

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046139.D
 Acq On : 12 May 2025 15:32
 Operator : JC/MD
 Sample : Q1983-54
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-09

Quant Time: May 13 03:19:39 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)

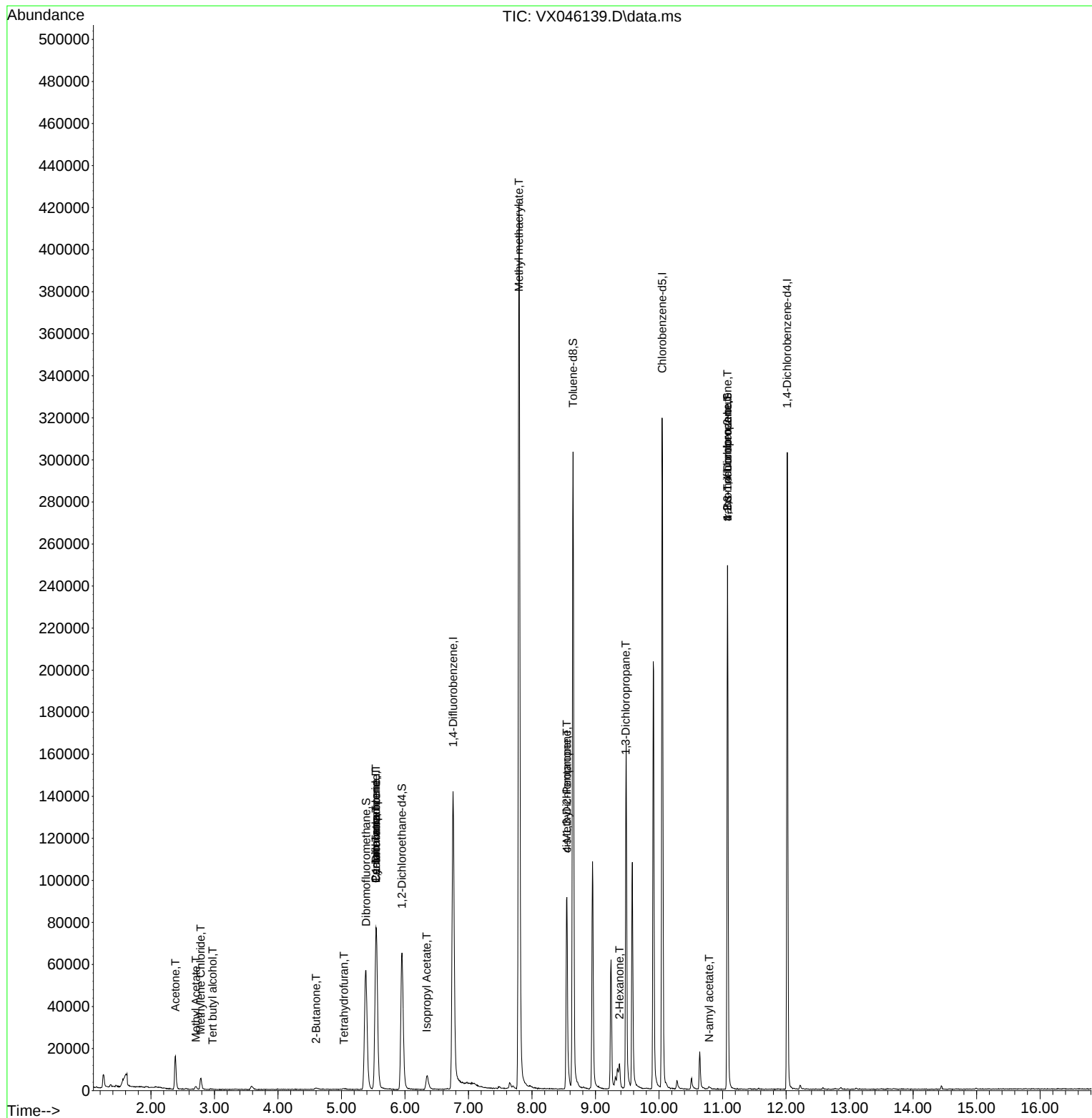
Internal Standards						
1) Pentafluorobenzene	5.544	168	66674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68759	55.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.640%
35) Dibromofluoromethane	5.385	113	49472	51.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.380%
50) Toluene-d8	8.647	98	172797	51.656	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	11.079	95	65121	50.751	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	241	1.381	ug/l #	72
16) Acetone	2.386	43	18162	36.441	ug/l	99
18) Methyl Acetate	2.709	43	2269	1.962	ug/l	93
20) Methylene Chloride	2.782	84	2450	2.565	ug/l	86
25) 2-Butanone	4.599	43	1738	2.402	ug/l #	78
29) Tetrahydrofuran	5.038	42	368	0.812	ug/l #	44
31) Cyclohexane	5.544	56	1893	1.278	ug/l #	8
36) 1,1-Dichloropropene	5.544	75	6520	5.021	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7742	5.306	ug/l #	16
43) Isopropyl Acetate	6.342	43	10447	4.268	ug/l	97
48) Methyl methacrylate	7.793	41	42096	33.677	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36917	22.723	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14025	9.717	ug/l #	60
57) 1,3-Dichloropropane	9.476	76	1238	0.750	ug/l #	42
59) 2-Hexanone	9.378	43	10933	9.096	ug/l #	28
74) N-amyl acetate	10.787	43	1131	0.539	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37576	28.605	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37576	93.128	ug/l #	1

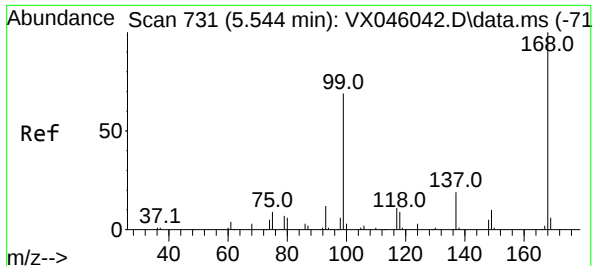
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046139.D
Acq On : 12 May 2025 15:32
Operator : JC/MD
Sample : Q1983-54
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

Quant Time: May 13 03:19:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

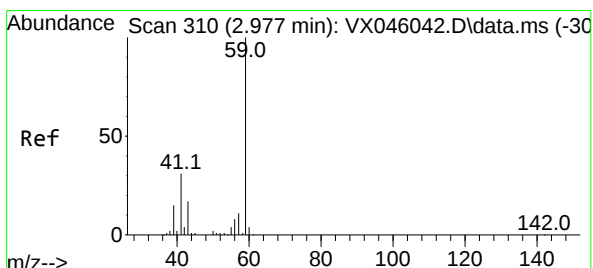
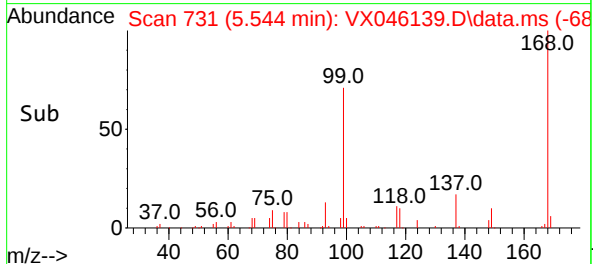
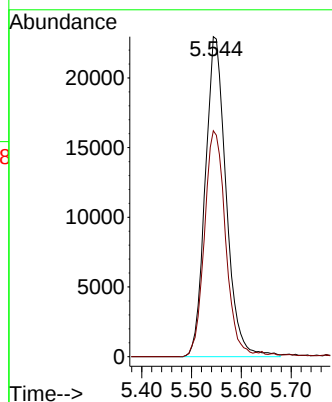
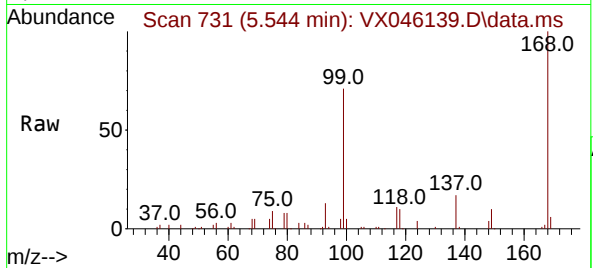




