

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046137.D
 Acq On : 12 May 2025 14:46
 Operator : JC/MD
 Sample : Q1983-42
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-07

Quant Time: May 13 03:18:53 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)

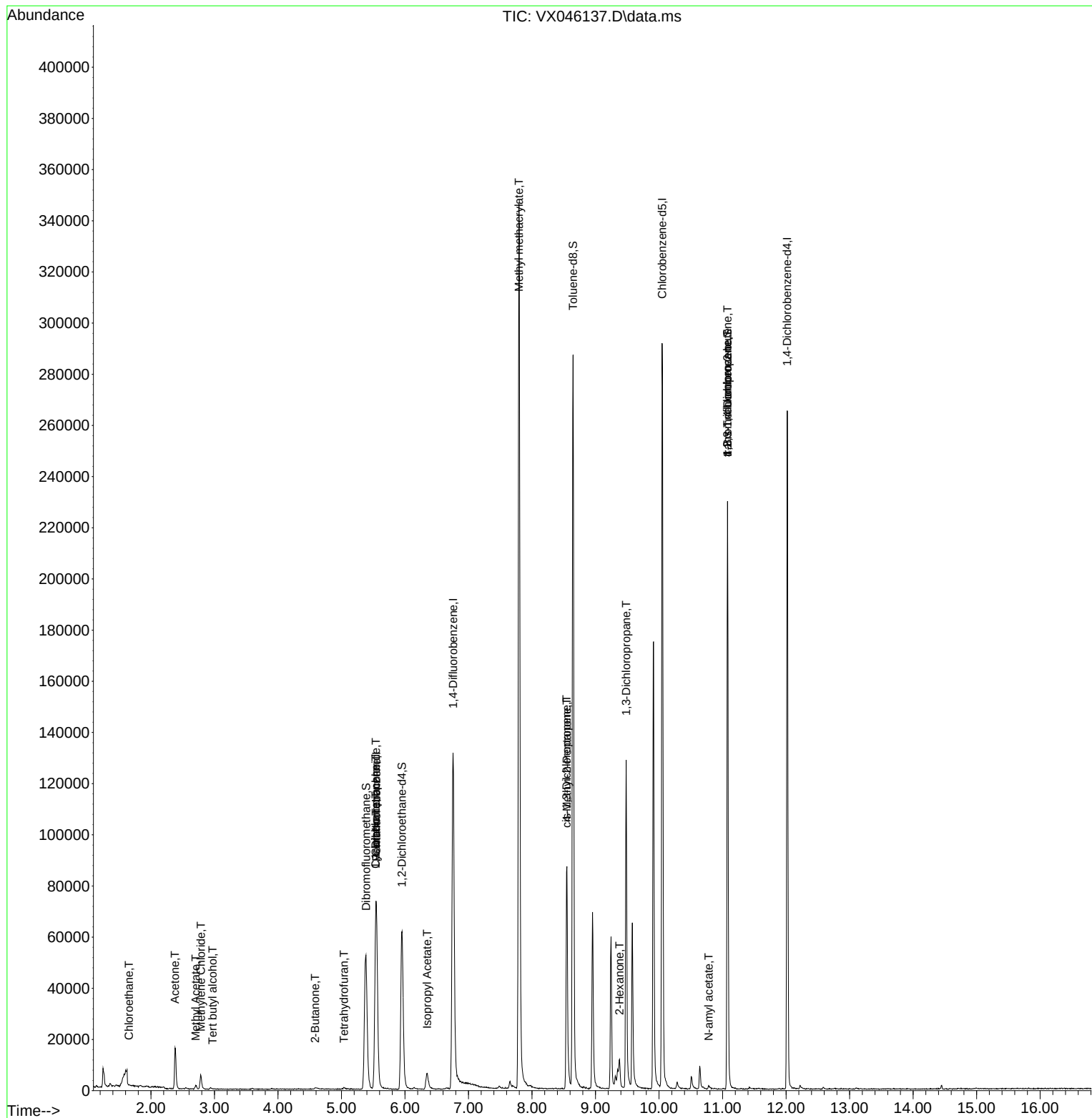
Internal Standards						
1) Pentafluorobenzene	5.550	168	64310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65123	54.317	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.640%			
35) Dibromofluoromethane	5.385	113	47800	51.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	8.647	98	164665	51.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	11.079	95	61718	50.391	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.780%			
Target Compounds					Qvalue	
6) Chloroethane	1.654	64	372	0.784	ug/l #	44
11) Tert butyl alcohol	2.971	59	227	1.349	ug/l #	72
16) Acetone	2.380	43	18075	37.600	ug/l	97
18) Methyl Acetate	2.703	43	2124	1.904	ug/l	91
20) Methylene Chloride	2.788	84	2619	2.843	ug/l #	80
25) 2-Butanone	4.586	43	1683	2.412	ug/l #	80
29) Tetrahydrofuran	5.038	42	409	0.935	ug/l #	58
31) Cyclohexane	5.537	56	1945	1.361	ug/l #	31
36) 1,1-Dichloropropene	5.537	75	6220	5.018	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7784	5.589	ug/l #	18
43) Isopropyl Acetate	6.348	43	9887	4.232	ug/l	98
48) Methyl methacrylate	7.793	41	34986	29.323	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	34791	22.435	ug/l #	48
54) cis-1,3-Dichloropropene	8.543	75	13405	9.730	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1007	0.639	ug/l #	42
59) 2-Hexanone	9.378	43	10702	9.328	ug/l #	28
74) N-amyl acetate	10.780	43	1085	0.571	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35741	30.079	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35741	97.928	ug/l #	1

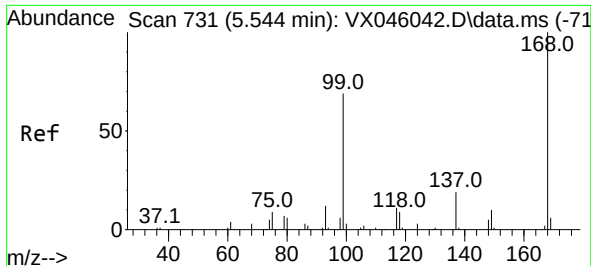
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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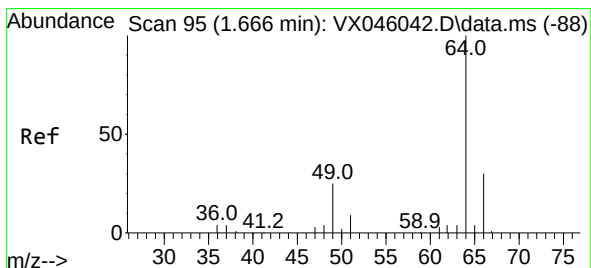
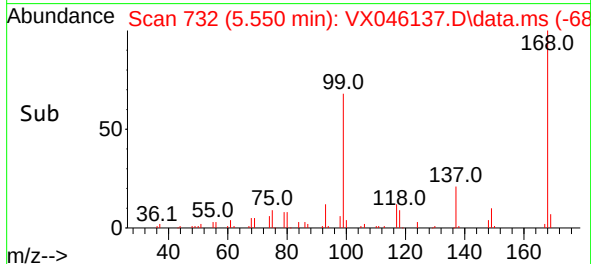
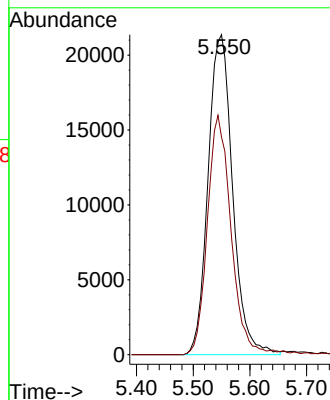
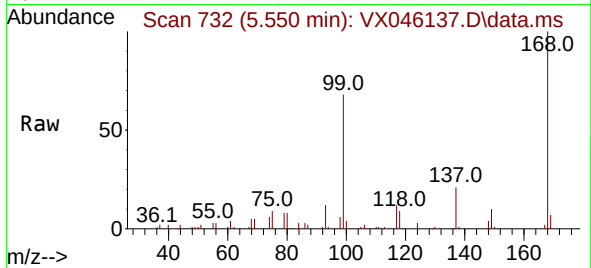




