

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046134.D
 Acq On : 12 May 2025 13:36
 Operator : JC/MD
 Sample : Q1983-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-04

Quant Time: May 13 03:17:43 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)

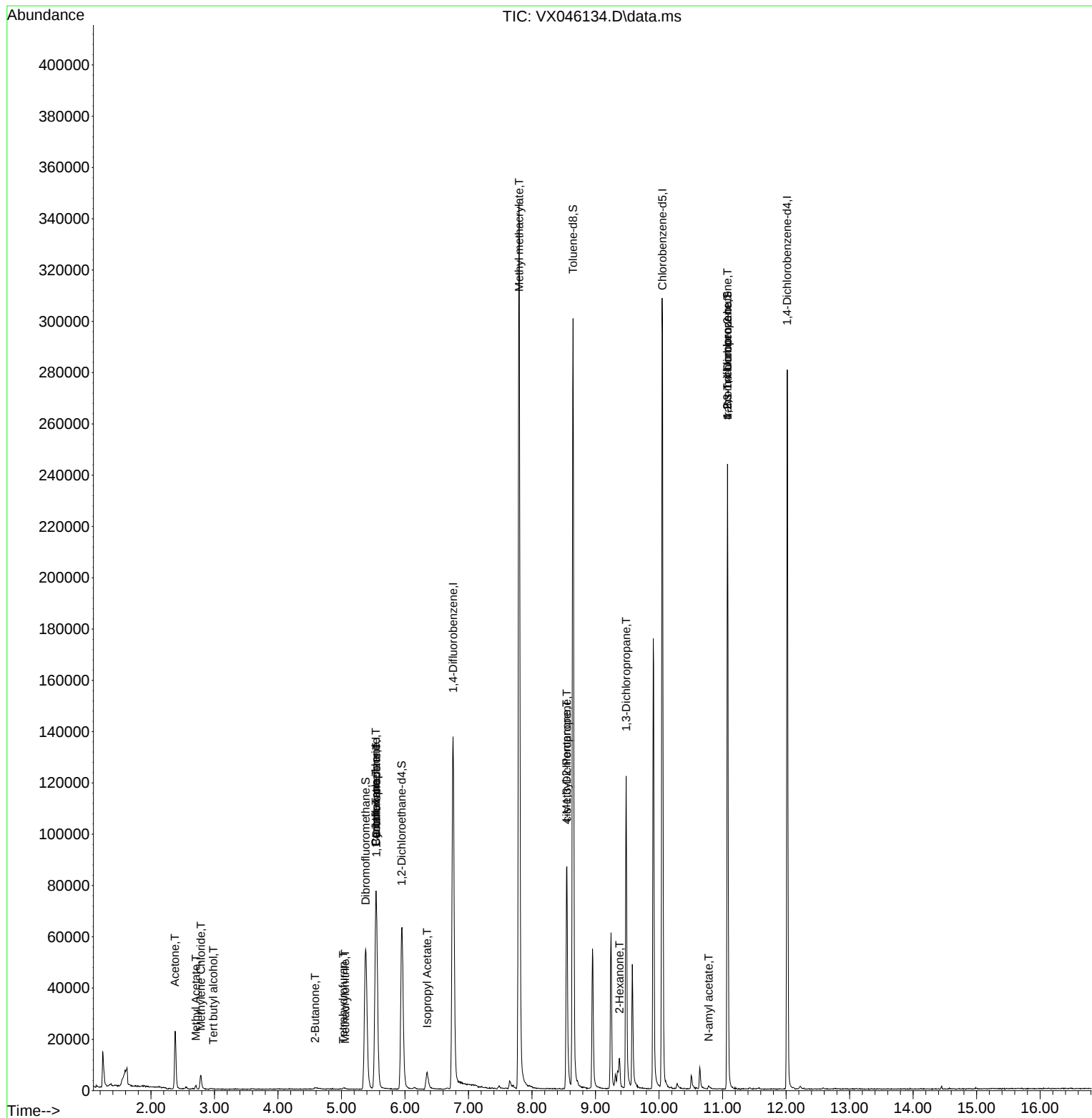
Internal Standards						
1) Pentafluorobenzene	5.544	168	65798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131928	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65760	53.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	5.379	113	48818	51.386	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	8.647	98	170129	51.740	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	11.079	95	64187	50.890	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	312	1.812	ug/l #	72
16) Acetone	2.380	43	25046	50.923	ug/l	97
18) Methyl Acetate	2.709	43	1850	1.621	ug/l #	84
20) Methylene Chloride	2.788	84	2601	2.760	ug/l #	80
25) 2-Butanone	4.587	43	766	1.073	ug/l #	83
29) Tetrahydrofuran	5.026	42	271	0.606	ug/l #	52
31) Cyclohexane	5.544	56	2043	1.398	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	6456	5.058	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8232	5.740	ug/l #	17
41) Methacrylonitrile	5.056	41	293	0.355	ug/l #	25
43) Isopropyl Acetate	6.348	43	10086	4.192	ug/l	96
48) Methyl methacrylate	7.799	41	34807	28.328	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	34385	21.531	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	13150	9.269	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	966	0.595	ug/l #	42
59) 2-Hexanone	9.378	43	11029	9.335	ug/l #	28
74) N-amyl acetate	10.781	43	993	0.498	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35802	28.723	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35802	93.512	ug/l #	1

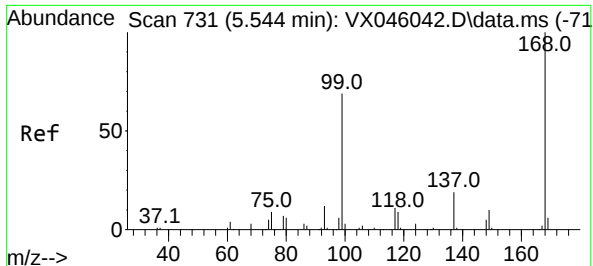
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046134.D
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Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

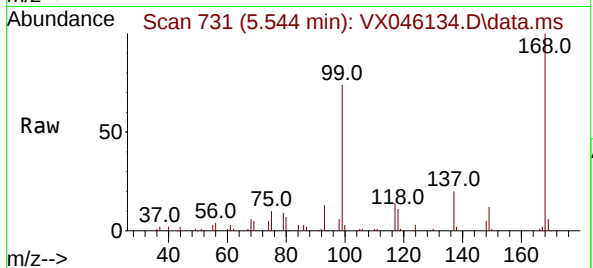
Quant Time: May 13 03:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



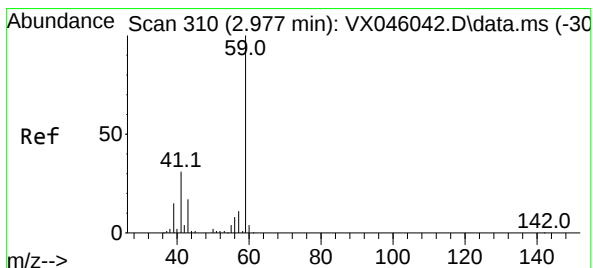
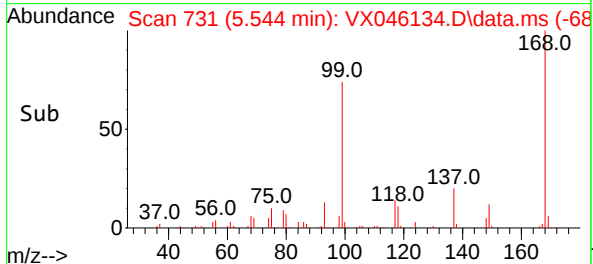
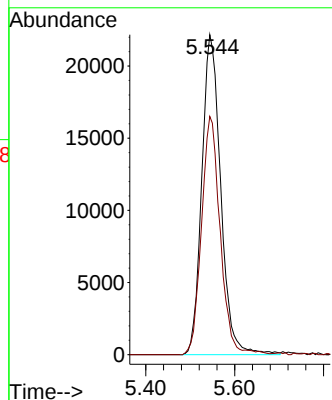