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

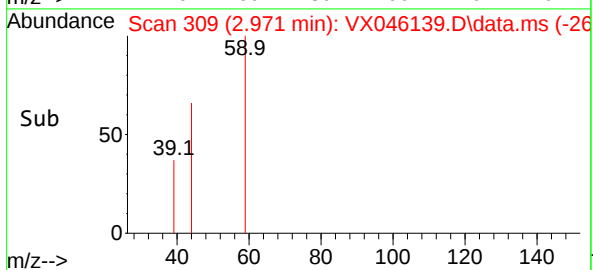
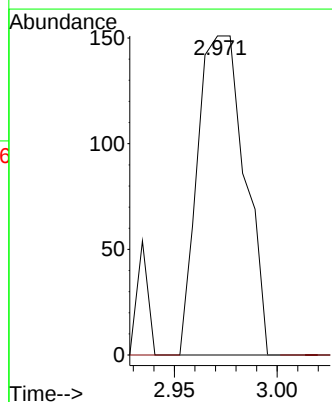
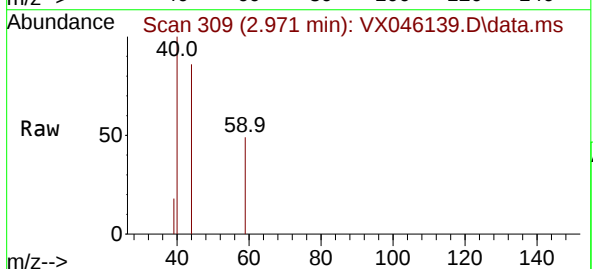
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

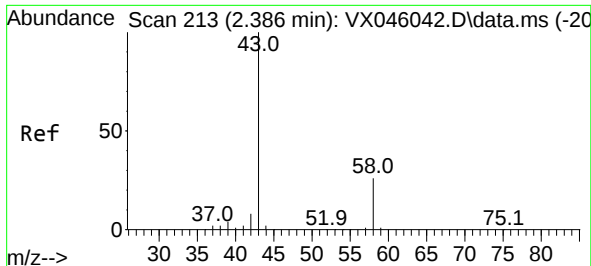
Tgt Ion:168 Resp: 66674
Ion Ratio Lower Upper
168 100
99 70.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.381 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

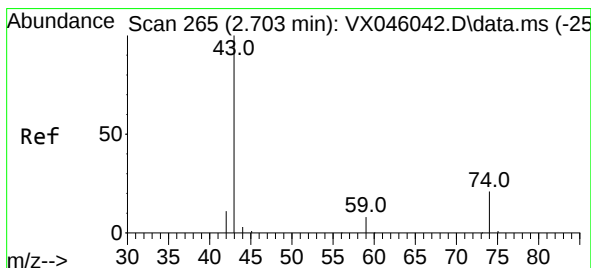
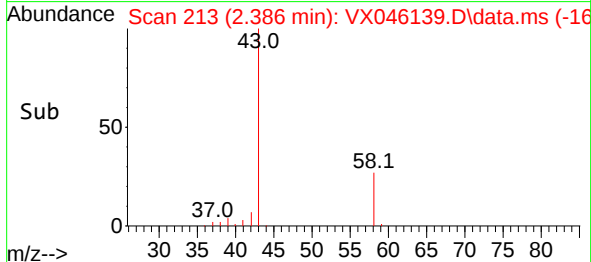
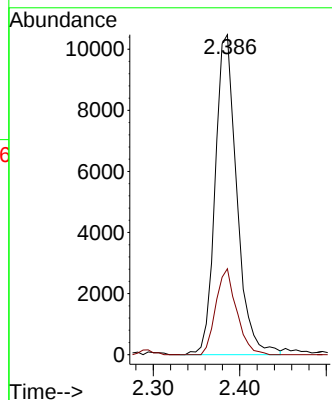
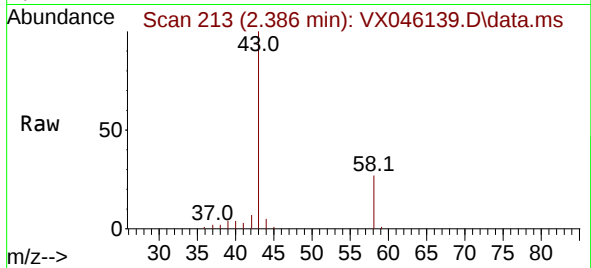




#16
Acetone
Concen: 36.441 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

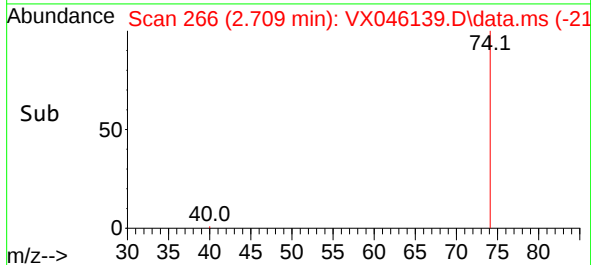
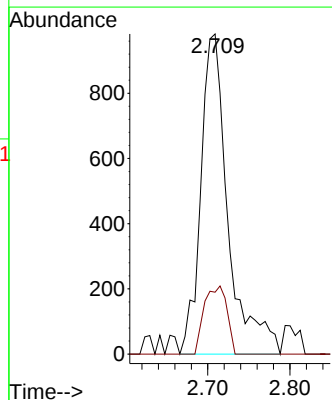
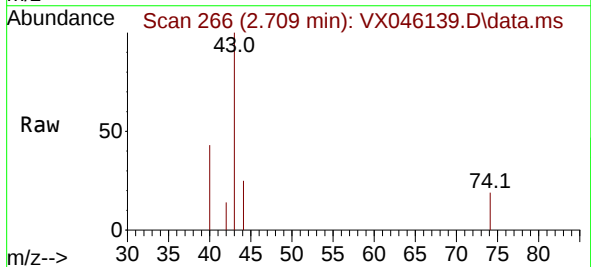
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

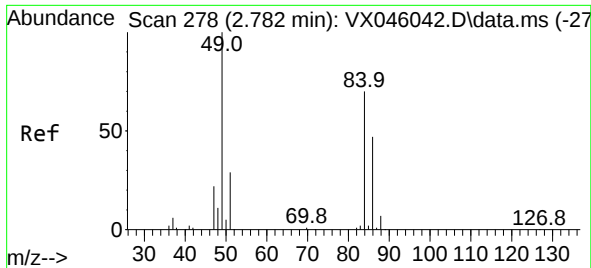
Tgt Ion: 43 Resp: 18162
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#18
Methyl Acetate
Concen: 1.962 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
74 17.6 16.7 25.1

