

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046132.D
 Acq On : 12 May 2025 12:49
 Operator : JC/MD
 Sample : Q1983-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-02

Quant Time: May 13 03:16:58 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)

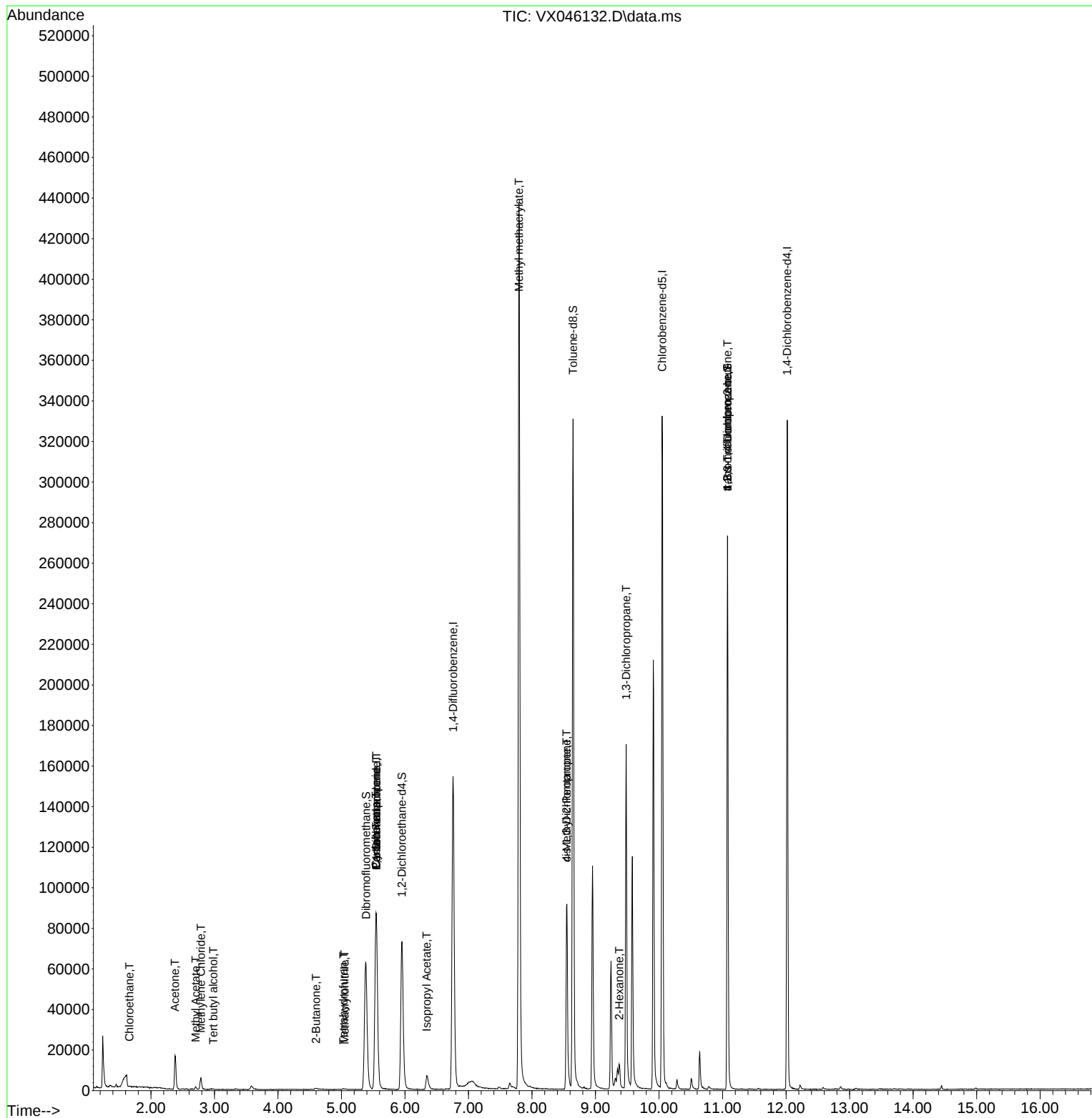
Internal Standards						
1) Pentafluorobenzene	5.549	168	74922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75584	54.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.220%	
35) Dibromofluoromethane	5.385	113	55466	51.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	8.646	98	188300	50.245	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	11.079	95	71028	49.409	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.820%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	130	0.235	ug/l #	44
11) Tert butyl alcohol	2.983	59	371	1.892	ug/l #	72
16) Acetone	2.379	43	18167	32.438	ug/l	98
18) Methyl Acetate	2.702	43	1711	1.317	ug/l	95
20) Methylene Chloride	2.788	84	2635	2.455	ug/l	95
25) 2-Butanone	4.598	43	1598	1.965	ug/l #	81
29) Tetrahydrofuran	5.031	42	259	0.508	ug/l #	61
31) Cyclohexane	5.543	56	2473	1.486	ug/l #	37
36) 1,1-Dichloropropene	5.549	75	7590	5.217	ug/l #	52
38) Carbon Tetrachloride	5.549	117	9072	5.550	ug/l #	16
41) Methacrylonitrile	5.050	41	273	0.290	ug/l #	34
43) Isopropyl Acetate	6.342	43	10979	4.004	ug/l	94
48) Methyl methacrylate	7.793	41	44675	31.901	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	37048	20.354	ug/l #	51
54) cis-1,3-Dichloropropene	8.543	75	14486	8.958	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1343	0.726	ug/l #	42
59) 2-Hexanone	9.372	43	10968	8.145	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	39707	27.590	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39707	89.823	ug/l #	1

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

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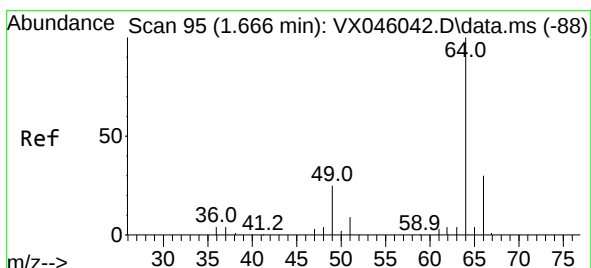
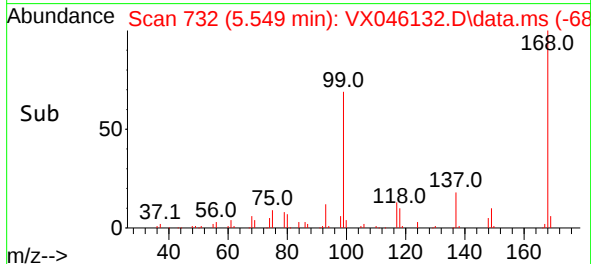
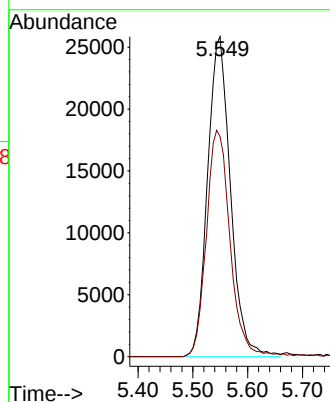
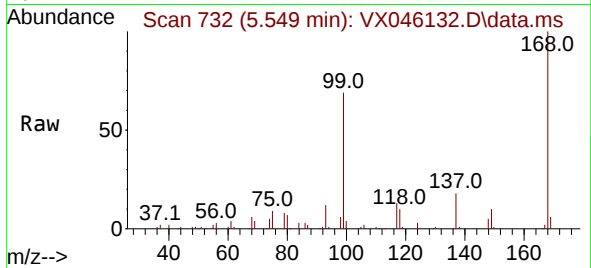




