

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046136.D
 Acq On : 12 May 2025 14:22
 Operator : JC/MD
 Sample : Q1983-36
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-06

Quant Time: May 13 03:18:30 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)

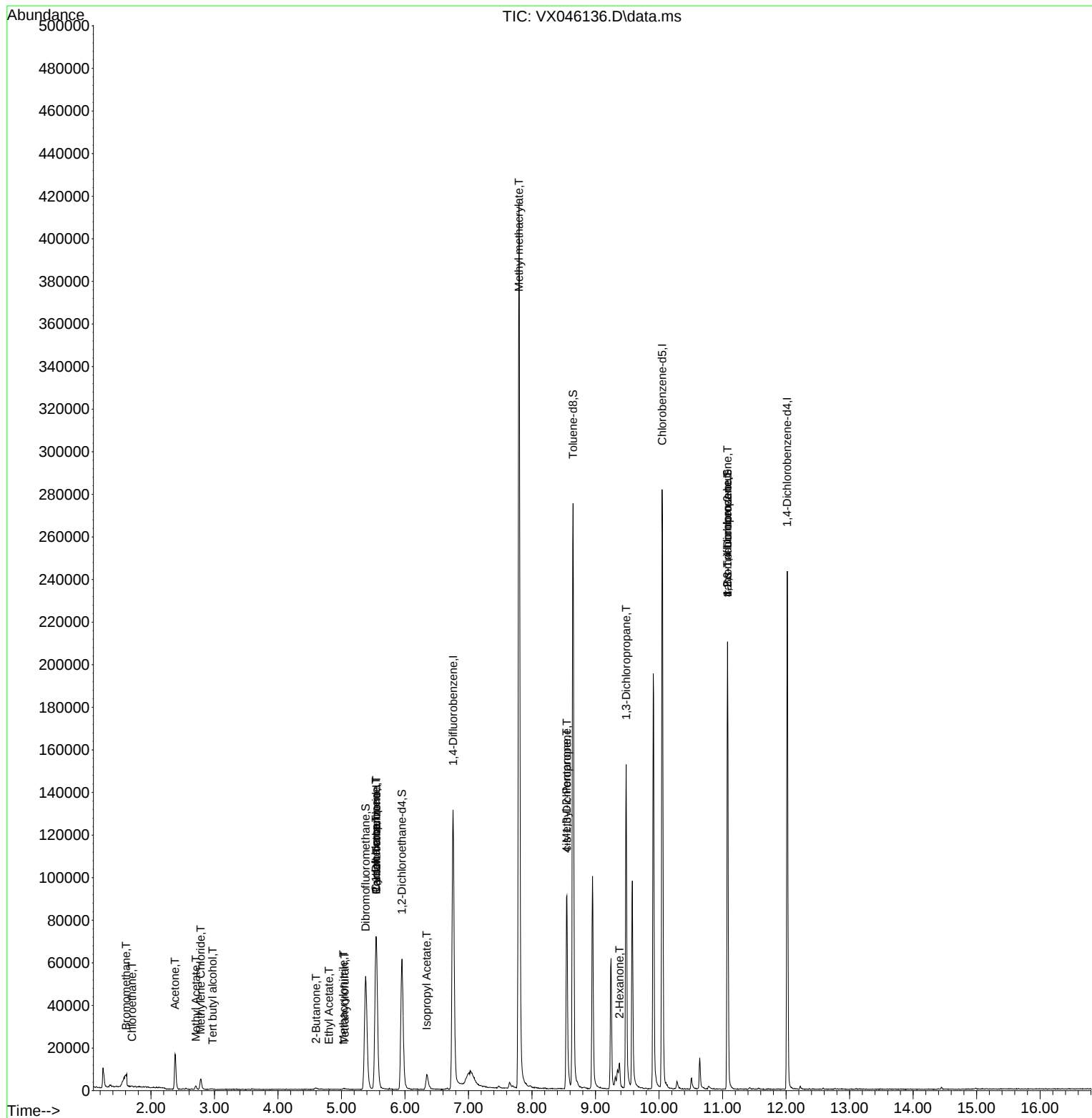
Internal Standards						
1) Pentafluorobenzene	5.550	168	62445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62464	53.655	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.320%	
35) Dibromofluoromethane	5.379	113	45461	50.808	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.620%	
50) Toluene-d8	8.647	98	157493	50.855	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	11.079	95	56852	47.858	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	176	0.440	ug/l #	4
6) Chloroethane	1.703	64	223	0.484	ug/l #	44
11) Tert butyl alcohol	2.971	59	272	1.664	ug/l #	72
16) Acetone	2.380	43	18395	39.408	ug/l	99
18) Methyl Acetate	2.709	43	2128	1.965	ug/l	91
20) Methylene Chloride	2.782	84	2337	2.613	ug/l	92
25) 2-Butanone	4.599	43	1653	2.439	ug/l #	79
29) Tetrahydrofuran	5.050	42	576	1.356	ug/l #	51
31) Cyclohexane	5.544	56	1635	1.178	ug/l #	45
36) 1,1-Dichloropropene	5.544	75	6148	5.114	ug/l #	53
37) Ethyl Acetate	4.800	43	346	0.233	ug/l #	70
38) Carbon Tetrachloride	5.550	117	7518	5.566	ug/l #	18
41) Methacrylonitrile	5.031	41	169	0.218	ug/l #	49
43) Isopropyl Acetate	6.342	43	10656	4.703	ug/l	99
48) Methyl methacrylate	7.793	41	41948	36.248	ug/l #	48
51) 4-Methyl-2-Pentanone	8.543	43	36406	24.205	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	14344	10.735	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1229	0.804	ug/l #	42
59) 2-Hexanone	9.378	43	11798	10.602	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	32177	29.900	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32177	97.346	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046136.D
Acq On : 12 May 2025 14:22
Operator : JC/MD
Sample : Q1983-36
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

Quant Time: May 13 03:18:30 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

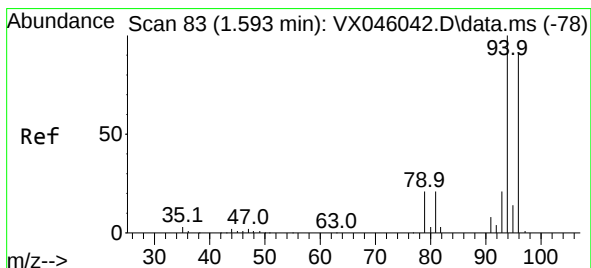
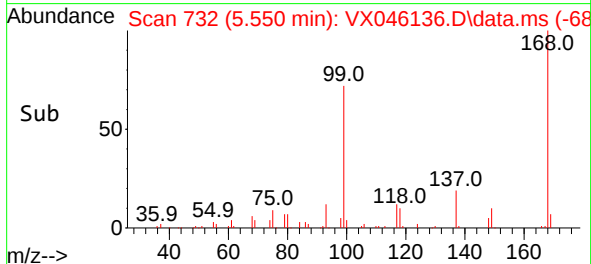
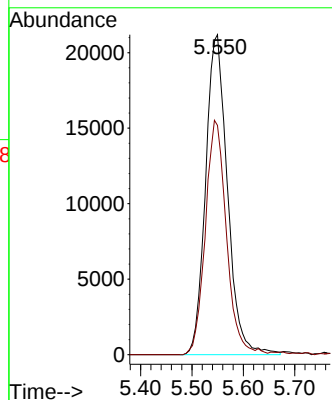
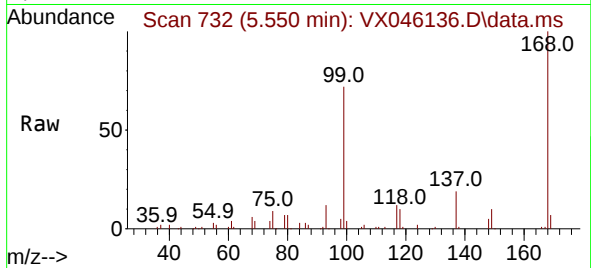