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

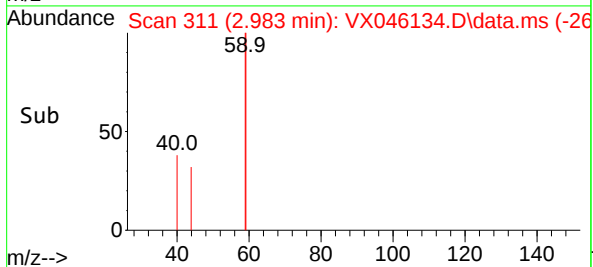
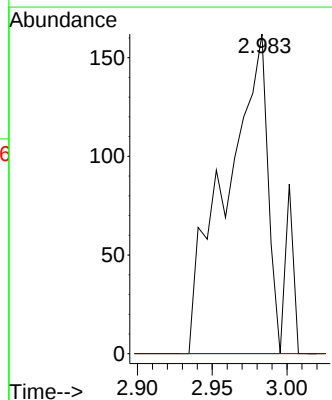
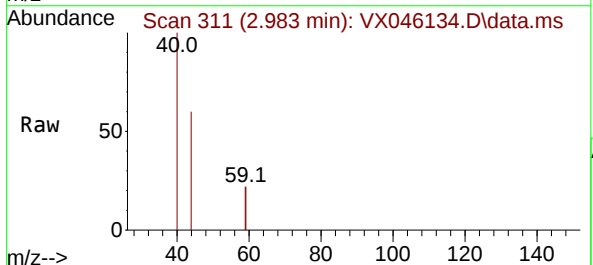


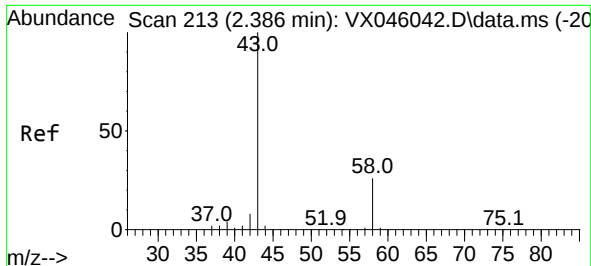
Tgt Ion:168 Resp: 65798
Ion Ratio Lower Upper
168 100
99 74.5 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.812 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 50.923 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX046134.D

Acq: 12 May 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

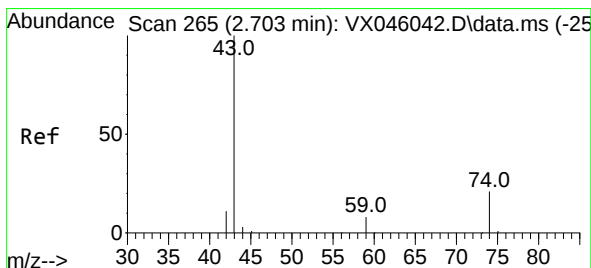
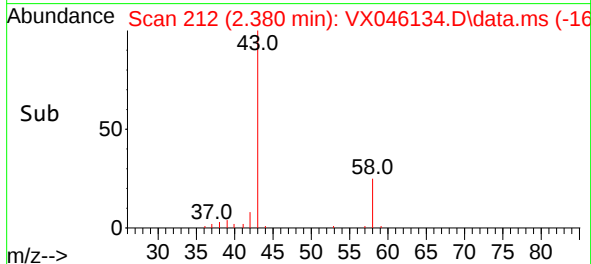
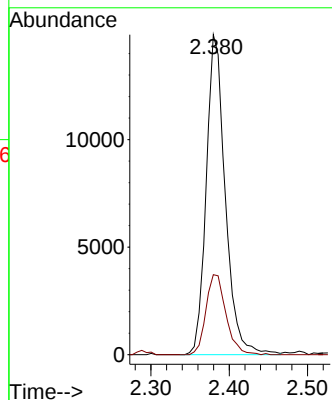
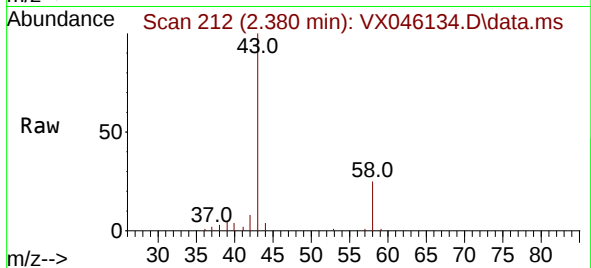
OR-636-COMP-04

Tgt Ion: 43 Resp: 25046

Ion Ratio Lower Upper

43 100

58 25.0 21.2 31.8



#18

Methyl Acetate

Concen: 1.621 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX046134.D

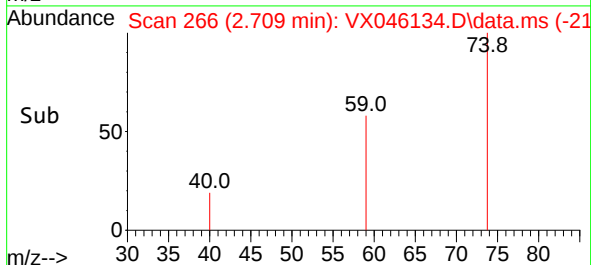
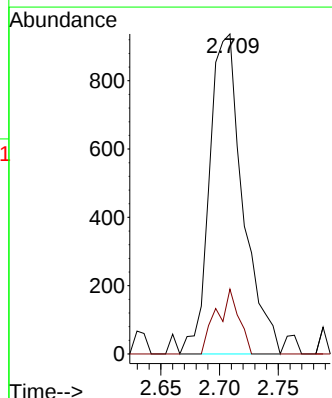
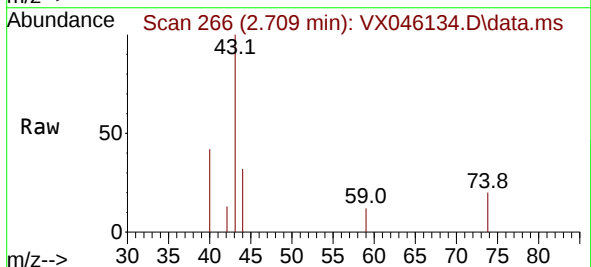
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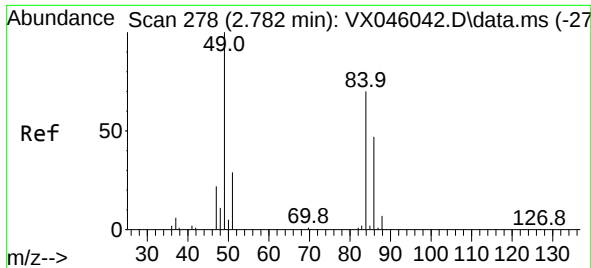
Tgt Ion: 43 Resp: 1850

Ion Ratio Lower Upper

43 100

74 13.6 16.7 25.1#

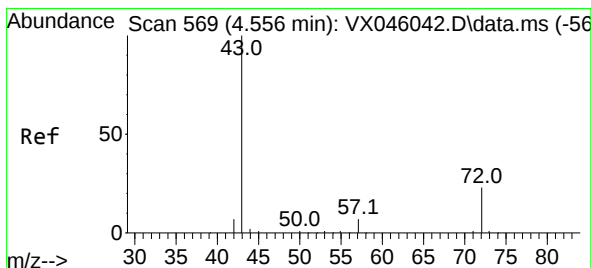
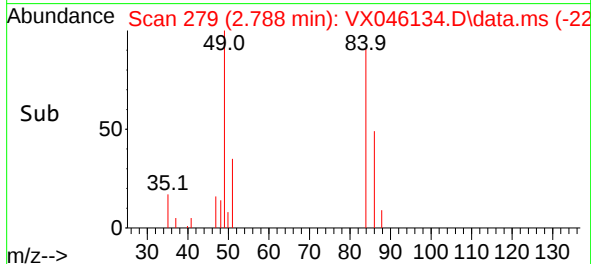
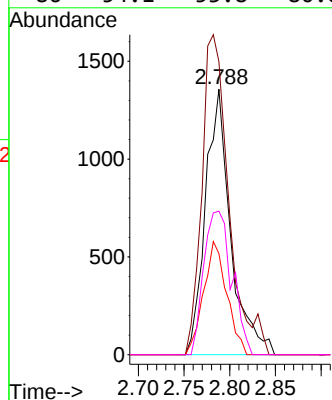
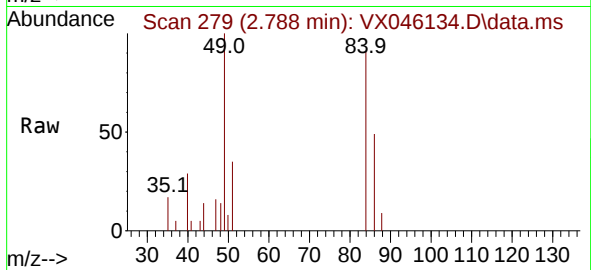