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

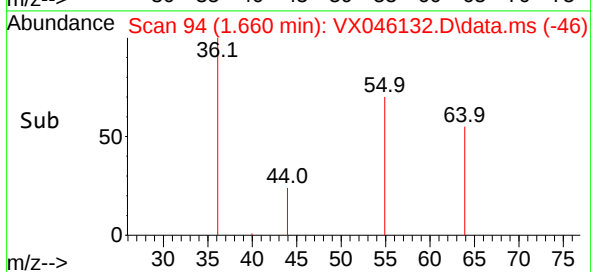
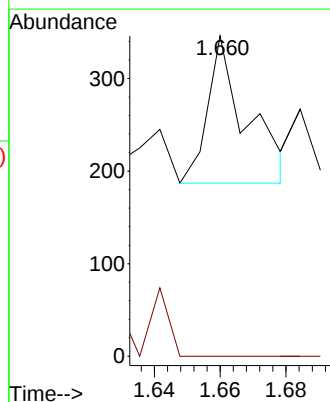
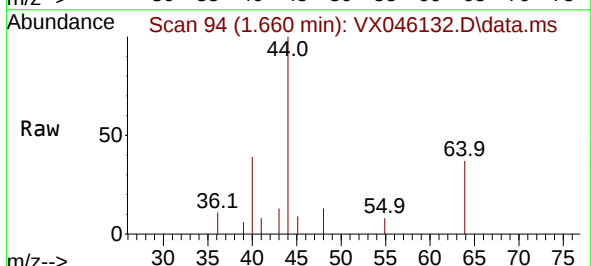
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

Tgt Ion:168 Resp: 74922
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#6
Chloroethane
Concen: 0.235 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

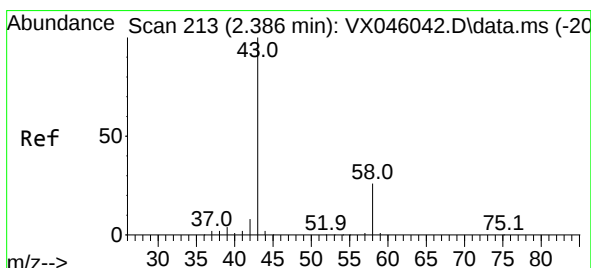
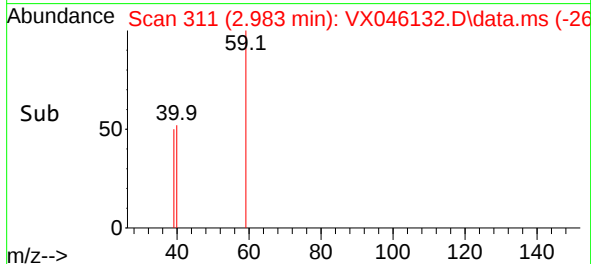
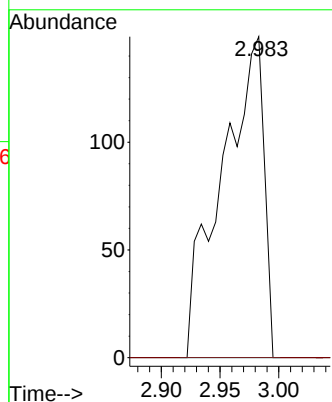
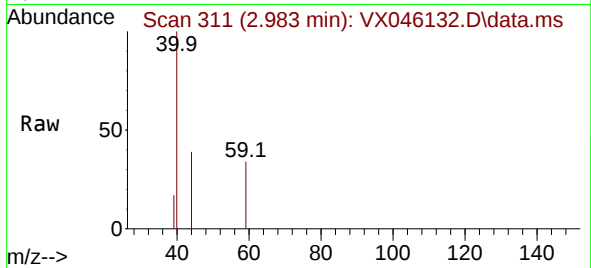




#11
Tert butyl alcohol
Concen: 1.892 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

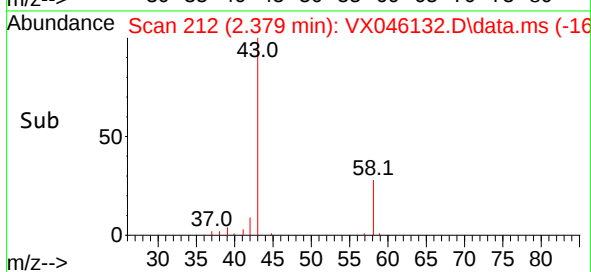
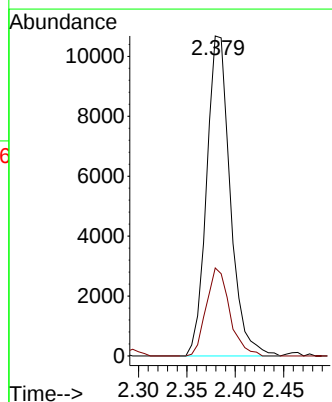
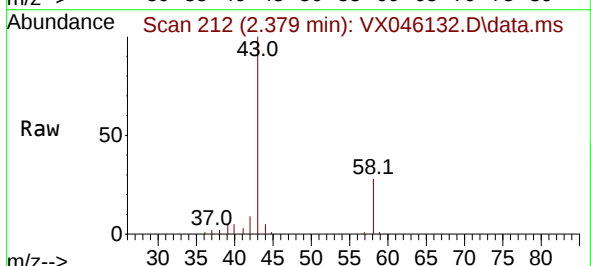
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

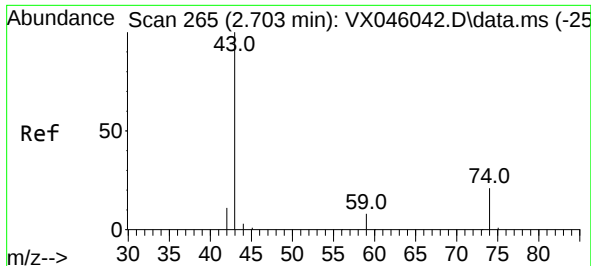
Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 32.438 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 43 Resp: 18167
Ion Ratio Lower Upper
43 100
58 27.5 21.2 31.8

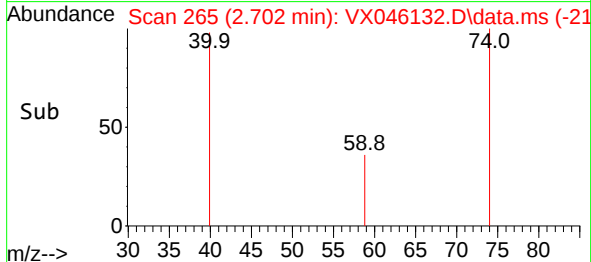
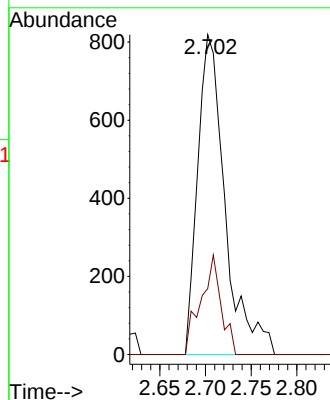
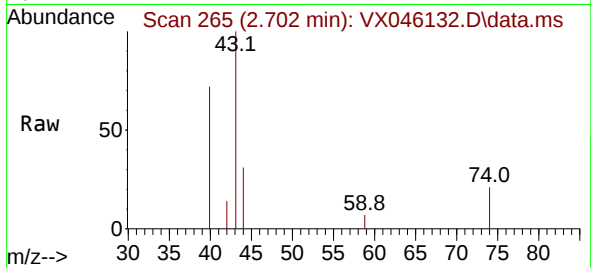




#18
Methyl Acetate
Concen: 1.317 ug/l
RT: 2.702 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