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

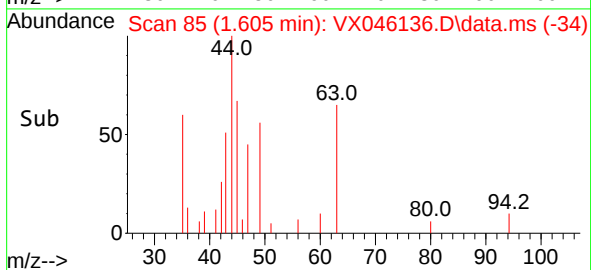
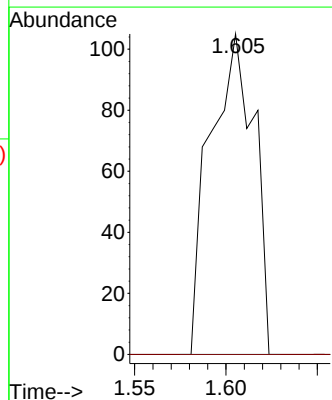
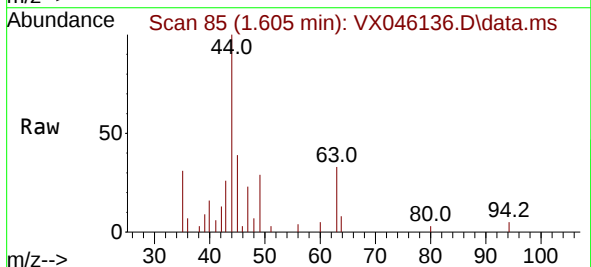
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

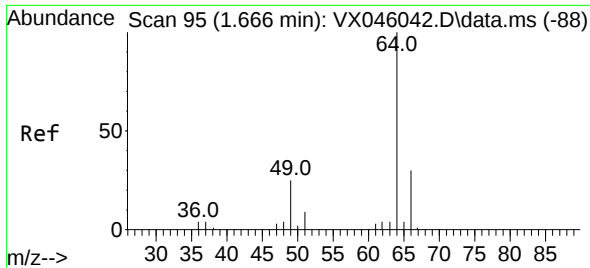
Tgt Ion:168 Resp: 62445
Ion Ratio Lower Upper
168 100
99 71.7 54.9 82.3



#5
Bromomethane
Concen: 0.440 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

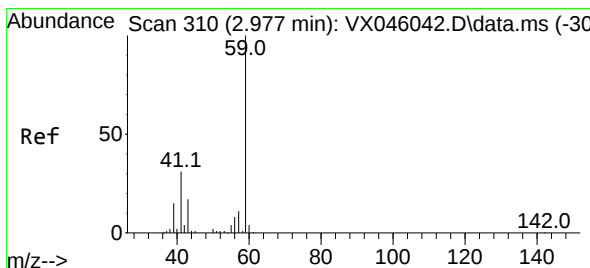
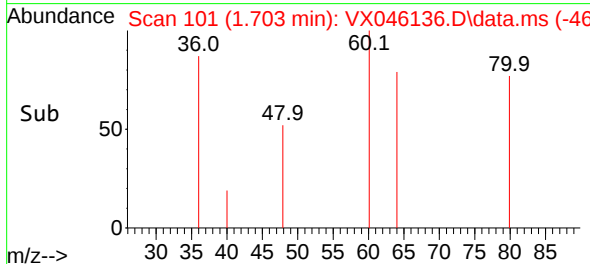
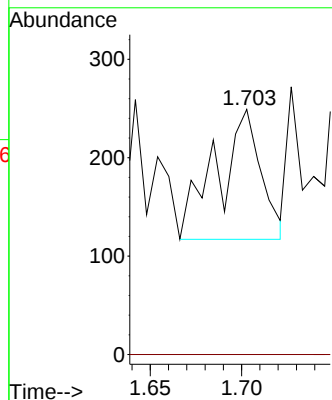
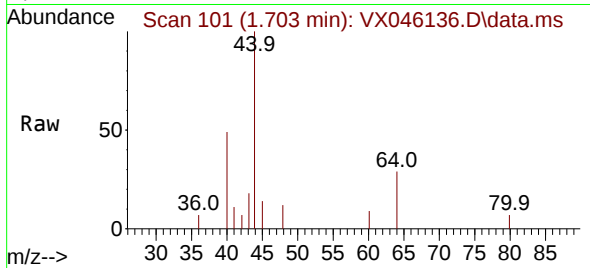




#6
Chloroethane
Concen: 0.484 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.036 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

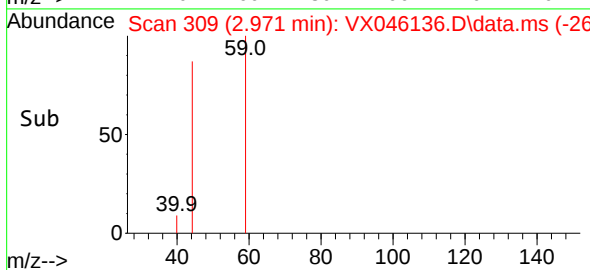
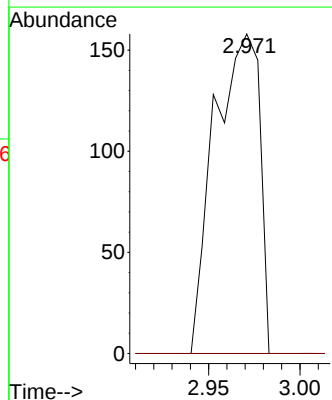
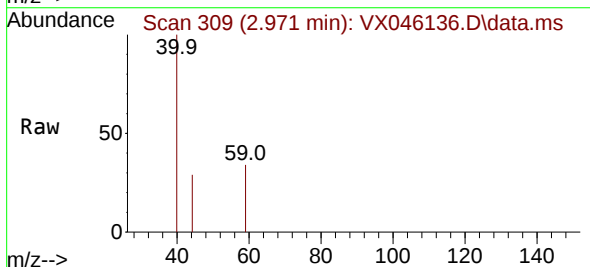
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

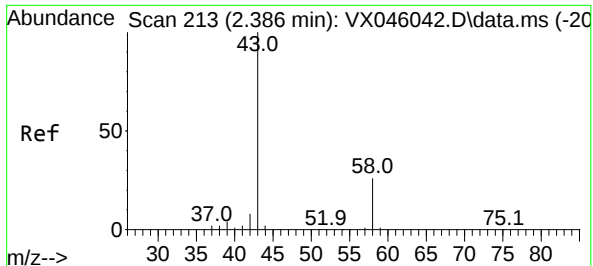
Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 1.664 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

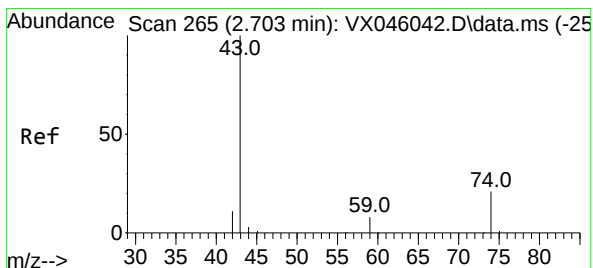
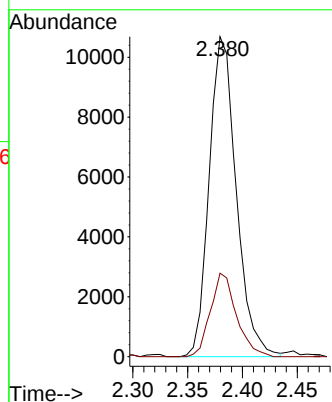
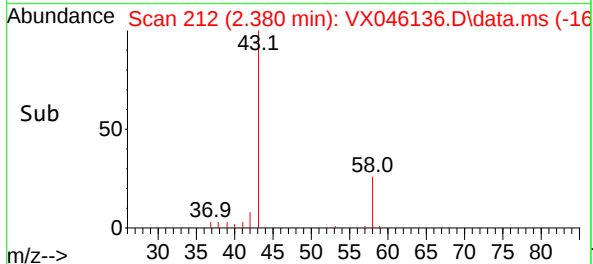
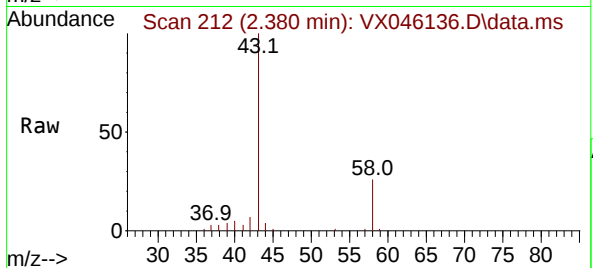