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

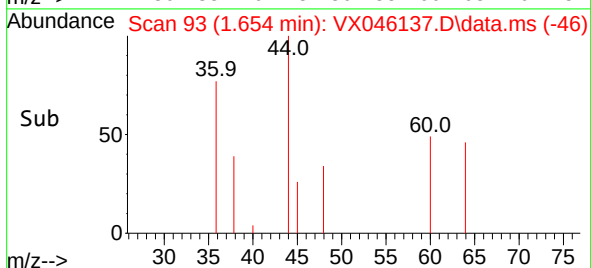
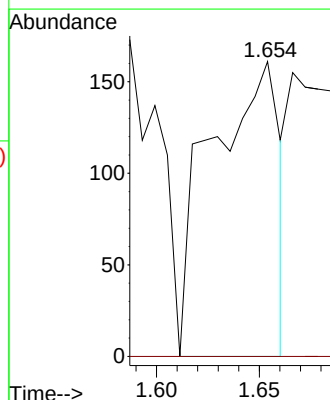
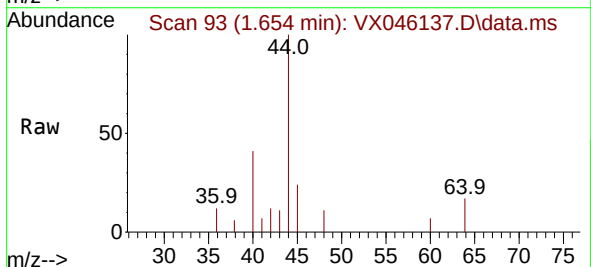
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

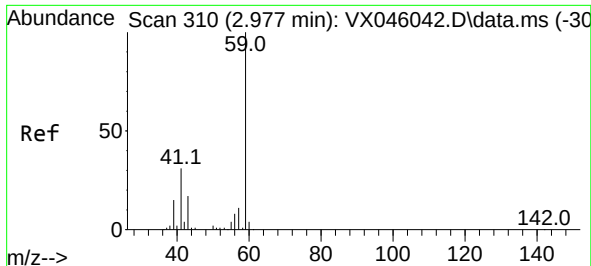
Tgt Ion:168 Resp: 64310
Ion Ratio Lower Upper
168 100
99 68.1 54.9 82.3



#6
Chloroethane
Concen: 0.784 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

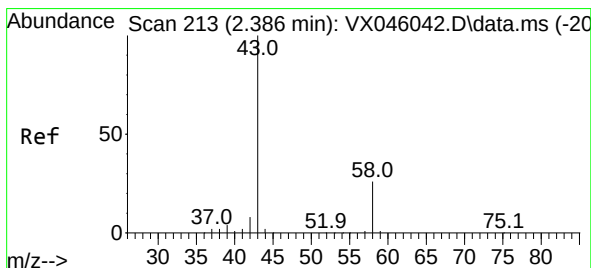
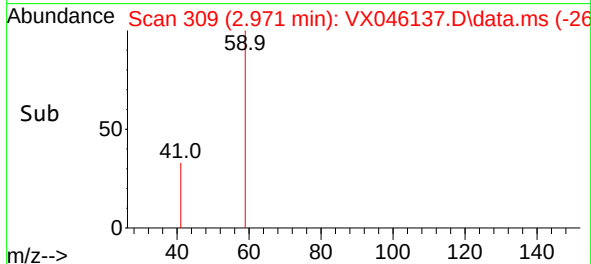
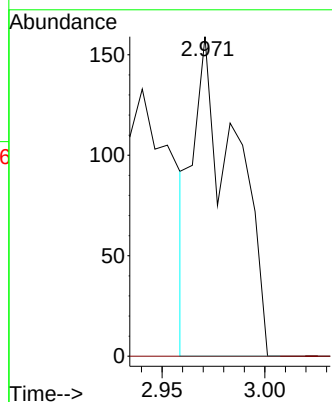
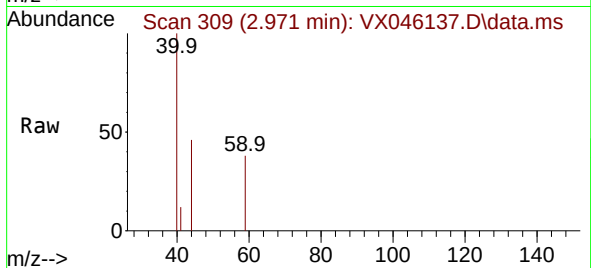




#11
Tert butyl alcohol
Concen: 1.349 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

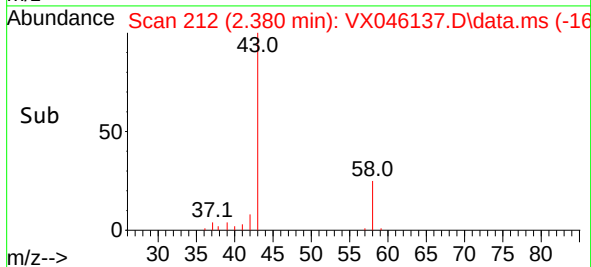
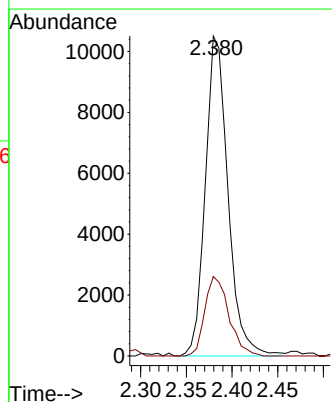
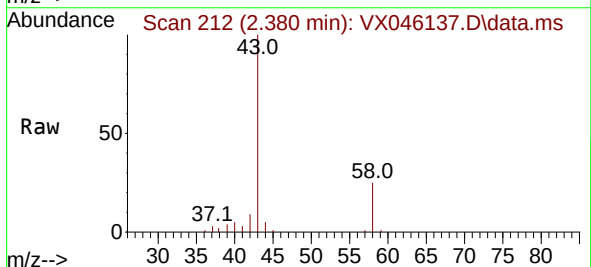
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

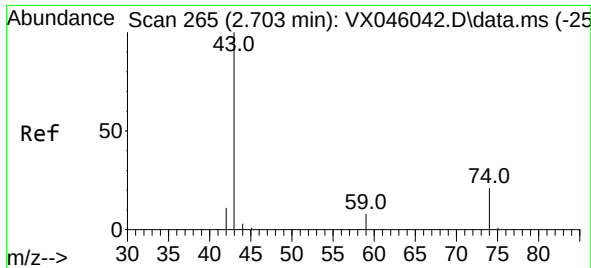
Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 37.600 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 43 Resp: 18075
Ion Ratio Lower Upper
43 100
58 24.8 21.2 31.8

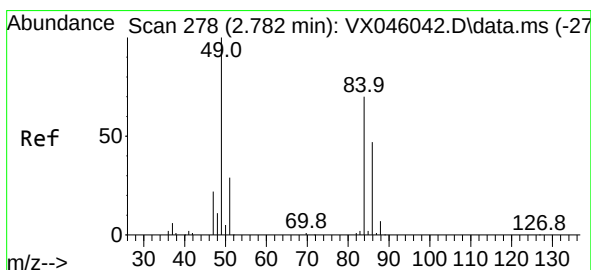
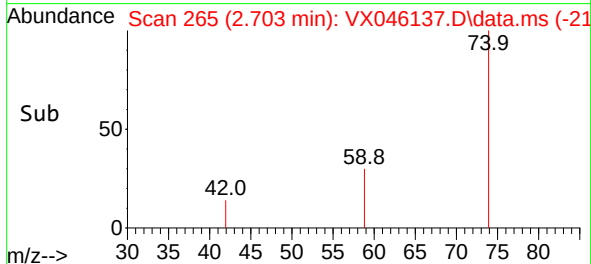
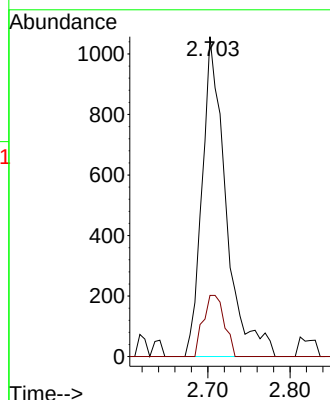
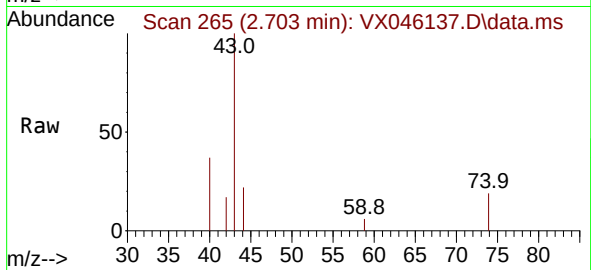