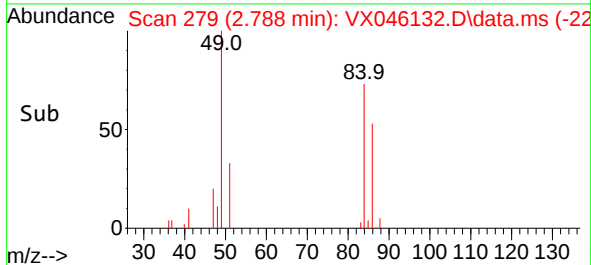
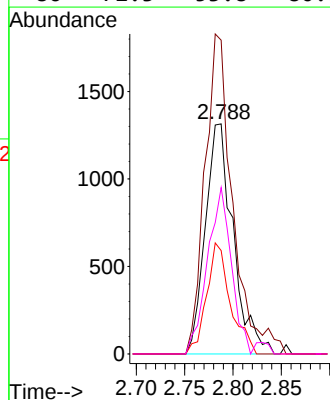
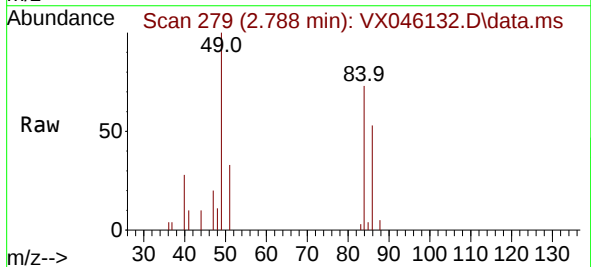
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ClientSampleId :
OR-636-COMP-02

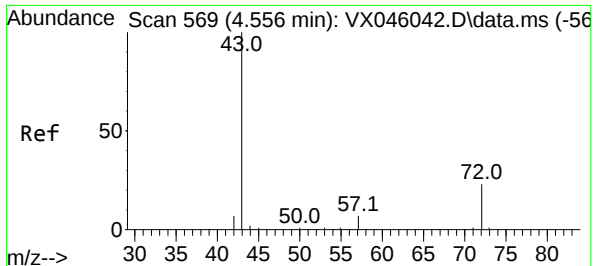
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
74 23.1 16.7 25.1



#20
Methylene Chloride
Concen: 2.455 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 84 Resp: 2635
Ion Ratio Lower Upper
84 100
49 136.3 113.9 170.9
51 44.9 33.5 50.3
86 72.3 53.8 80.8

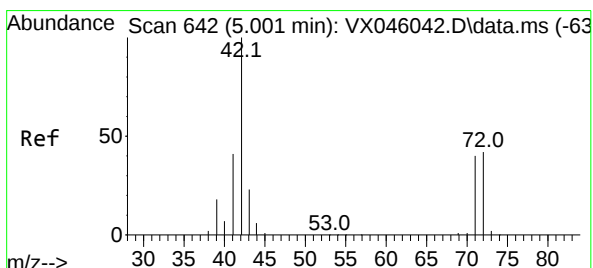
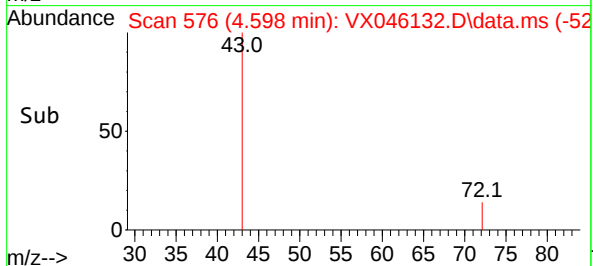
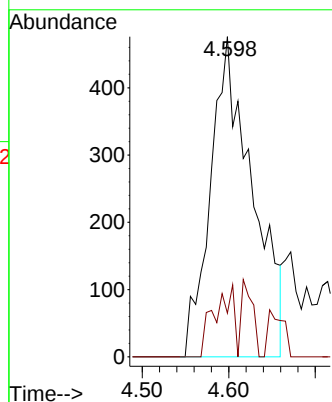
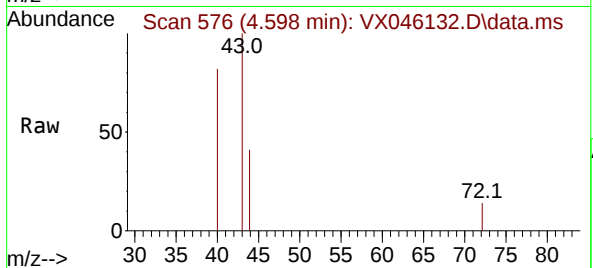




#25
2-Butanone
Concen: 1.965 ug/l
RT: 4.598 min Scan# 51
Delta R.T. 0.042 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

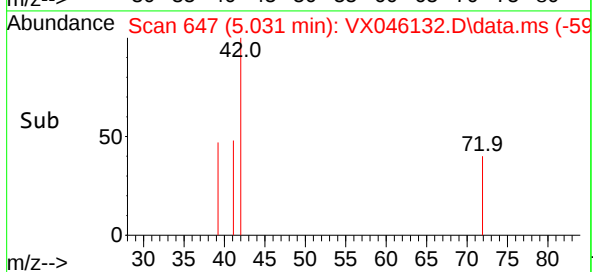
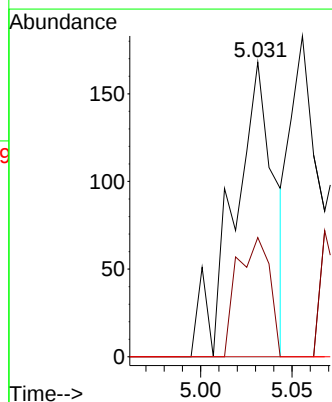
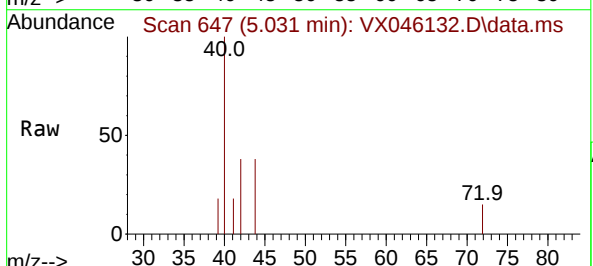
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

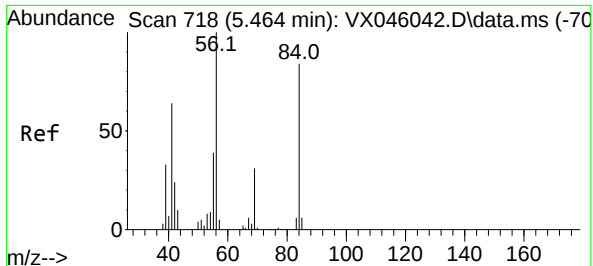
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
72 13.7 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

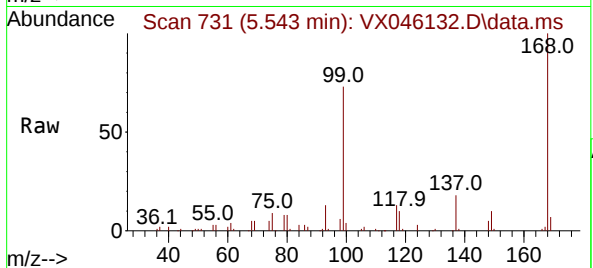
Tgt Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 32.4 33.7 50.5#
71 0.0 31.4 47.2#