#16
Acetone
Concen: 39.408 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

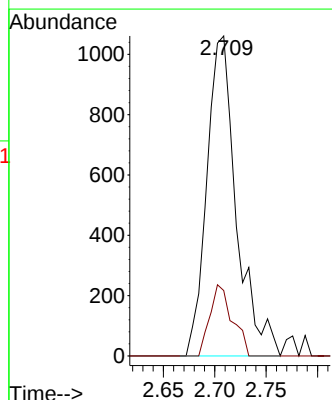
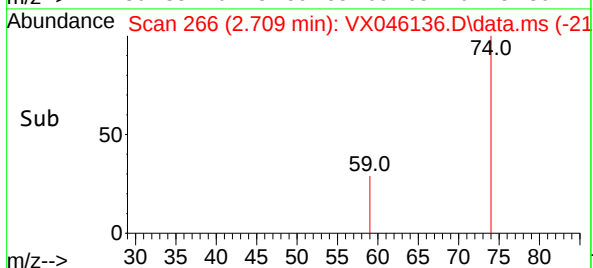
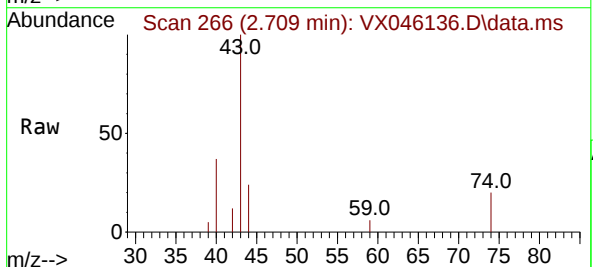
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

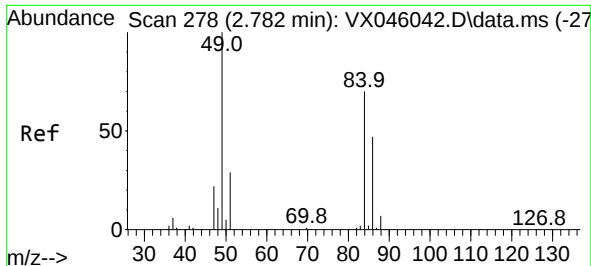
Tgt Ion: 43 Resp: 18395
Ion Ratio Lower Upper
43 100
58 26.1 21.2 31.8



#18
Methyl Acetate
Concen: 1.965 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 43 Resp: 2128
Ion Ratio Lower Upper
43 100
74 16.9 16.7 25.1

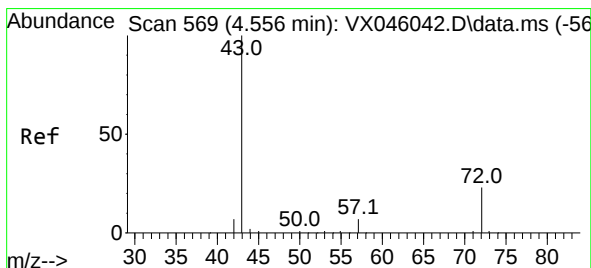
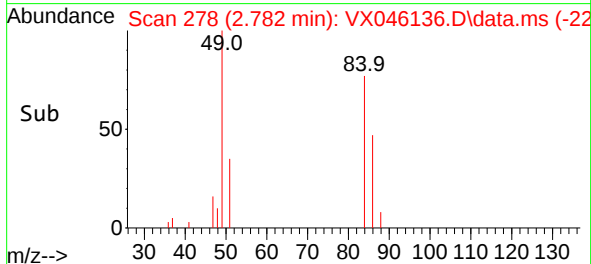
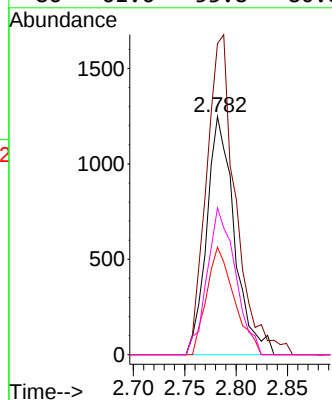
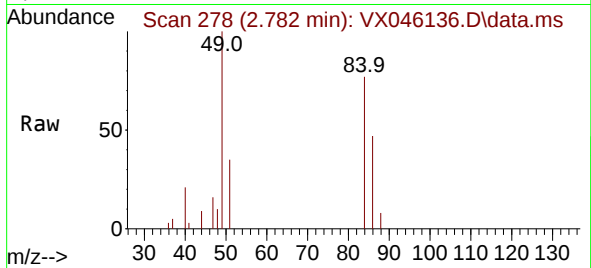




#20
Methylene Chloride
Concen: 2.613 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

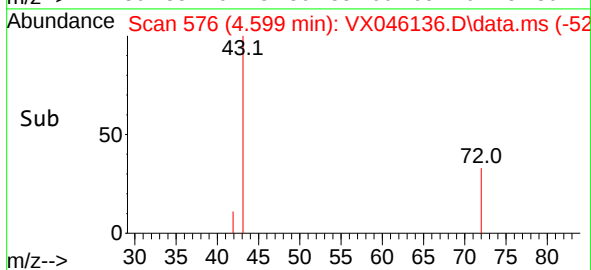
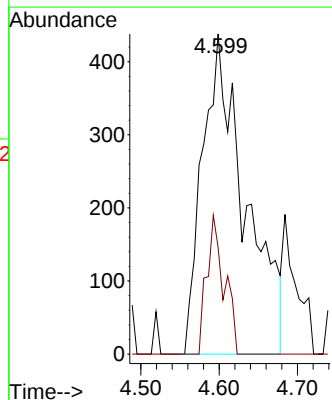
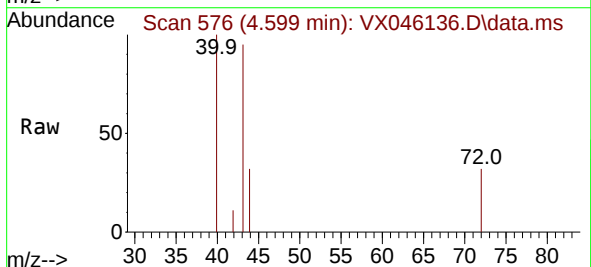
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

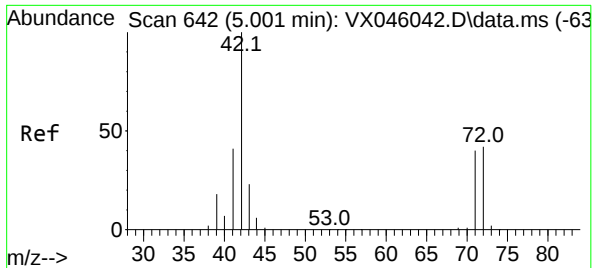
Tgt Ion:	84	Resp:	2337
Ion	Ratio	Lower	Upper
84	100		
49	130.6	113.9	170.9
51	45.2	33.5	50.3
86	61.6	53.8	80.8



#25
2-Butanone
Concen: 2.439 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion:	43	Resp:	1653
Ion	Ratio	Lower	Upper
43	100		
72	33.3	18.4	27.6#

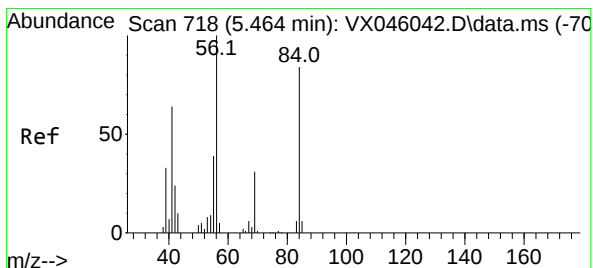
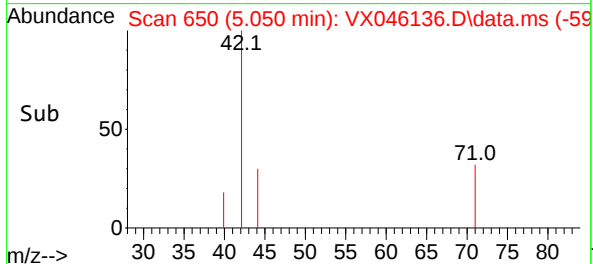
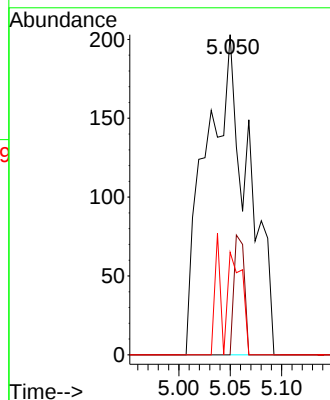
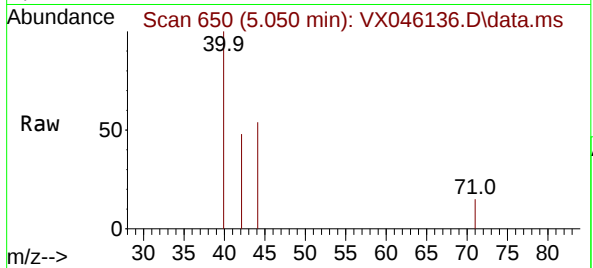




#29
Tetrahydrofuran
Concen: 1.356 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.049 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