#20
Methylene Chloride
Concen: 2.760 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

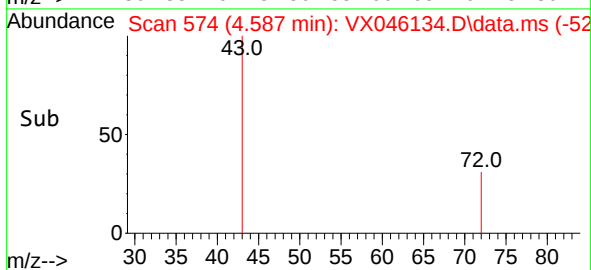
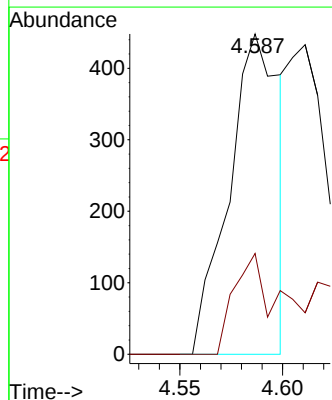
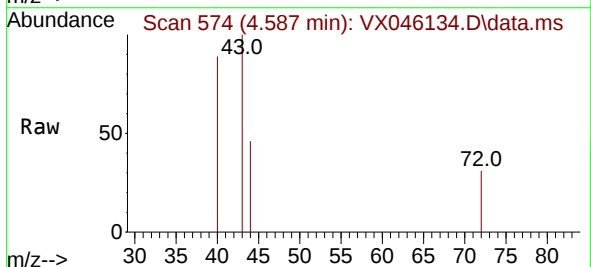
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

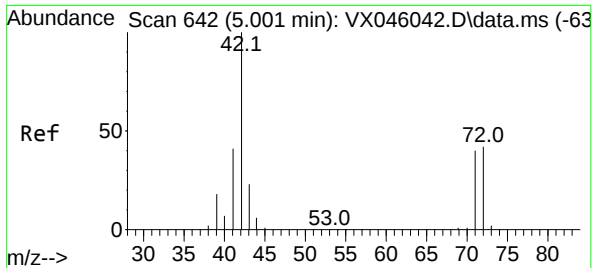
Tgt Ion: 84 Resp: 2601
Ion Ratio Lower Upper
84 100
49 110.4 113.9 170.9#
51 38.1 33.5 50.3
86 54.1 53.8 80.8



#25
2-Butanone
Concen: 1.073 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
72 31.5 18.4 27.6#





#29

Tetrahydrofuran

Concen: 0.606 ug/l

RT: 5.026 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX046134.D

Acq: 12 May 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-04

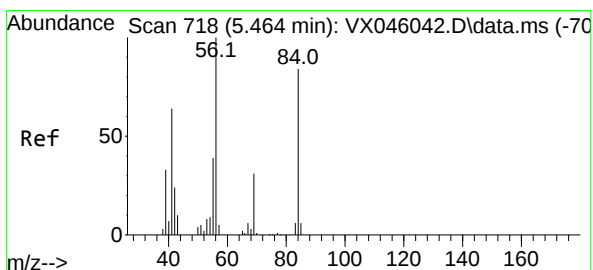
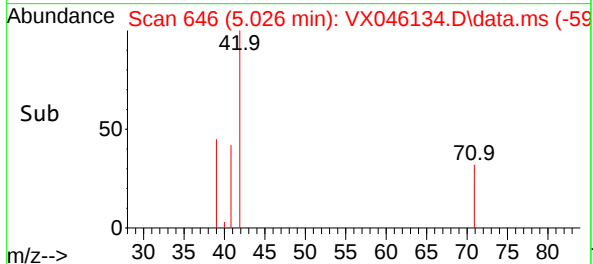
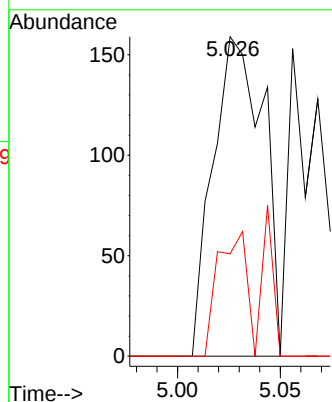
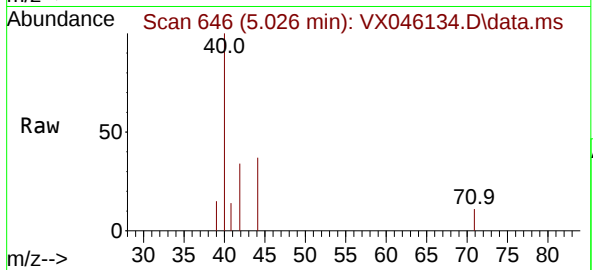
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 22.1 31.4 47.2#



#31

Cyclohexane

Concen: 1.398 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046134.D

Acq: 12 May 2025 13:36

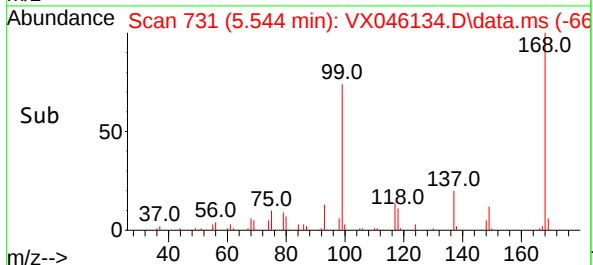
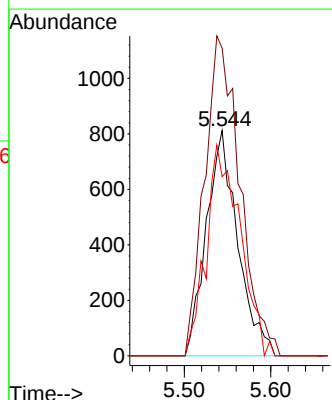
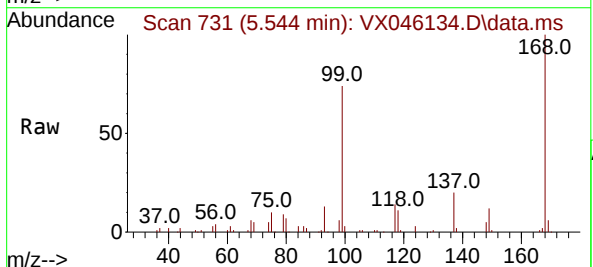
Tgt Ion: 56 Resp: 2043

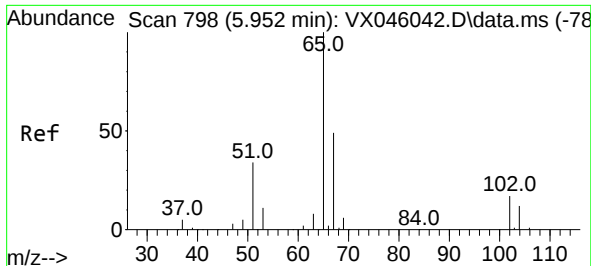
Ion Ratio Lower Upper

56 100

69 136.6 24.4 36.6#

84 79.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.608 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046134.D