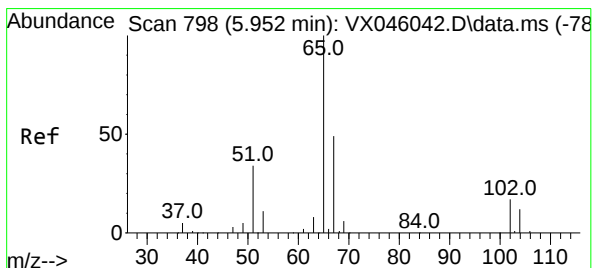
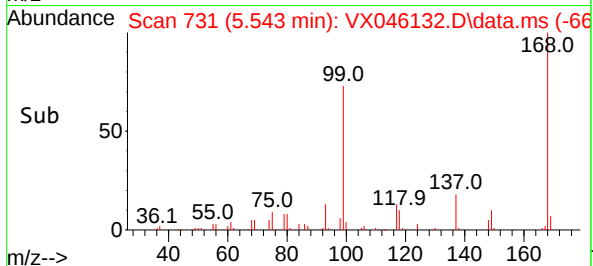
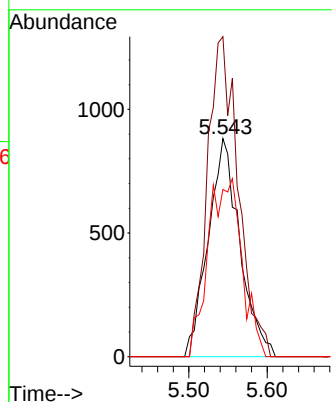


#31
Cyclohexane
Concen: 1.486 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

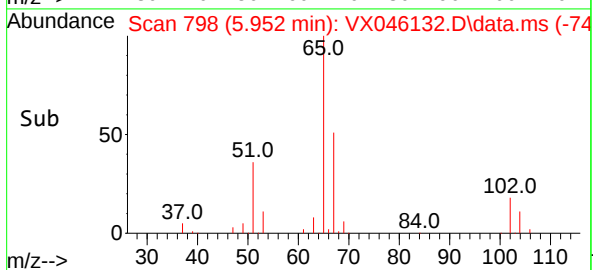
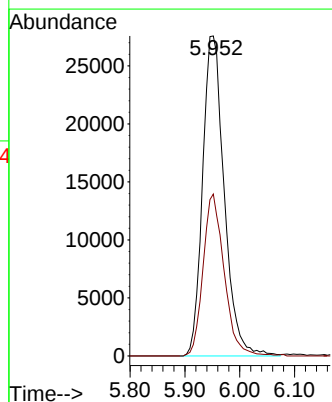
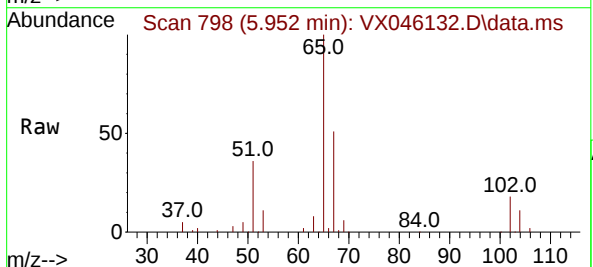


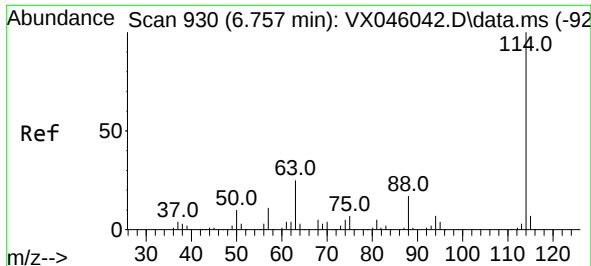
Tgt Ion: 56 Resp: 2473
Ion Ratio Lower Upper
56 100
69 146.7 24.4 36.6#
84 76.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.113 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 65 Resp: 75584
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

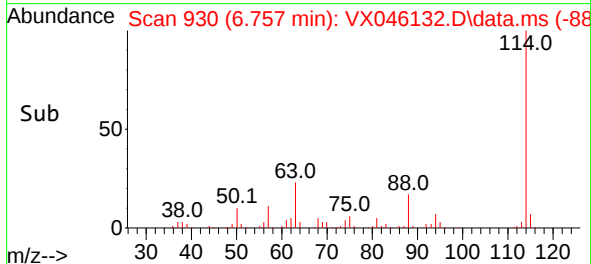
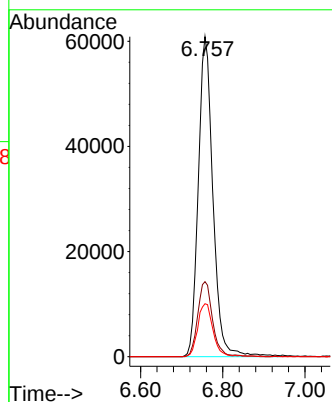
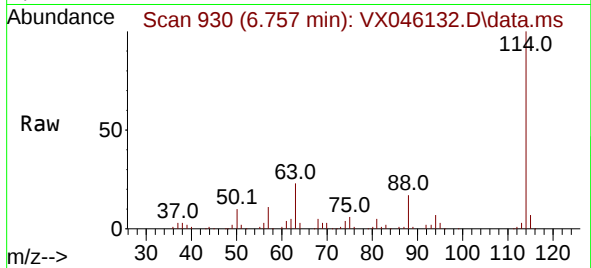




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

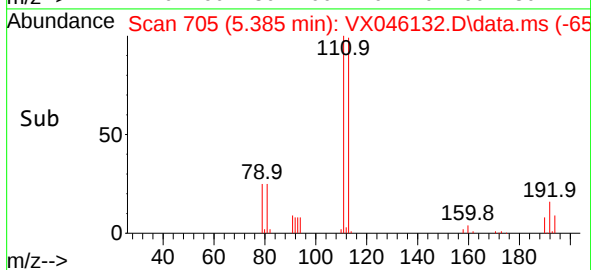
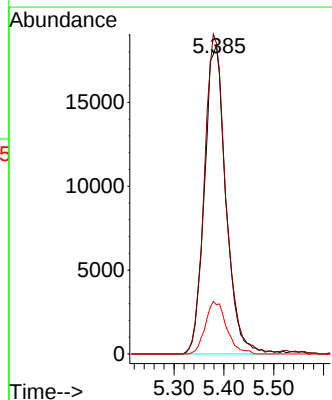
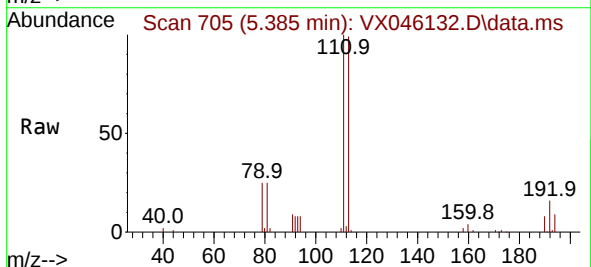
Instrument :
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Tgt Ion:114 Resp: 150365
Ion Ratio Lower Upper
114 100
63 23.4 0.0 49.2
88 16.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.225 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion:113 Resp: 55466
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.6 13.3 19.9

