

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036138.D
 Acq On : 13 Jun 2023 12:55
 Operator : JC/MD
 Sample : 03173-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-62.5-67.5-061223

Quant Time: Jun 14 00:53:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

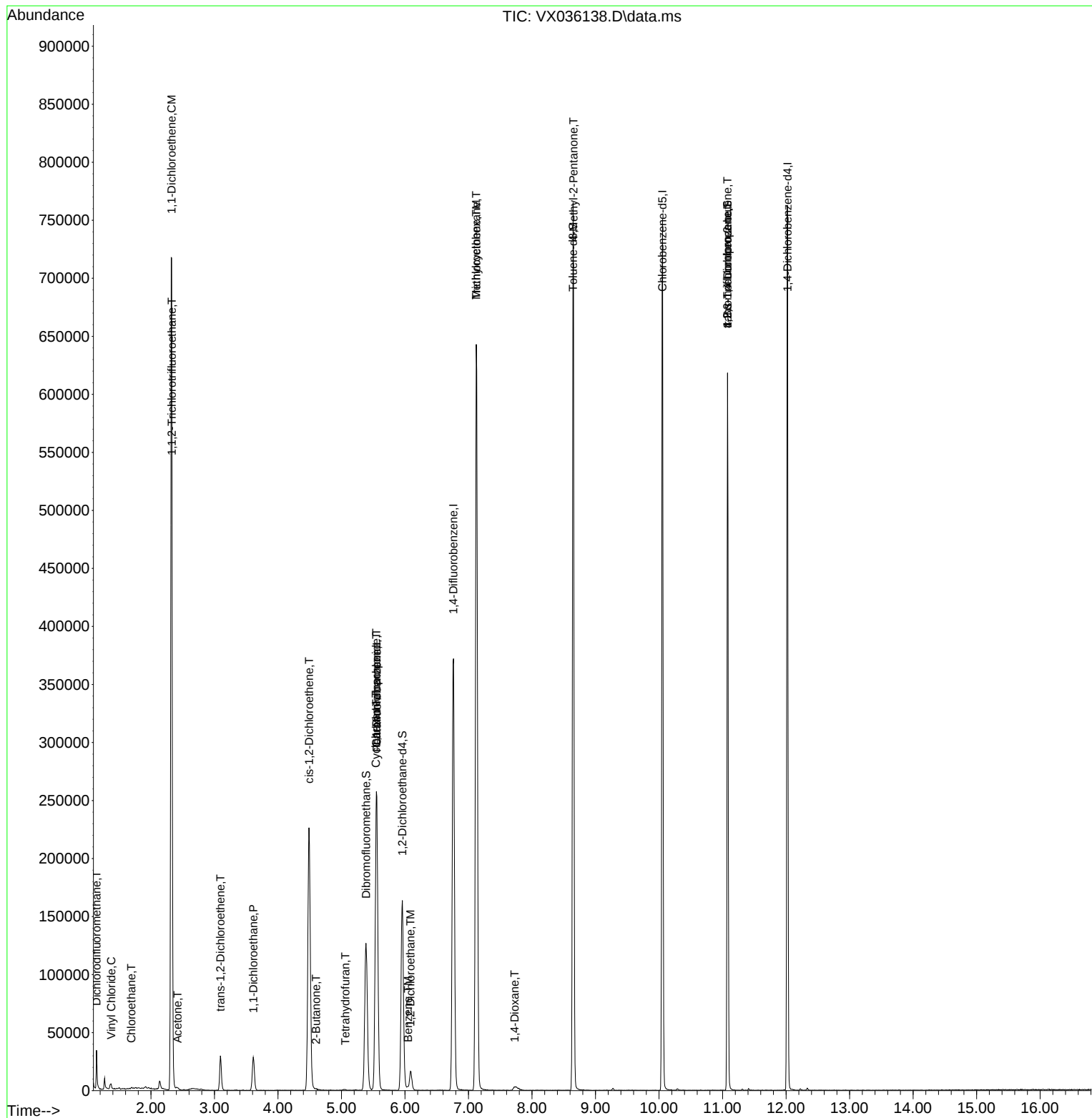
Internal Standards						
1) Pentafluorobenzene	5.556	168	218734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	363147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163889	46.141	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.280%
35) Dibromofluoromethane	5.385	113	112582	46.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.180%
50) Toluene-d8	8.647	98	427663	48.787	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.580%
62) 4-Bromofluorobenzene	11.079	95	165989	47.968	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.940%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	1409	0.590	ug/l	95
4) Vinyl Chloride	1.374	62	1482	0.578	ug/l	100
6) Chloroethane	1.691	64	546	0.361	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	1977	0.882	ug/l #	84
12) 1,1-Dichloroethene	2.325	96	225110	102.583	ug/l	98
16) Acetone	2.416	43	3198	2.182	ug/l #	72
21) trans-1,2-Dichloroethene	3.093	96	11118	4.432	ug/l	90
24) 1,1-Dichloroethane	3.611	63	32080	6.592	ug/l	98
25) 2-Butanone	4.599	43	430	0.205	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	137516	45.676	ug/l	89
29) Tetrahydrofuran	5.062	42	919	0.680	ug/l #	34
31) Cyclohexane	5.544	56	5791	1.557	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	21088	6.475	ug/l #	52
38) Carbon Tetrachloride	5.550	117	25993	8.190	ug/l #	17
39) Methylcyclohexane	7.123	83	3242	0.954	ug/l #	1
40) Benzene	6.050	78	2255	0.231	ug/l	100
42) 1,2-Dichloroethane	6.086	62	18471	4.772	ug/l	96
44) Trichloroethene	7.123	130	238170	93.932	ug/l	98
49) 1,4-Dioxane	7.726	88	5471	81.681	ug/l #	68
51) 4-Methyl-2-Pentanone	8.653	43	2038	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	88085	26.381	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	88085	88.860	ug/l #	3