Acq: 12 May 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

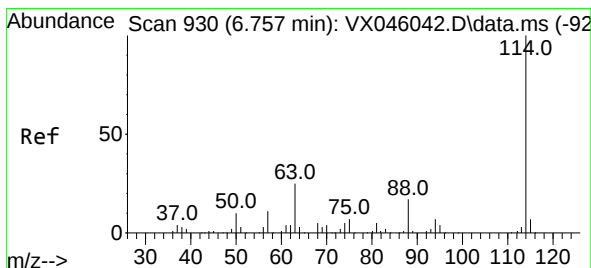
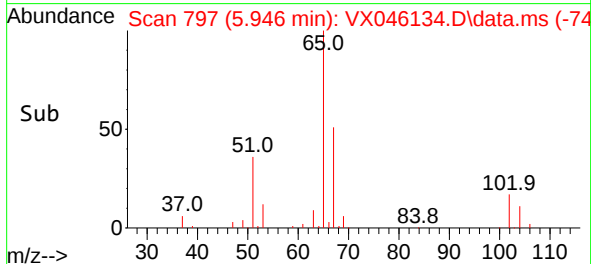
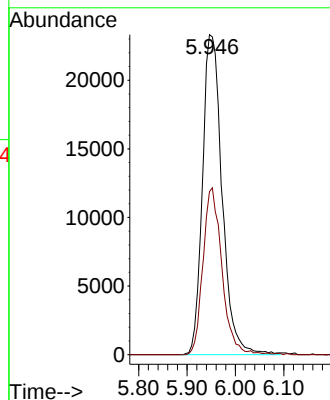
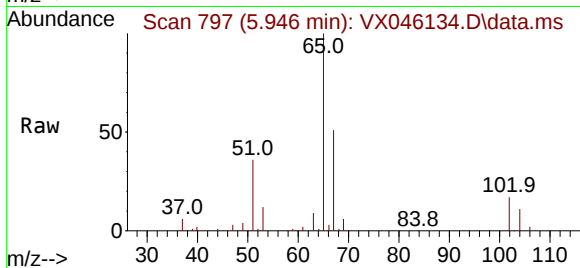
OR-636-COMP-04

Tgt Ion: 65 Resp: 65760

Ion Ratio Lower Upper

65 100

67 50.4 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: VX046134.D

Acq: 12 May 2025 13:36

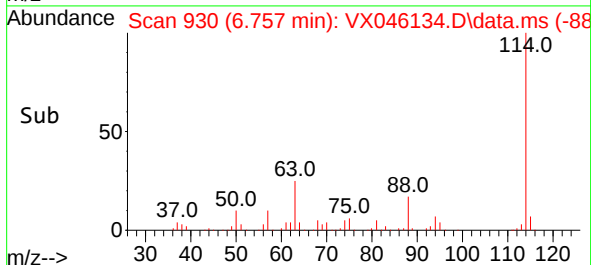
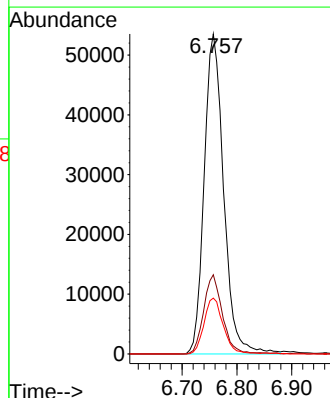
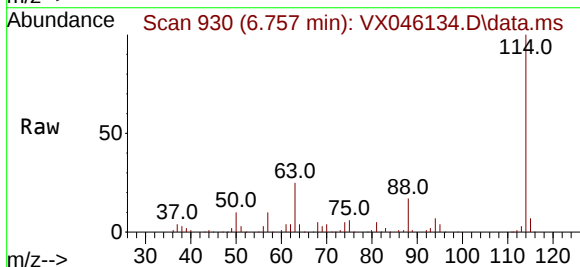
Tgt Ion: 114 Resp: 131928

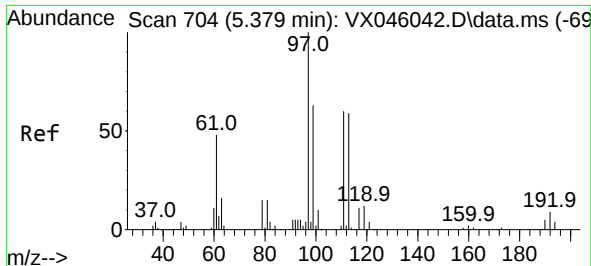
Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 17.5 0.0 33.6

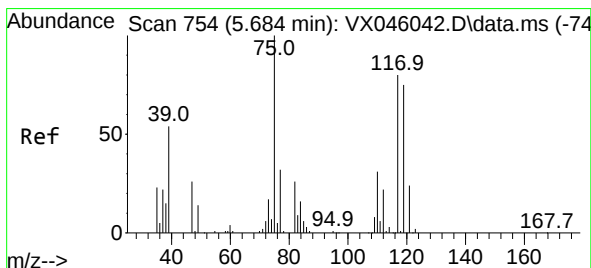
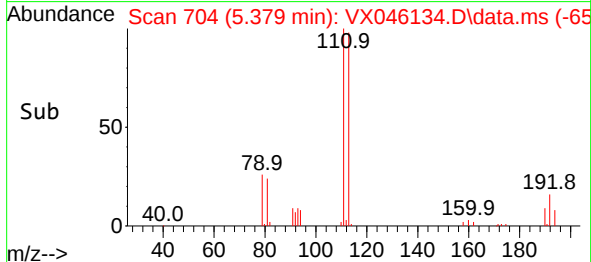
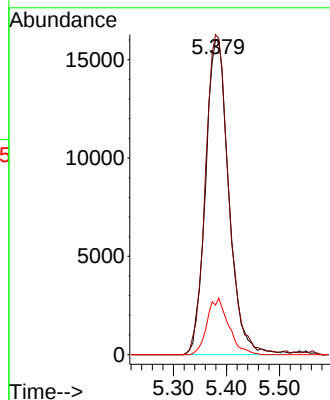
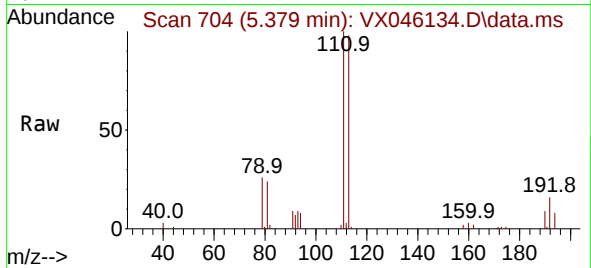




#35
Dibromofluoromethane
Concen: 51.386 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

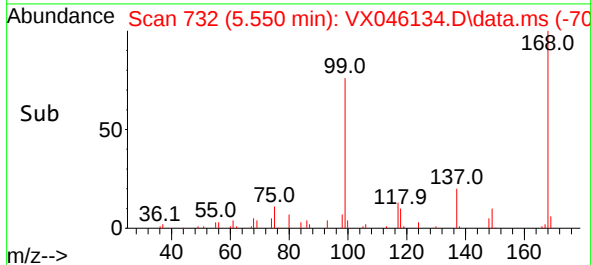
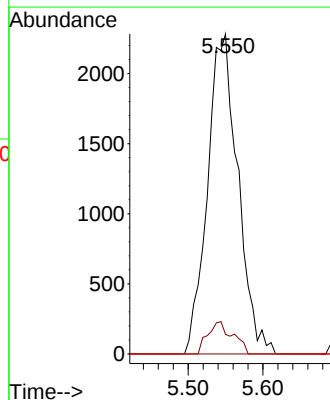
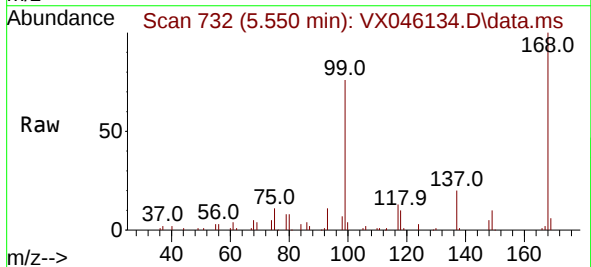
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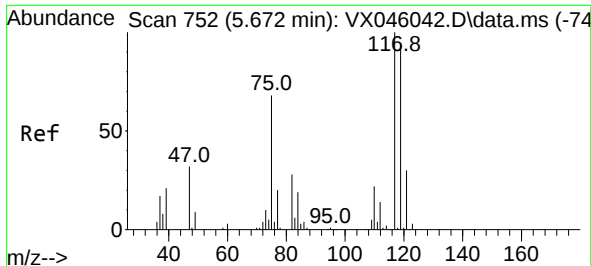
Tgt Ion:113 Resp: 48818
Ion Ratio Lower Upper
113 100
111 101.5 83.1 124.7
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