#18
Methyl Acetate
Concen: 1.904 ug/l
RT: 2.703 min Scan# 2124
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

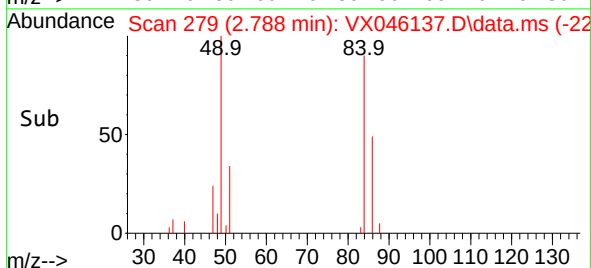
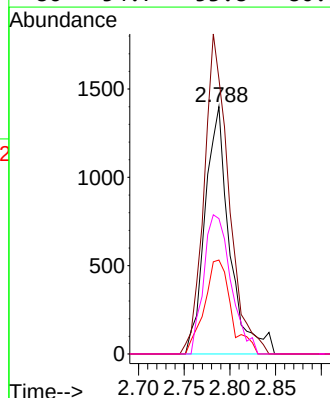
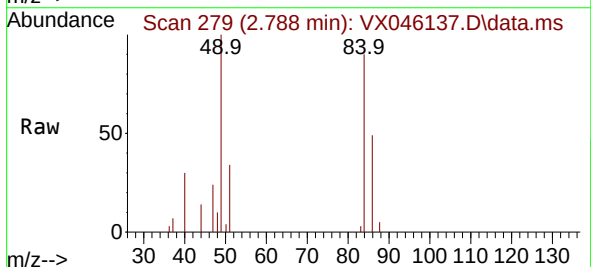
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

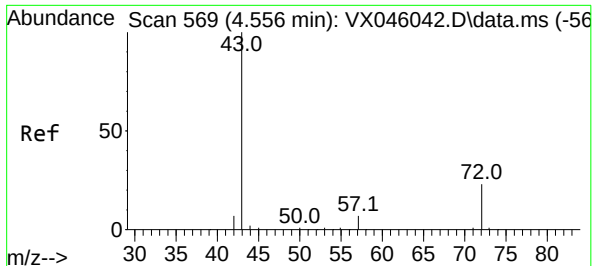
Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	16.7	25.1



#20
Methylene Chloride
Concen: 2.843 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.2	113.9	170.9#
51	38.0	33.5	50.3
86	54.7	53.8	80.8

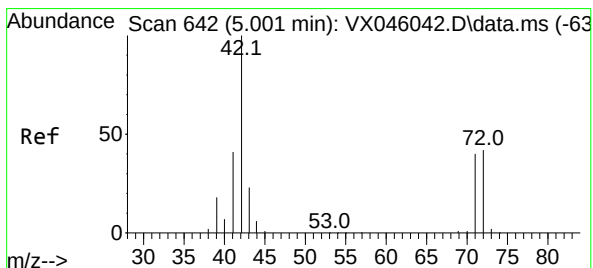
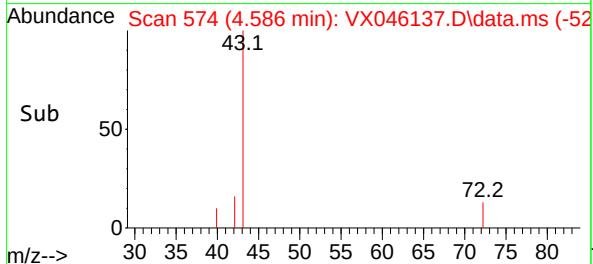
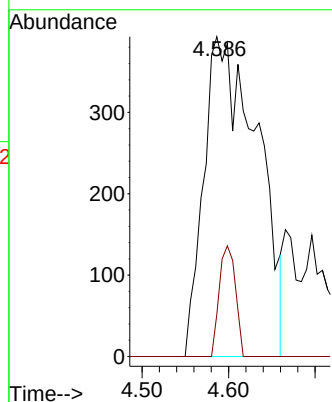
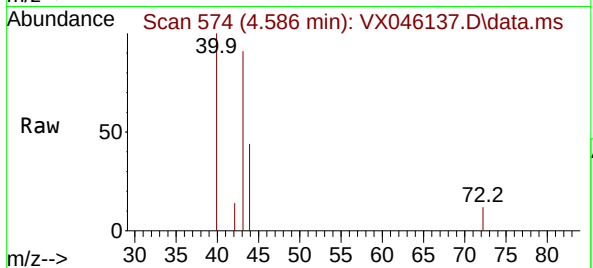




#25
2-Butanone
Concen: 2.412 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

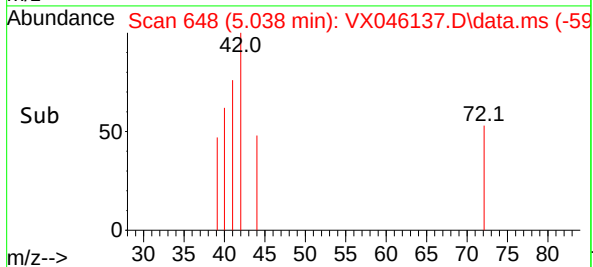
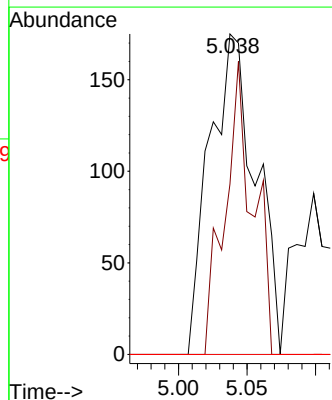
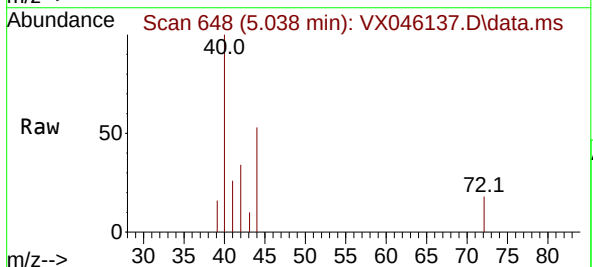
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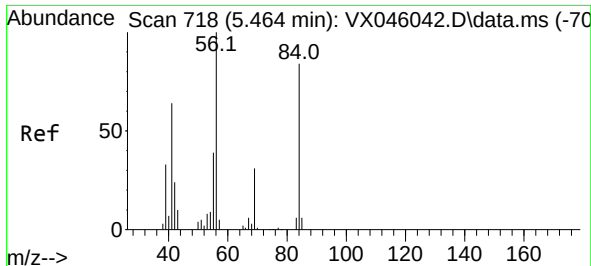
Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
72 13.2 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.935 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 42 Resp: 409
Ion Ratio Lower Upper
42 100
72 56.0 33.7 50.5#
71 0.0 31.4 47.2#