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

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Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

Quant Time: Jun 14 00:53:31 2023
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Quant Title : SW846 8260
QLast Update : Wed May 31 12:50:30 2023
Response via : Initial Calibration

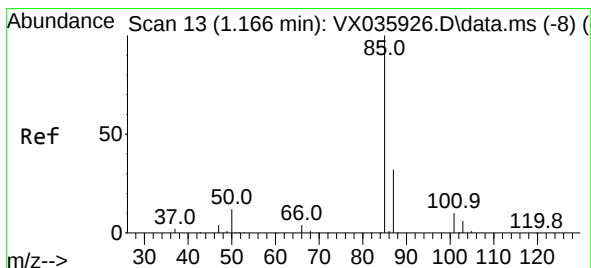
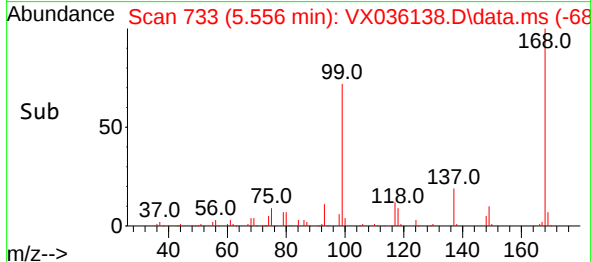
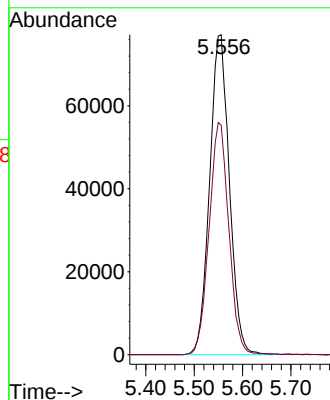
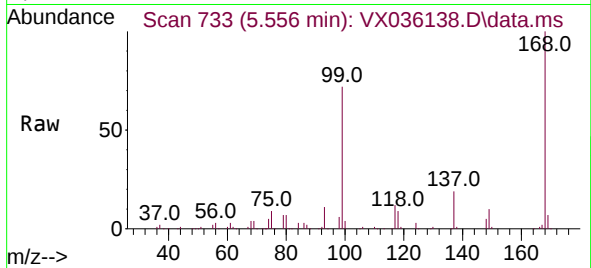




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

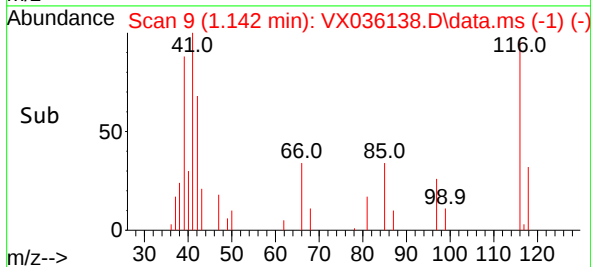
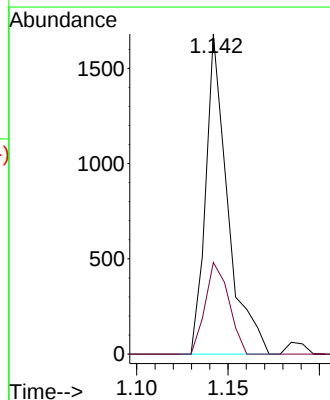
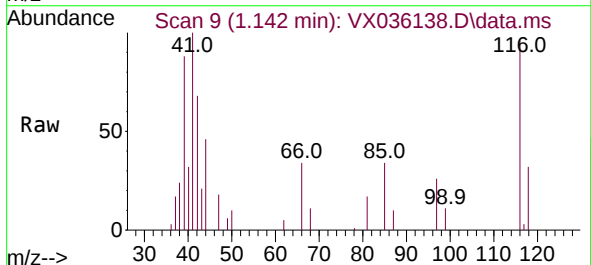
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