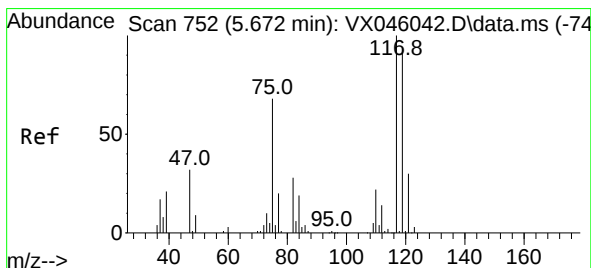
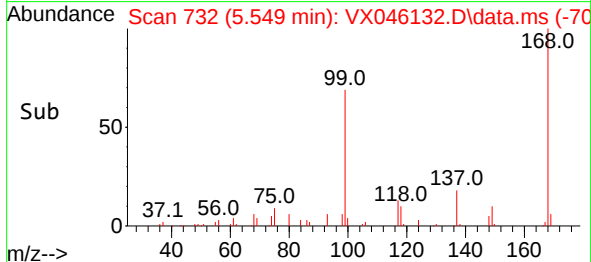
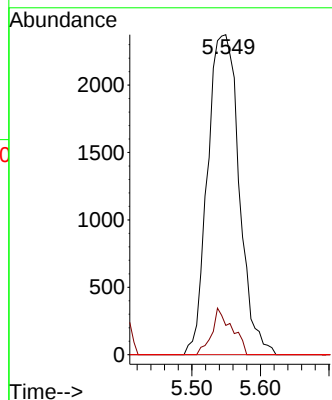
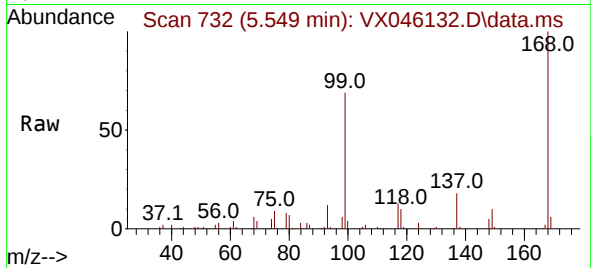




#36
1,1-Dichloropropene
Concen: 5.217 ug/l
RT: 5.549 min Scan# 712
Delta R.T. -0.134 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

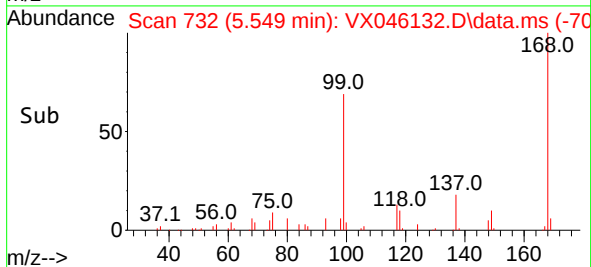
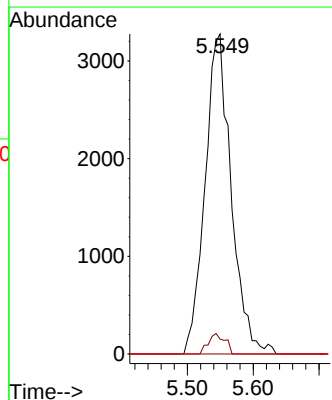
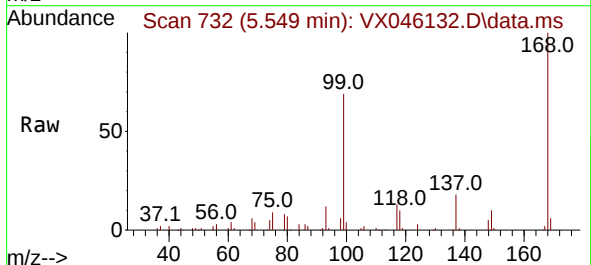
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

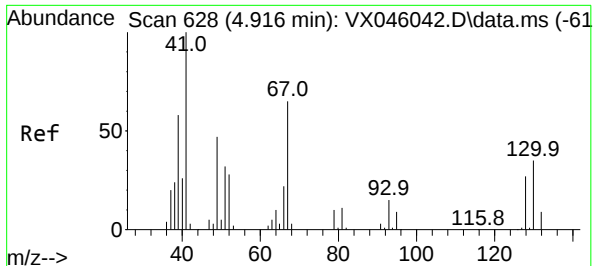
Tgt Ion: 75 Resp: 7590
Ion Ratio Lower Upper
75 100
110 9.3 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 117 Resp: 9072
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.2 36.4#

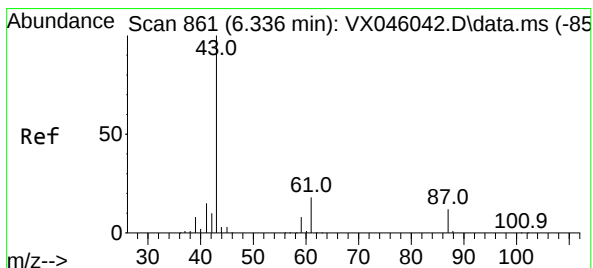
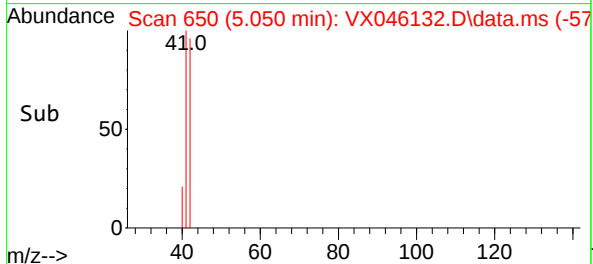
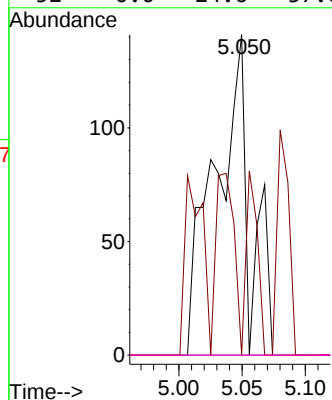
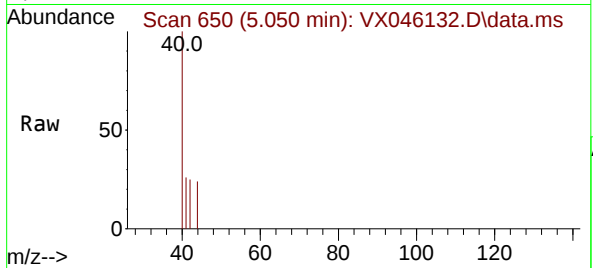




#41
Methacrylonitrile
Concen: 0.290 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.134 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

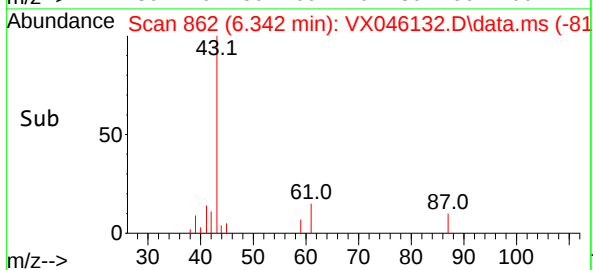
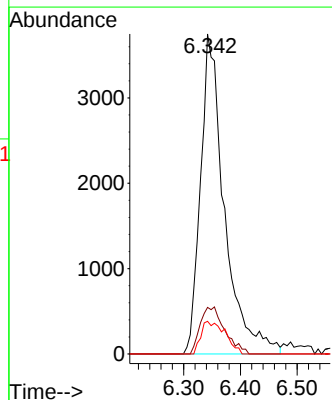
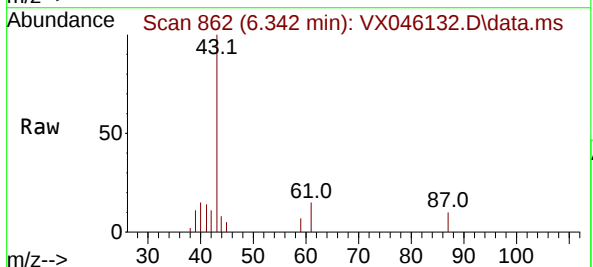
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

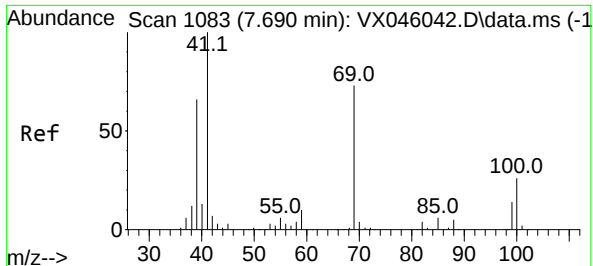
Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
39 18.3 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.004 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 43 Resp: 10979
Ion Ratio Lower Upper
43 100
61 15.1 14.3 21.5
87 10.3 9.5 14.3