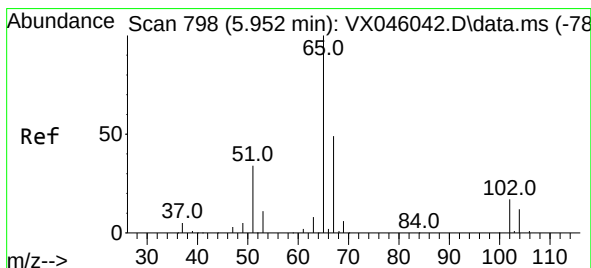
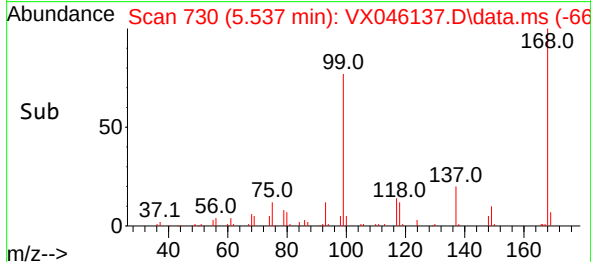
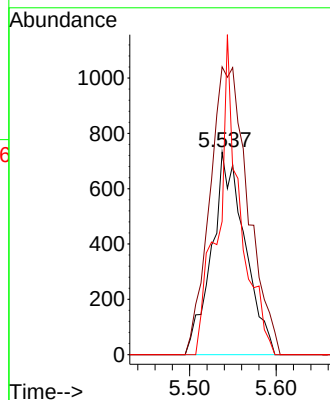
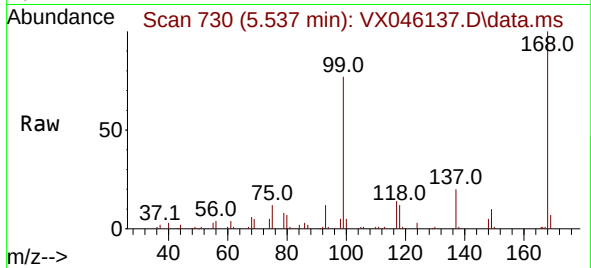




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

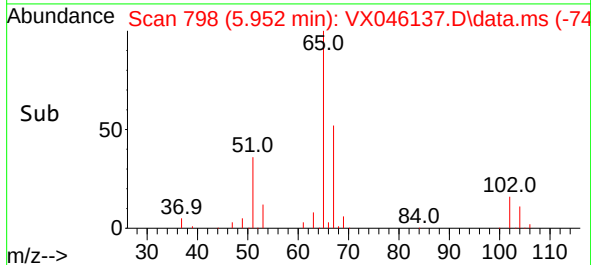
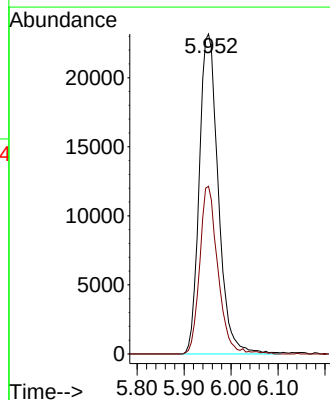
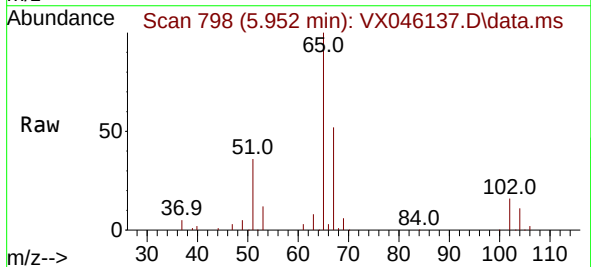
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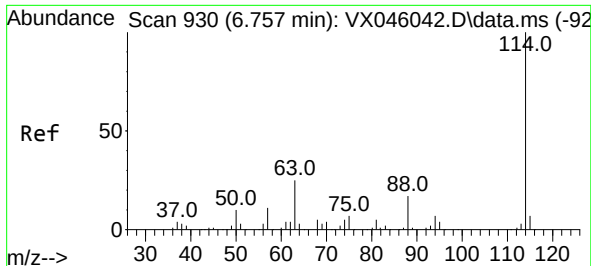
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 142.2 24.4 36.6#
84 65.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.317 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 65 Resp: 65123
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

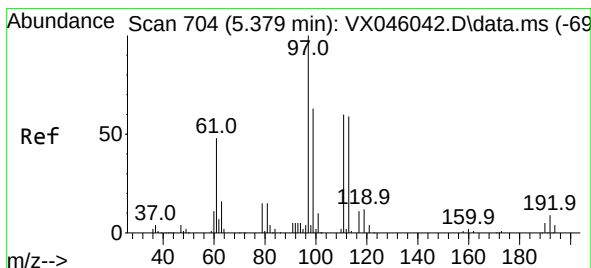
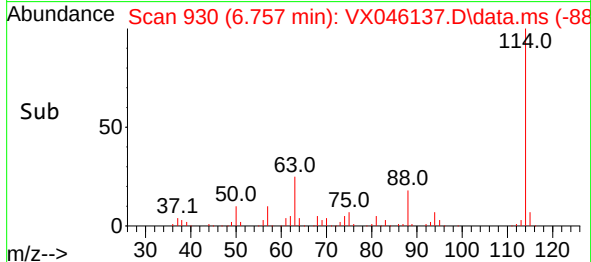
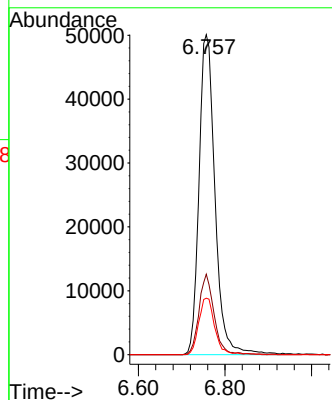
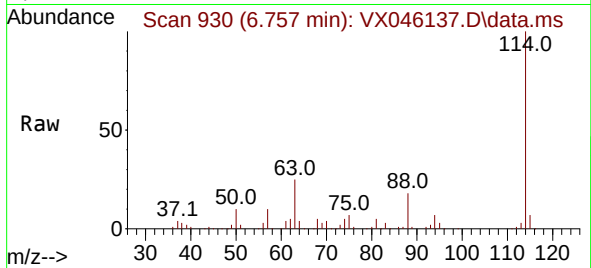




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

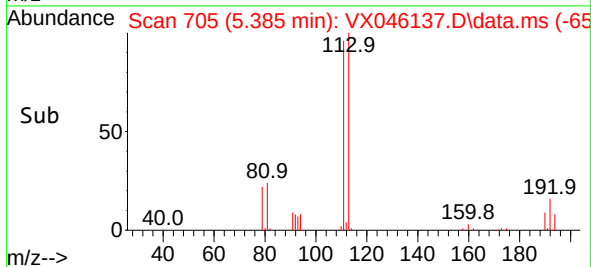
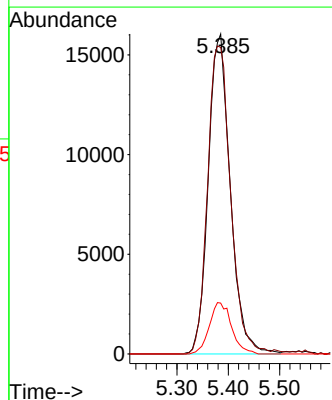
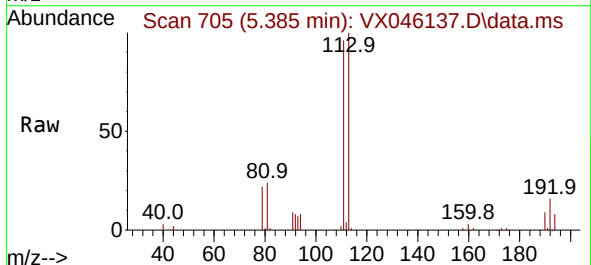
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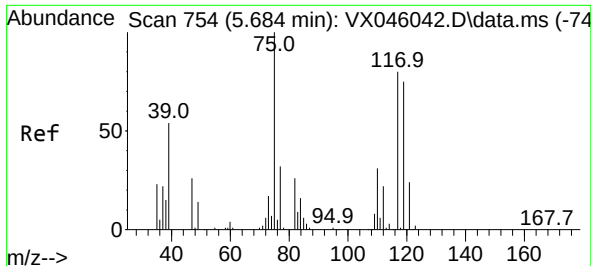
Tgt Ion:114 Resp: 128109
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.815 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion:113 Resp: 47800
Ion Ratio Lower Upper
113 100
111 100.4 83.1 124.7
192 16.2 13.3 19.9