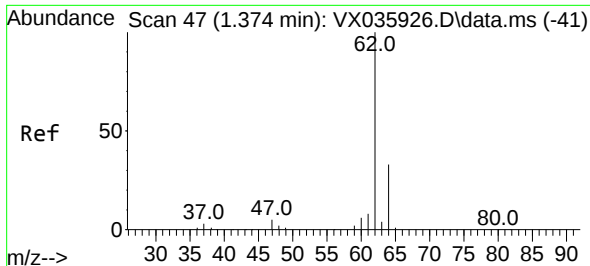
Tgt Ion:168 Resp: 218734
Ion Ratio Lower Upper
168 100
99 71.7 57.0 85.6



#2
Dichlorodifluoromethane
Concen: 0.590 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 85 Resp: 1409
Ion Ratio Lower Upper
85 100
87 28.6 15.8 47.4

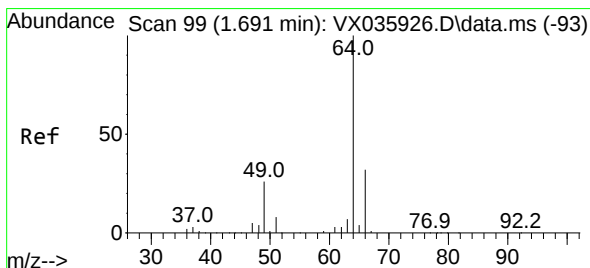
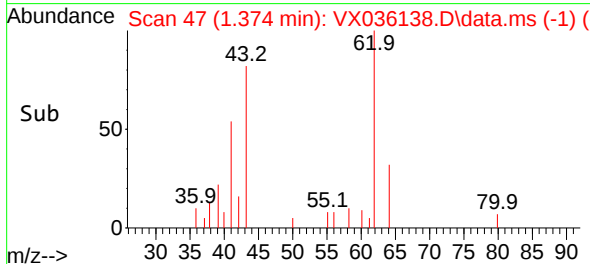
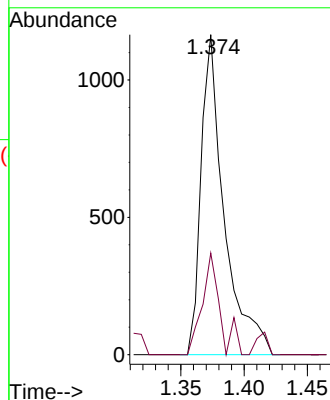
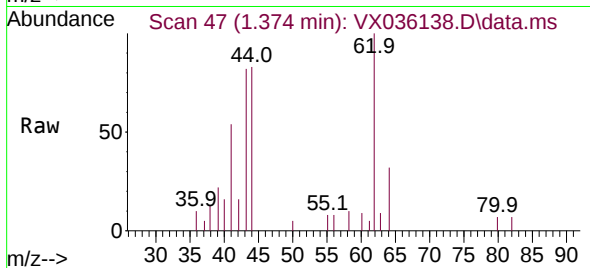




#4
 Vinyl Chloride
 Concen: 0.578 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX036138.D
 Acq: 13 Jun 2023 12:55

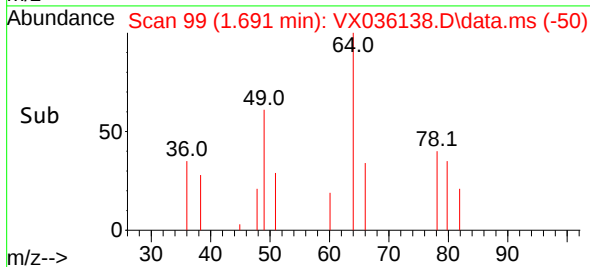
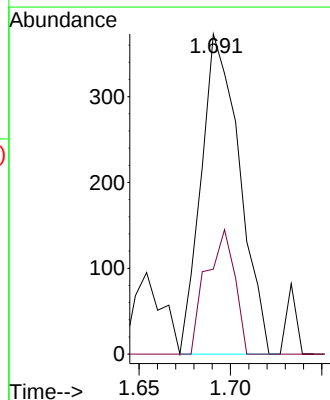
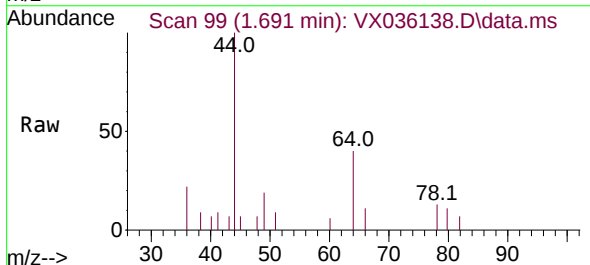
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-62.5-67.5-061223

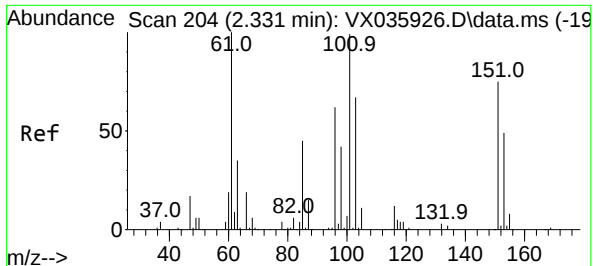
Tgt Ion: 62 Resp: 1482
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.2 37.8



