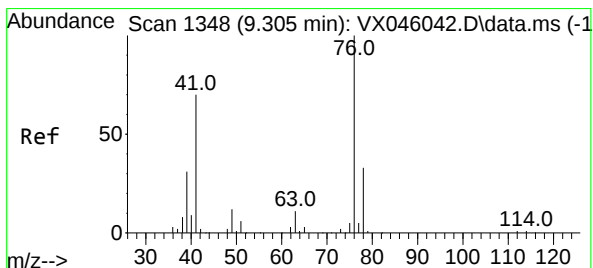
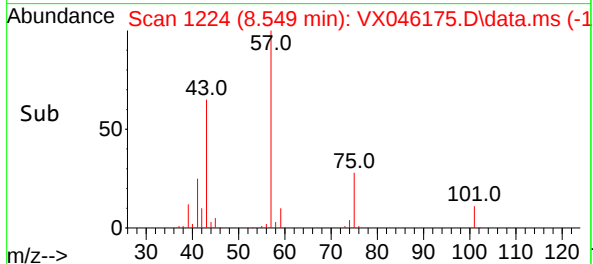
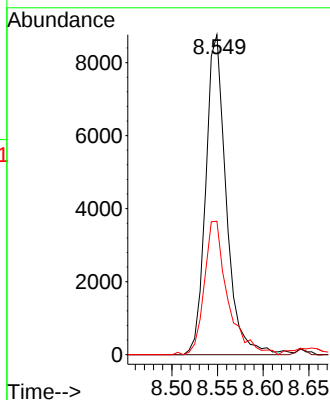
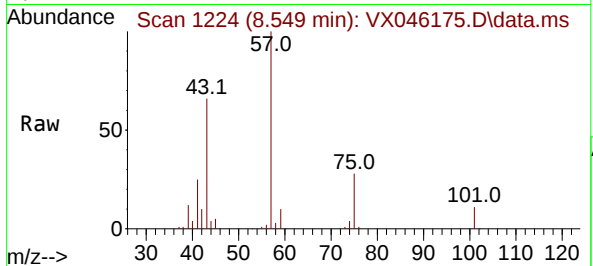




#54
 cis-1,3-Dichloropropene
 Concen: 9.214 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046175.D
 Acq: 13 May 2025 18:42

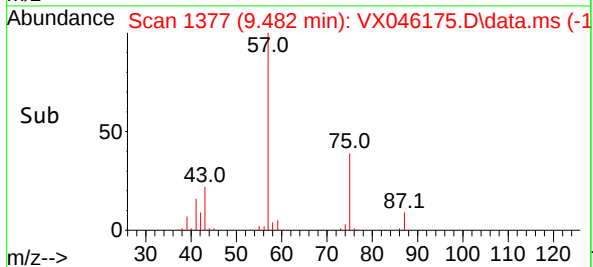
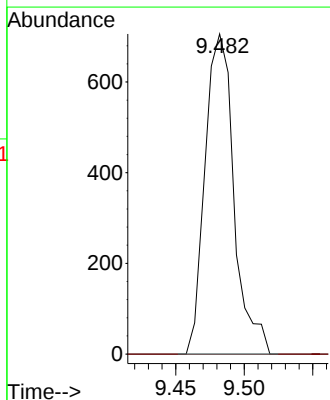
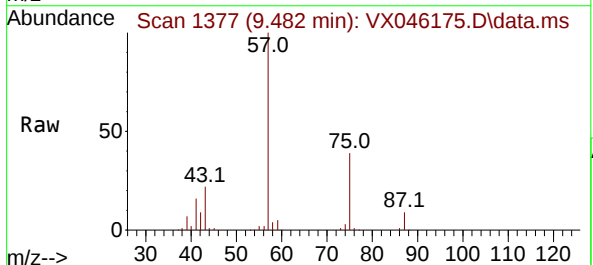
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-10