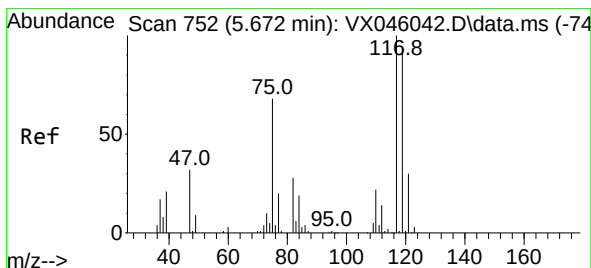
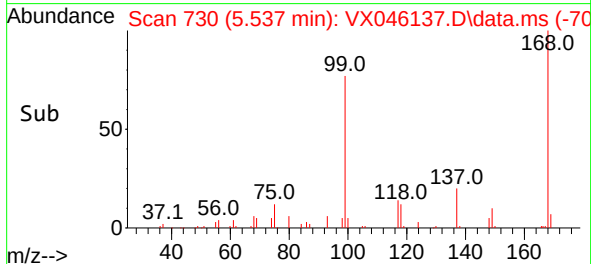
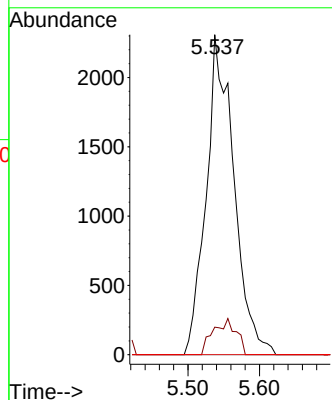
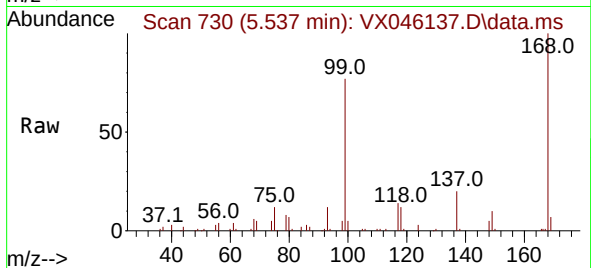




#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

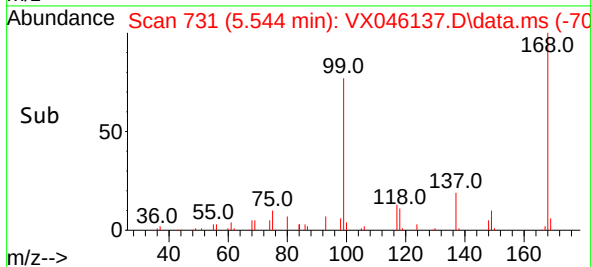
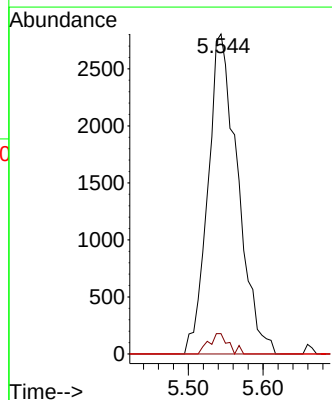
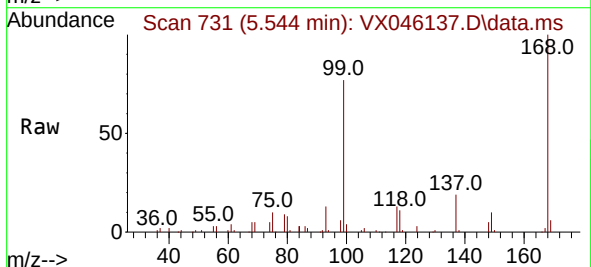
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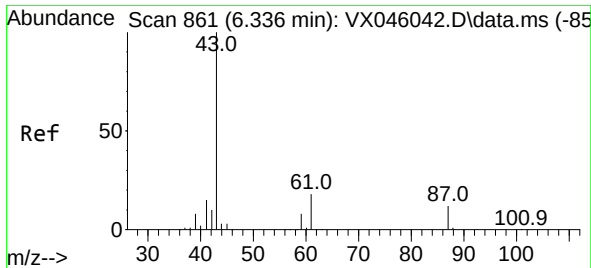
Tgt Ion: 75 Resp: 6220
Ion Ratio Lower Upper
75 100
110 9.3 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 117 Resp: 7784
Ion Ratio Lower Upper
117 100
119 6.4 75.2 112.8#
121 0.0 24.2 36.4#

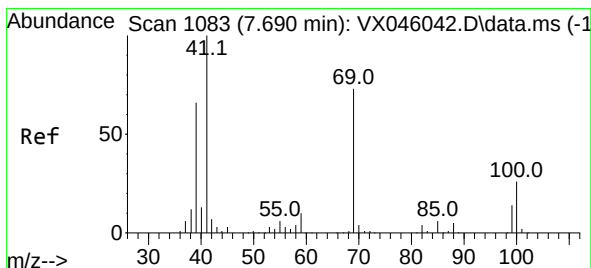
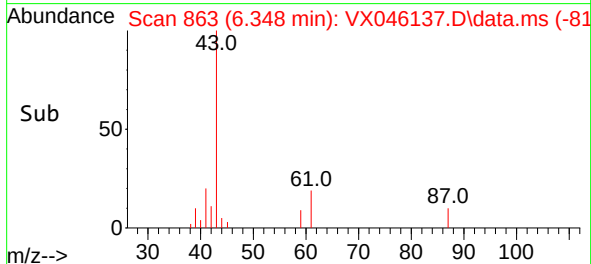
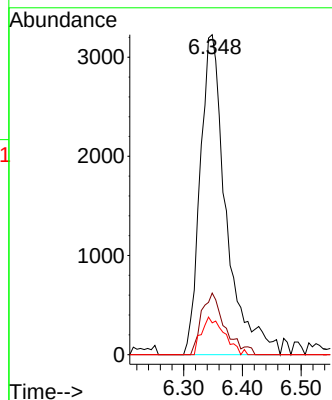
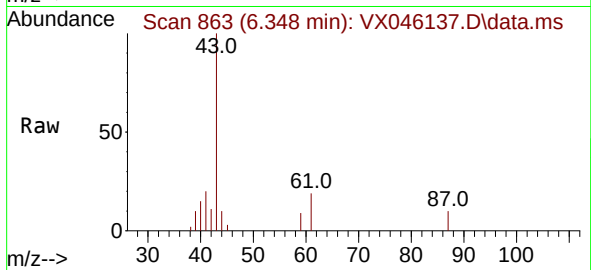




#43
Isopropyl Acetate
Concen: 4.232 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

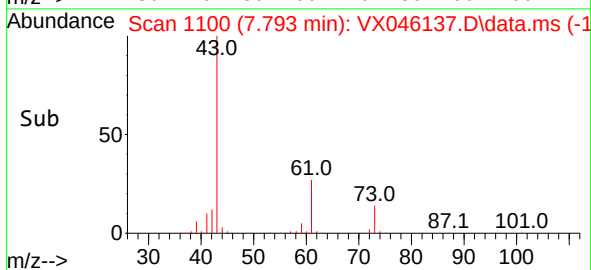
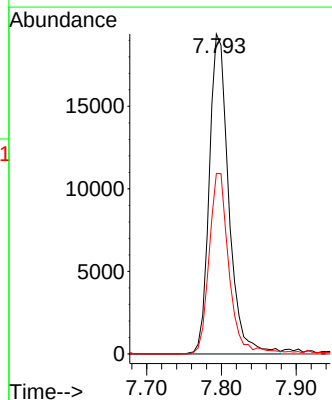
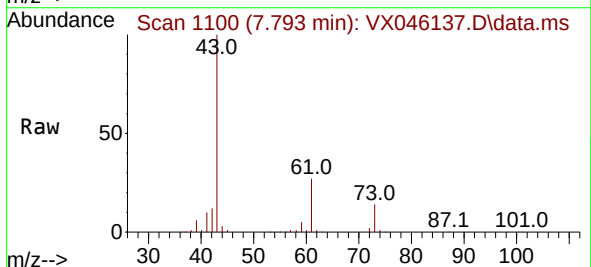
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