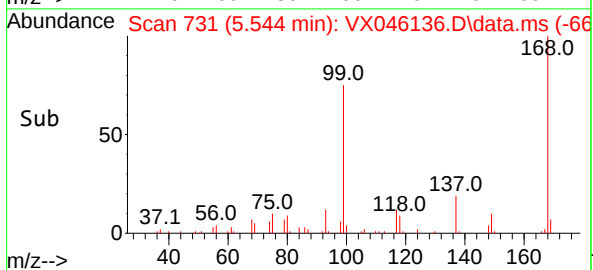
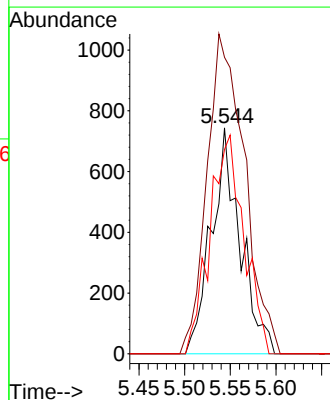
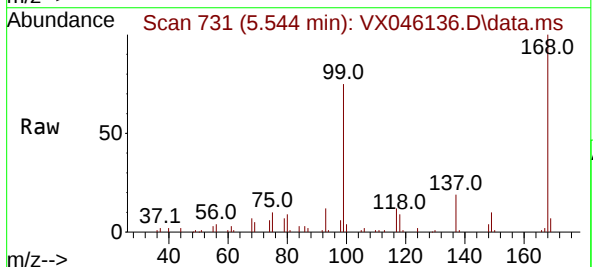
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

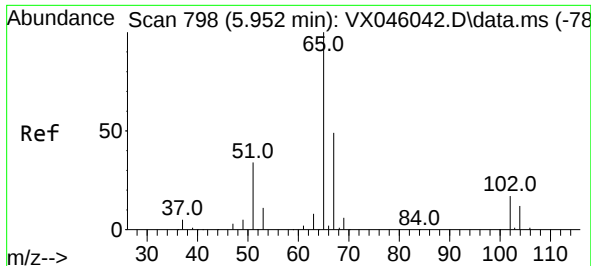
Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 9.2 33.7 50.5#
71 10.9 31.4 47.2#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 56 Resp: 1635
Ion Ratio Lower Upper
56 100
69 131.2 24.4 36.6#
84 90.5 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.655 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046136.D

Acq: 12 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

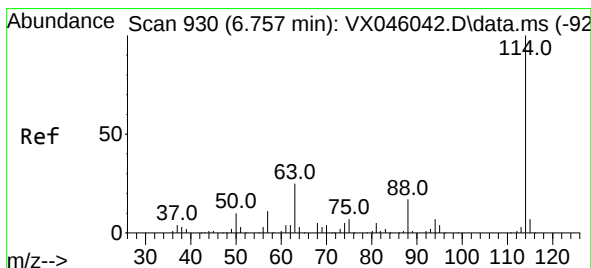
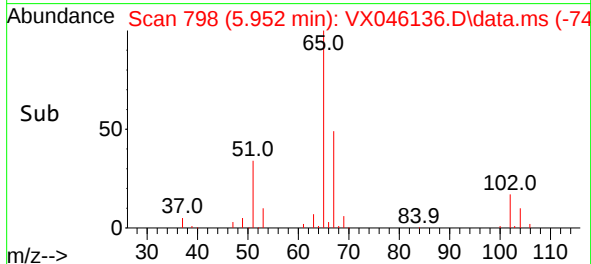
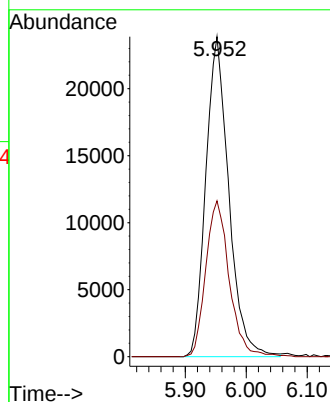
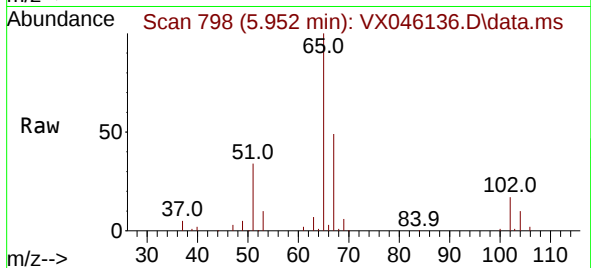
OR-636-COMP-06

Tgt Ion: 65 Resp: 62464

Ion Ratio Lower Upper

65 100

67 49.9 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: VX046136.D

Acq: 12 May 2025 14:22

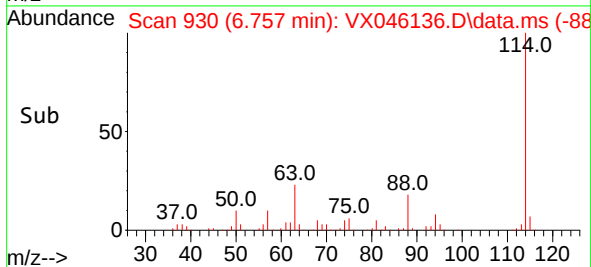
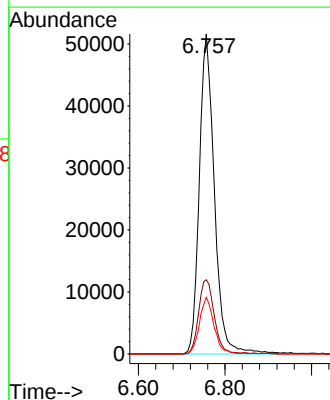
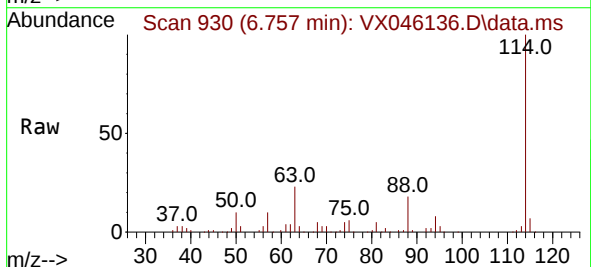
Tgt Ion: 114 Resp: 124254

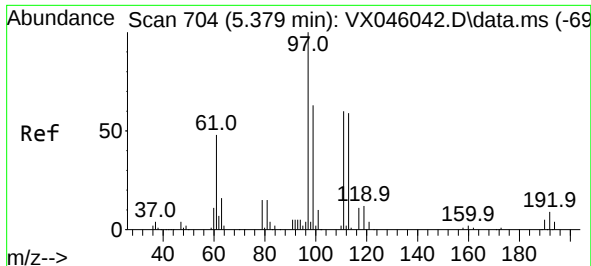
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.2

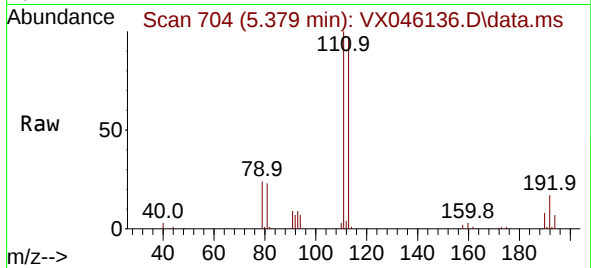
88 17.7 0.0 33.6



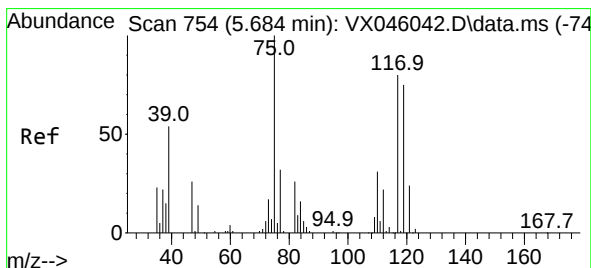
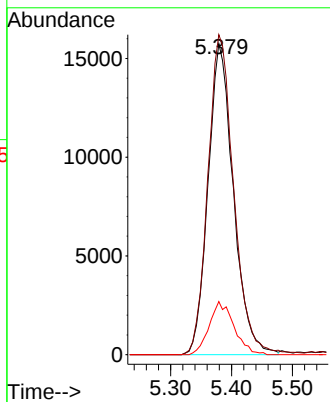
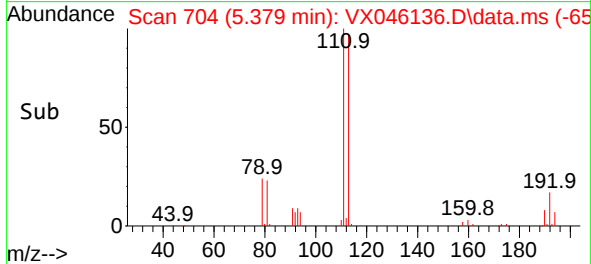