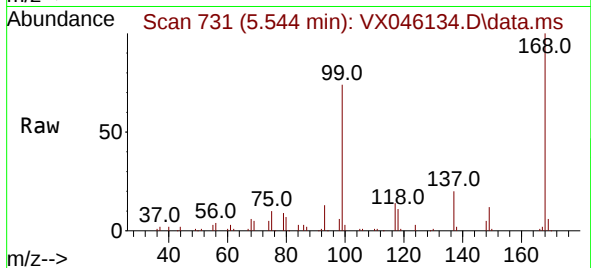
Tgt Ion: 75 Resp: 6456
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



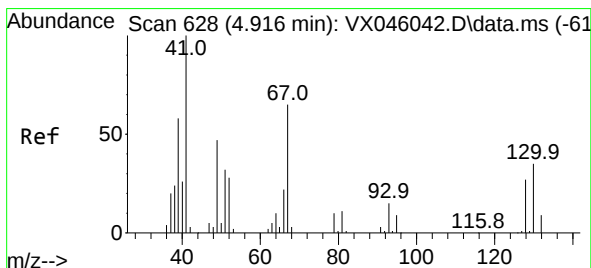
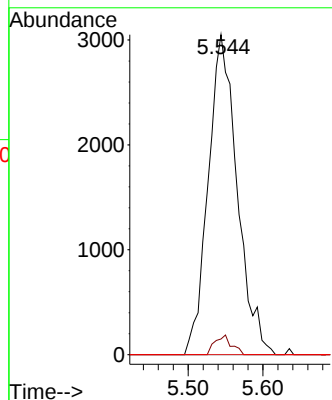
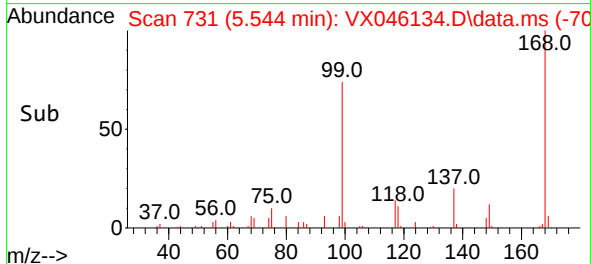


#38
Carbon Tetrachloride
Concen: 5.740 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

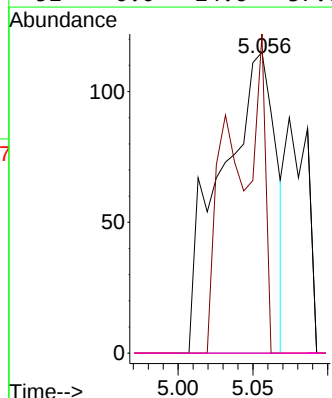
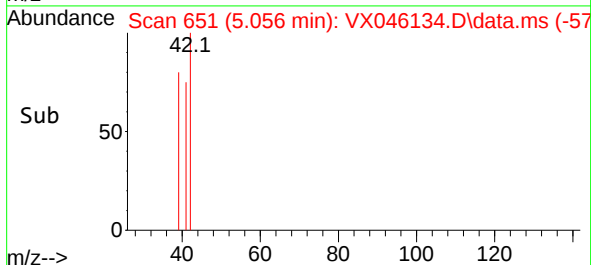
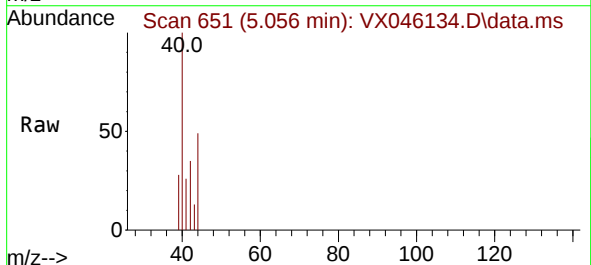


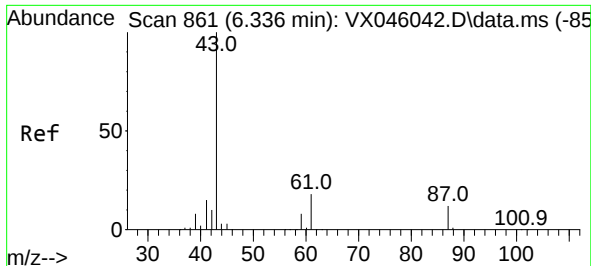
Tgt Ion:117 Resp: 8232
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.355 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.140 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 41 Resp: 293
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#

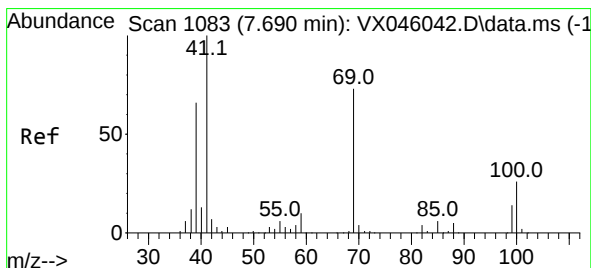
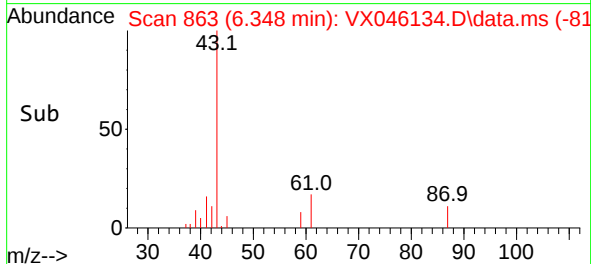
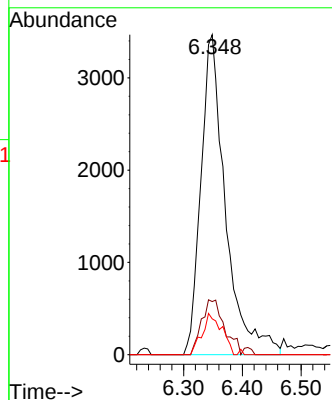
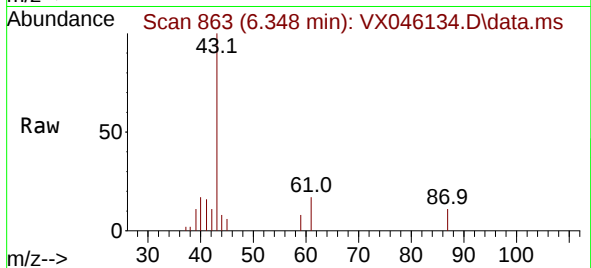




#43
Isopropyl Acetate
Concen: 4.192 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

