

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046176.D
 Acq On : 13 May 2025 19:05
 Operator : JC/MD
 Sample : Q2007-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-11

Quant Time: May 14 01:46:02 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)

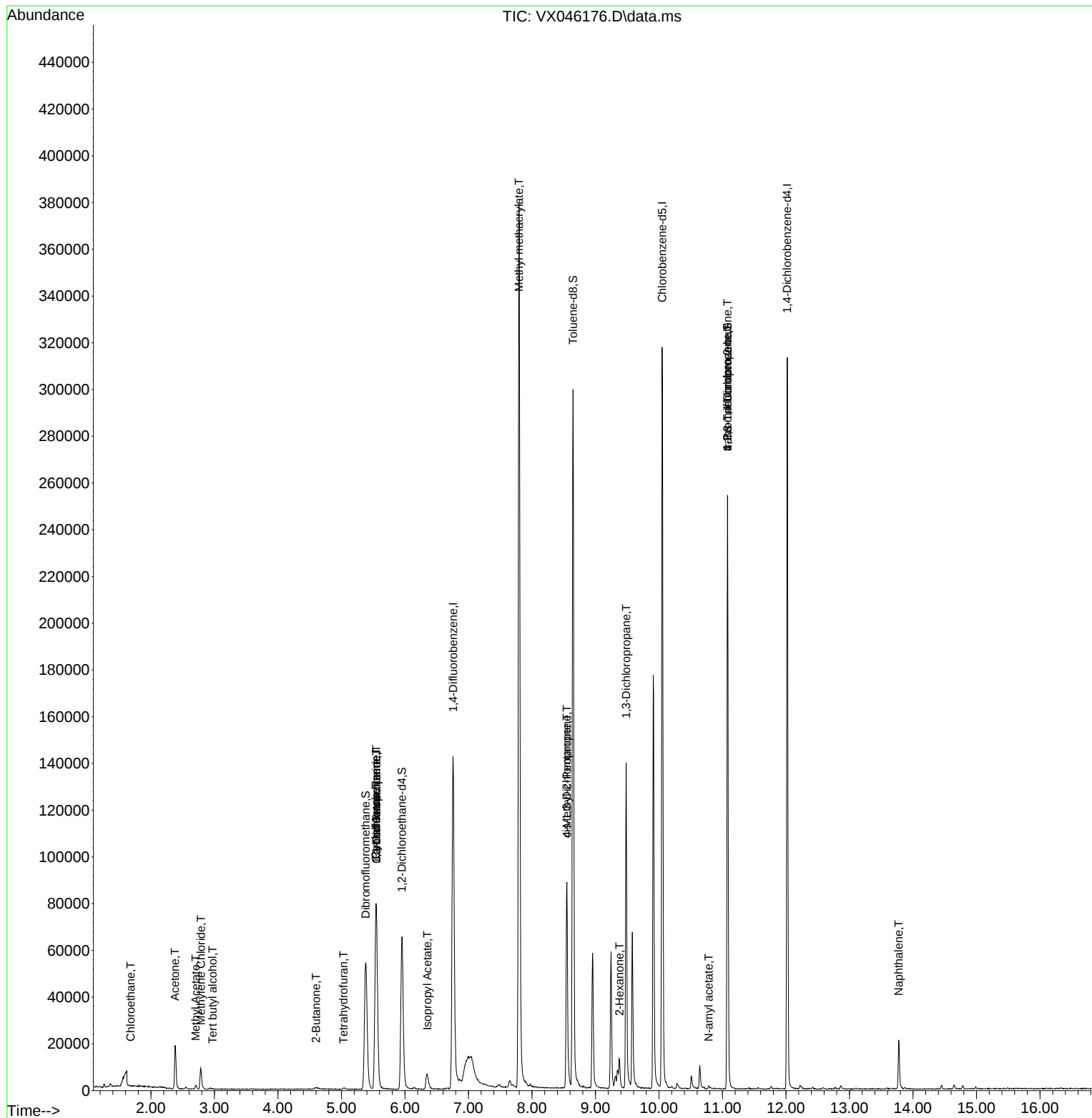
Internal Standards						
1) Pentafluorobenzene	5.544	168	67437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67222	53.468	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.940%
35) Dibromofluoromethane	5.379	113	48634	49.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	8.647	98	172323	50.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.040%
62) 4-Bromofluorobenzene	11.079	95	66824	51.071	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.140%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	134	0.269	ug/l #	44
11) Tert butyl alcohol	2.971	59	420	2.380	ug/l #	72
16) Acetone	2.380	43	20945	41.550	ug/l	100
18) Methyl Acetate	2.703	43	2279	1.948	ug/l	92
20) Methylene Chloride	2.788	84	4101	4.245	ug/l	89
25) 2-Butanone	4.599	43	1955	2.671	ug/l	100
29) Tetrahydrofuran	5.032	42	309	0.674	ug/l #	73
31) Cyclohexane	5.544	56	2081	1.389	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	6793	5.130	ug/l #	52
38) Carbon Tetrachloride	5.550	117	8141	5.472	ug/l #	16
43) Isopropyl Acetate	6.355	43	10768	4.314	ug/l	99
48) Methyl methacrylate	7.793	41	37475	29.400	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	35476	21.414	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	13604	9.243	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1188	0.705	ug/l #	42
59) 2-Hexanone	9.379	43	10997	8.972	ug/l #	28
74) N-amyl acetate	10.781	43	1892	0.896	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	38942	29.480	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38942	95.978	ug/l #	1
95) Naphthalene	13.774	128	14753	3.855	ug/l	98

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

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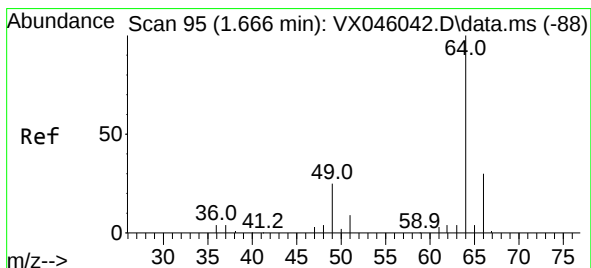
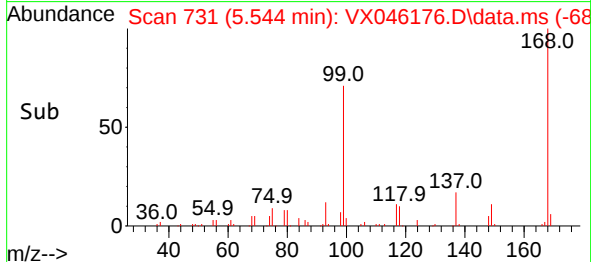
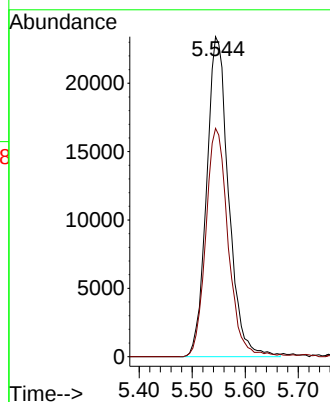
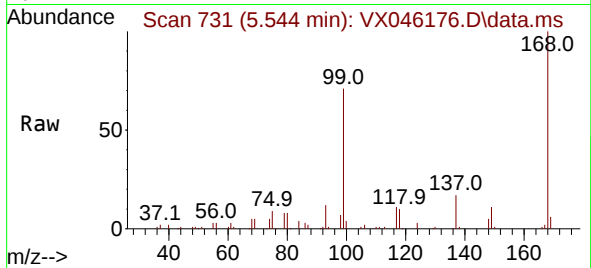




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VX046176.D
 Acq: 13 May 2025 19:05