#35
Dibromofluoromethane
Concen: 50.808 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

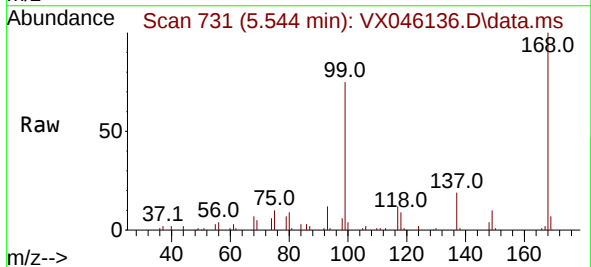
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06



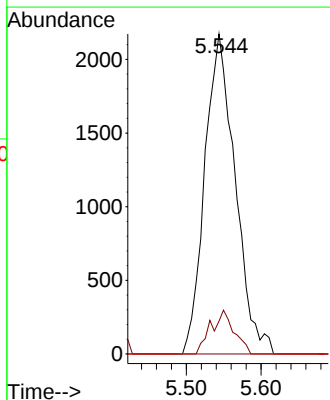
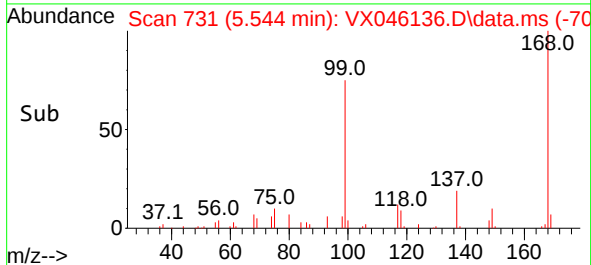
Tgt Ion:113 Resp: 45461
Ion Ratio Lower Upper
113 100
111 105.3 83.1 124.7
192 16.8 13.3 19.9

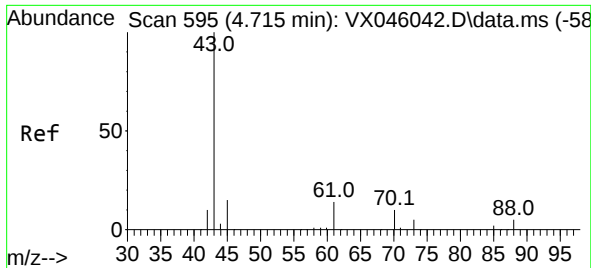


#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22



Tgt Ion: 75 Resp: 6148
Ion Ratio Lower Upper
75 100
110 10.4 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.233 ug/l

RT: 4.800 min Scan# 609

Delta R.T. 0.085 min

Lab File: VX046136.D

Acq: 12 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-06

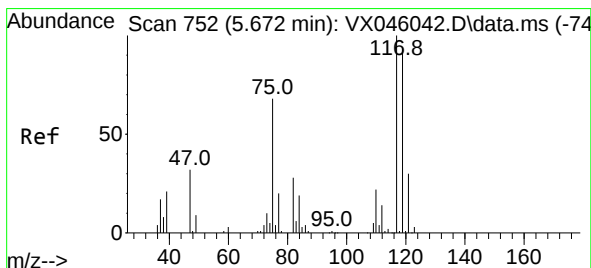
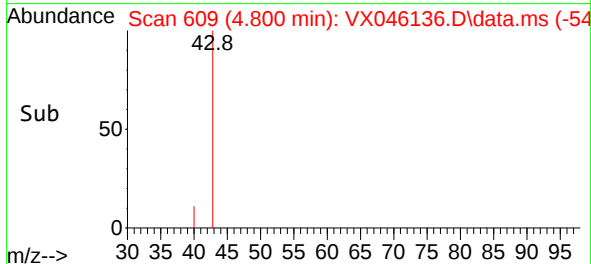
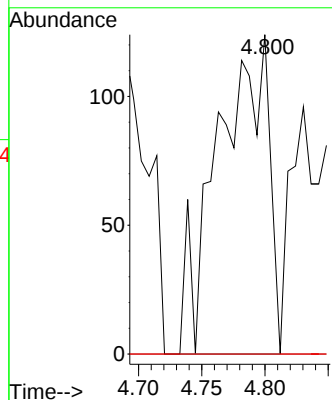
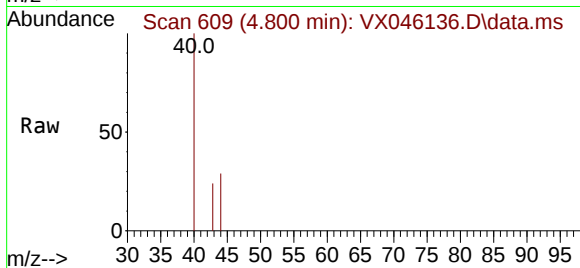
Tgt Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.566 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX046136.D

Acq: 12 May 2025 14:22

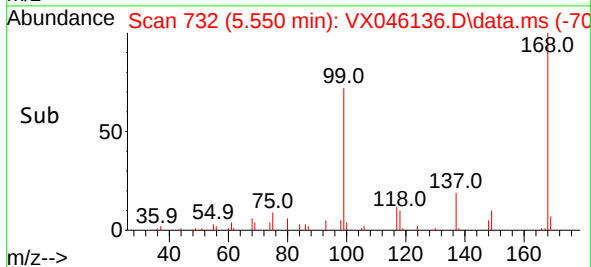
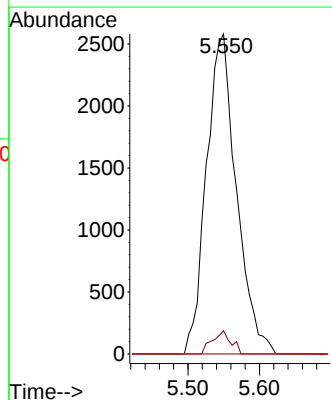
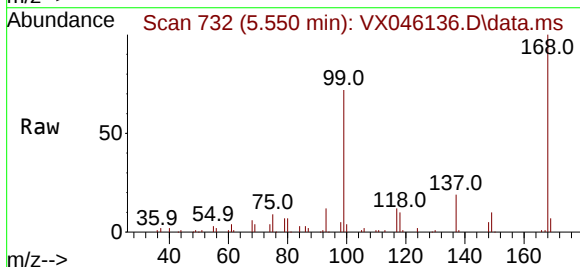
Tgt Ion: 117 Resp: 7518

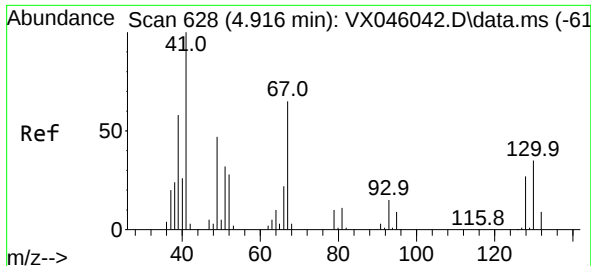
Ion Ratio Lower Upper

117 100

119 7.2 75.2 112.8#

121 0.0 24.2 36.4#

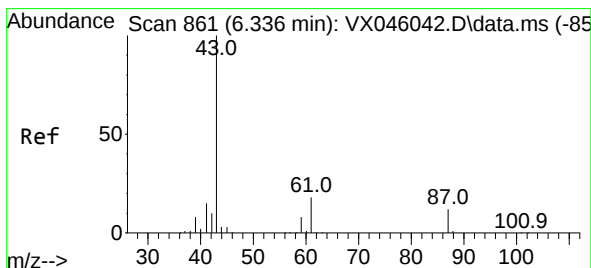
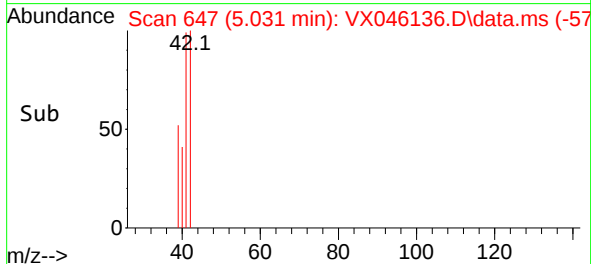
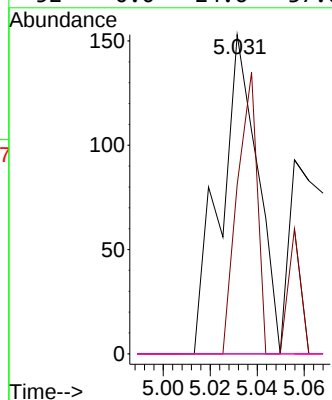
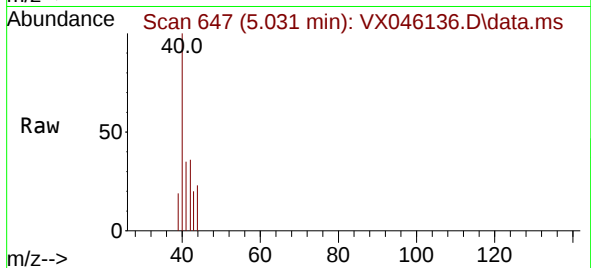