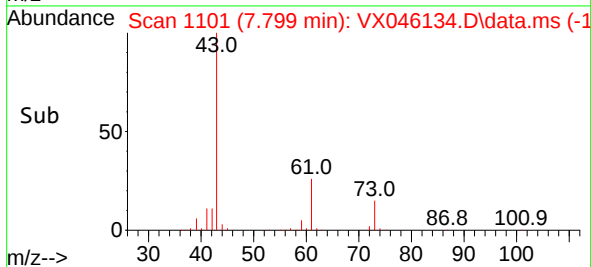
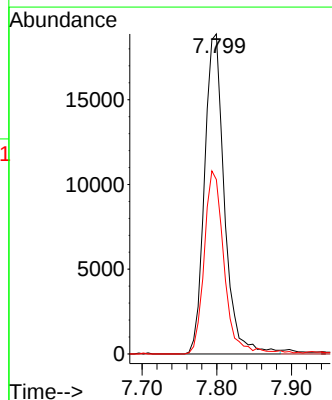
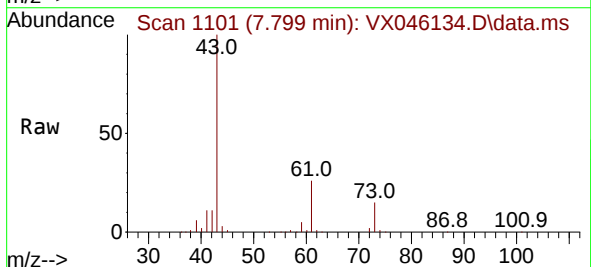
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

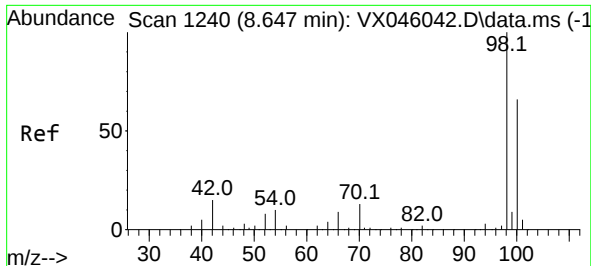
Tgt Ion: 43 Resp: 10086
Ion Ratio Lower Upper
43 100
61 16.2 14.3 21.5
87 10.3 9.5 14.3



#48
Methyl methacrylate
Concen: 28.328 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 41 Resp: 34807
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.9 51.7 77.5

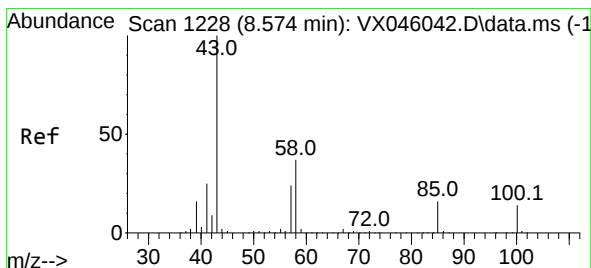
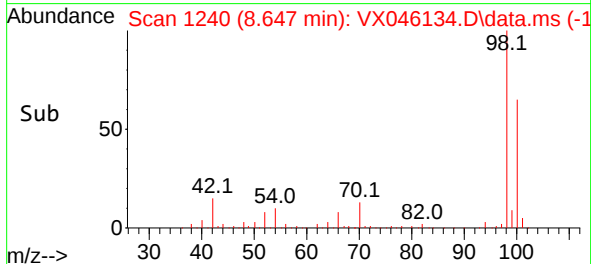
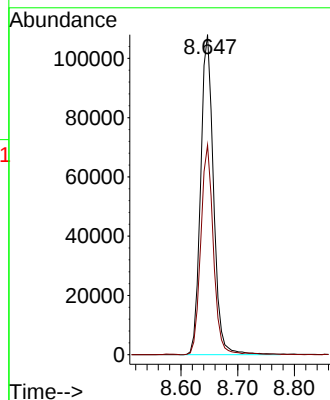
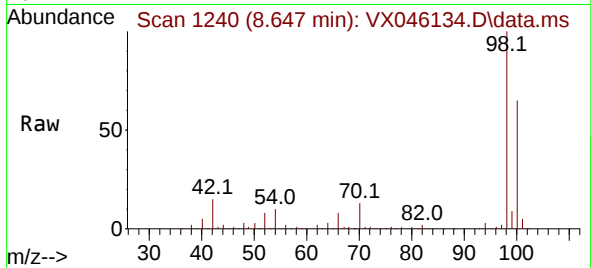




#50
Toluene-d8
Concen: 51.740 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

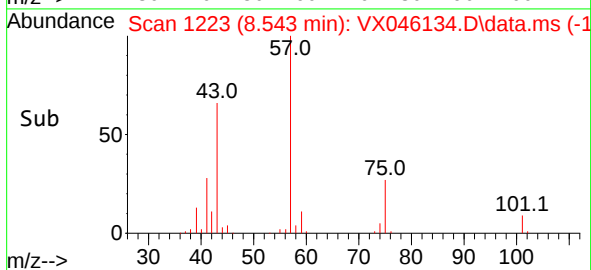
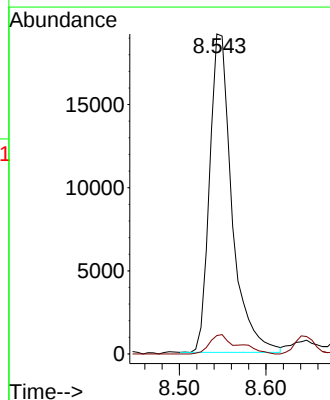
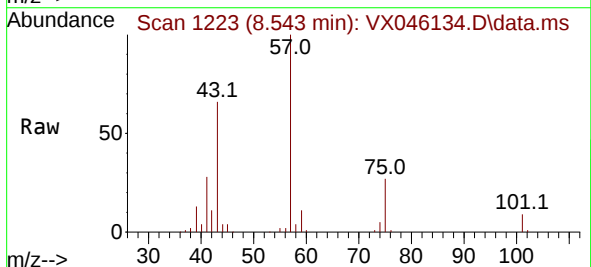
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

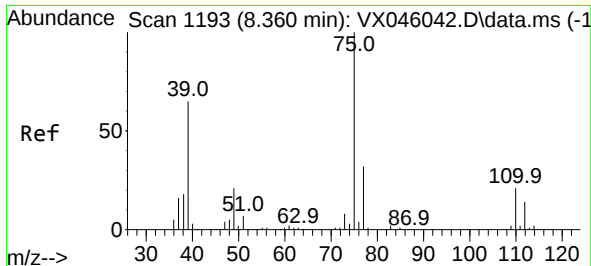
Tgt Ion: 98 Resp: 170129
Ion Ratio Lower Upper
98 100
100 63.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.531 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 43 Resp: 34385
Ion Ratio Lower Upper
43 100
58 7.7 28.9 43.3#

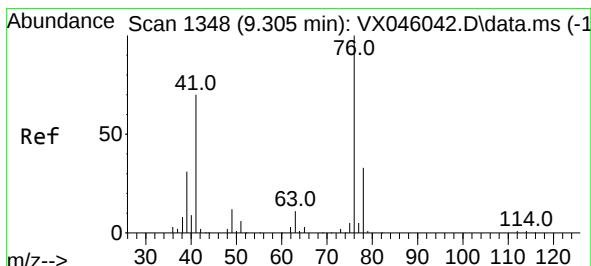
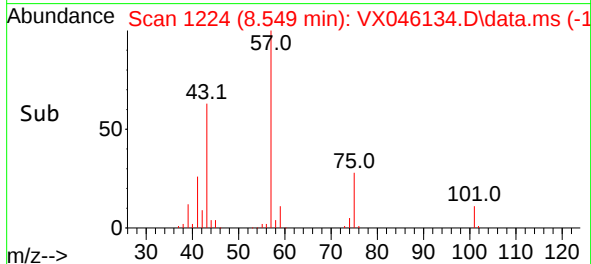
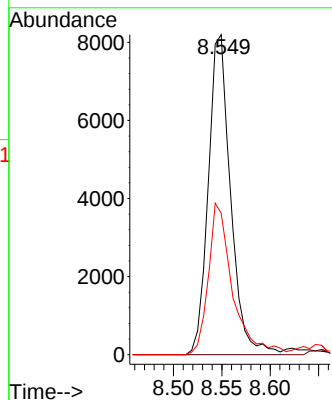
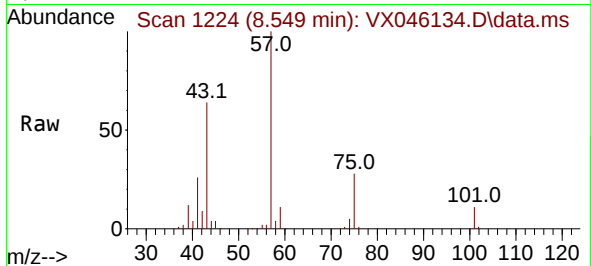