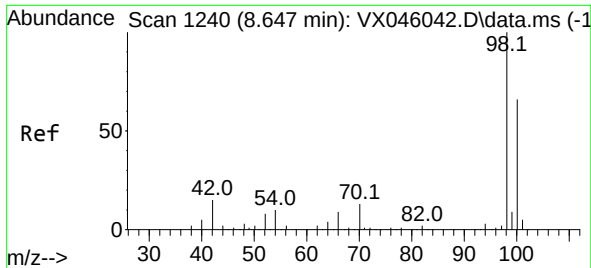
Tgt Ion: 43 Resp: 9887
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 10.3 9.5 14.3



#48
Methyl methacrylate
Concen: 29.323 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 41 Resp: 34986
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.9 51.7 77.5

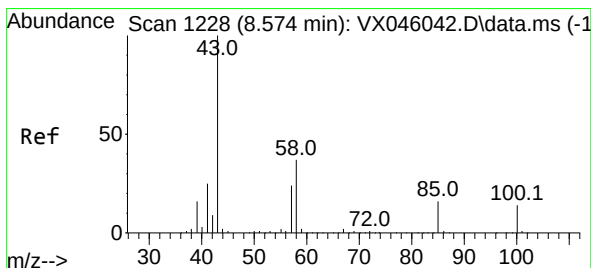
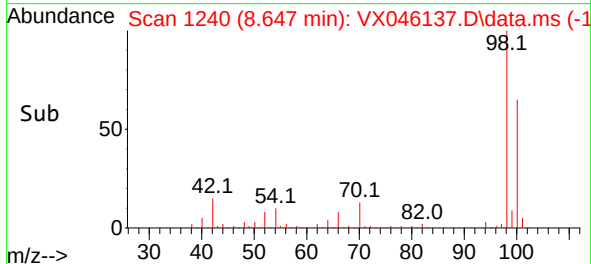
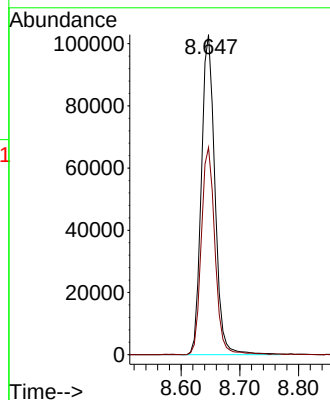
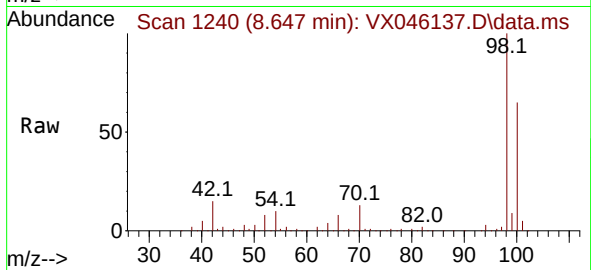




#50
Toluene-d8
Concen: 51.571 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

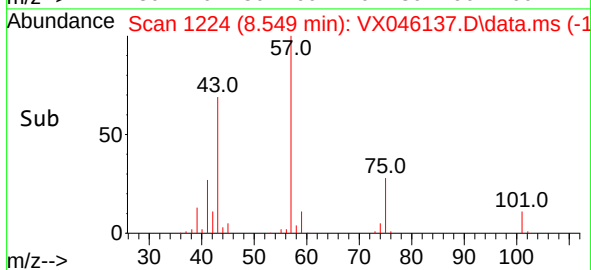
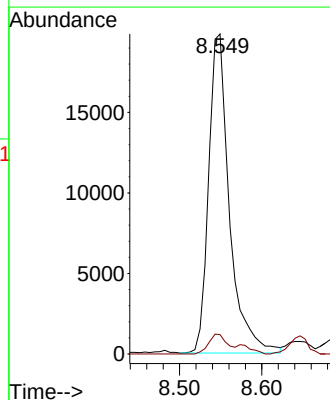
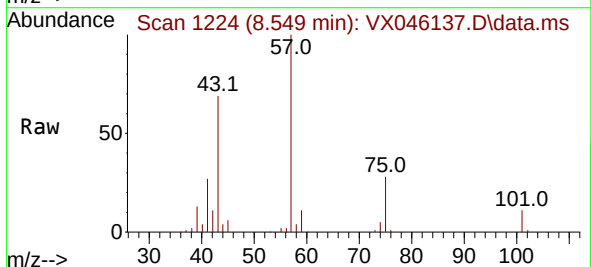
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

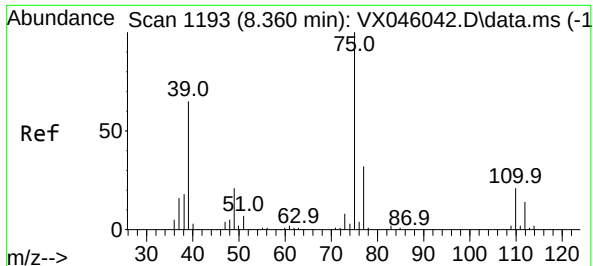
Tgt Ion: 98 Resp: 164665
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 22.435 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 43 Resp: 34791
Ion Ratio Lower Upper
43 100
58 5.6 28.9 43.3#

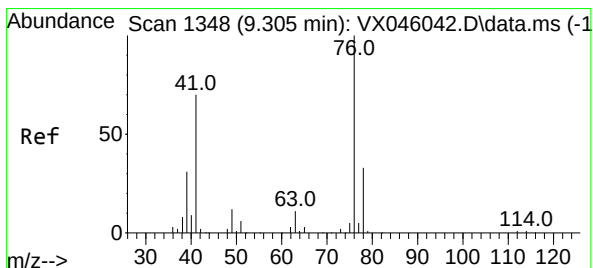
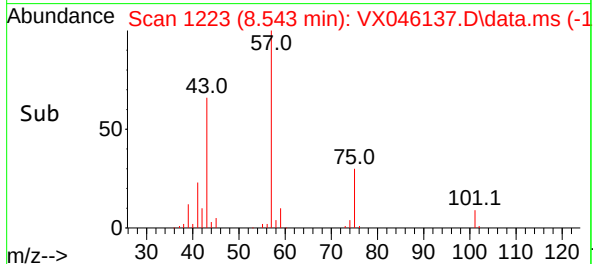
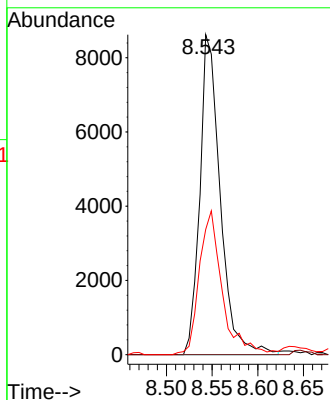
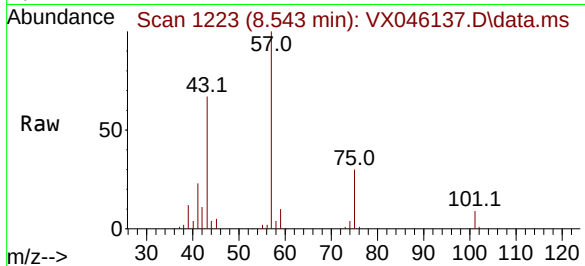