#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

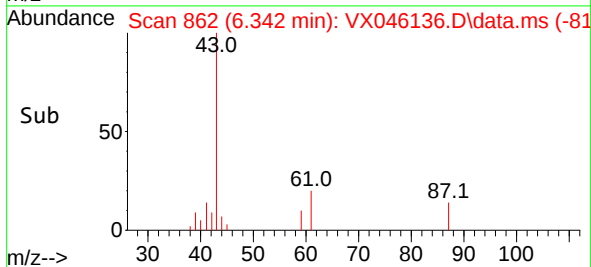
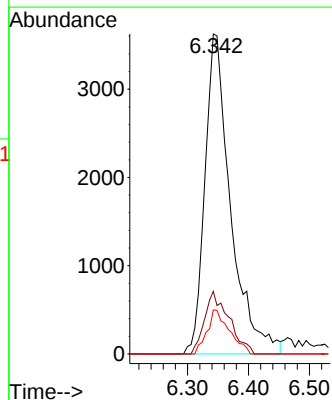
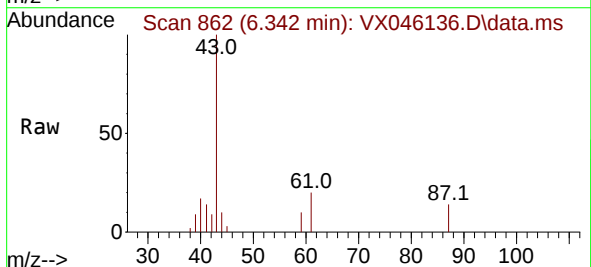
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

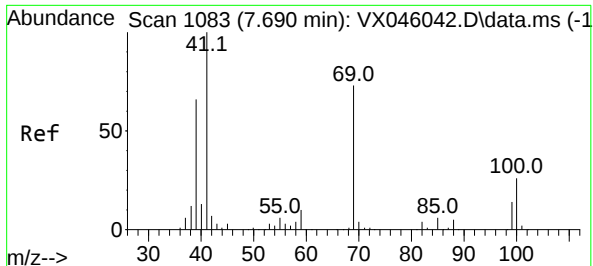
Tgt Ion:	41	Resp:	169
Ion	Ratio	Lower	Upper
41	100		
39	46.7	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#43
Isopropyl Acetate
Concen: 4.703 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion:	43	Resp:	10656
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.3	21.5
87	11.9	9.5	14.3





#48

Methyl methacrylate

Concen: 36.248 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX046136.D

Acq: 12 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-06

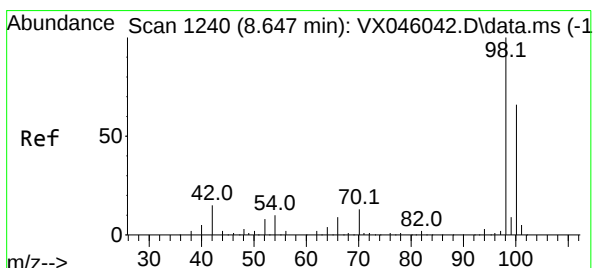
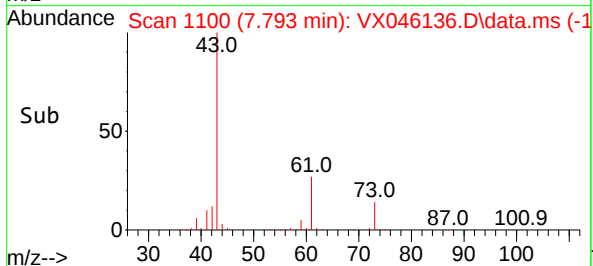
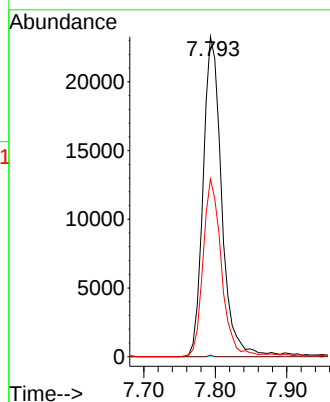
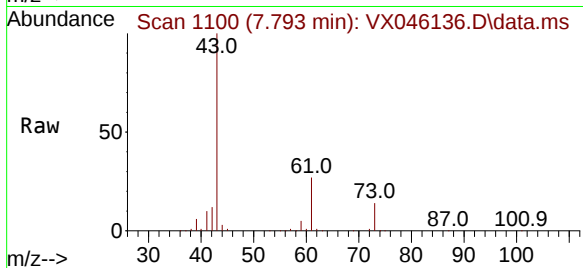
Tgt Ion: 41 Resp: 41948

Ion Ratio Lower Upper

41 100

69 0.1 58.5 87.7#

39 55.1 51.7 77.5



#50

Toluene-d8

Concen: 50.855 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046136.D

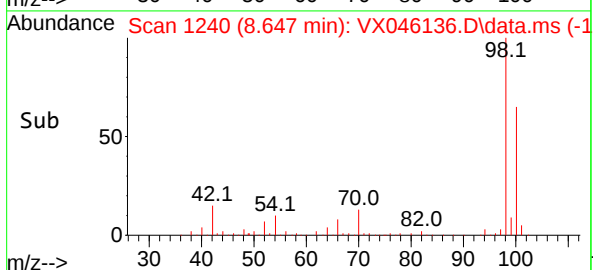
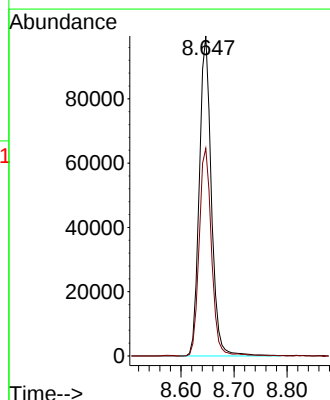
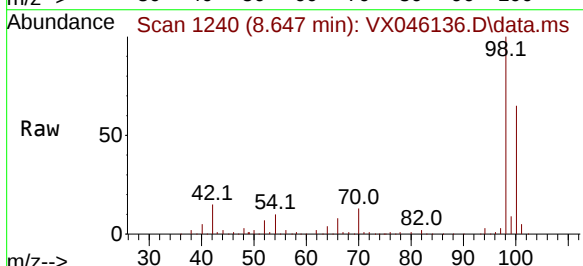
Acq: 12 May 2025 14:22

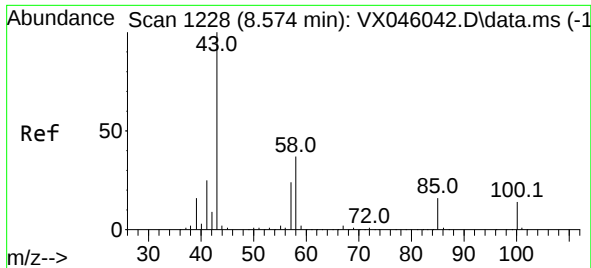
Tgt Ion: 98 Resp: 157493

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3

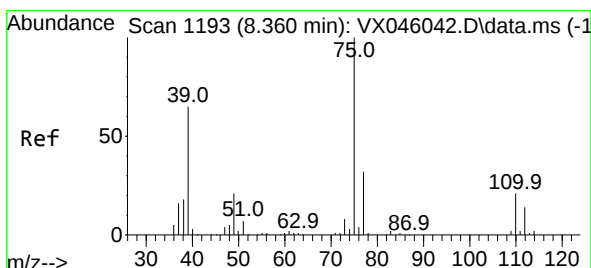
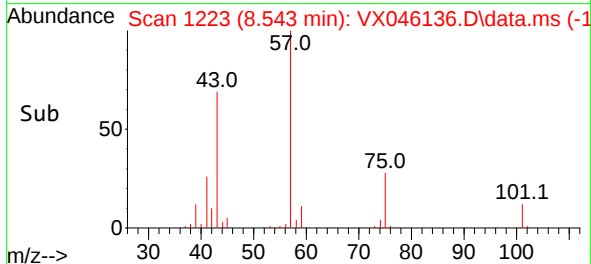
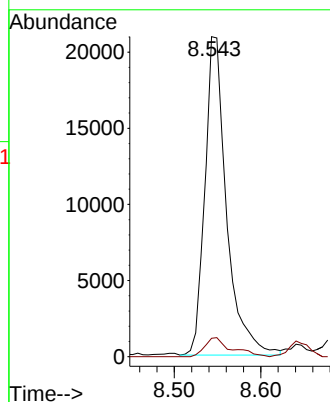
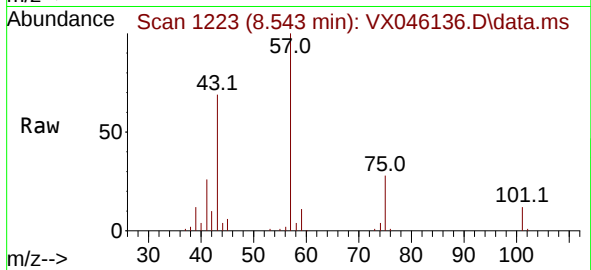