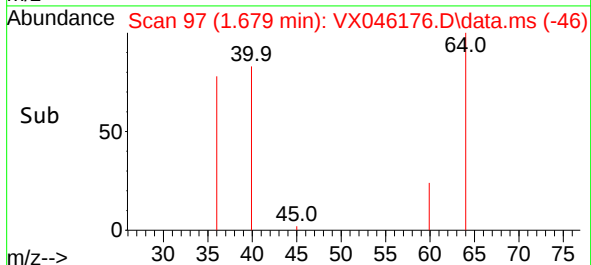
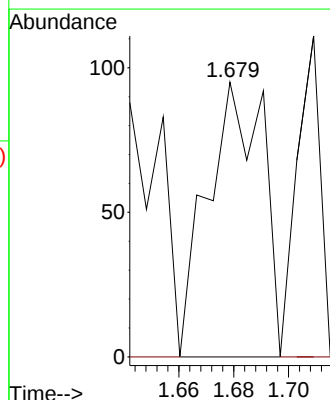
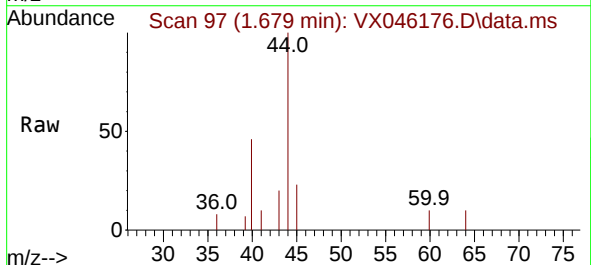
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-11

Tgt Ion:168 Resp: 67437
 Ion Ratio Lower Upper
 168 100
 99 71.4 54.9 82.3



#6
 Chloroethane
 Concen: 0.269 ug/l
 RT: 1.679 min Scan# 97
 Delta R.T. 0.012 min
 Lab File: VX046176.D
 Acq: 13 May 2025 19:05

Tgt Ion: 64 Resp: 134
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.3 36.5#

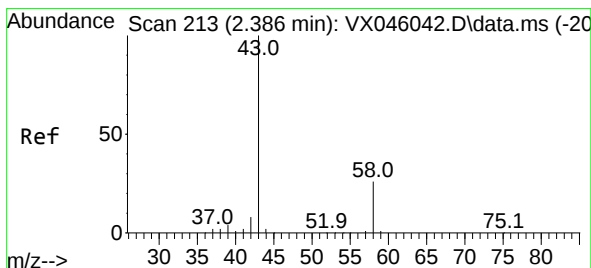
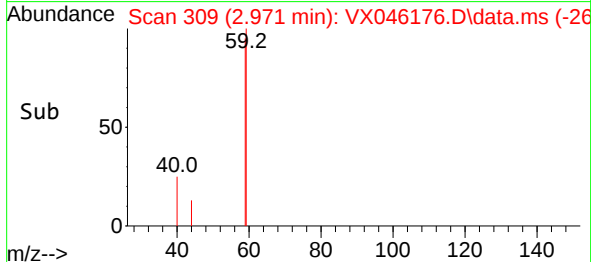
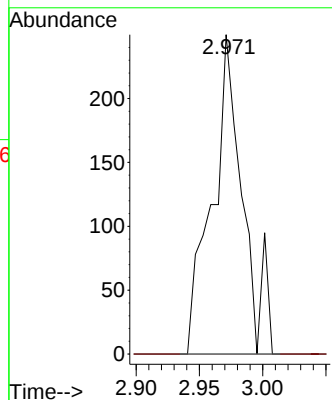
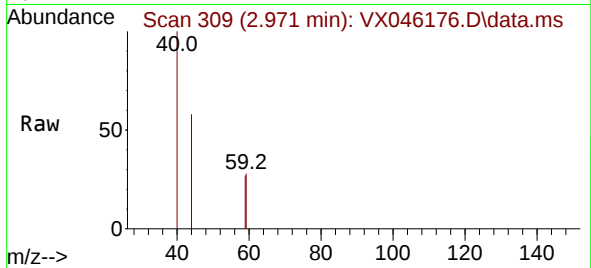




#11
Tert butyl alcohol
Concen: 2.380 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

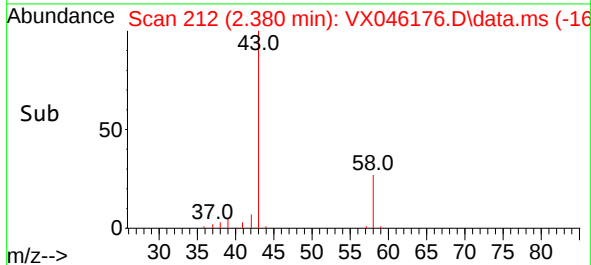
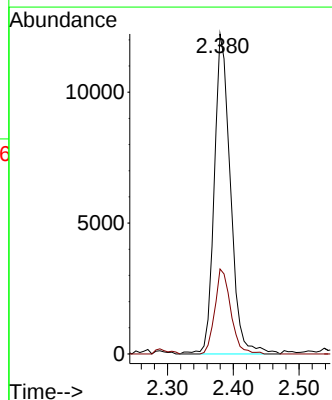
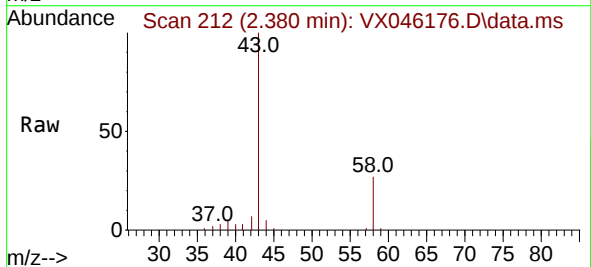
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

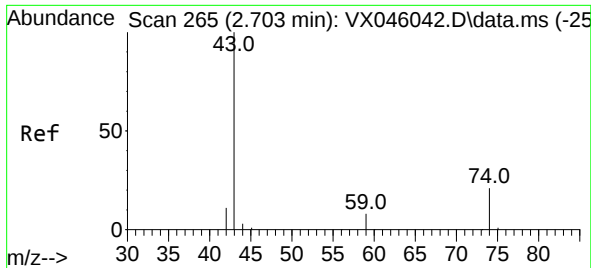
Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 41.550 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 43 Resp: 20945
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8

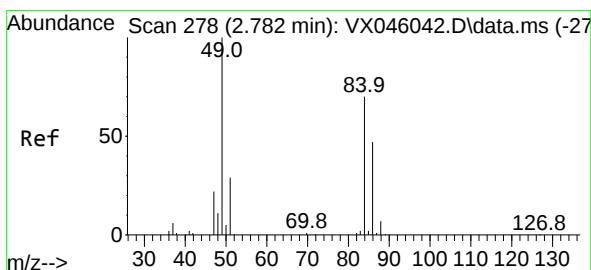
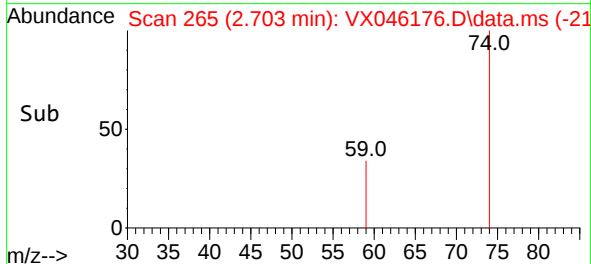
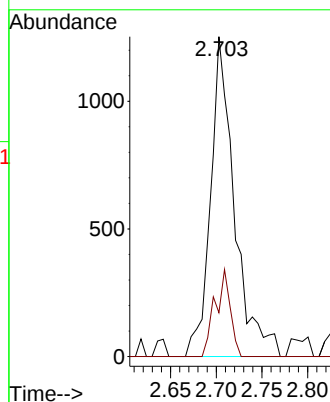
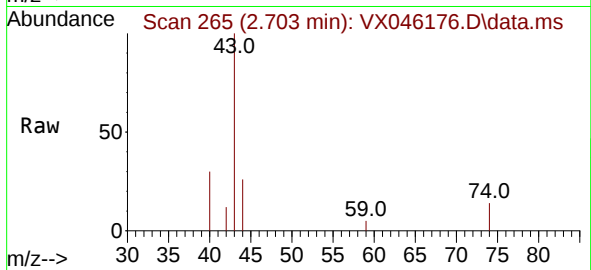