#6
 Chloroethane
 Concen: 0.361 ug/l
 RT: 1.691 min Scan# 99
 Delta R.T. 0.001 min
 Lab File: VX036138.D
 Acq: 13 Jun 2023 12:55

Tgt Ion: 64 Resp: 546
 Ion Ratio Lower Upper
 64 100
 66 26.5 26.0 39.0

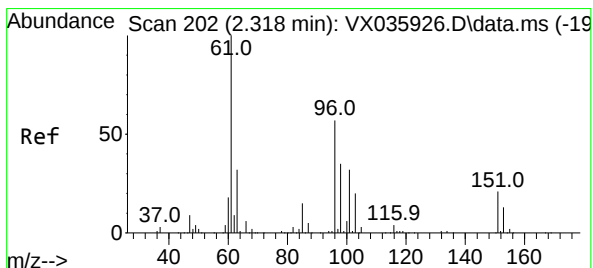
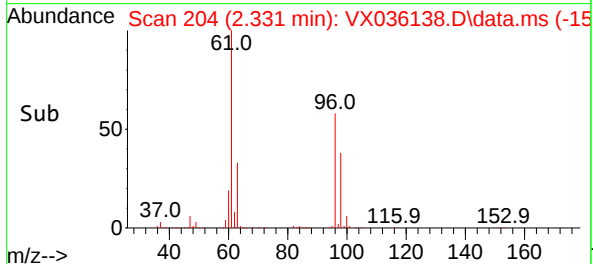
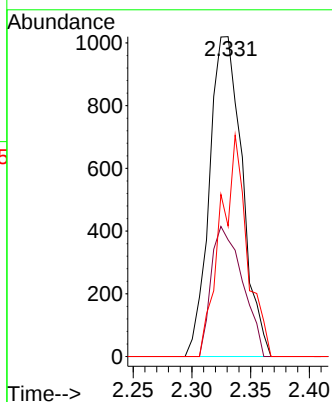
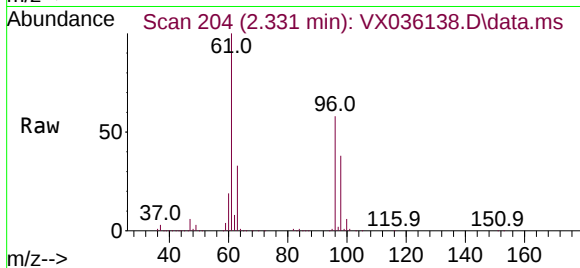




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.882 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.001 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

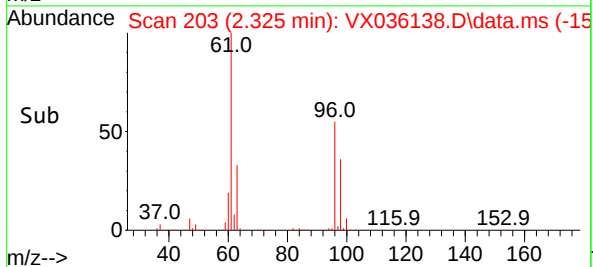
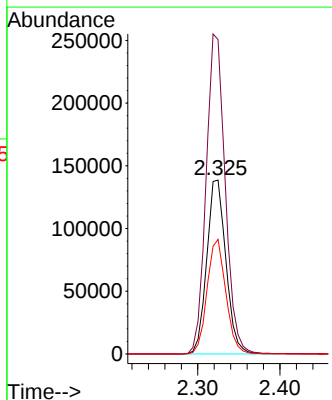
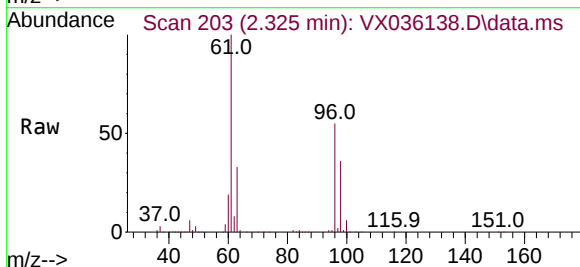
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

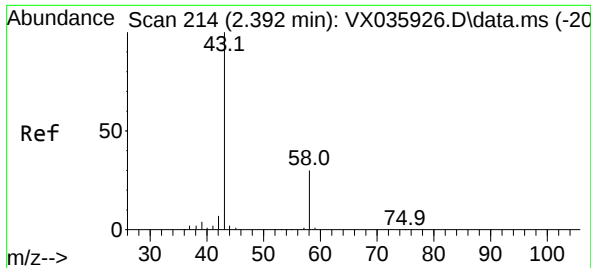
Tgt Ion:101 Resp: 1977
Ion Ratio Lower Upper
101 100
85 38.8 37.3 55.9
151 56.1 57.0 85.6#