#51
4-Methyl-2-Pentanone
Concen: 24.205 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

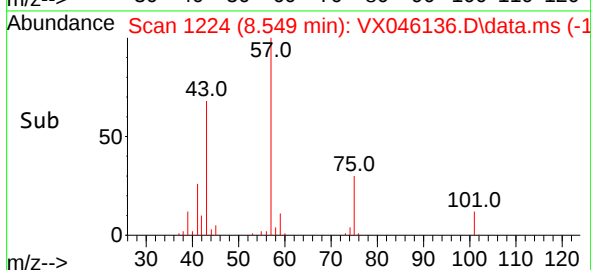
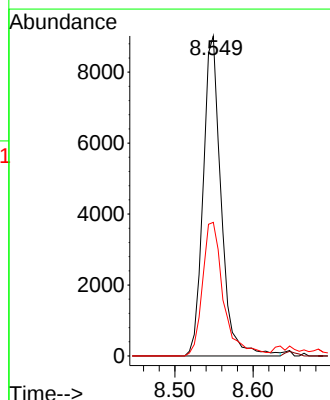
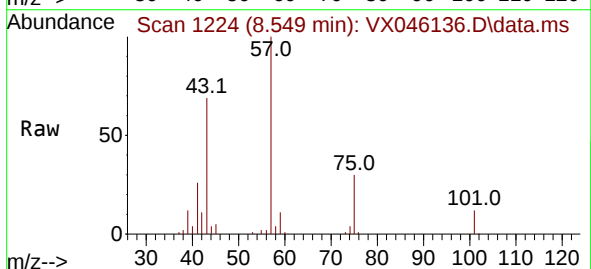
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

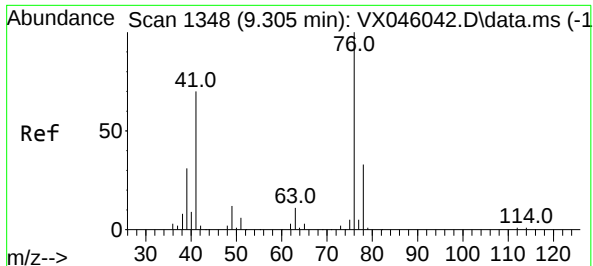
Tgt Ion: 43 Resp: 36406
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.735 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 75 Resp: 14344
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: 0.804 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046136.D

Acq: 12 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

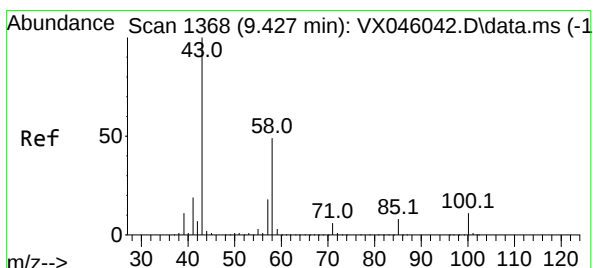
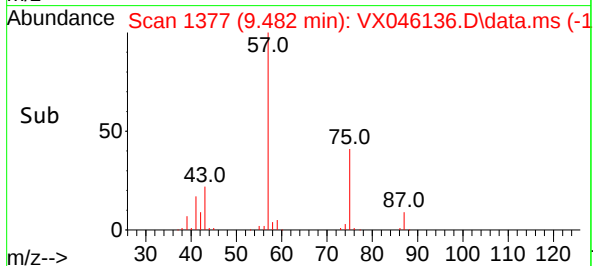
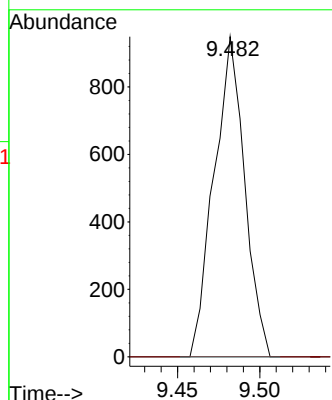
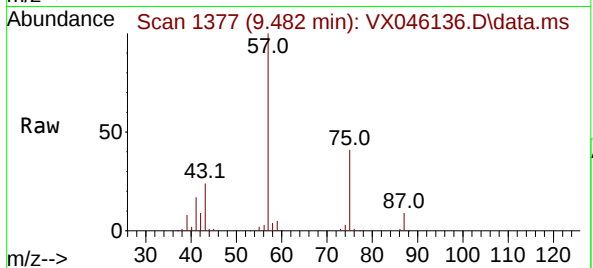
OR-636-COMP-06

Tgt Ion: 76 Resp: 1229

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.602 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046136.D

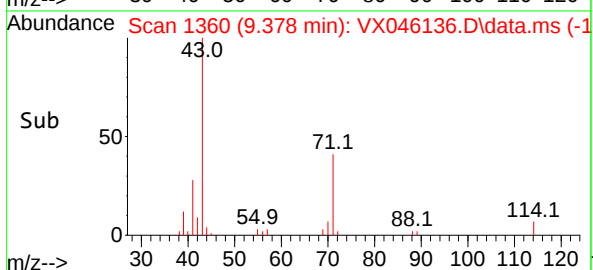
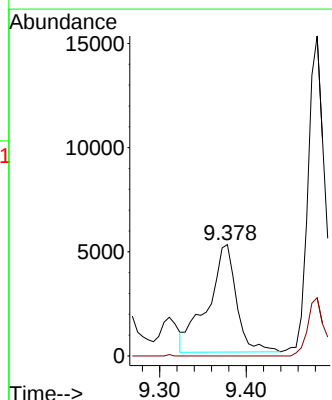
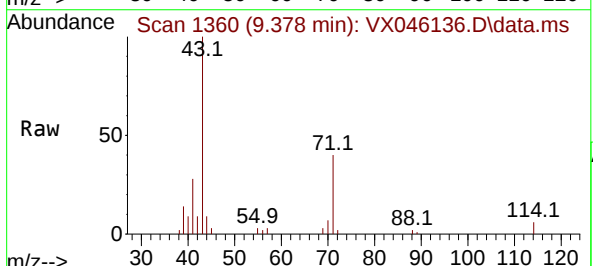
Acq: 12 May 2025 14:22

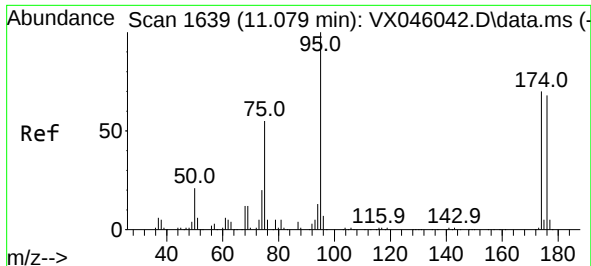
Tgt Ion: 43 Resp: 11798

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

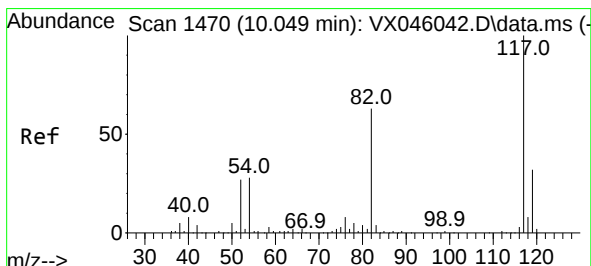
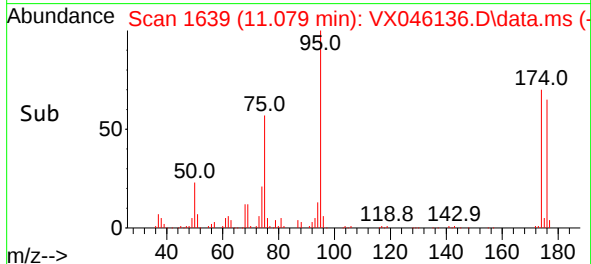
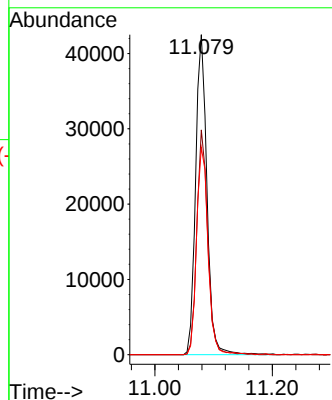
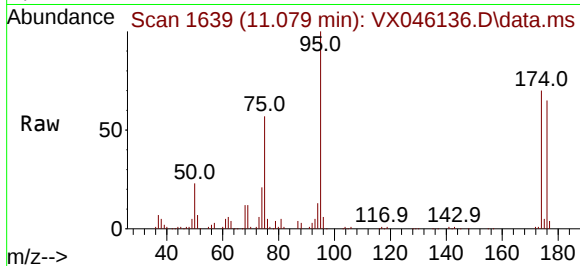