#18
Methyl Acetate
Concen: 1.948 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

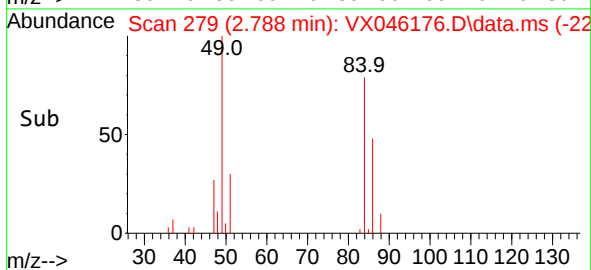
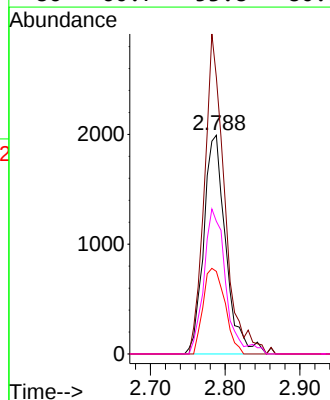
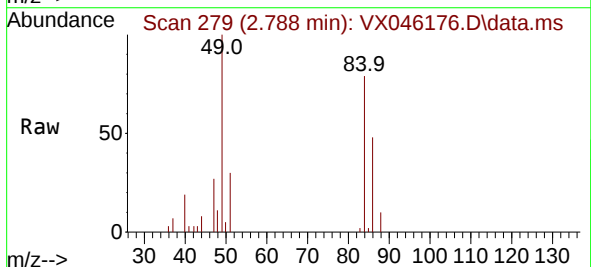
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

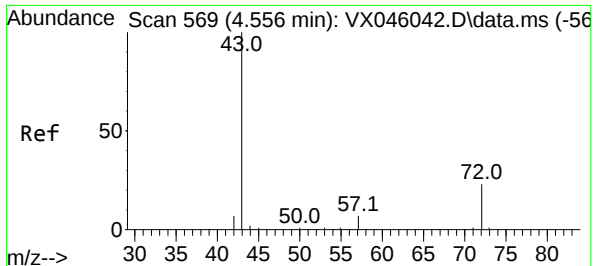
Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
74 17.3 16.7 25.1



#20
Methylene Chloride
Concen: 4.245 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 84 Resp: 4101
Ion Ratio Lower Upper
84 100
49 126.5 113.9 170.9
51 37.8 33.5 50.3
86 60.7 53.8 80.8





#25

2-Butanone

Concen: 2.671 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX046176.D

Acq: 13 May 2025 19:05

Instrument :

MSVOA_X

ClientSampleId :

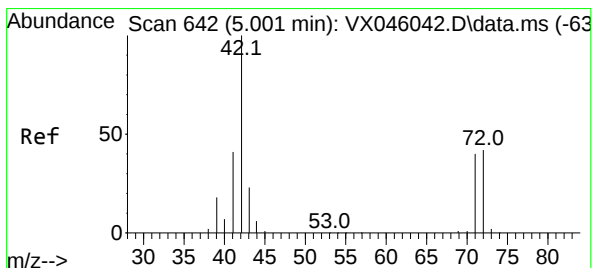
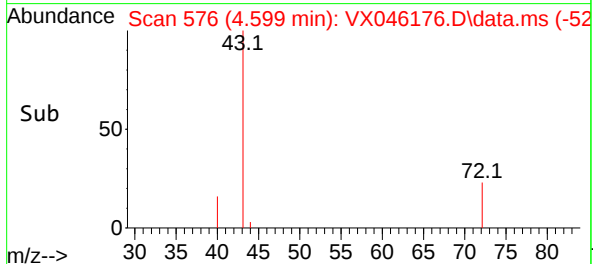
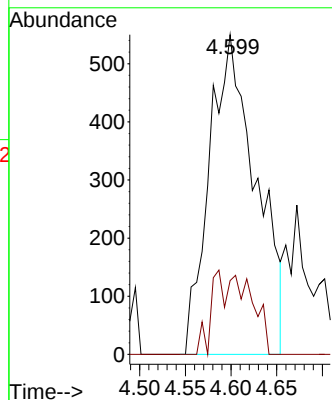
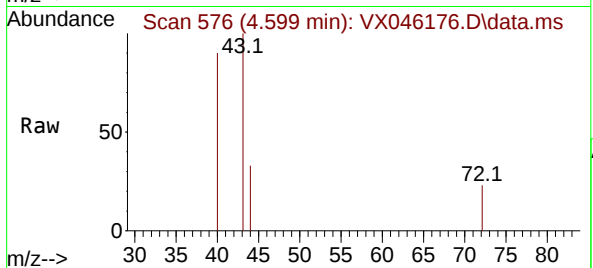
OR-636-COMP-11

Tgt Ion: 43 Resp: 1955

Ion Ratio Lower Upper

43 100

72 23.1 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.674 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.031 min

Lab File: VX046176.D

Acq: 13 May 2025 19:05

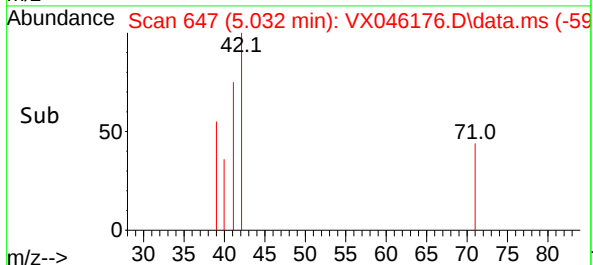
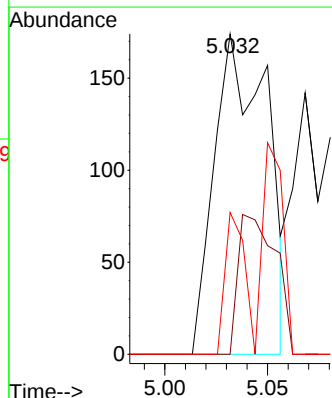
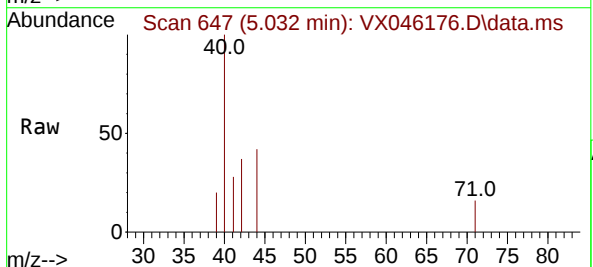
Tgt Ion: 42 Resp: 309