#48

Methyl methacrylate

Concen: 31.901 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX046132.D

Acq: 12 May 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-02

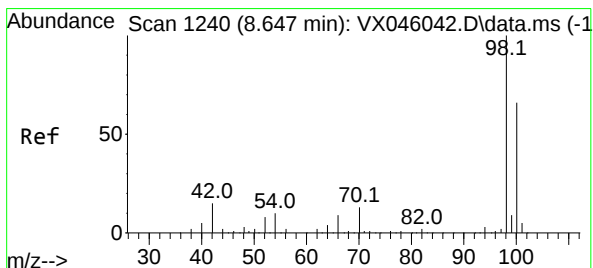
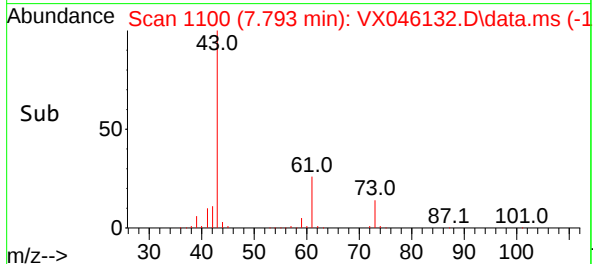
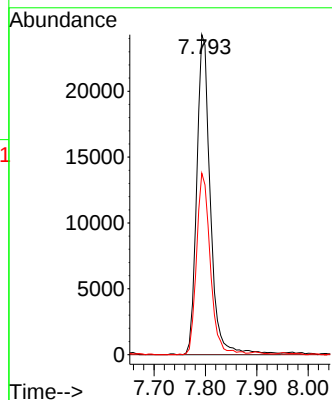
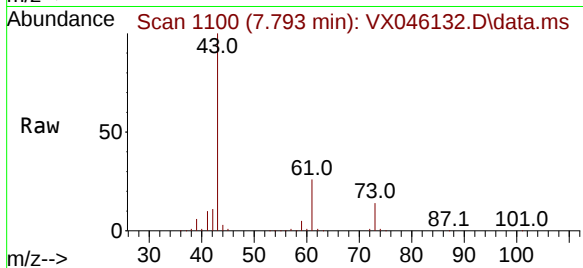
Tgt Ion: 41 Resp: 44675

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 57.5 51.7 77.5



#50

Toluene-d8

Concen: 50.245 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046132.D

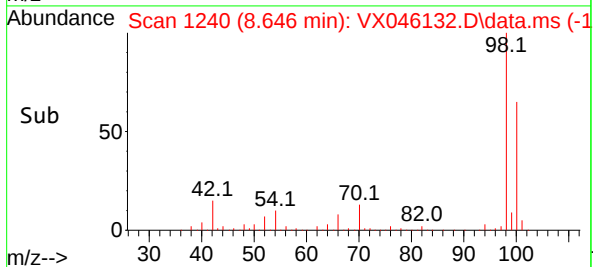
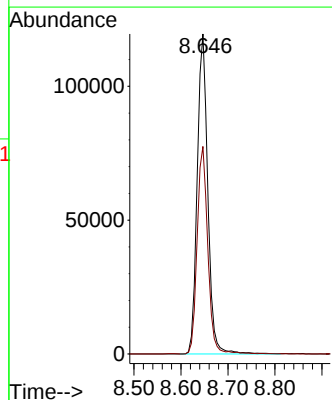
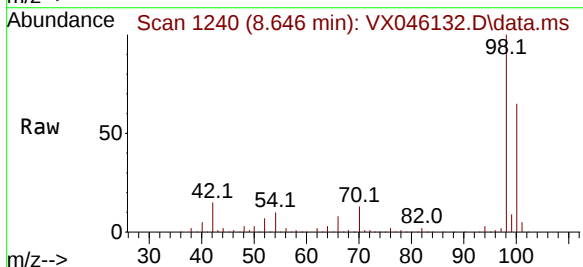
Acq: 12 May 2025 12:49

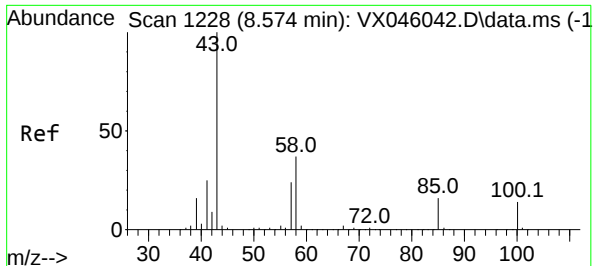
Tgt Ion: 98 Resp: 188300

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3

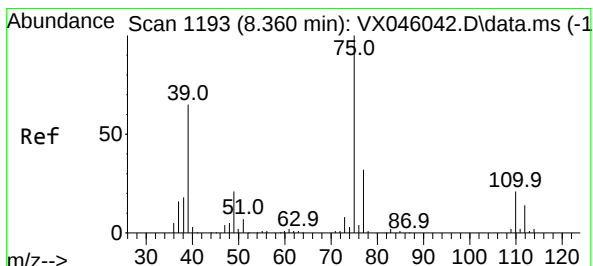
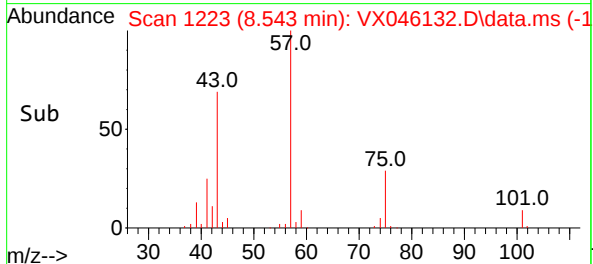
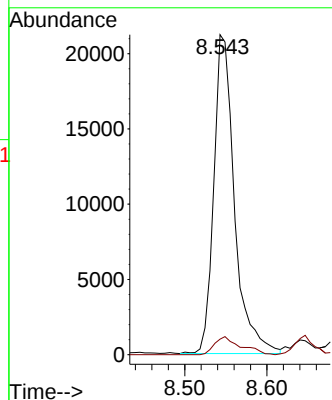
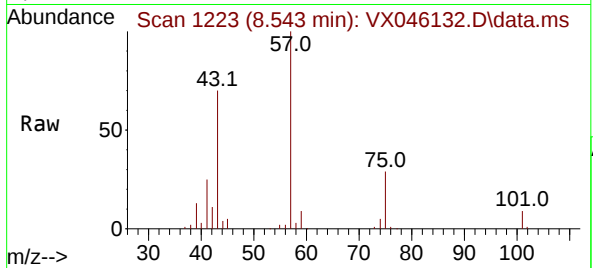




#51
4-Methyl-2-Pentanone
Concen: 20.354 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