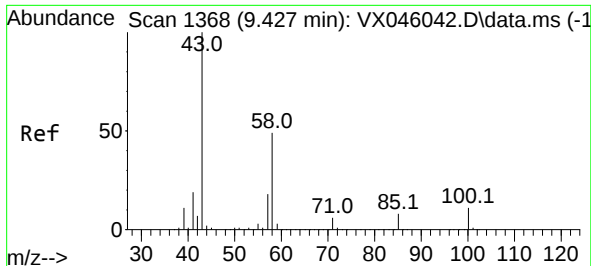
Tgt Ion: 75 Resp: 13602
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.613 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046175.D
 Acq: 13 May 2025 18:42

Tgt Ion: 76 Resp: 1036
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

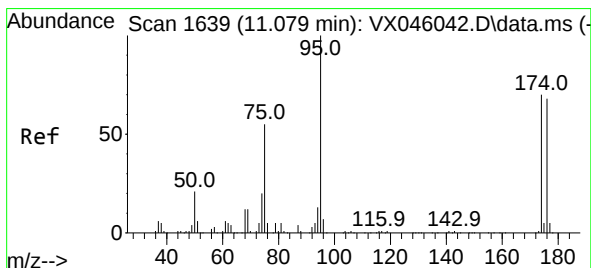
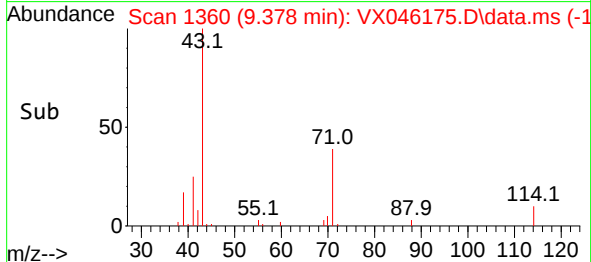
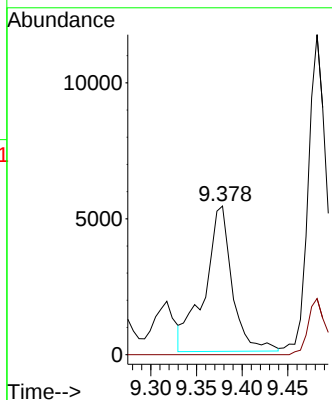
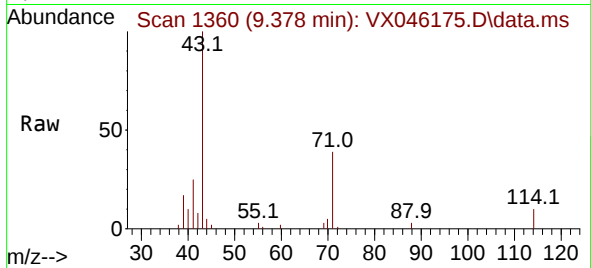




#59
2-Hexanone
Concen: 9.082 ug/l
RT: 9.378 min Scan# 11165
Delta R.T. -0.049 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

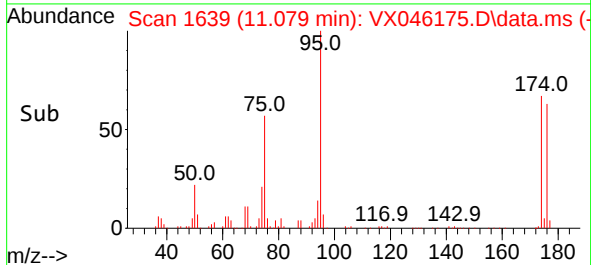
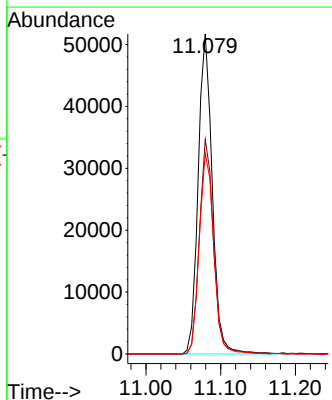
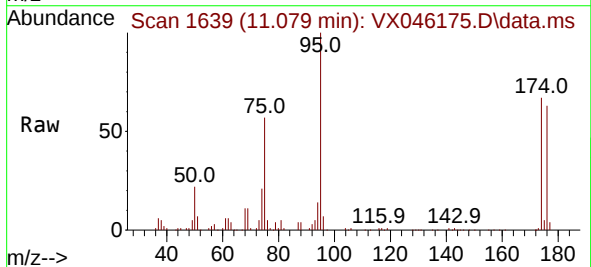
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