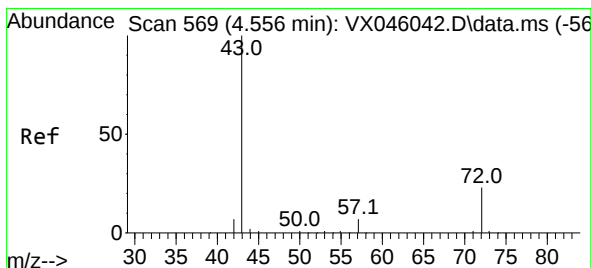
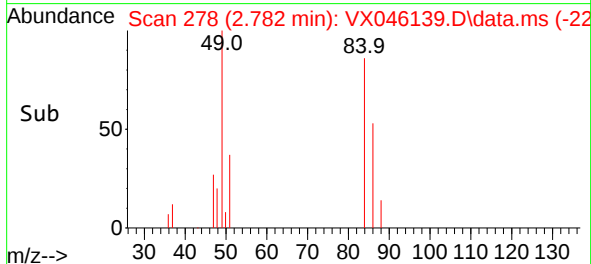
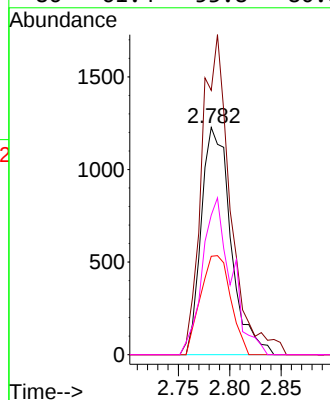
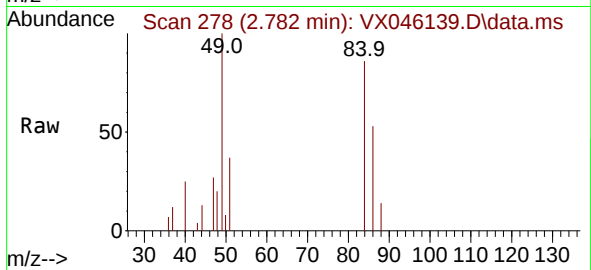




#20
Methylene Chloride
Concen: 2.565 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

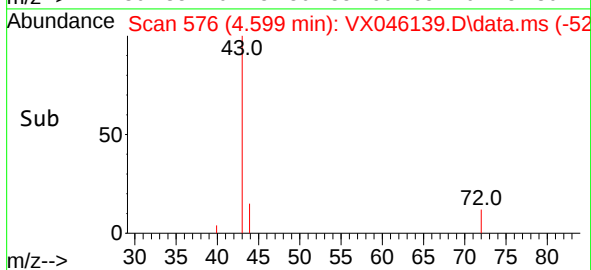
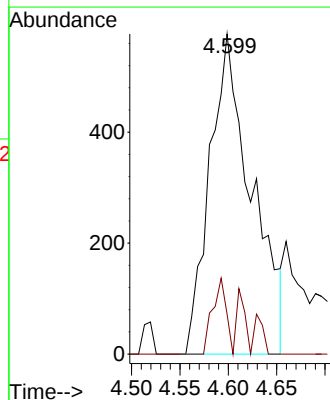
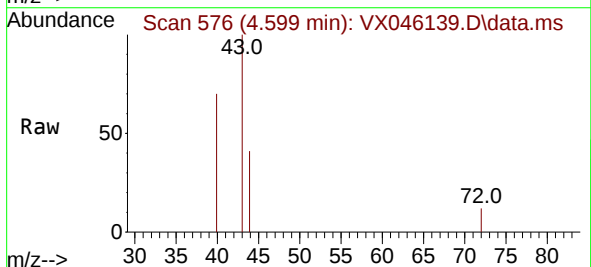
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

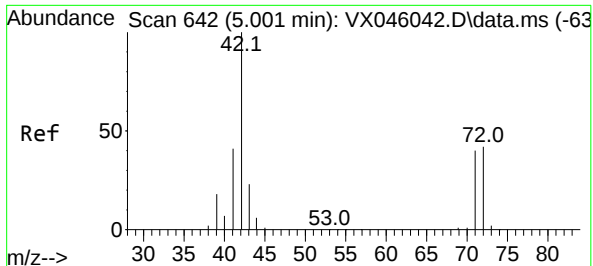
Tgt Ion:	84	Resp:	2450
Ion	Ratio	Lower	Upper
84	100		
49	116.3	113.9	170.9
51	43.3	33.5	50.3
86	61.4	53.8	80.8



#25
2-Butanone
Concen: 2.402 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion:	43	Resp:	1738
Ion	Ratio	Lower	Upper
43	100		
72	12.5	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.812 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.037 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-09

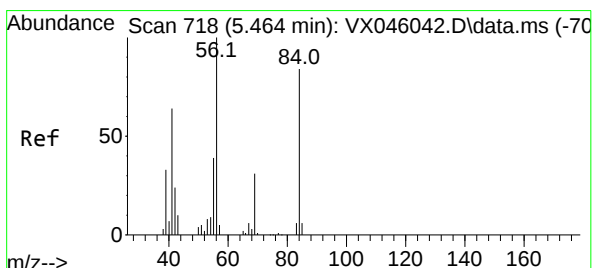
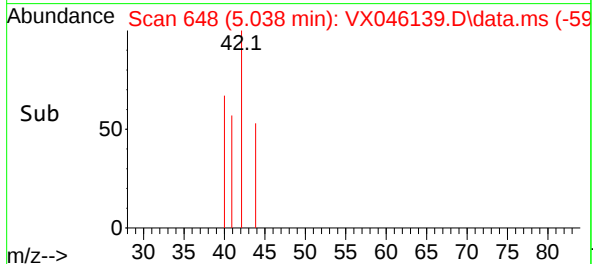
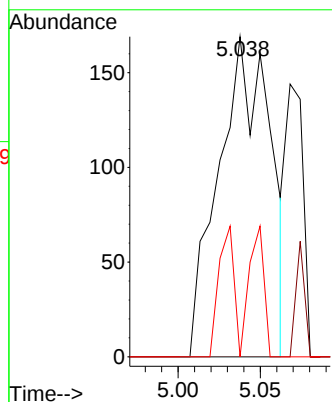
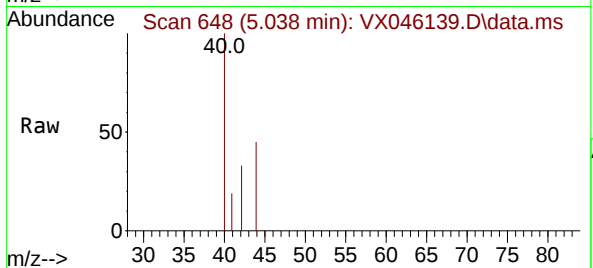
Tgt Ion: 42 Resp: 368

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 12.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

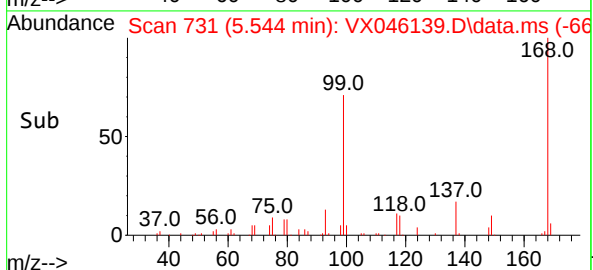
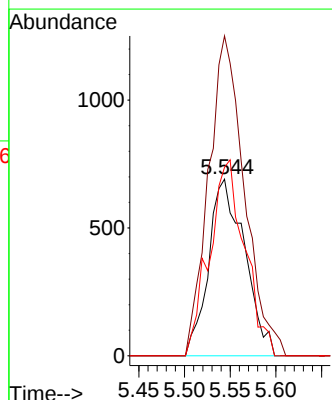
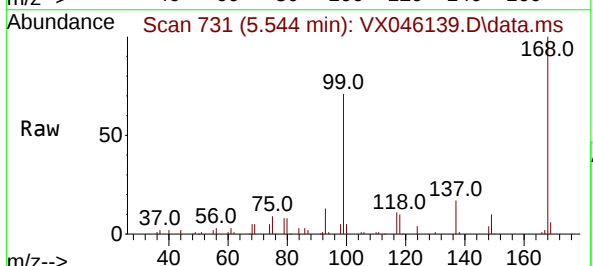
Tgt Ion: 56 Resp: 1893