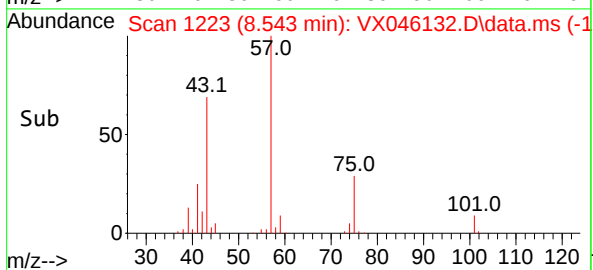
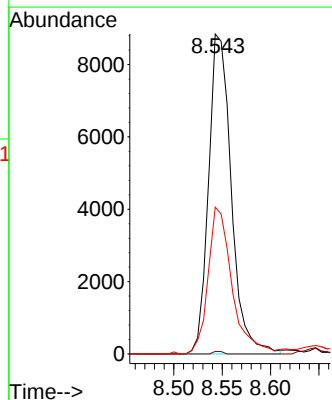
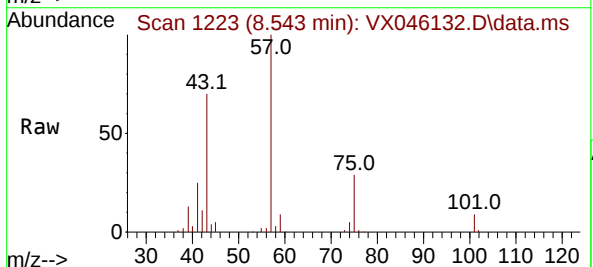
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

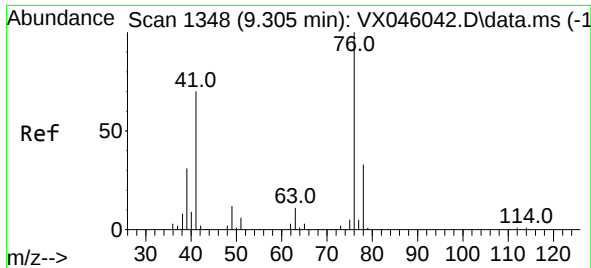
Tgt Ion: 43 Resp: 37048
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.958 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 75 Resp: 14486
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#
39 45.9 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.726 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX046132.D

Acq: 12 May 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

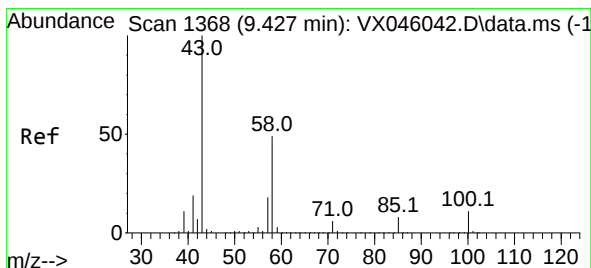
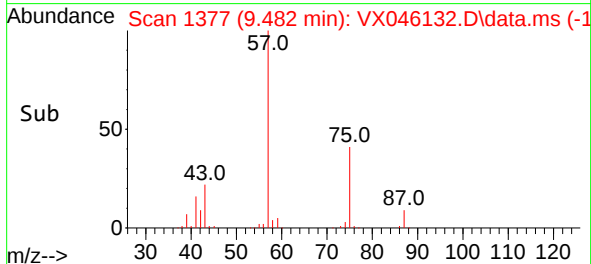
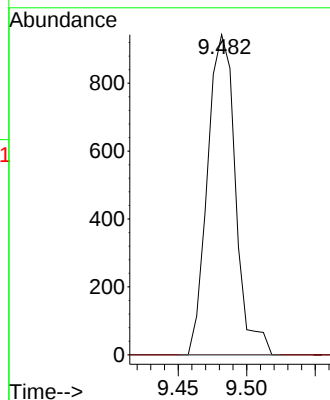
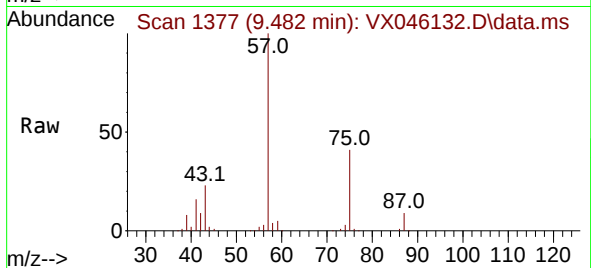
OR-636-COMP-02

Tgt Ion: 76 Resp: 1343

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.145 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046132.D

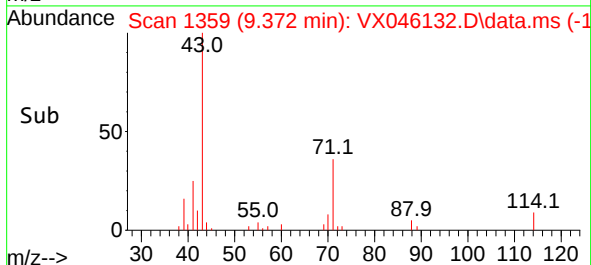
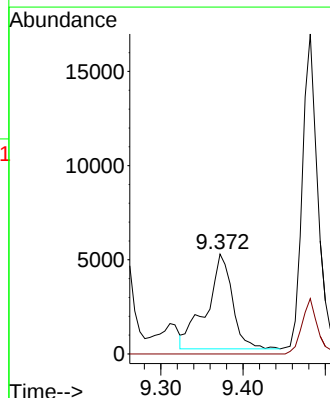
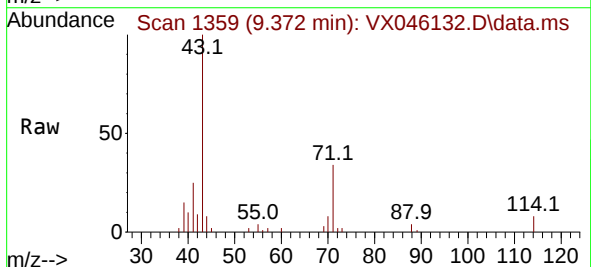
Acq: 12 May 2025 12:49

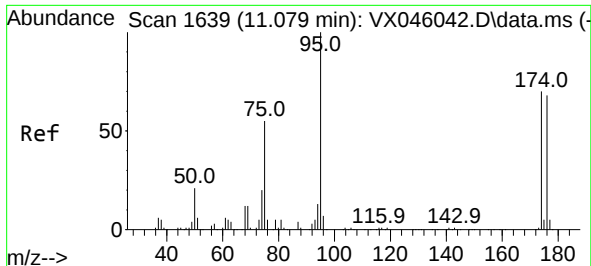
Tgt Ion: 43 Resp: 10968

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

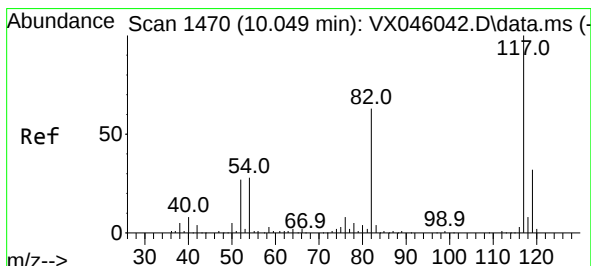
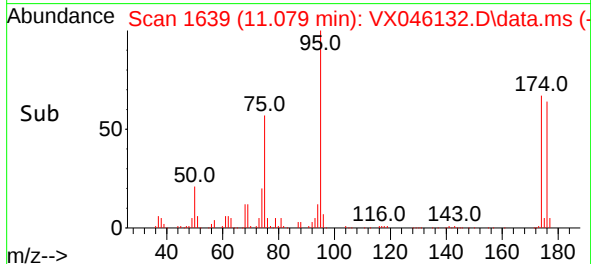
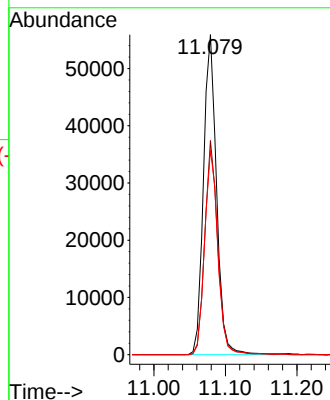
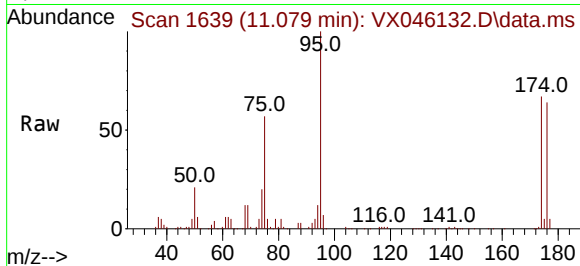