#54
 cis-1,3-Dichloropropene
 Concen: 9.730 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046137.D
 Acq: 12 May 2025 14:46

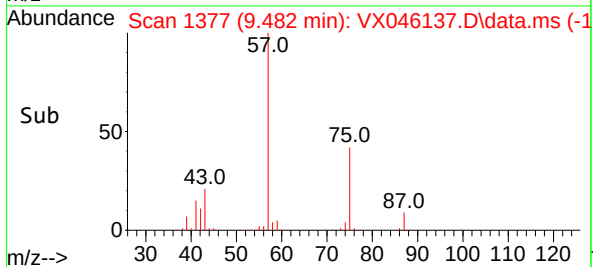
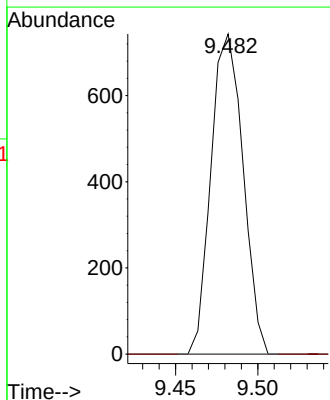
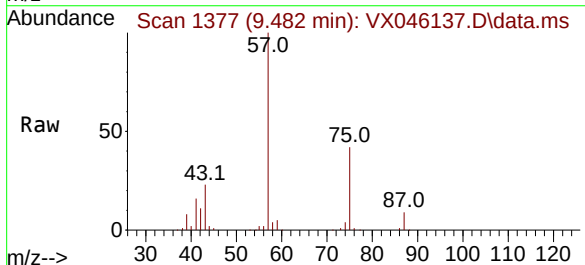
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-07

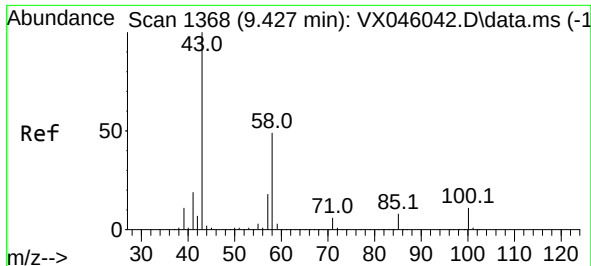
Tgt Ion: 75 Resp: 13405
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 38.5 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.639 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046137.D
 Acq: 12 May 2025 14:46

Tgt Ion: 76 Resp: 1007
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

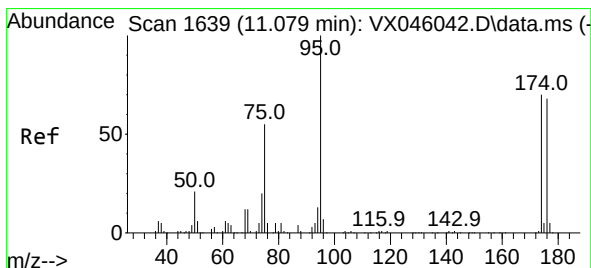
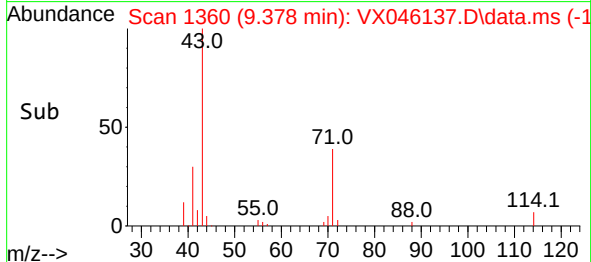
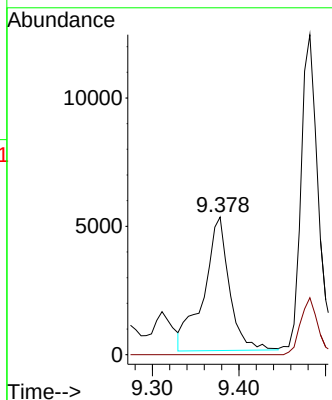
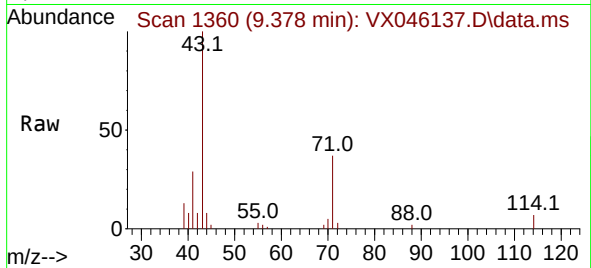




#59
2-Hexanone
Concen: 9.328 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

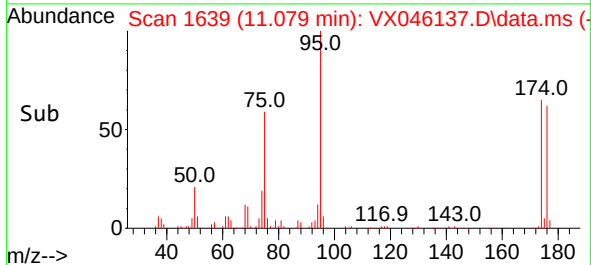
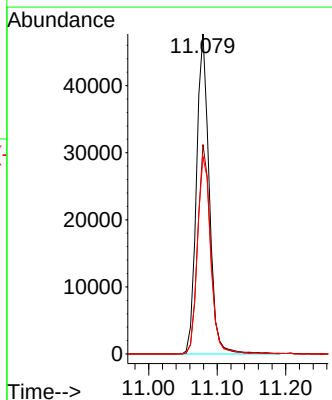
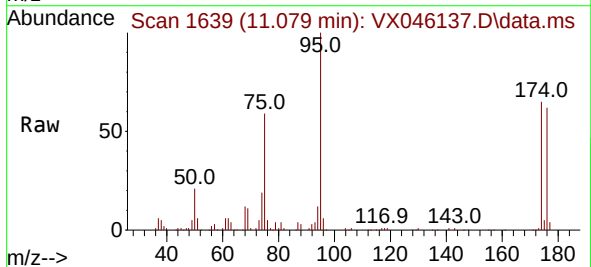
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

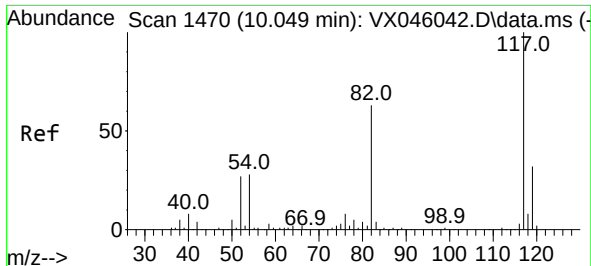
Tgt Ion: 43 Resp: 10702
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.391 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion: 95 Resp: 61718
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 64.4 0.0 131.4

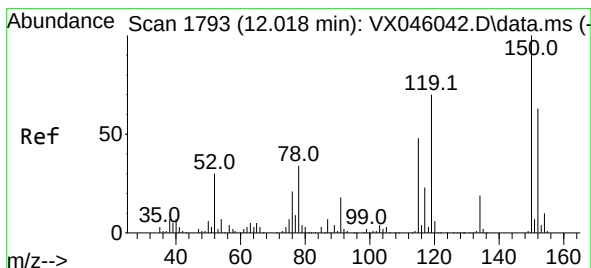
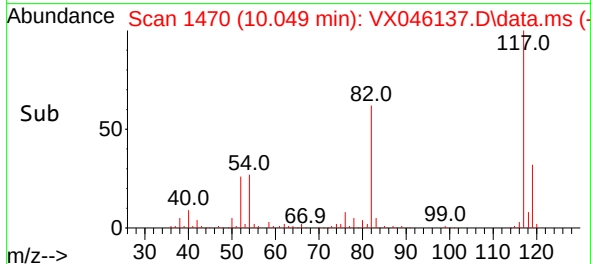
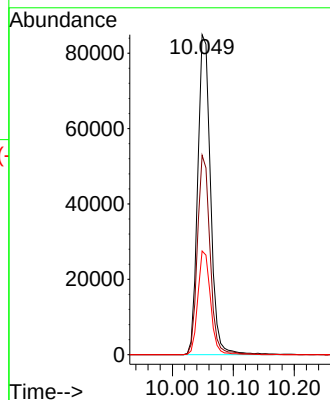
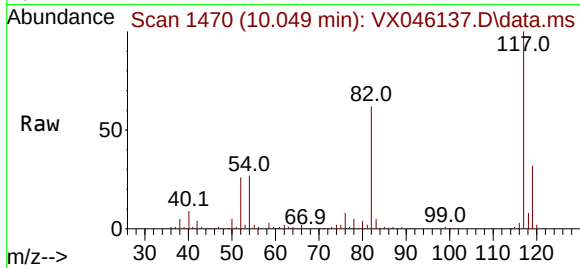