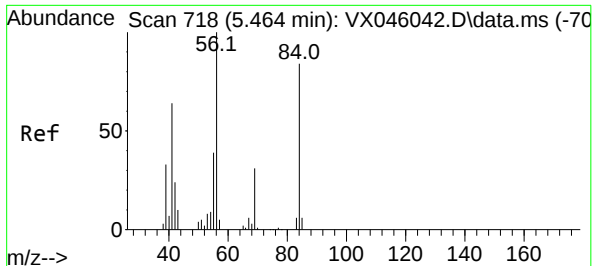
Ion Ratio Lower Upper

42 100

72 31.1 33.7 50.5#

71 16.5 31.4 47.2#

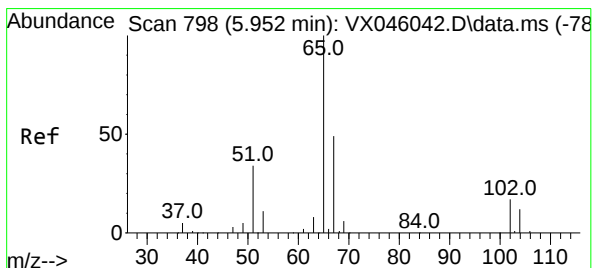
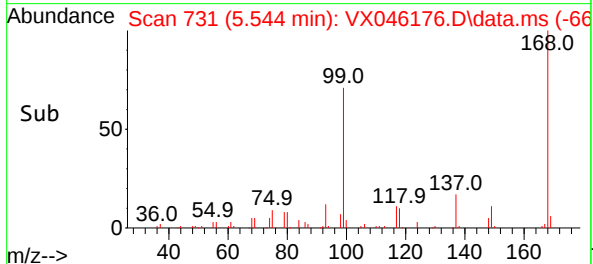
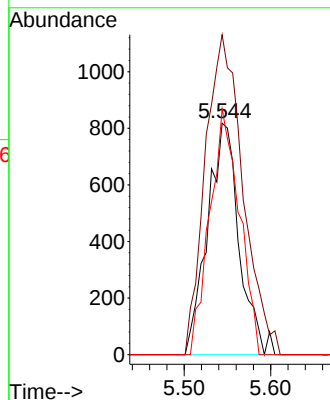
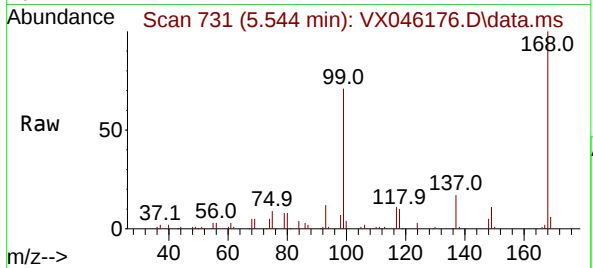




#31
Cyclohexane
Concen: 1.389 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

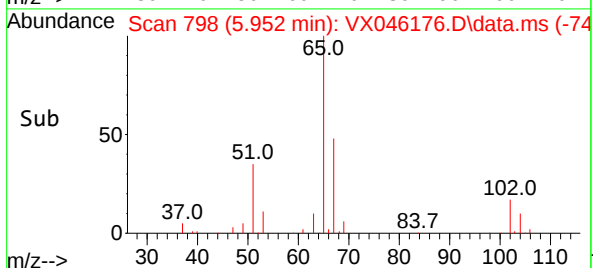
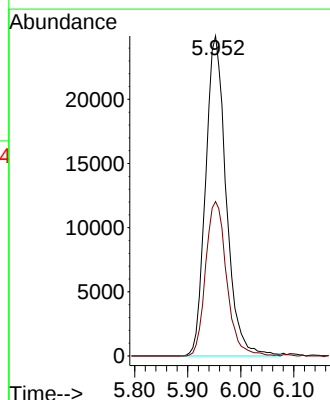
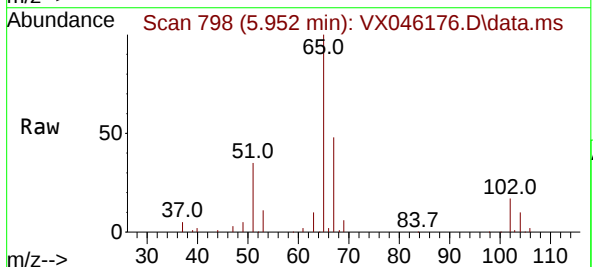
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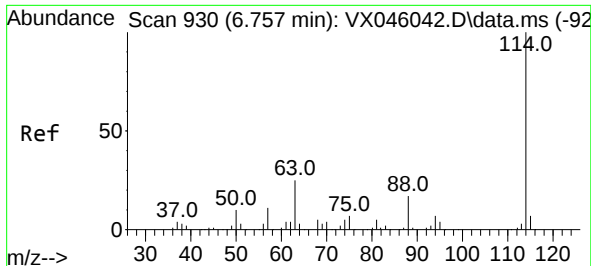
Tgt Ion: 56 Resp: 2081
Ion Ratio Lower Upper
56 100
69 138.3 24.4 36.6#
84 106.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.468 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 65 Resp: 67222
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

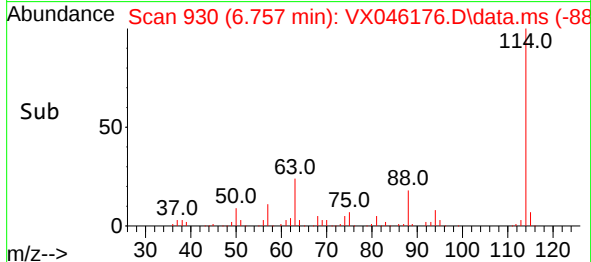
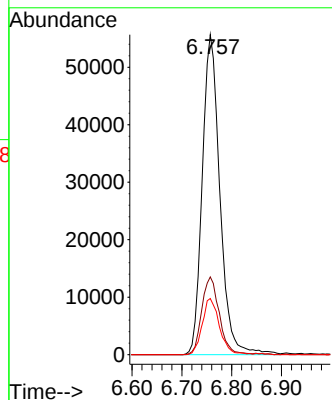
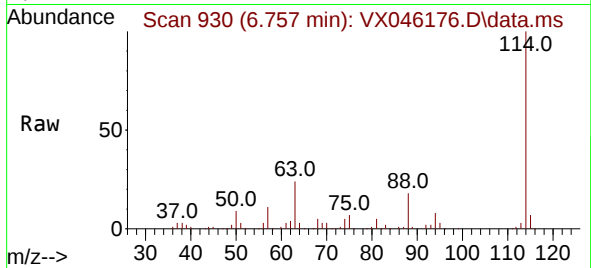




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

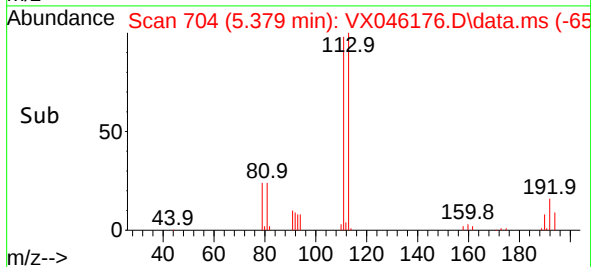
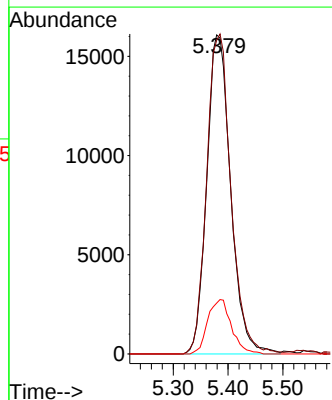
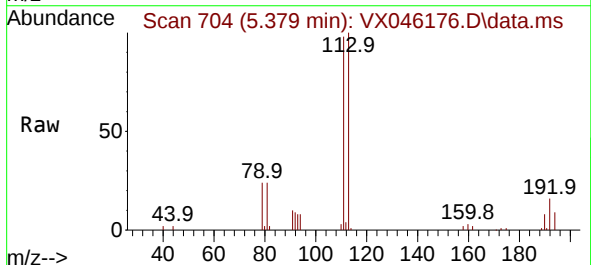
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

Tgt Ion:114 Resp: 136861
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.347 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion:113 Resp: 48634
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 16.9 13.3 19.9