#12
1,1-Dichloroethene
Concen: 102.583 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 96 Resp: 225110
Ion Ratio Lower Upper
96 100
61 180.8 145.2 217.8
98 65.8 49.3 73.9





#16

Acetone

Concen: 2.182 ug/l

RT: 2.416 min Scan# 21

Delta R.T. 0.025 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

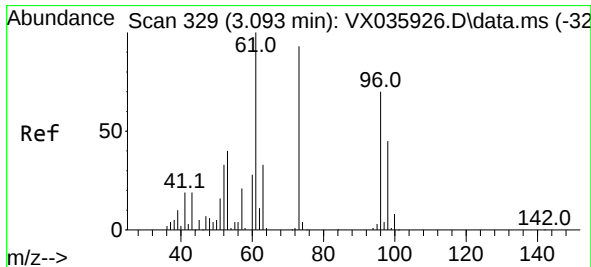
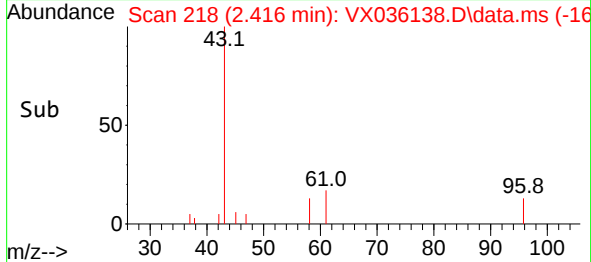
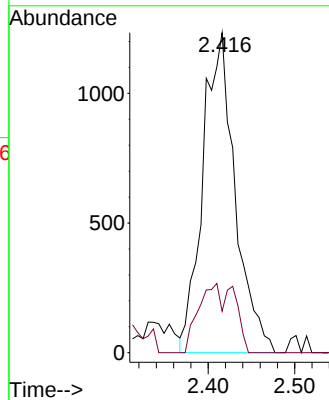
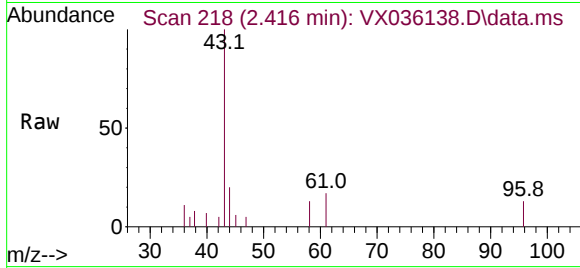
OW-07B-62.5-67.5-061223

Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

58 13.0 22.2 33.2#



#21

trans-1,2-Dichloroethene

Concen: 4.432 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.007 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

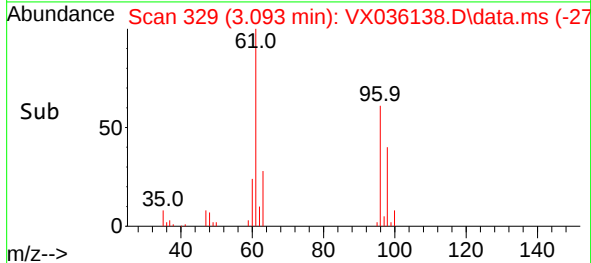
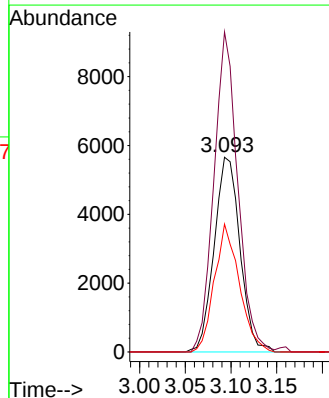
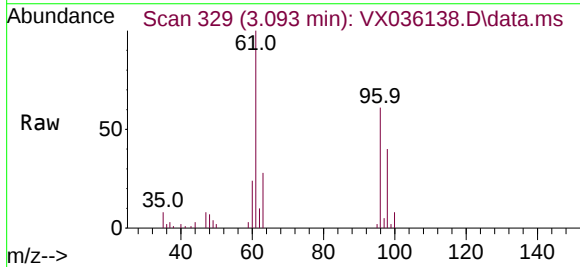
Tgt Ion: 96 Resp: 11118