#62
4-Bromofluorobenzene
Concen: 49.409 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

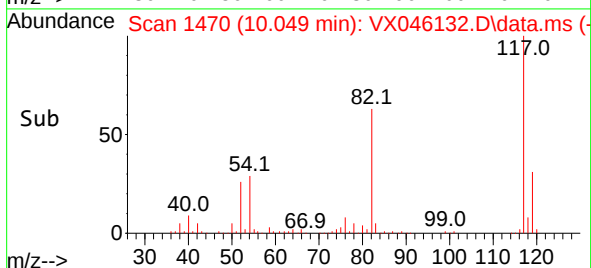
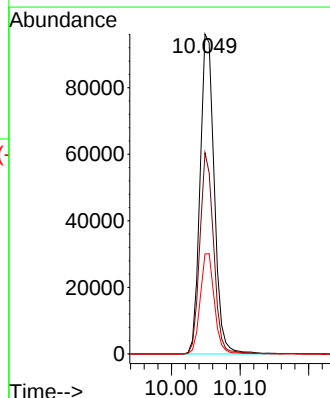
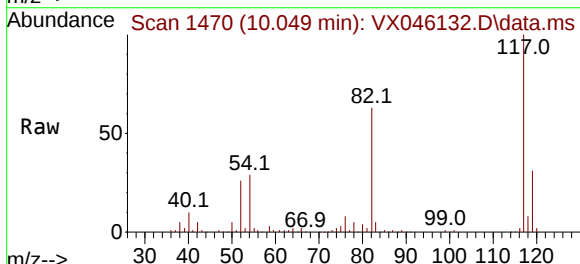
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-02

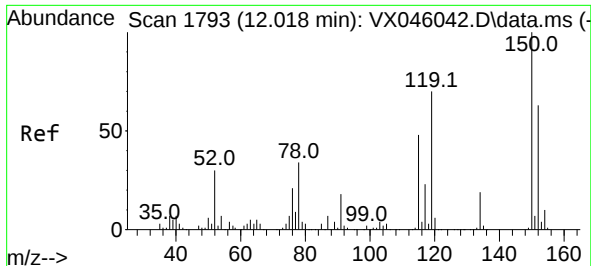
Tgt Ion: 95 Resp: 71028
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046132.D
Acq: 12 May 2025 12:49

Tgt Ion: 117 Resp: 138880
Ion Ratio Lower Upper
117 100
82 62.9 50.6 76.0
119 31.2 25.8 38.6

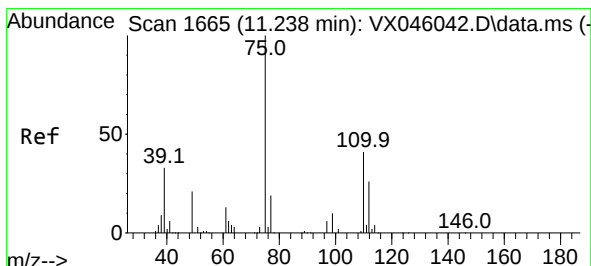
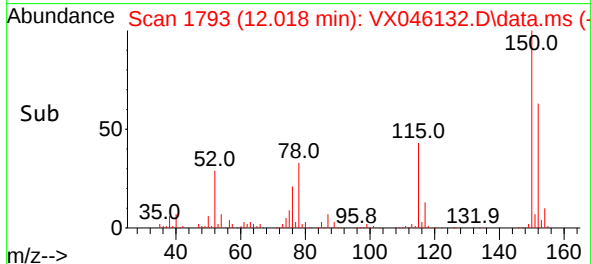
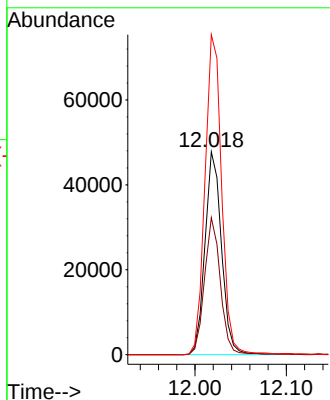
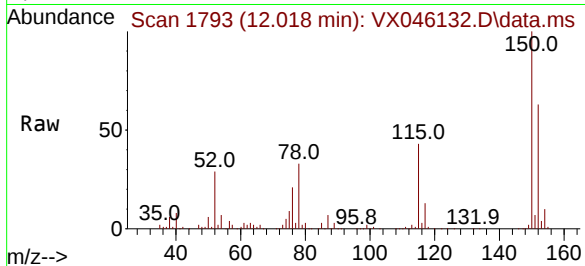




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046132.D
 Acq: 12 May 2025 12:49

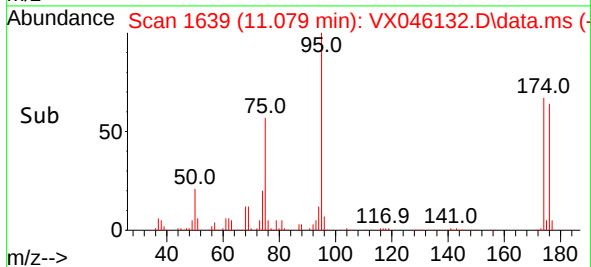
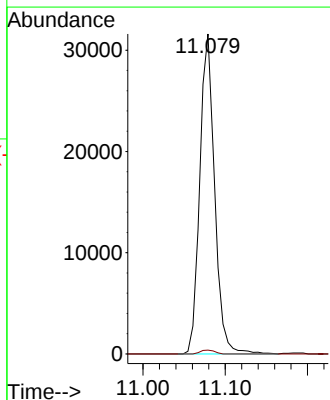
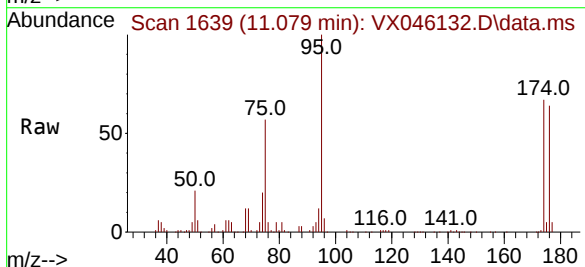
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-02

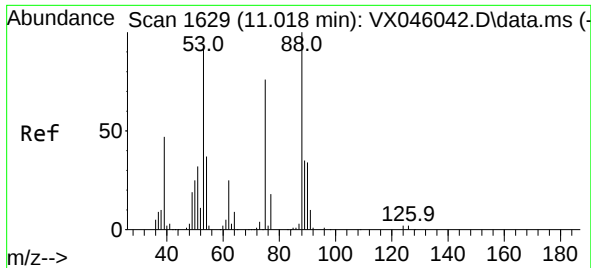
Tgt Ion:152 Resp: 59791
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 158.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.590 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046132.D
 Acq: 12 May 2025 12:49

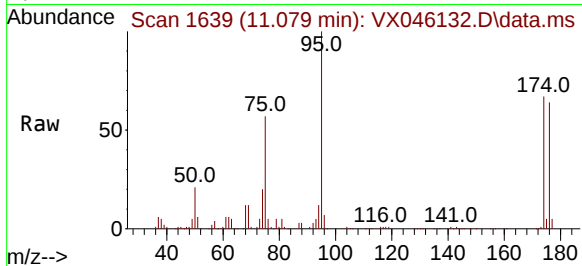
Tgt Ion: 75 Resp: 39707
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.823 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046132.D
 Acq: 12 May 2025 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-02



Tgt Ion: 75 Resp: 39707
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