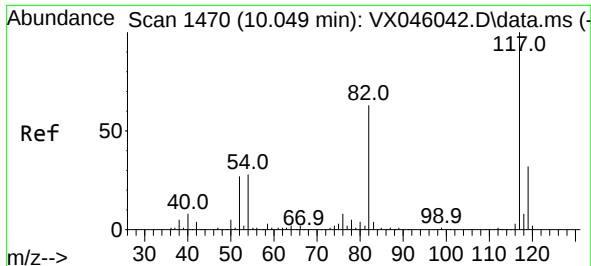
Tgt Ion: 43 Resp: 11165
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.644 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 95 Resp: 67774
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.8 0.0 131.4

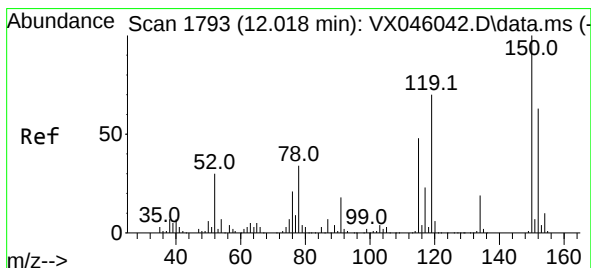
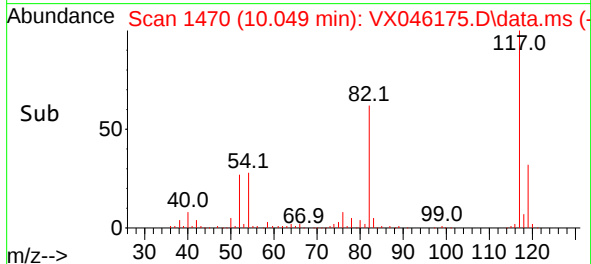
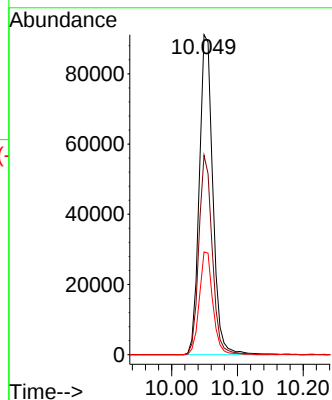
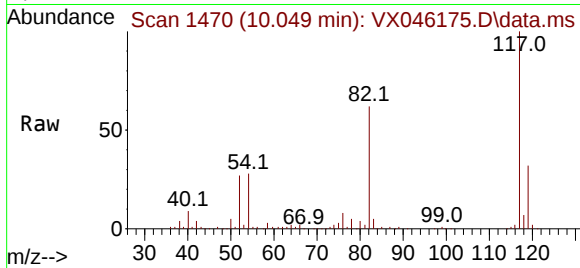




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

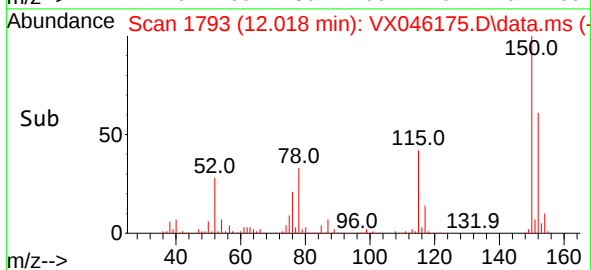
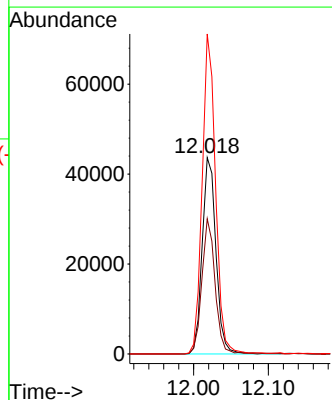
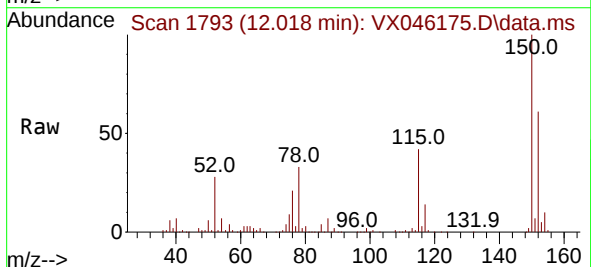
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