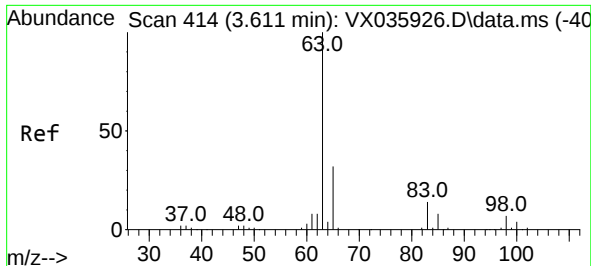
Ion Ratio Lower Upper

96 100

61 164.3 118.2 177.4

98 65.6 50.6 75.8

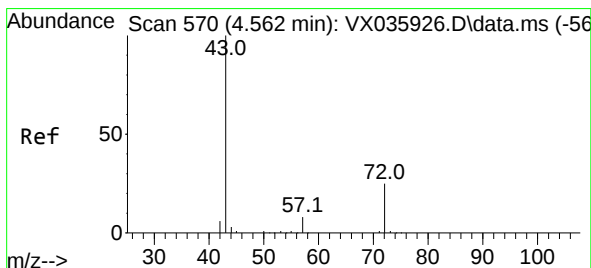
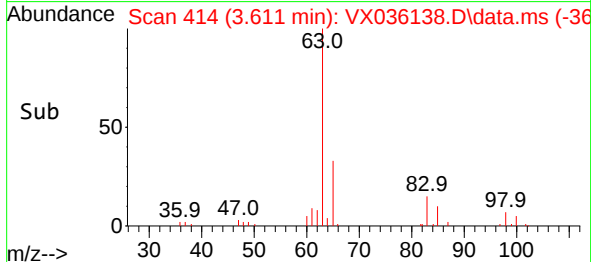
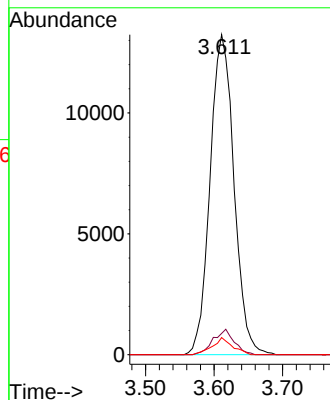
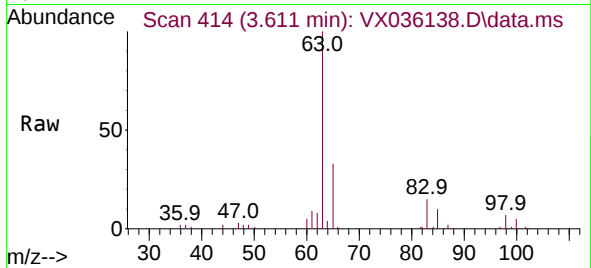




#24
1,1-Dichloroethane
Concen: 6.592 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

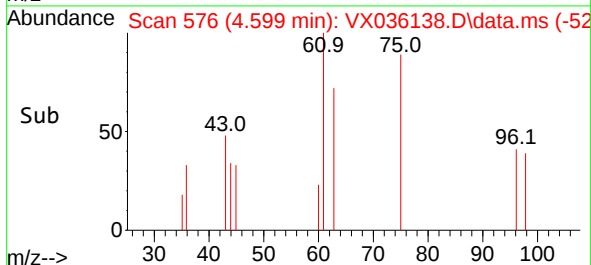
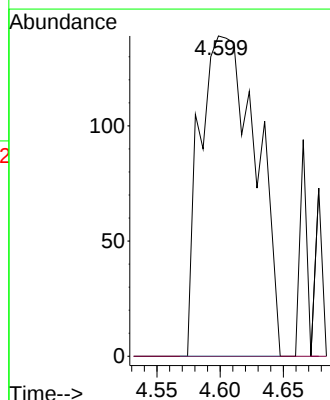
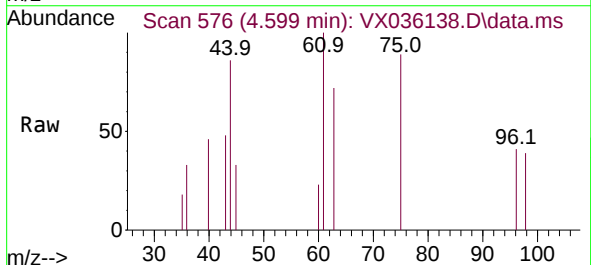
Instrument :
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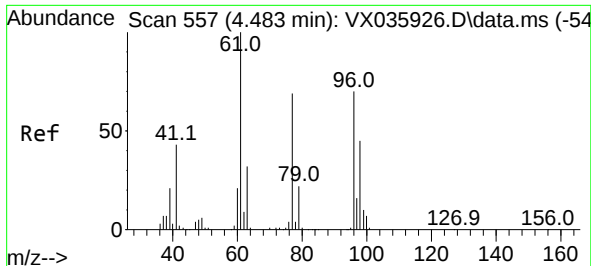
Tgt Ion: 63 Resp: 32080
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.5
100 5.4 2.3 6.9



#25
2-Butanone
Concen: 0.205 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 45.676 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223