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

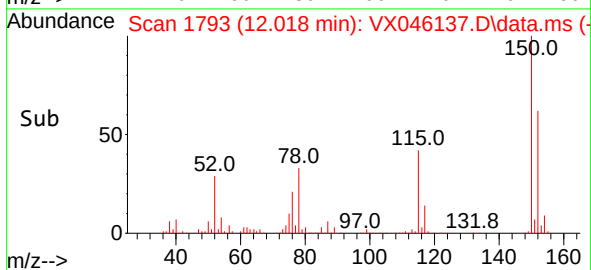
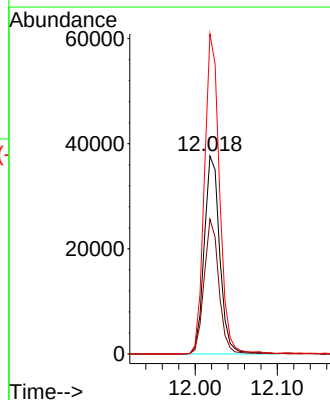
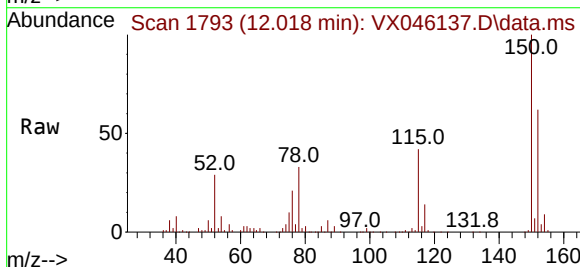
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-07

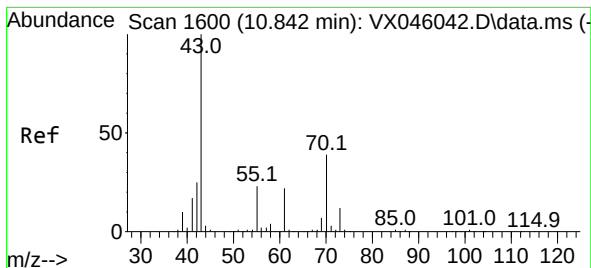
Tgt Ion:117 Resp: 123660
Ion Ratio Lower Upper
117 100
82 62.3 50.6 76.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046137.D
Acq: 12 May 2025 14:46

Tgt Ion:152 Resp: 49365
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 157.4 0.0 351.0





#74

N-amy1 acetate

Concen: 0.571 ug/l

RT: 10.780 min Scan# 1639

Delta R.T. -0.061 min

Lab File: VX046137.D

Acq: 12 May 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-07

Tgt Ion: 43 Resp: 1085

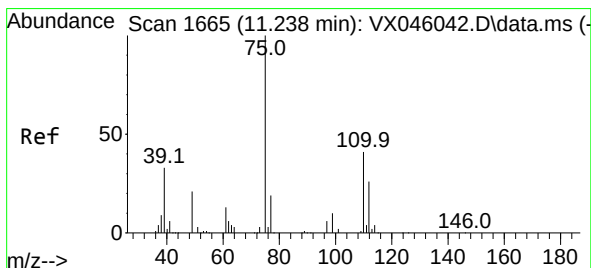
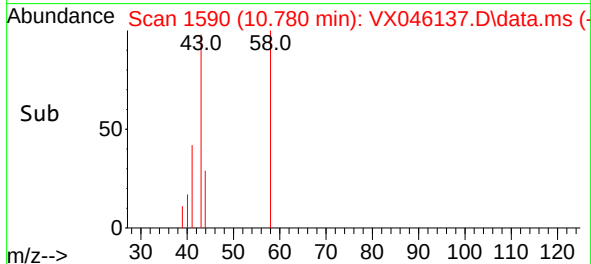
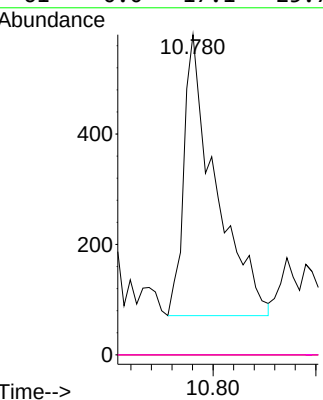
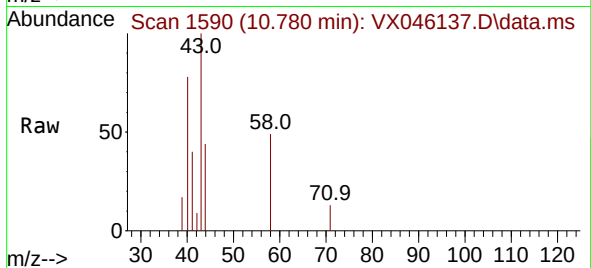
Ion Ratio Lower Upper

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: 30.079 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046137.D

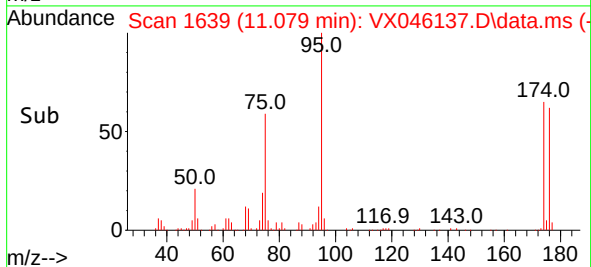
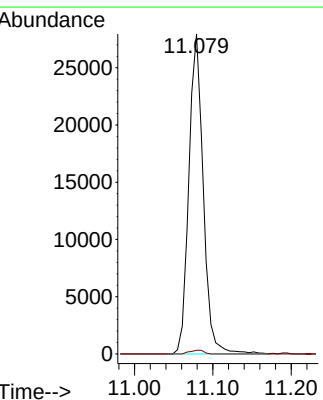
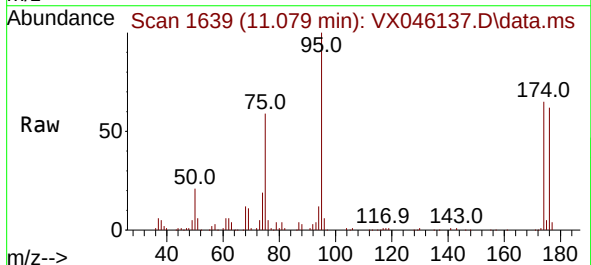
Acq: 12 May 2025 14:46

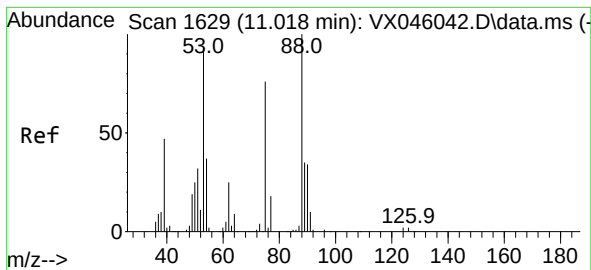
Tgt Ion: 75 Resp: 35741

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.928 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046137.D
 Acq: 12 May 2025 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-07

Tgt Ion: 75 Resp: 35741
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