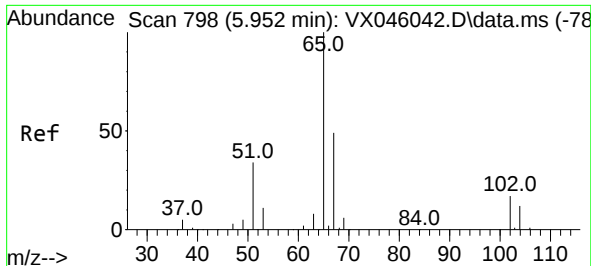
Ion Ratio Lower Upper

56 100

69 181.0 24.4 36.6#

84 106.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.316 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

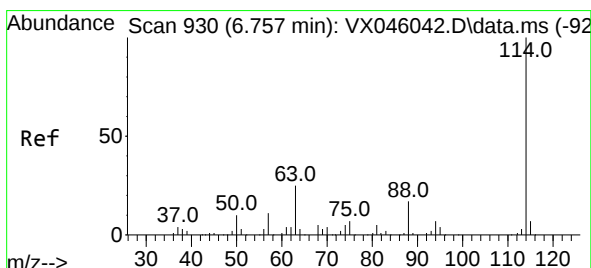
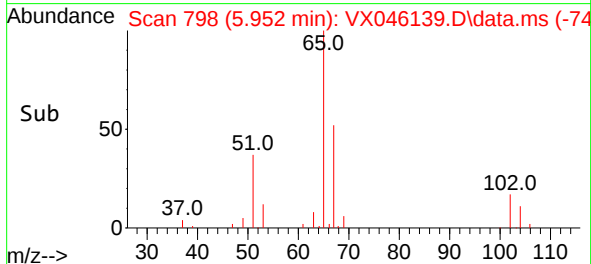
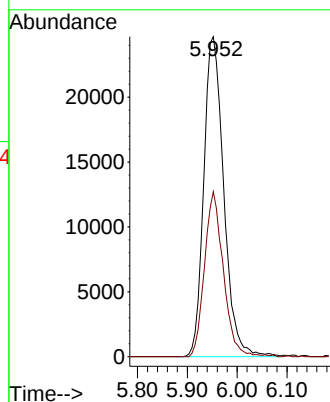
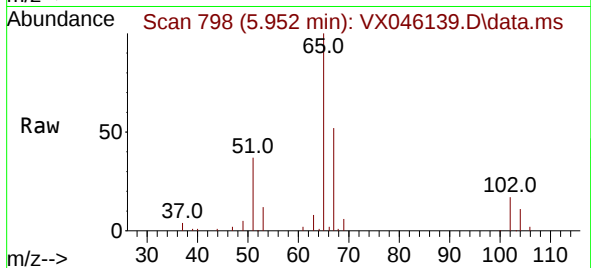
OR-636-COMP-09

Tgt Ion: 65 Resp: 68759

Ion Ratio Lower Upper

65 100

67 48.7 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: VX046139.D

Acq: 12 May 2025 15:32

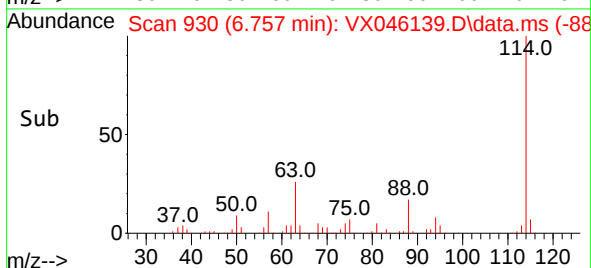
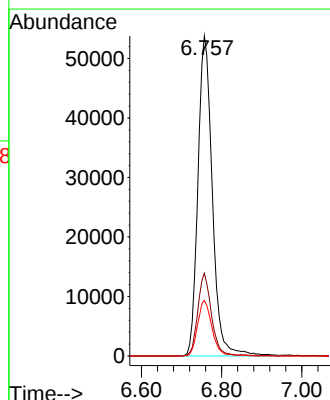
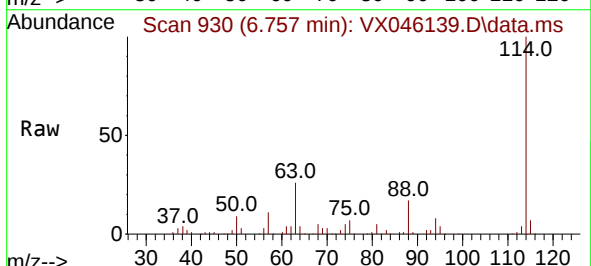
Tgt Ion: 114 Resp: 134215

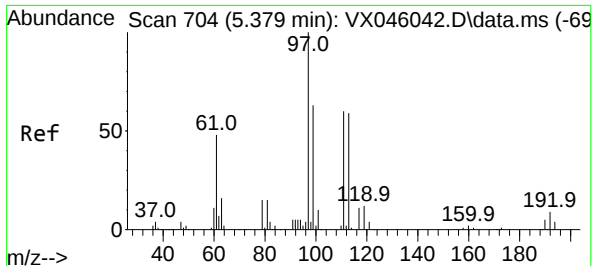
Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.187 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046139.D

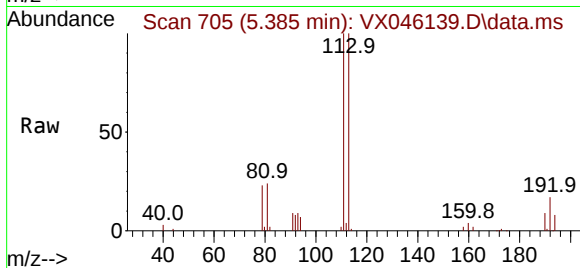
Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-09



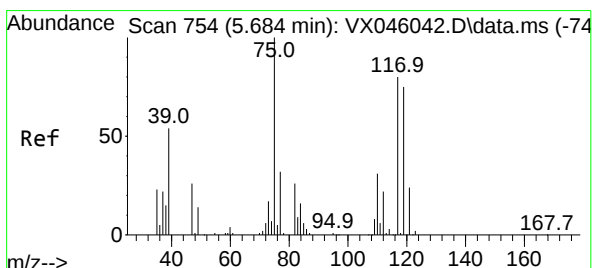
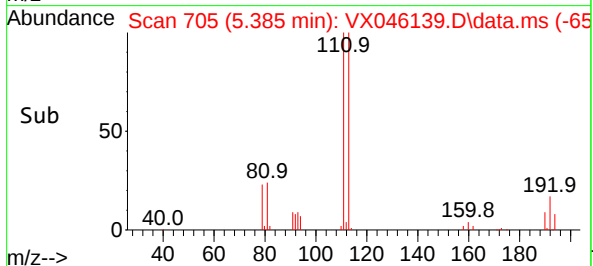
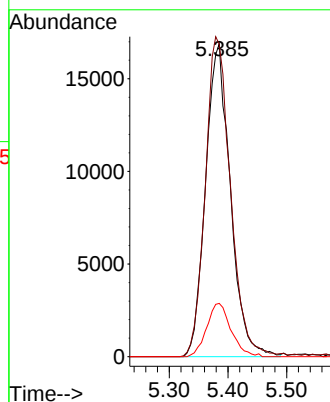
Tgt Ion:113 Resp: 49472