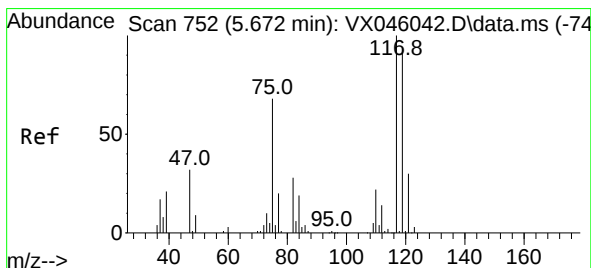
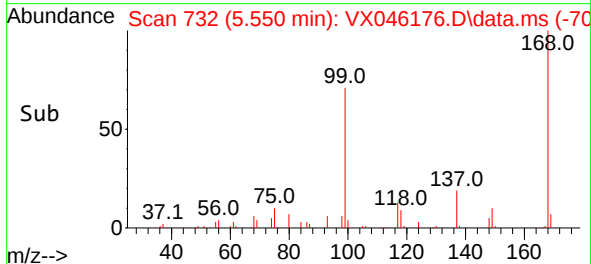
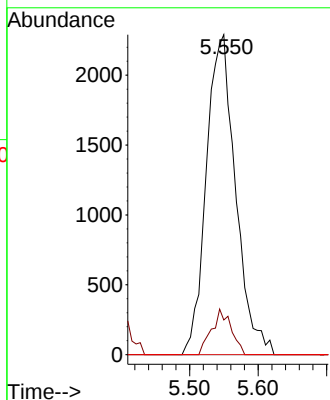
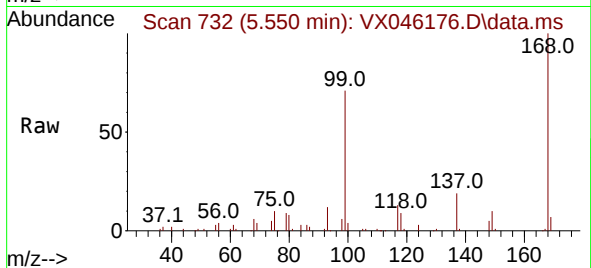




#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

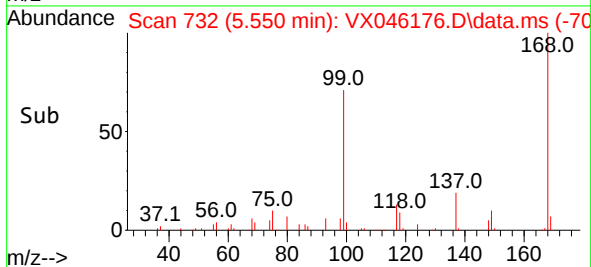
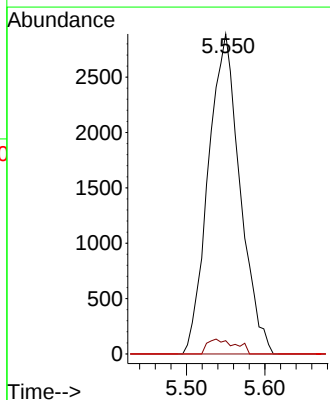
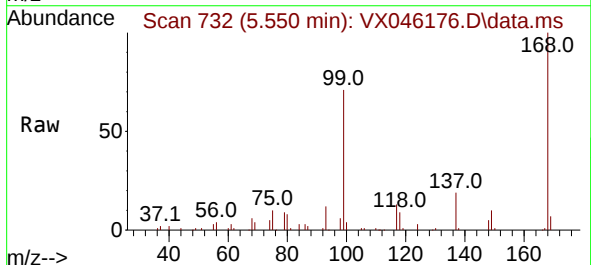
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

Tgt Ion: 75 Resp: 6793
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 117 Resp: 8141
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 24.2 36.4#

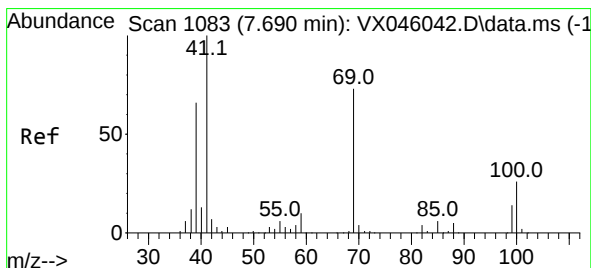
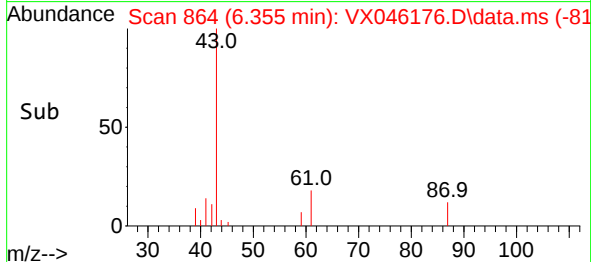
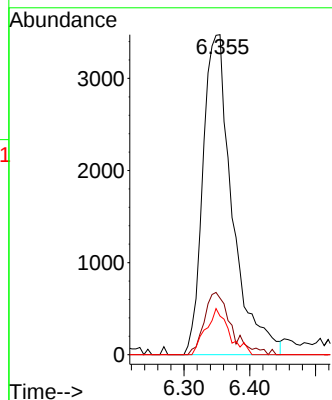
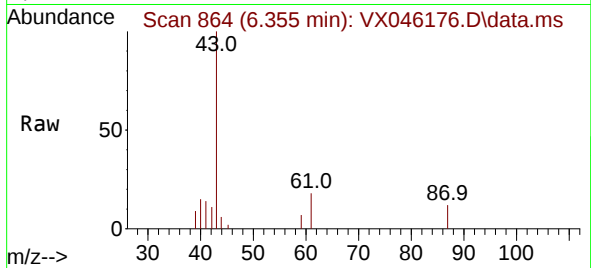




#43
Isopropyl Acetate
Concen: 4.314 ug/l
RT: 6.355 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

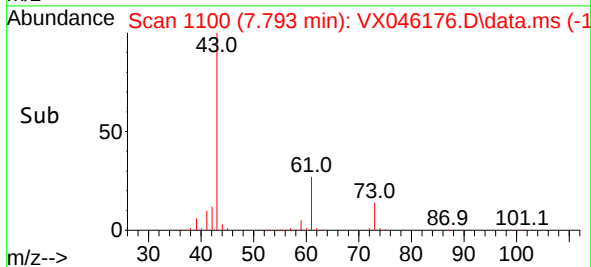
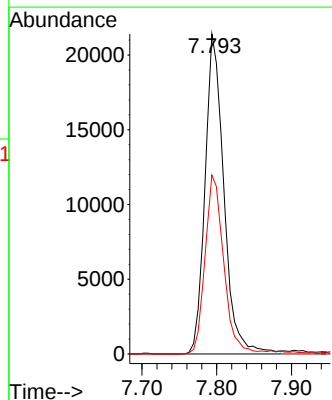
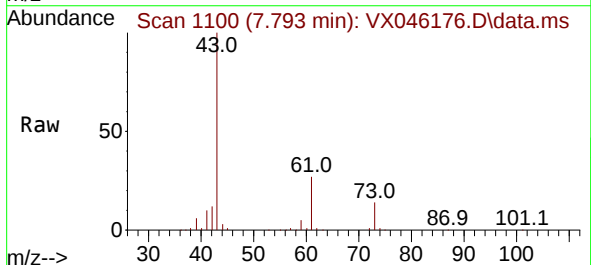
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

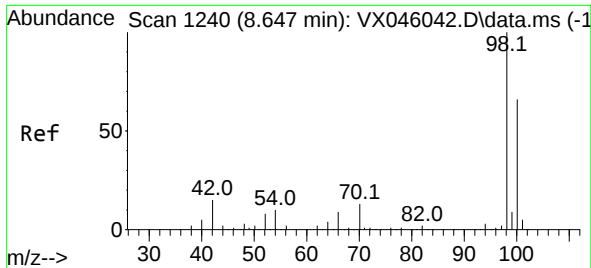
Tgt Ion: 43 Resp: 10768
Ion Ratio Lower Upper
43 100
61 18.0 14.3 21.5
87 11.4 9.5 14.3



#48
Methyl methacrylate
Concen: 29.400 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 41 Resp: 37475
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.8 51.7 77.5