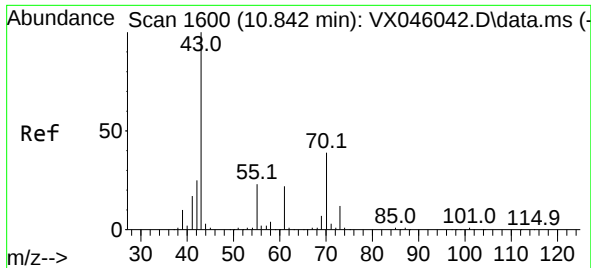
Tgt Ion:117 Resp: 130638
Ion Ratio Lower Upper
117 100
82 62.3 50.6 76.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion:152 Resp: 56026
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 157.8 0.0 351.0

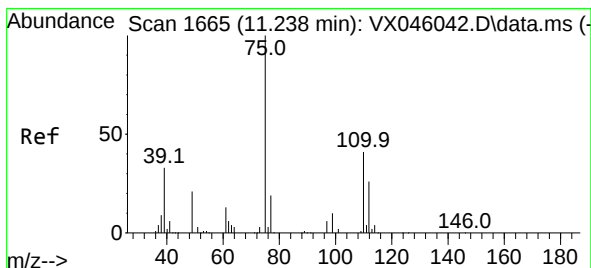
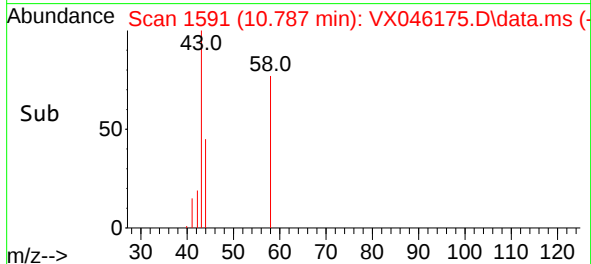
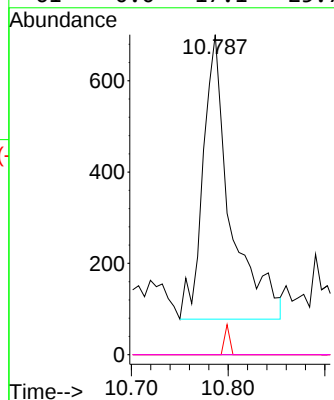
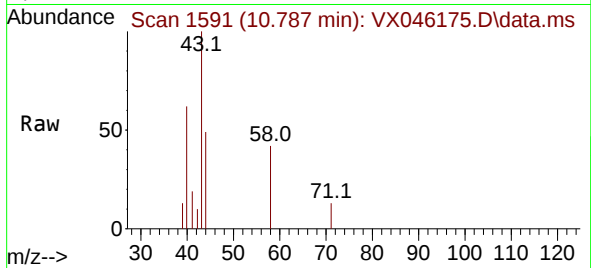




#74
N-amy1 acetate
Concen: 0.571 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