Ion Ratio Lower Upper

113 100

111 104.2 83.1 124.7

192 16.7 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

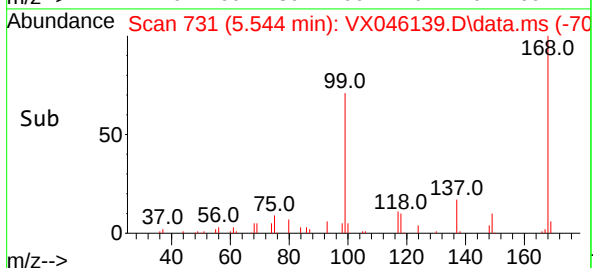
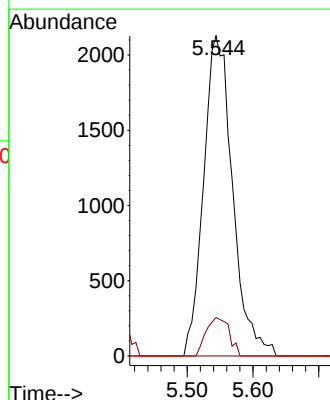
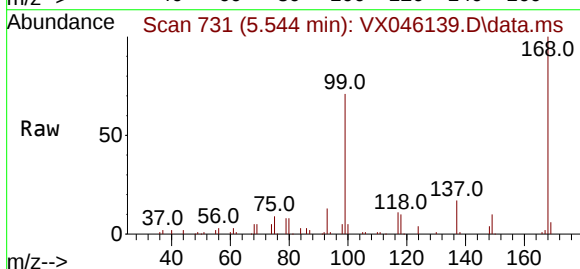
Tgt Ion: 75 Resp: 6520

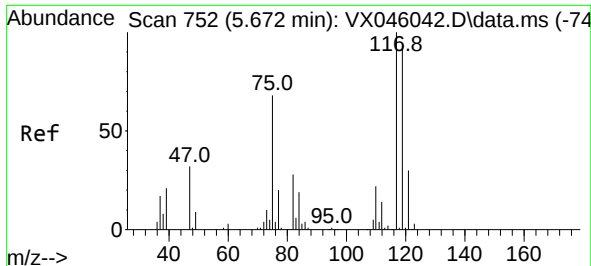
Ion Ratio Lower Upper

75 100

110 9.5 16.3 48.9#

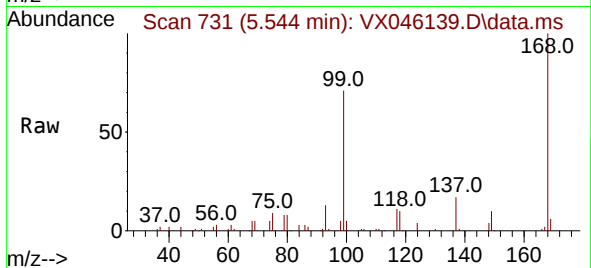
77 0.0 24.3 36.5#



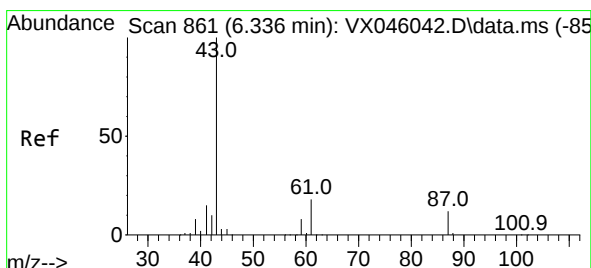
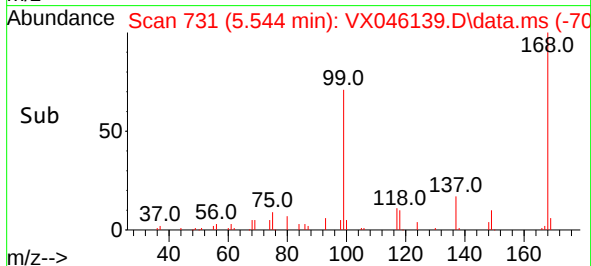
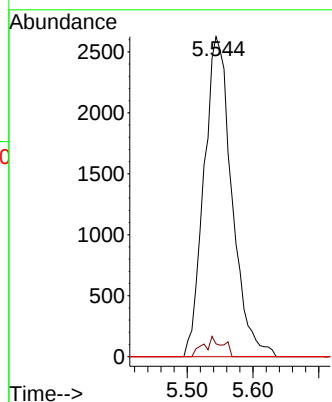


#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

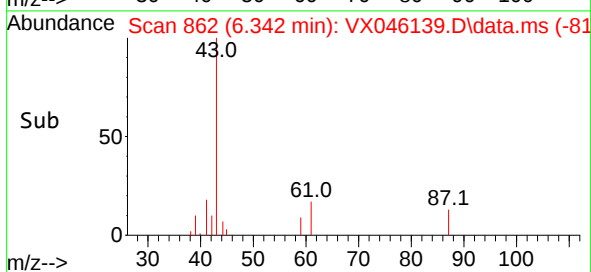
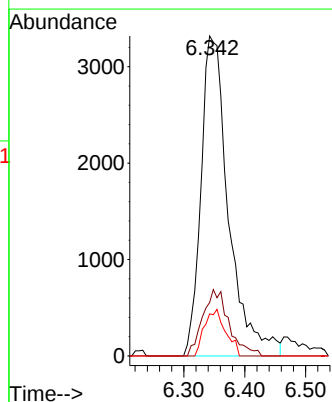
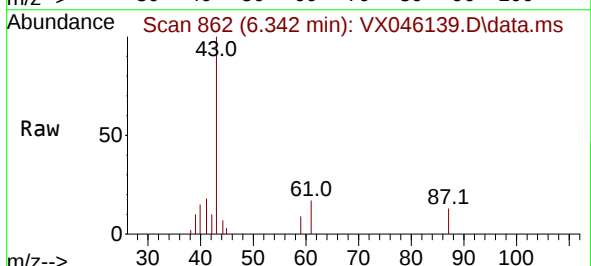


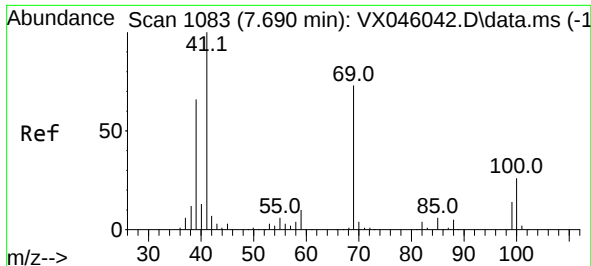
Tgt Ion:117 Resp: 7742
Ion Ratio Lower Upper
117 100
119 4.0 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 4.268 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion: 43 Resp: 10447
Ion Ratio Lower Upper
43 100
61 19.7 14.3 21.5
87 11.1 9.5 14.3

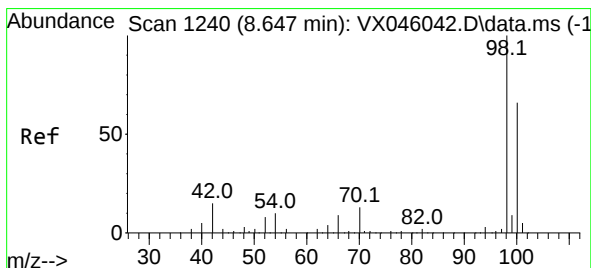
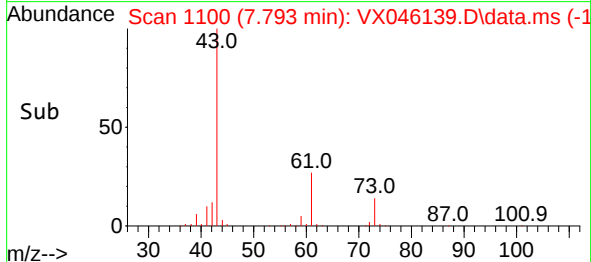
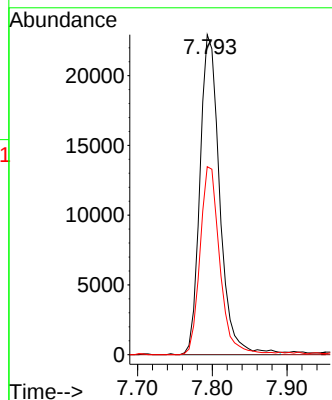
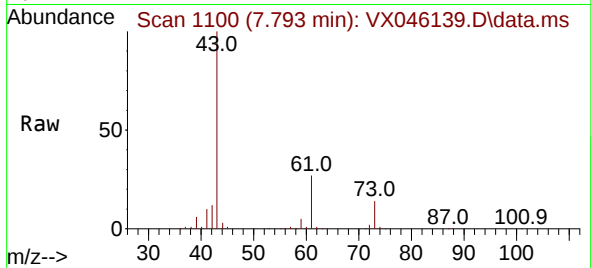