#54
 cis-1,3-Dichloropropene
 Concen: 9.269 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046134.D
 Acq: 12 May 2025 13:36

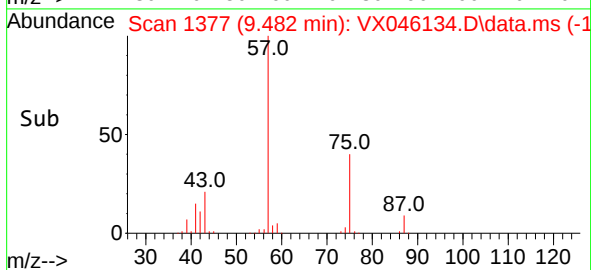
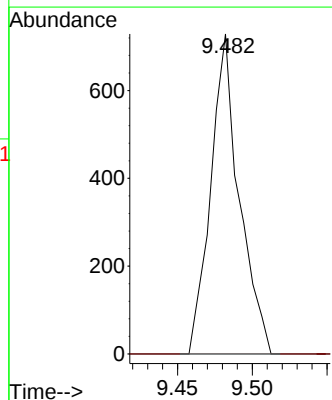
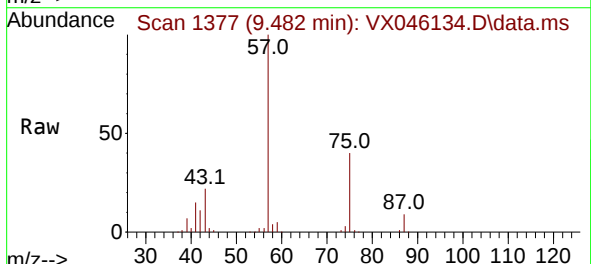
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-04

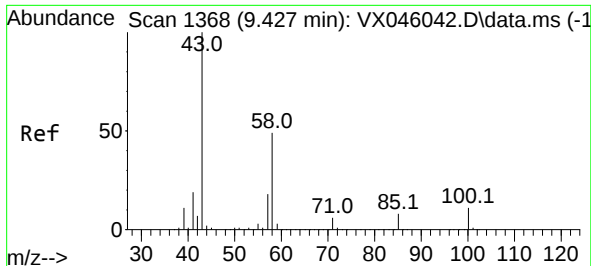
Tgt Ion: 75 Resp: 13150
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 44.2 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.595 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046134.D
 Acq: 12 May 2025 13:36

Tgt Ion: 76 Resp: 966
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

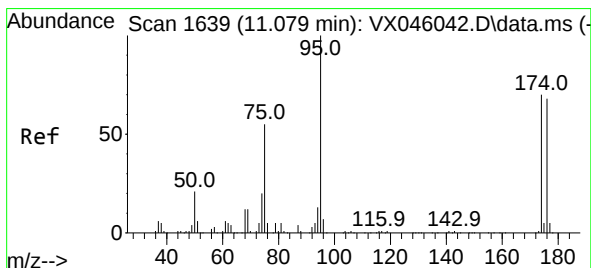
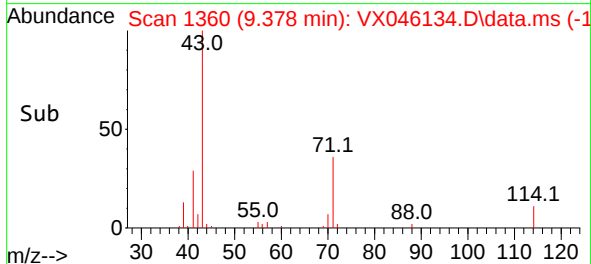
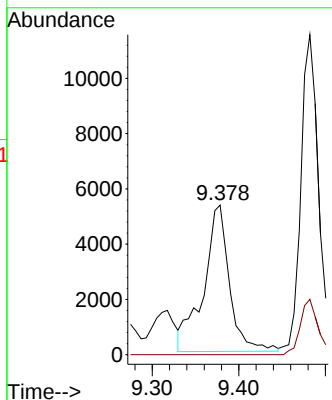
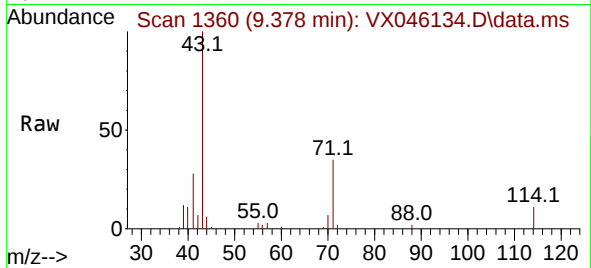




#59
2-Hexanone
Concen: 9.335 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

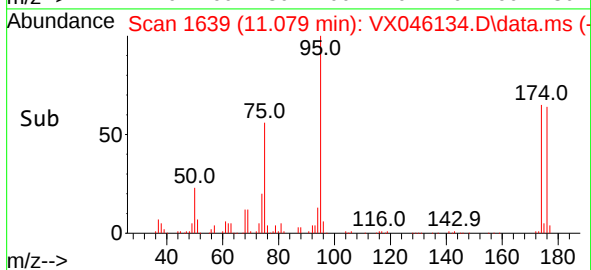
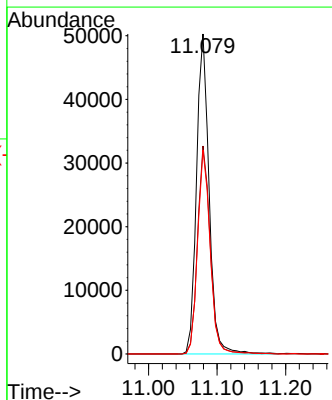
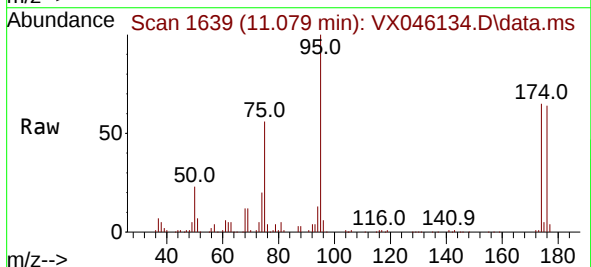
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

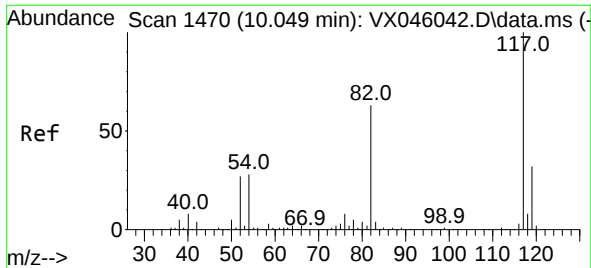
Tgt Ion: 43 Resp: 11029
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion: 95 Resp: 64187
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.8
176 63.7 0.0 131.4