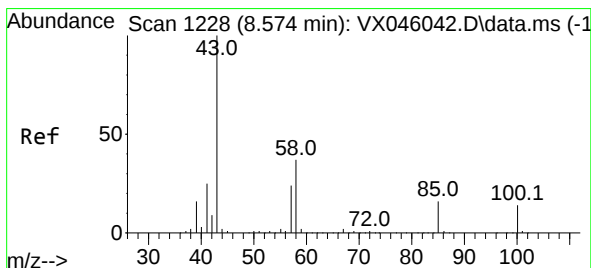
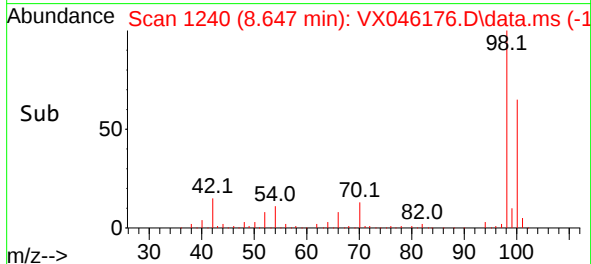
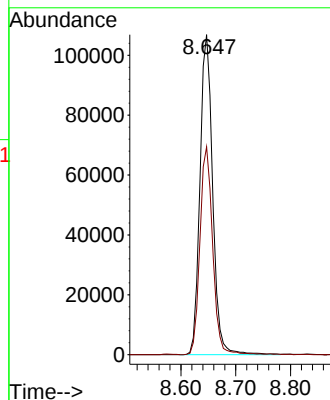
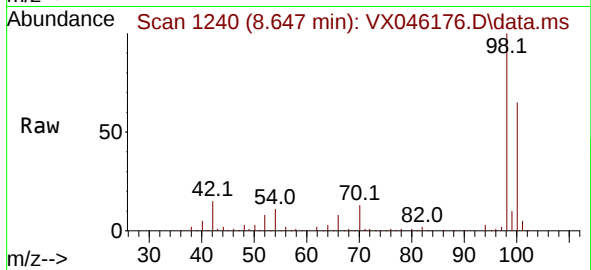




#50
Toluene-d8
Concen: 50.518 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

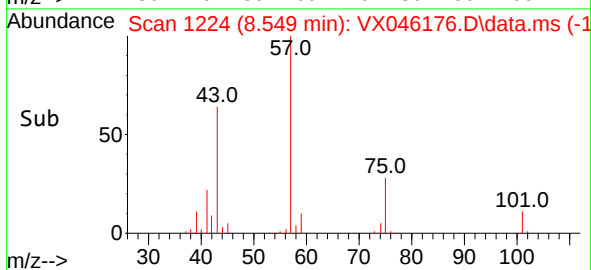
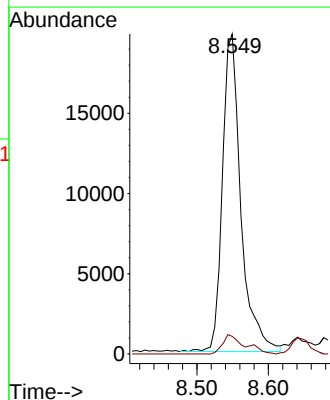
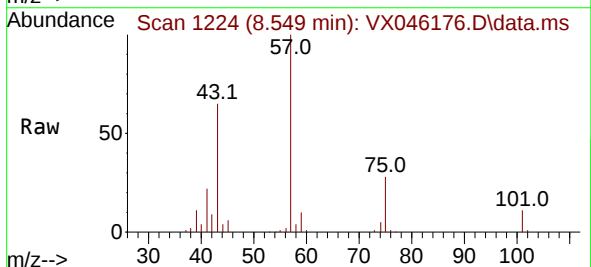
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

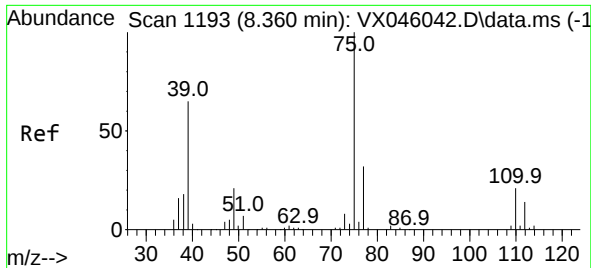
Tgt Ion: 98 Resp: 172323
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.414 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 43 Resp: 35476
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

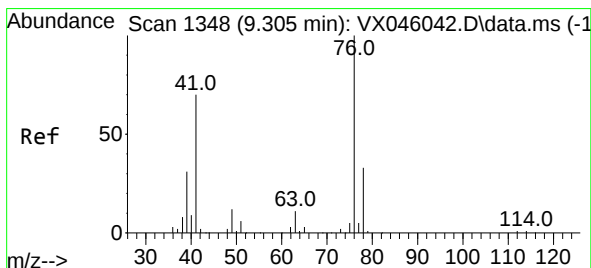
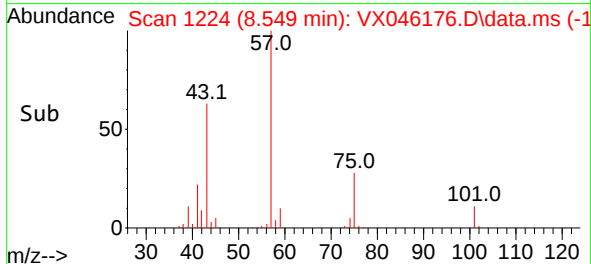
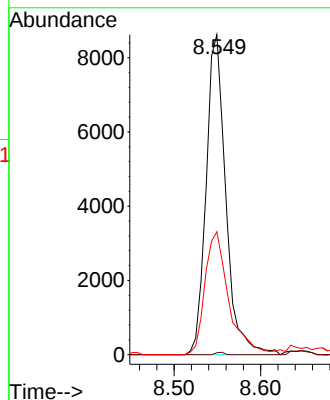
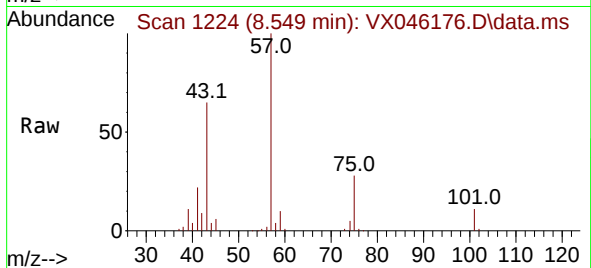




#54
 cis-1,3-Dichloropropene
 Concen: 9.243 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046176.D
 Acq: 13 May 2025 19:05

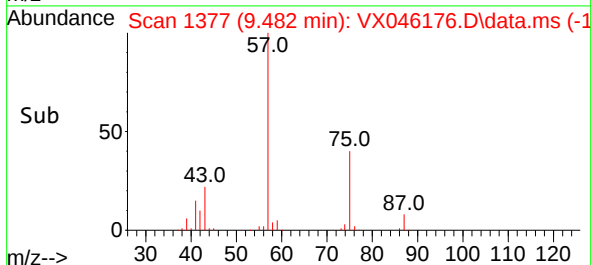
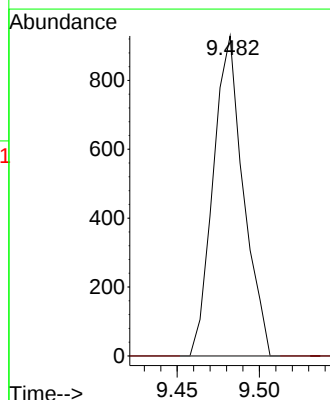
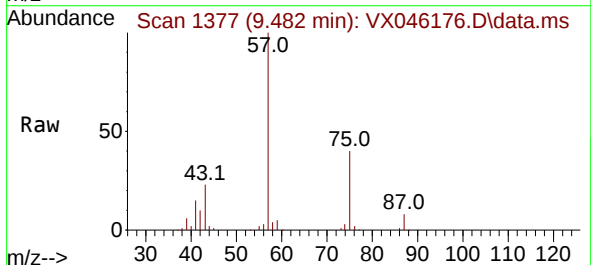
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-11

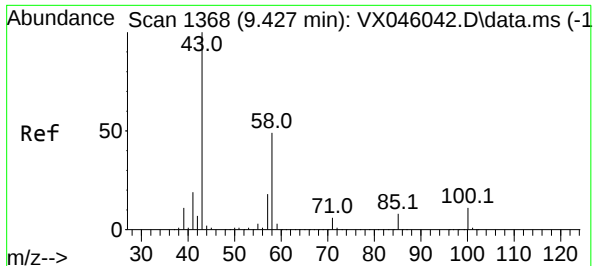
Tgt Ion: 75 Resp: 13604
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 38.4 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.705 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046176.D
 Acq: 13 May 2025 19:05