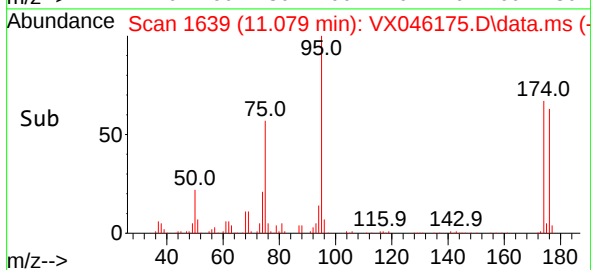
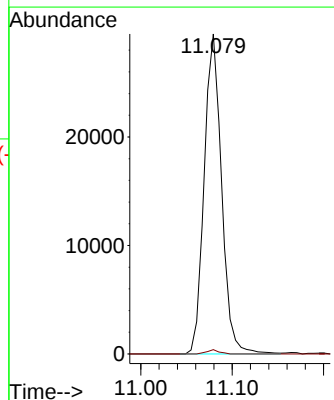
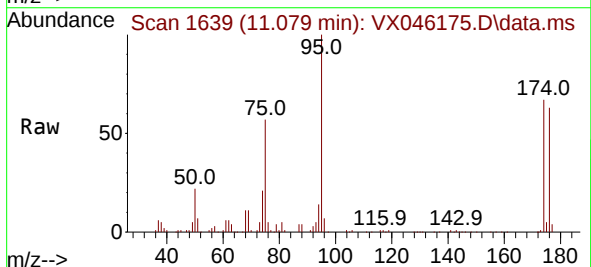
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

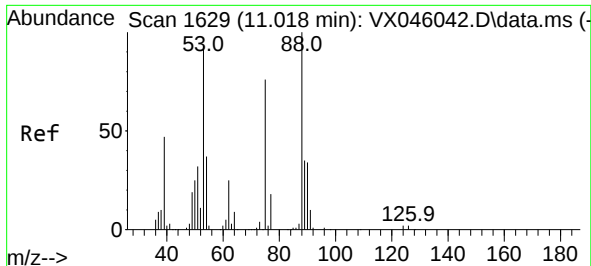
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 2.0 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 28.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 75 Resp: 38997
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#

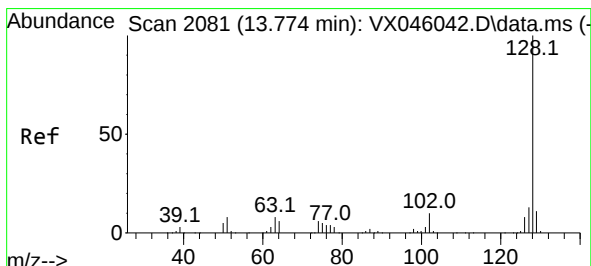
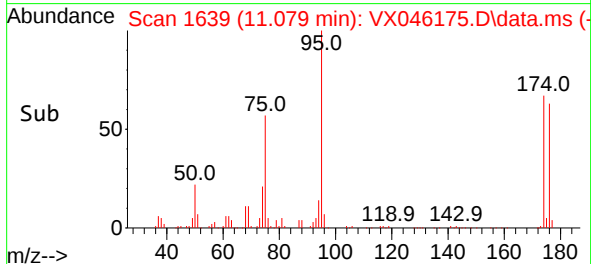
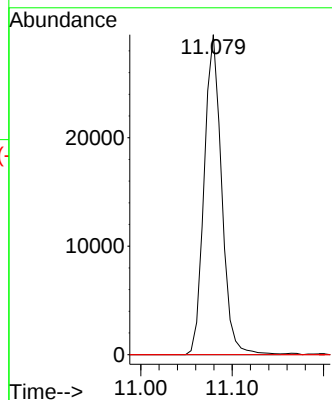
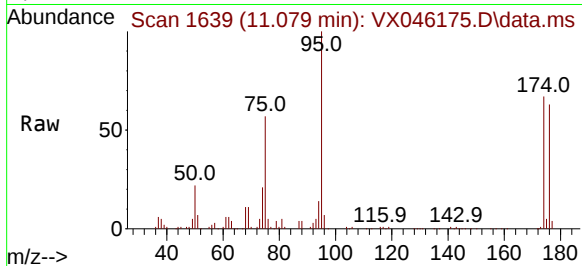




#81
trans-1,4-Dichloro-2-butene
Concen: 94.145 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-10

Tgt Ion: 75 Resp: 38997
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.495 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046175.D
Acq: 13 May 2025 18:42

Tgt Ion: 128 Resp: 5841
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 9.8 8.6 13.0