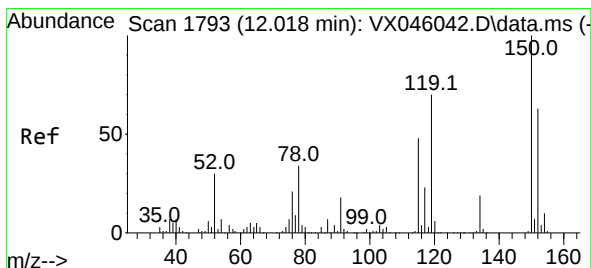
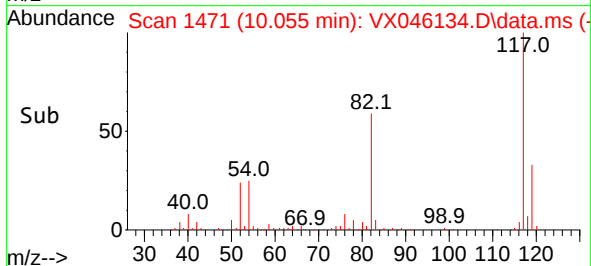
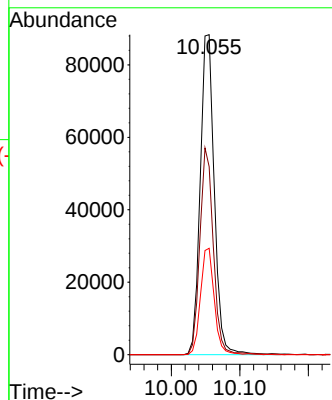
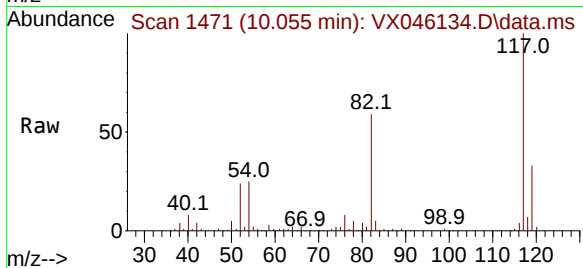




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

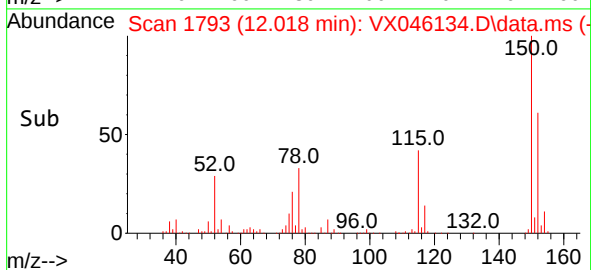
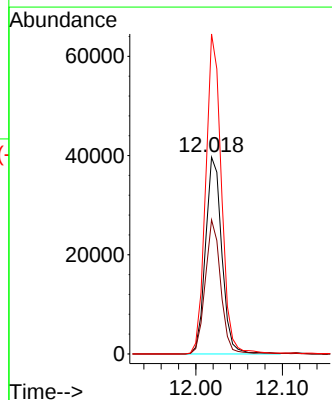
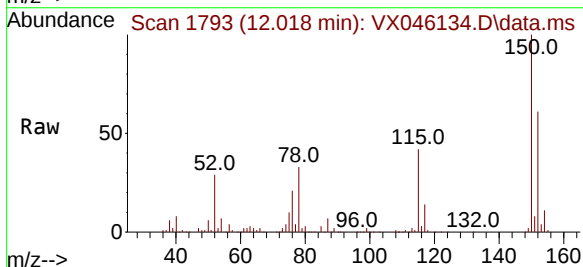
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-04

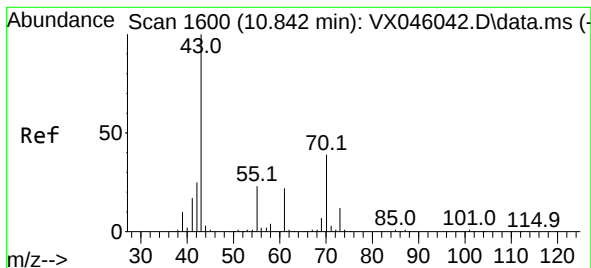
Tgt Ion:117 Resp: 126632
Ion Ratio Lower Upper
117 100
82 58.8 50.6 76.0
119 33.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046134.D
Acq: 12 May 2025 13:36

Tgt Ion:152 Resp: 51784
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 157.4 0.0 351.0





#74

N-amy1 acetate

Concen: 0.498 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX046134.D

Acq: 12 May 2025 13:36

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-04

Tgt Ion: 43 Resp: 993

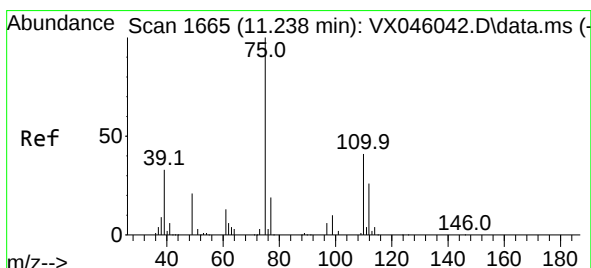
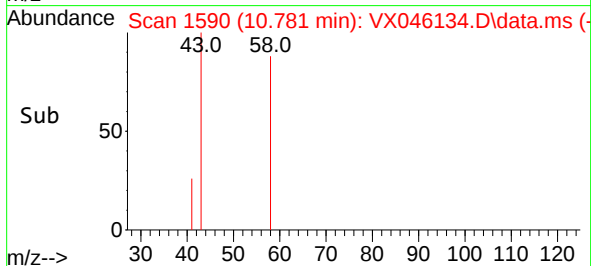
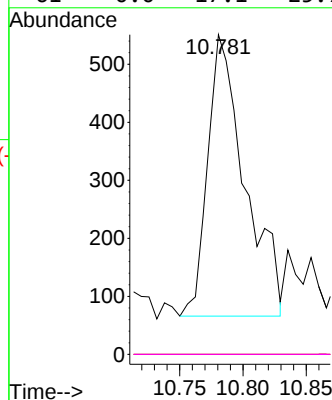
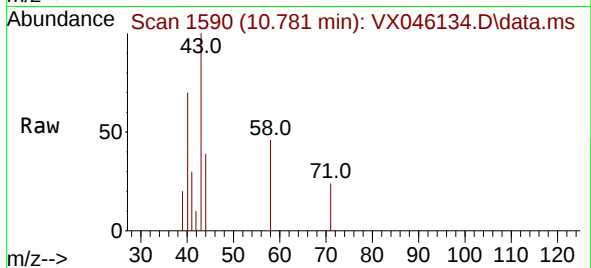
Ion Ratio Lower Upper

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: 28.723 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046134.D

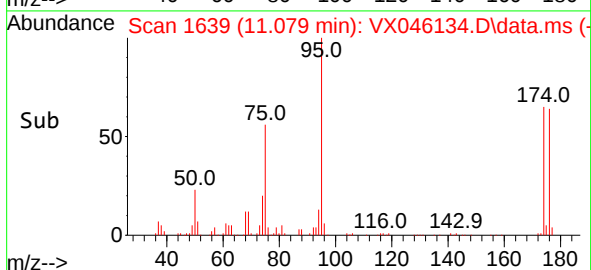
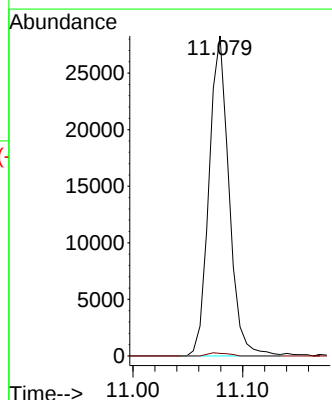
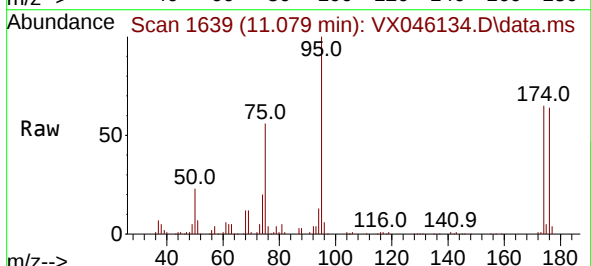
Acq: 12 May 2025 13:36

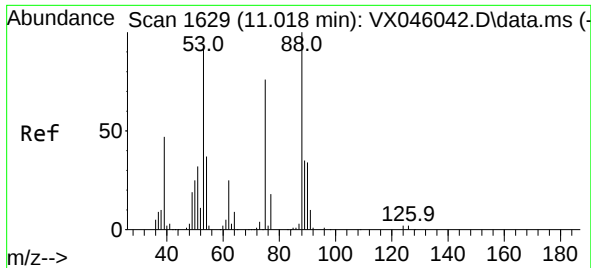
Tgt Ion: 75 Resp: 35802

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.512 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046134.D
 Acq: 12 May 2025 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-04

Tgt Ion: 75 Resp: 35802
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