#48
Methyl methacrylate
Concen: 33.677 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

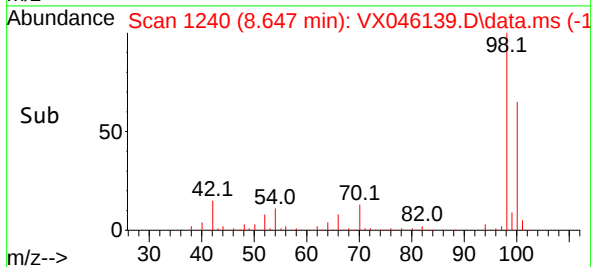
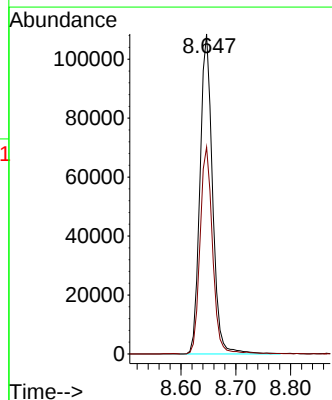
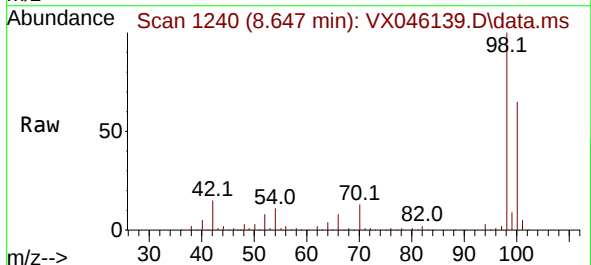
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

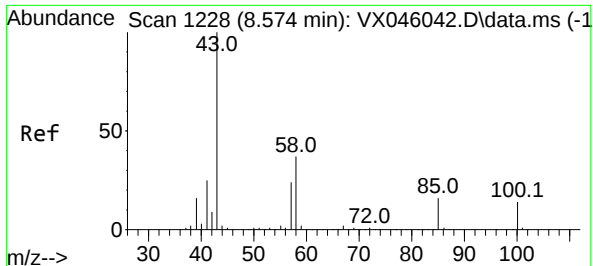
Tgt Ion: 41 Resp: 42096
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.9 51.7 77.5



#50
Toluene-d8
Concen: 51.656 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion: 98 Resp: 172797
Ion Ratio Lower Upper
98 100
100 64.6 53.5 80.3

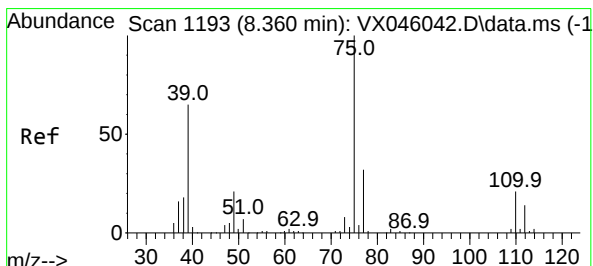
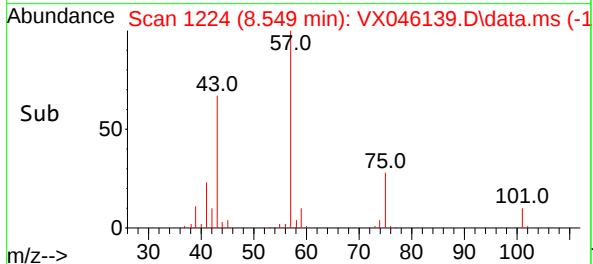
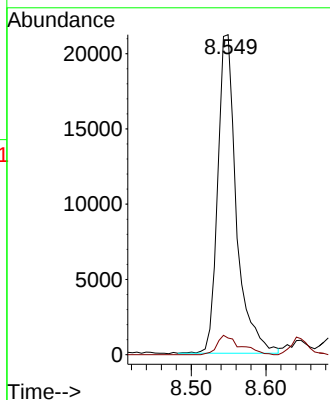
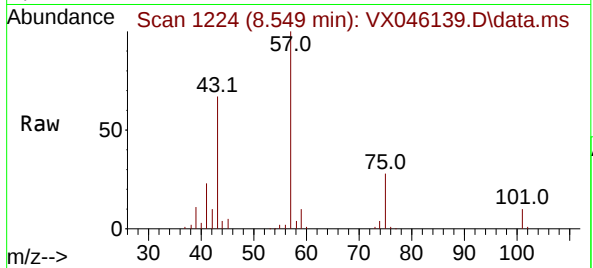




#51
4-Methyl-2-Pentanone
Concen: 22.723 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

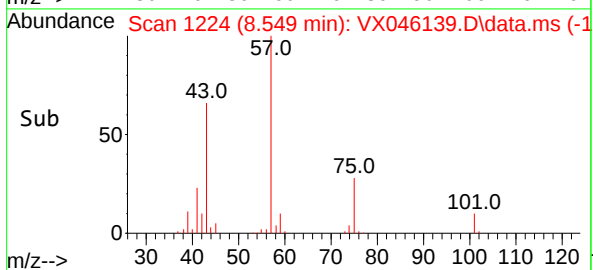
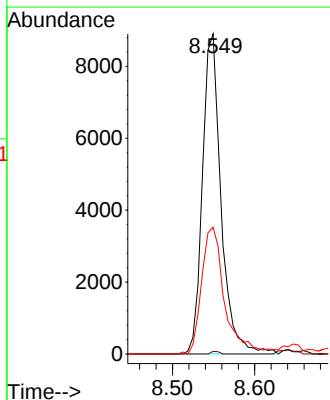
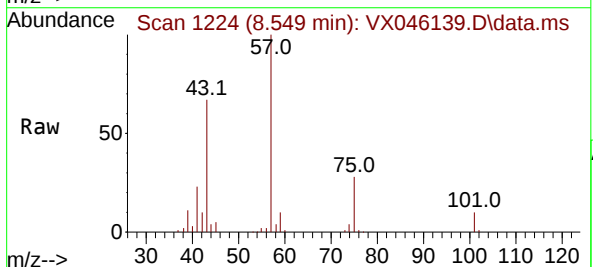
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-09

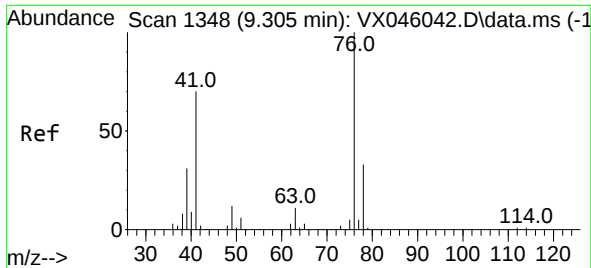
Tgt Ion: 43 Resp: 36917
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 9.717 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046139.D
Acq: 12 May 2025 15:32

Tgt Ion: 75 Resp: 14025
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#
39 39.6 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.750 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