Tgt Ion: 76 Resp: 1188
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

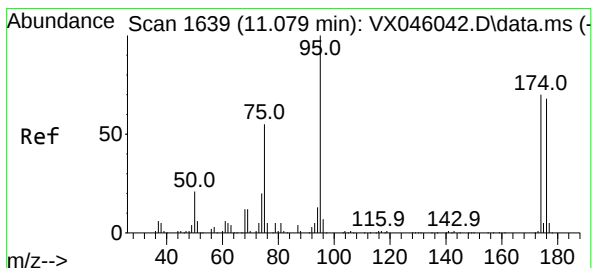
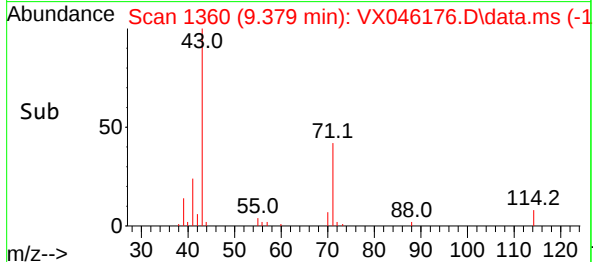
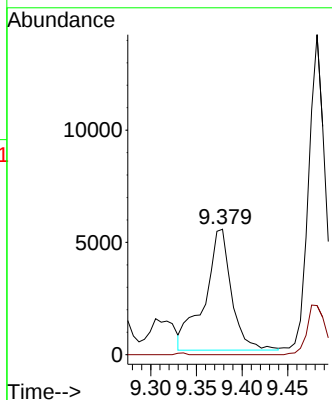
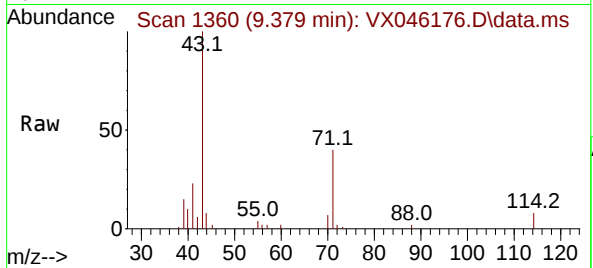




#59
2-Hexanone
Concen: 8.972 ug/l
RT: 9.379 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

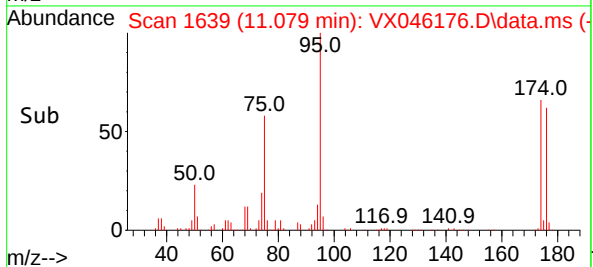
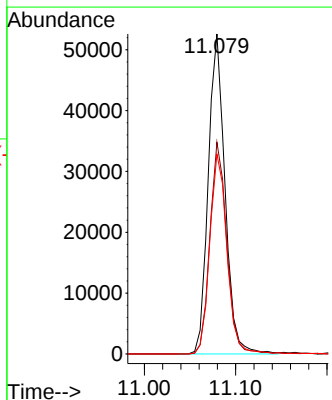
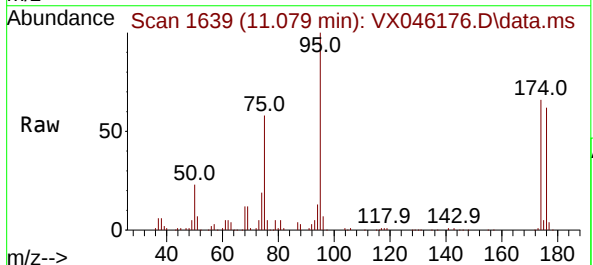
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

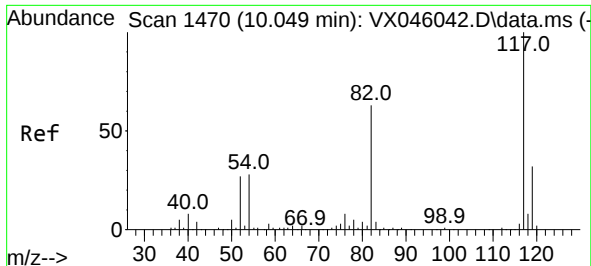
Tgt Ion: 43 Resp: 10997
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.071 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 95 Resp: 66824
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.0 0.0 131.4

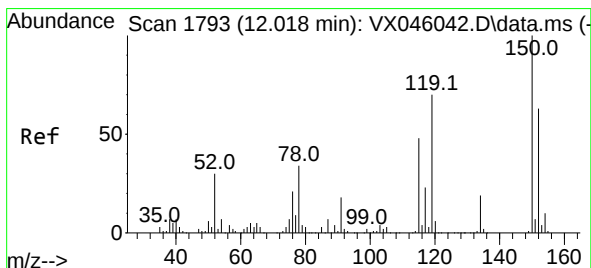
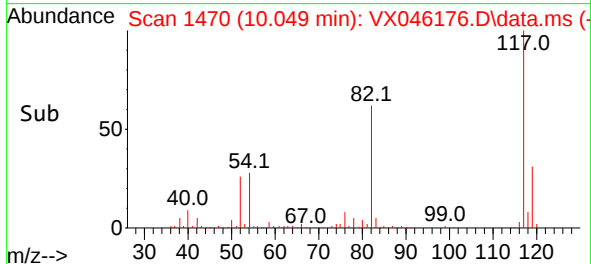
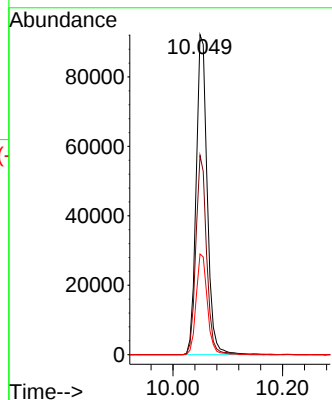
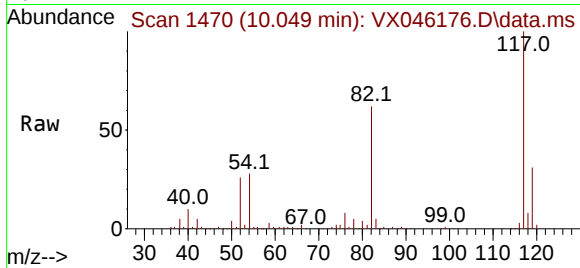




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

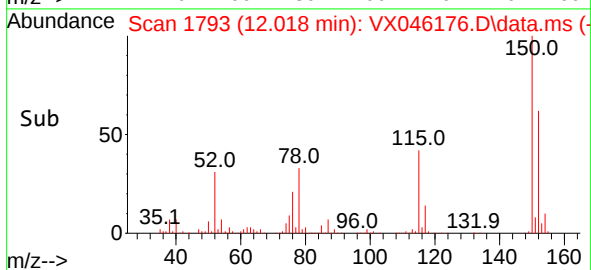
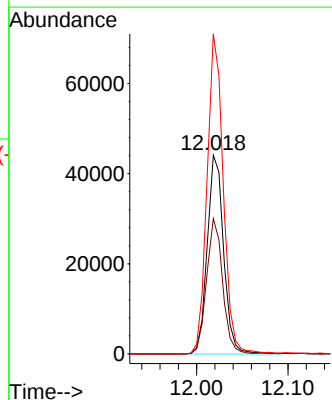
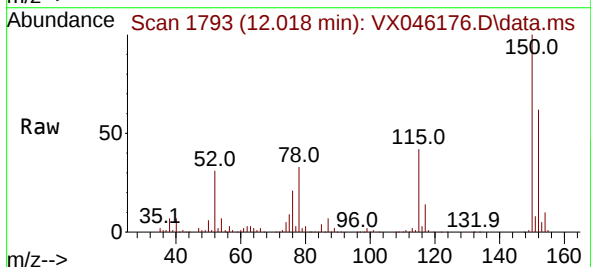
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