#62
4-Bromofluorobenzene
Concen: 47.858 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

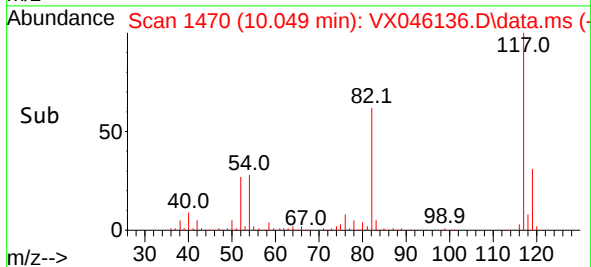
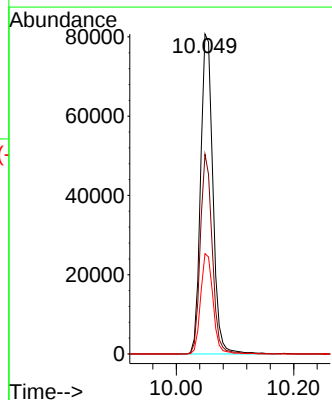
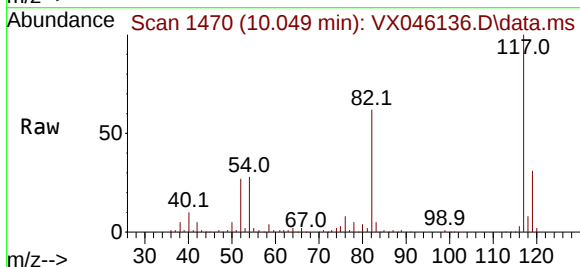
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

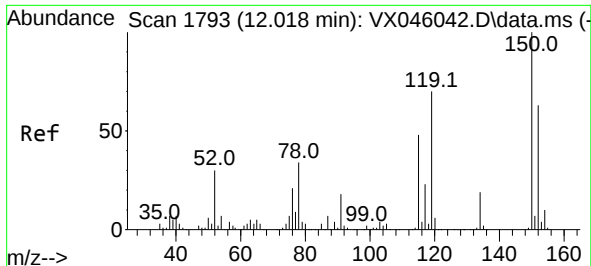
Tgt Ion: 95 Resp: 56852
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

Tgt Ion: 117 Resp: 116765
Ion Ratio Lower Upper
117 100
82 62.4 50.6 76.0
119 31.4 25.8 38.6

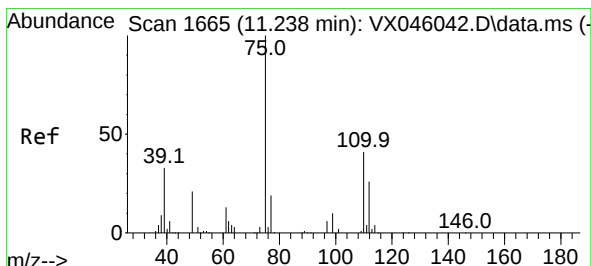
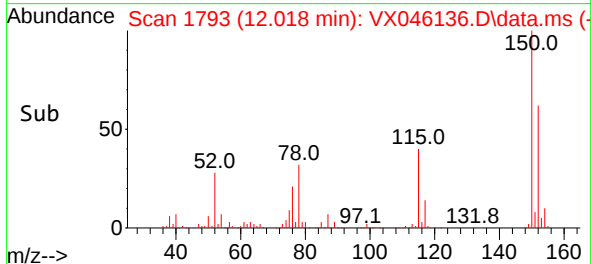
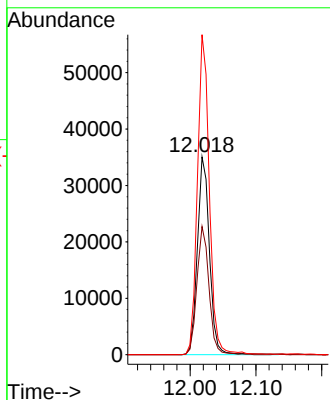
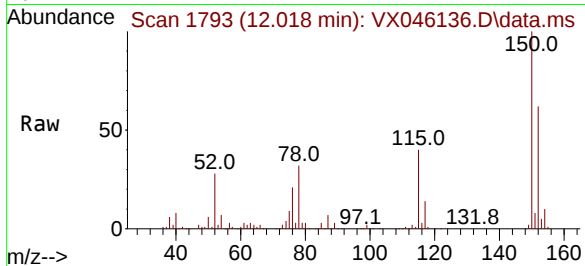




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

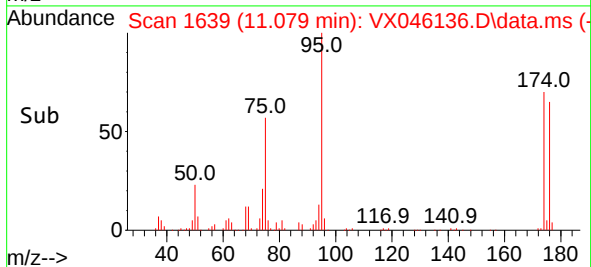
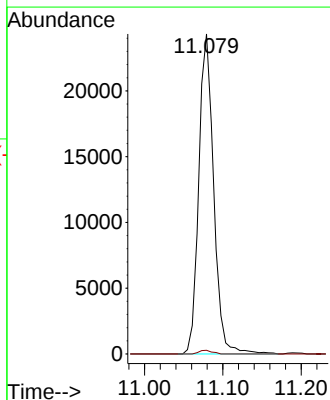
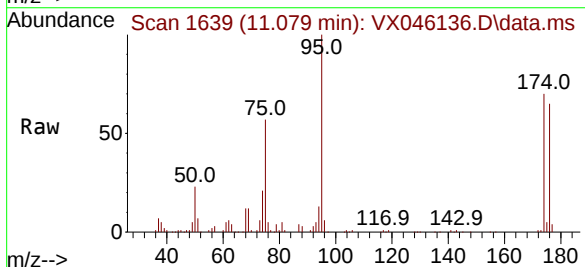
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-06

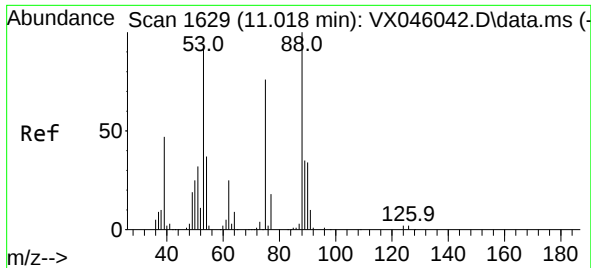
Tgt Ion:152 Resp: 44708
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 159.5 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 29.900 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046136.D
Acq: 12 May 2025 14:22

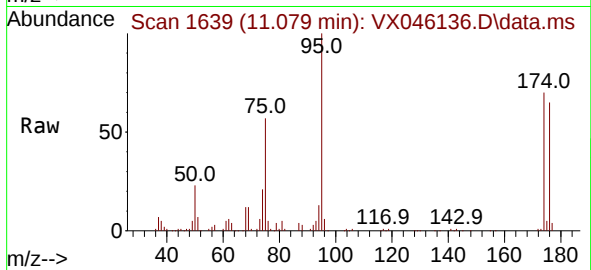
Tgt Ion: 75 Resp: 32177
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.346 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX046136.D
 Acq: 12 May 2025 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-06



Tgt Ion: 75 Resp: 32177
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