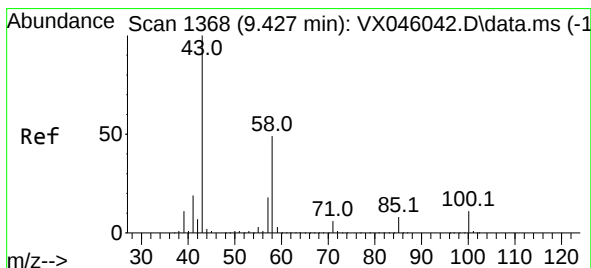
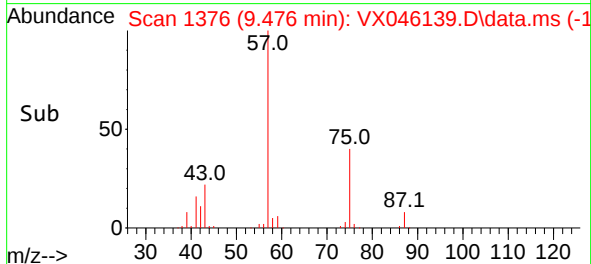
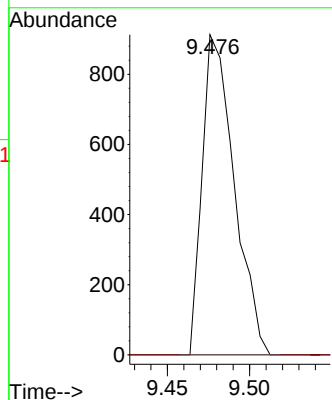
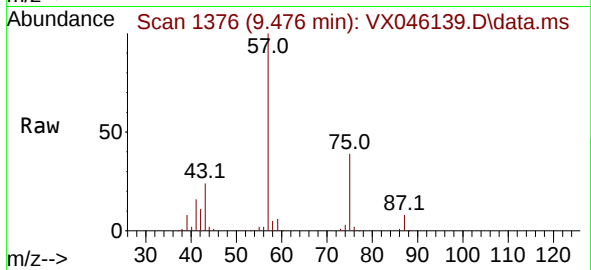
OR-636-COMP-09

Tgt Ion: 76 Resp: 1238

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 9.096 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046139.D

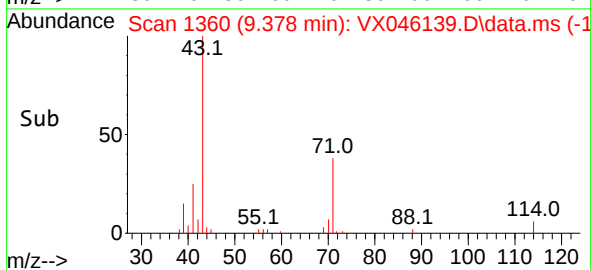
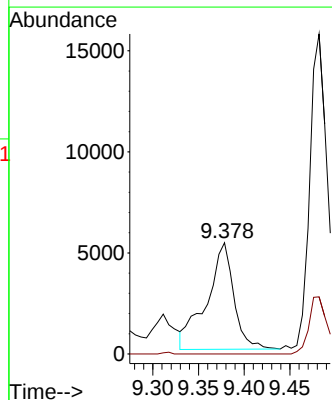
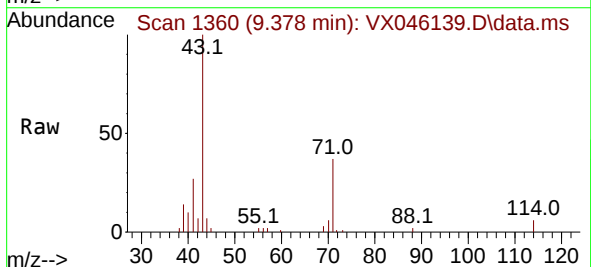
Acq: 12 May 2025 15:32

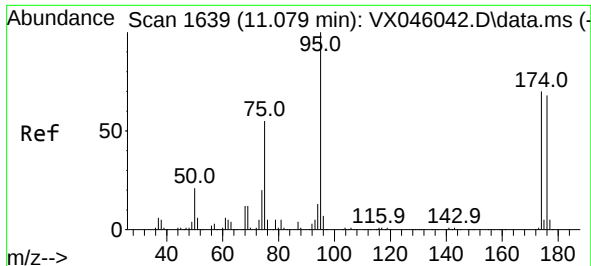
Tgt Ion: 43 Resp: 10933

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.751 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-09

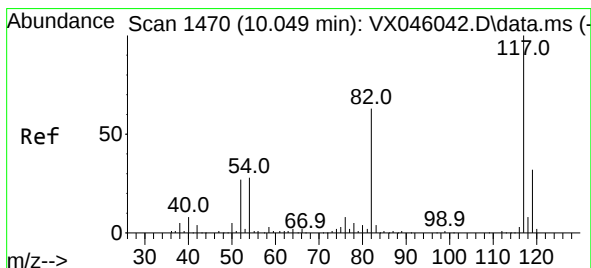
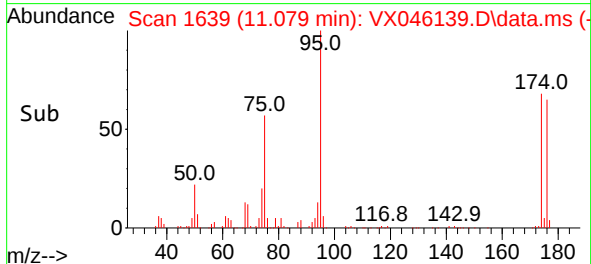
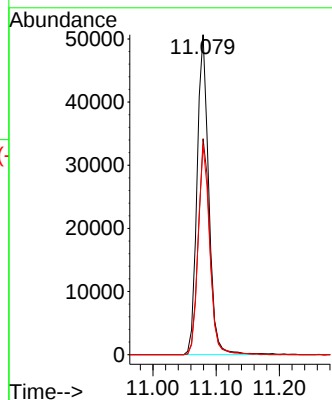
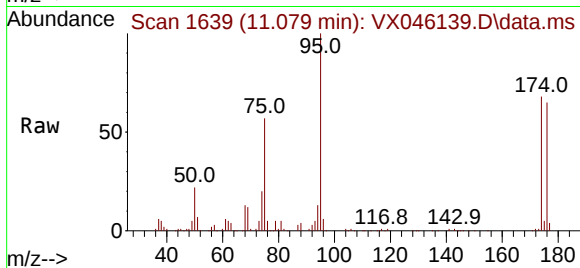
Tgt Ion: 95 Resp: 65121

Ion Ratio Lower Upper

95 100

174 67.8 0.0 135.8

176 65.1 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: VX046139.D

Acq: 12 May 2025 15:32

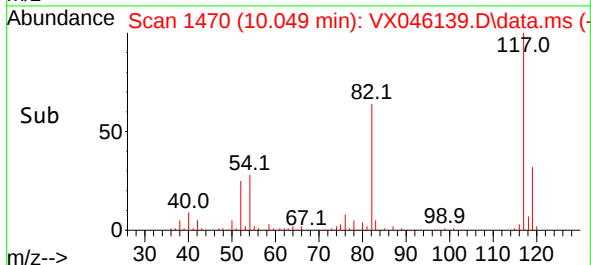
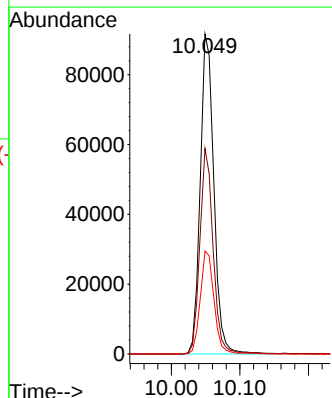
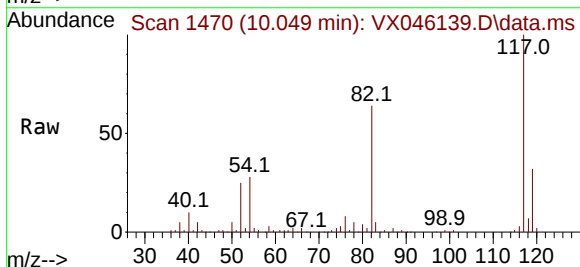
Tgt Ion: 117 Resp: 126973