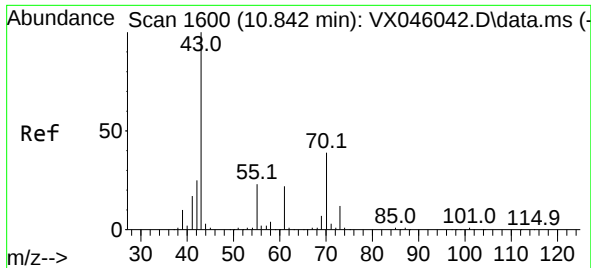
Tgt Ion:117 Resp: 129957
Ion Ratio Lower Upper
117 100
82 62.3 50.6 76.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion:152 Resp: 54879
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 159.0 0.0 351.0

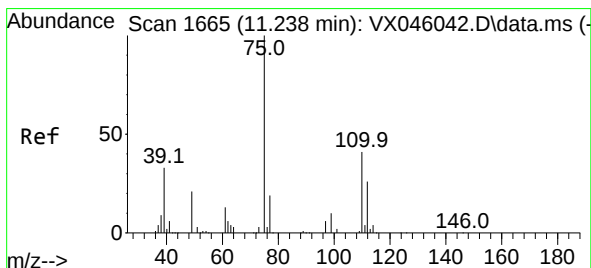
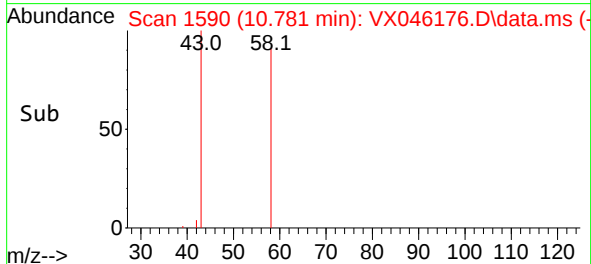
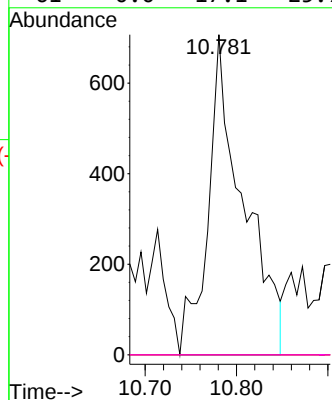
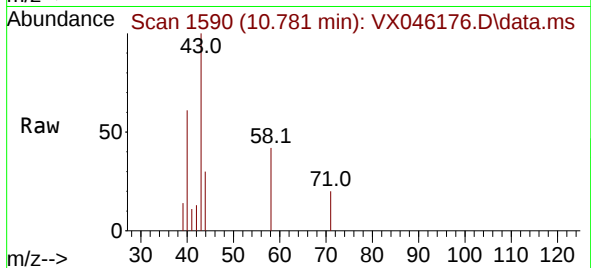




#74
N-amy1 acetate
Concen: 0.896 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

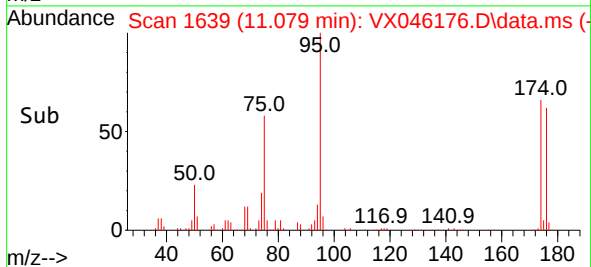
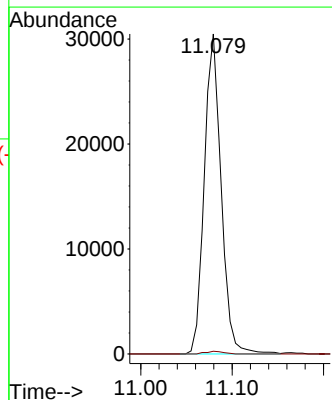
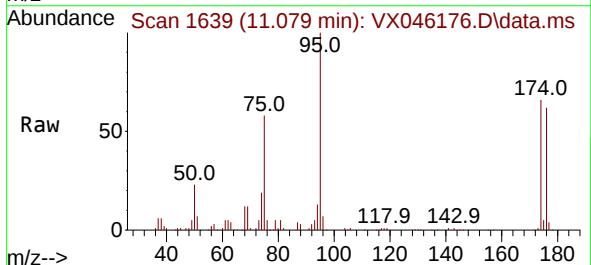
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

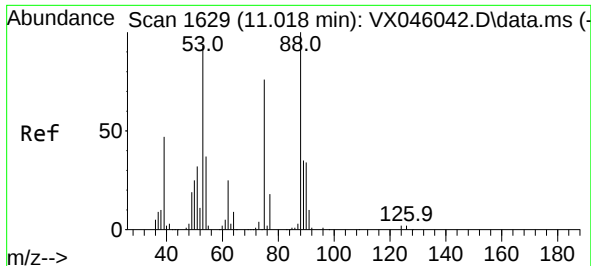
Tgt Ion:	43	Resp:	1892
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	0.0	18.7	28.1#
61	0.0	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 29.480 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion:	75	Resp:	38942
Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.5	61.5#

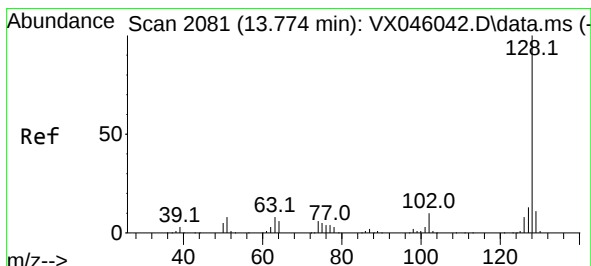
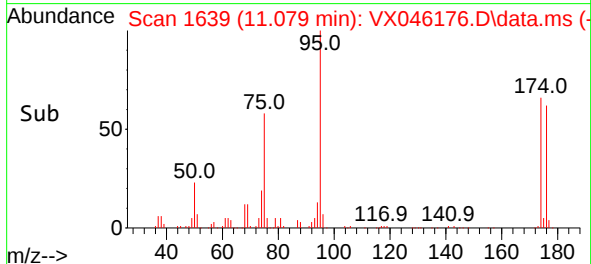
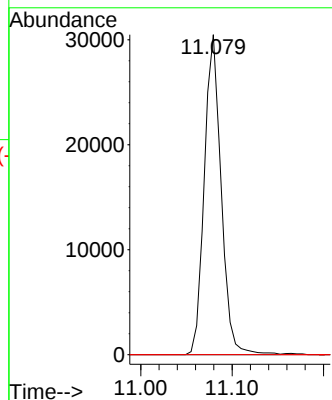
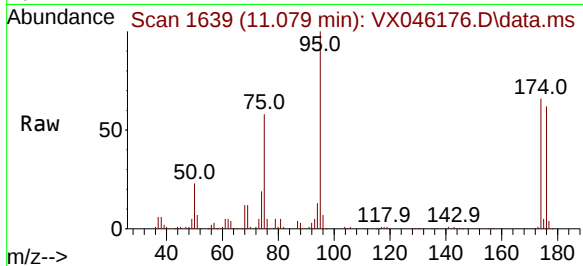




#81
trans-1,4-Dichloro-2-butene
Concen: 95.978 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-11

Tgt Ion: 75 Resp: 38942
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 3.855 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046176.D
Acq: 13 May 2025 19:05

Tgt Ion: 128 Resp: 14753
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.3 8.6 13.0