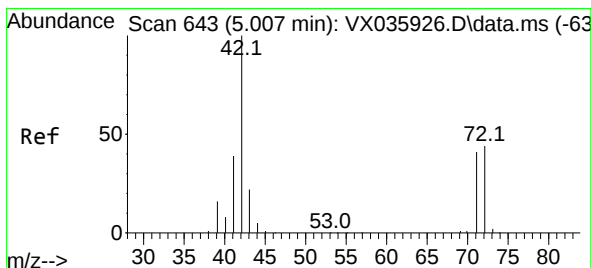
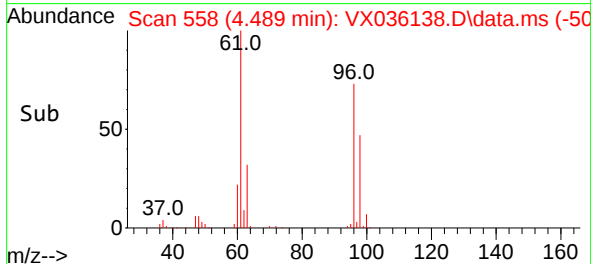
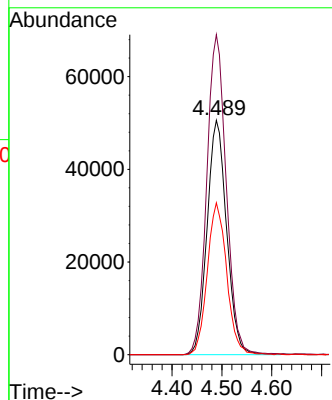
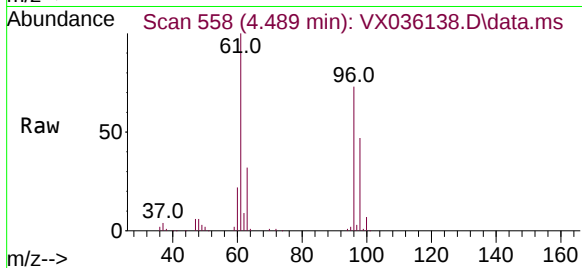
Tgt Ion: 96 Resp: 137516

Ion Ratio Lower Upper

96 100

61 136.3 0.0 312.6

98 64.3 0.0 130.0



#29

Tetrahydrofuran

Concen: 0.680 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.049 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

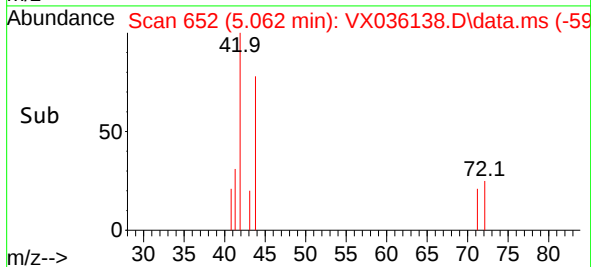
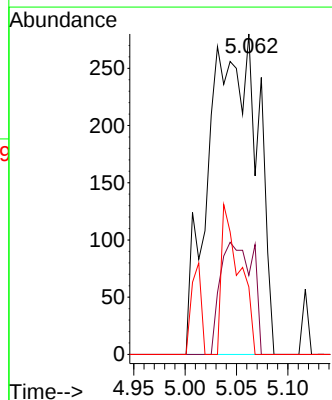
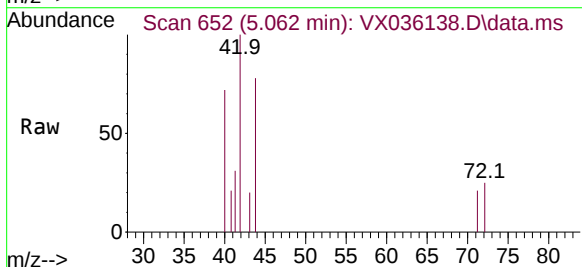
Tgt Ion: 42 Resp: 919

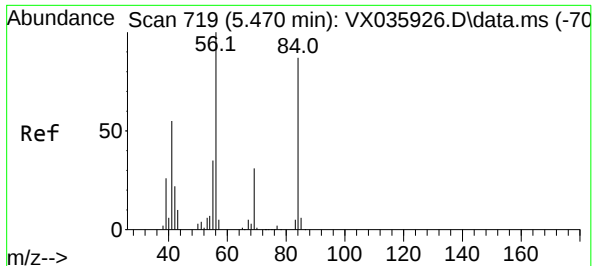
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