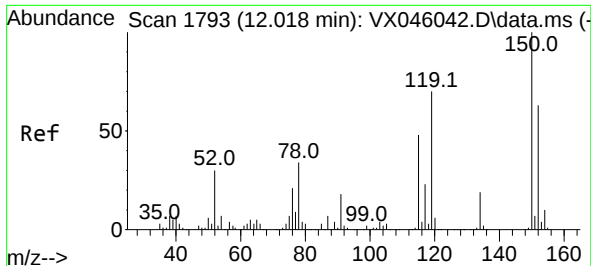
Ion Ratio Lower Upper

117 100

82 64.2 50.6 76.0

119 32.2 25.8 38.6

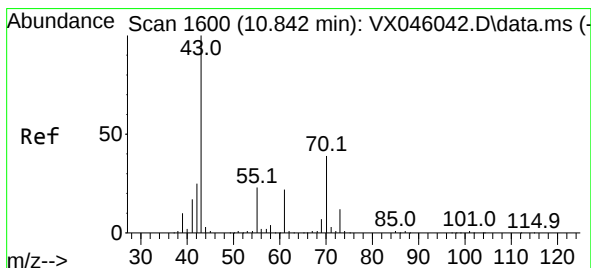
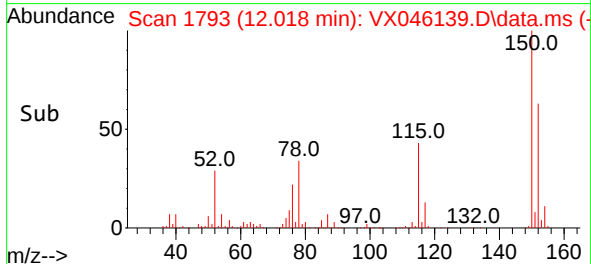
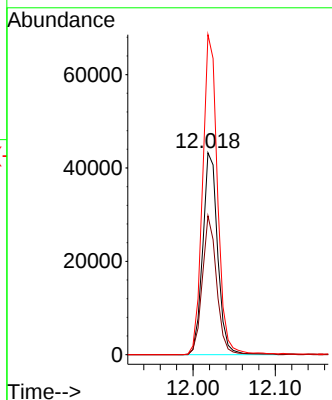
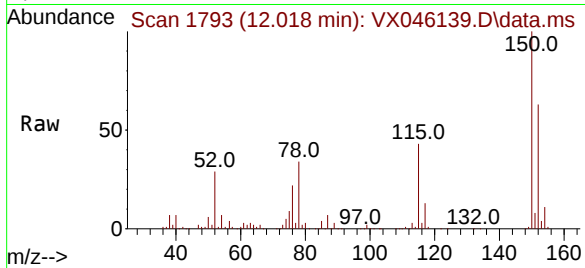




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX046139.D
 Acq: 12 May 2025 15:32

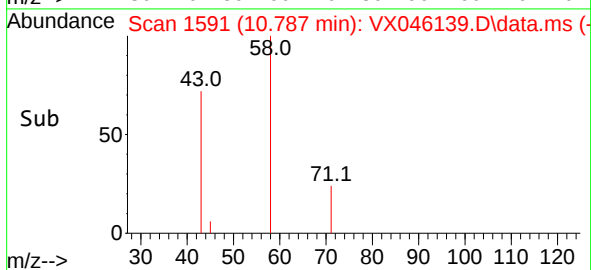
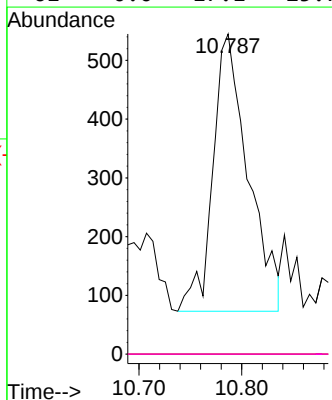
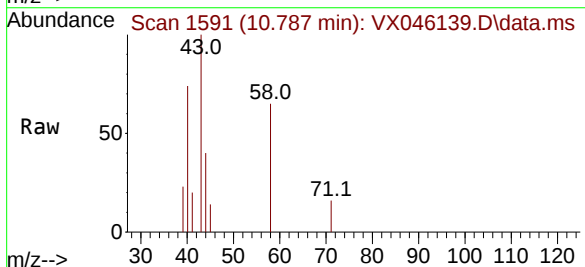
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-09

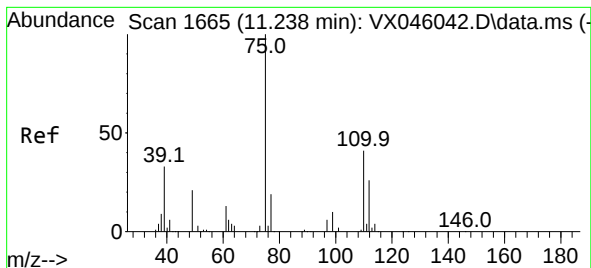
Tgt Ion:152 Resp: 54574
 Ion Ratio Lower Upper
 152 100
 115 66.1 46.9 140.7
 150 158.1 0.0 351.0



#74
 N-ethyl acetate
 Concen: 0.539 ug/l
 RT: 10.787 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX046139.D
 Acq: 12 May 2025 15:32

Tgt Ion: 43 Resp: 1131
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 0.0 18.7 28.1#
 61 0.0 17.1 25.7#





#76

1,2,3-Trichloropropane

Concen: 28.605 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

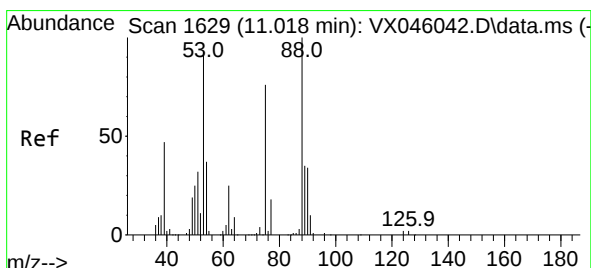
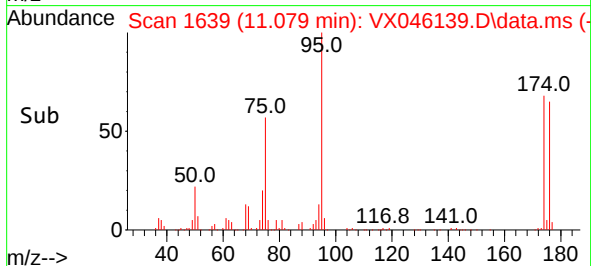
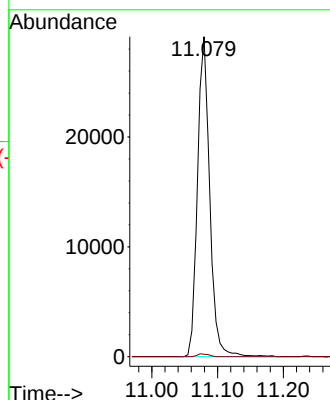
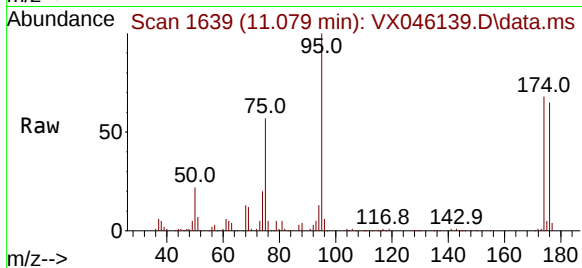
OR-636-COMP-09

Tgt Ion: 75 Resp: 37576

Ion Ratio Lower Upper

75 100

77 0.8 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.128 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046139.D

Acq: 12 May 2025 15:32

Tgt Ion: 75 Resp: 37576

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