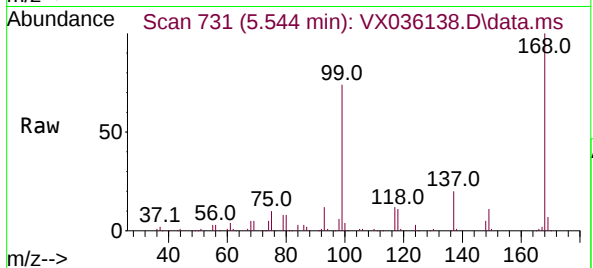
71 0.0 31.8 47.8#



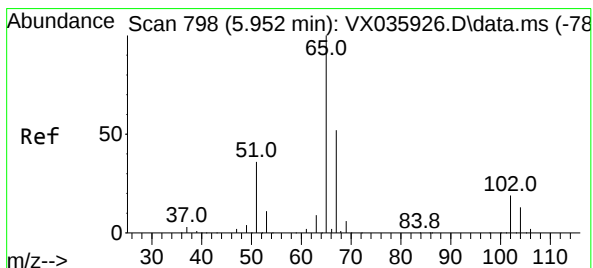
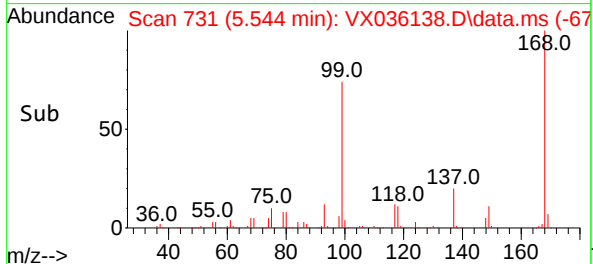
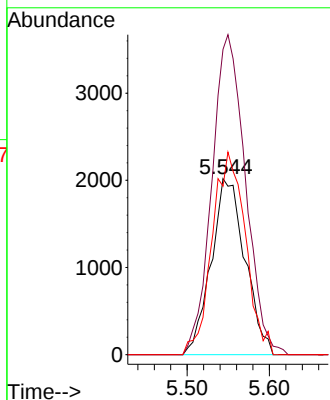


#31
Cyclohexane
Concen: 1.557 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

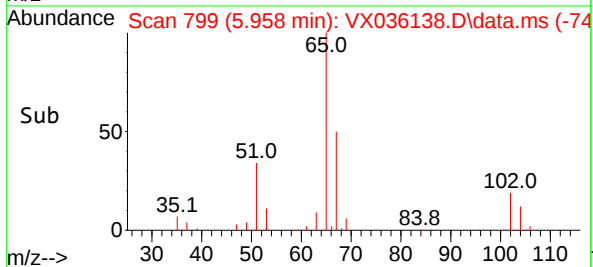
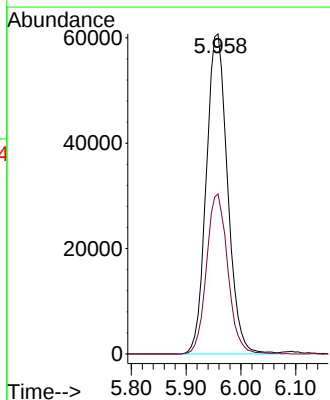
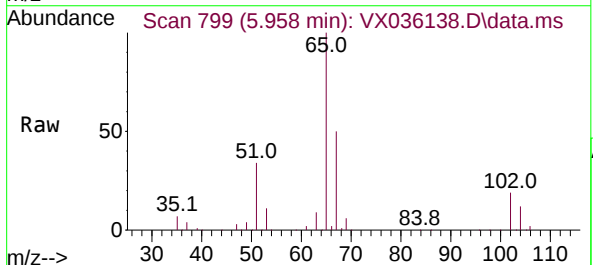


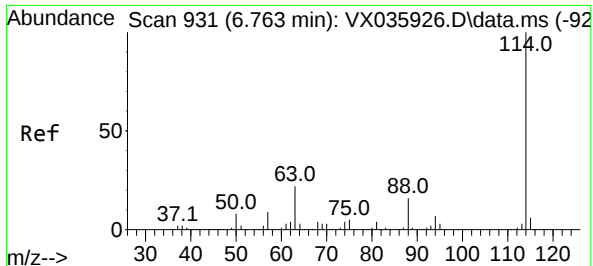
Tgt Ion: 56 Resp: 5791
Ion Ratio Lower Upper
56 100
69 173.5 25.9 38.9#
84 95.7 67.6 101.4



#33
1,2-Dichloroethane-d4
Concen: 46.141 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 65 Resp: 163889
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.6

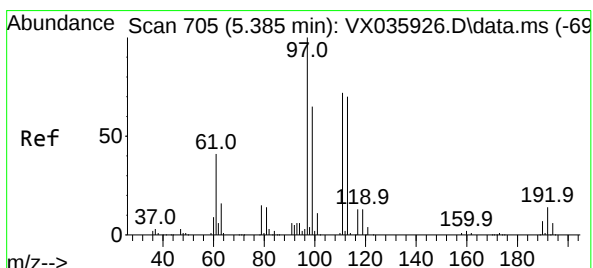
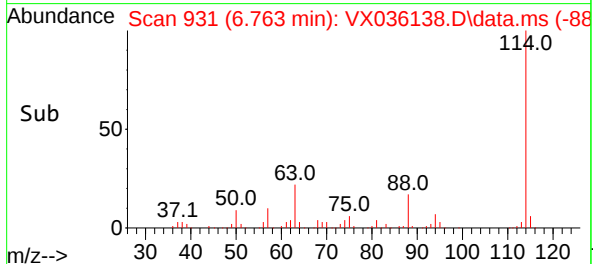
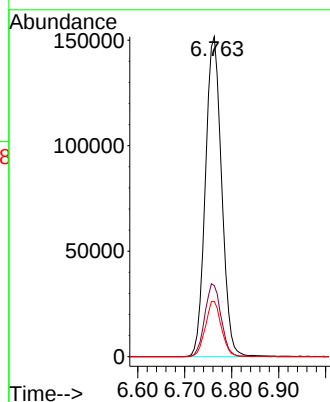
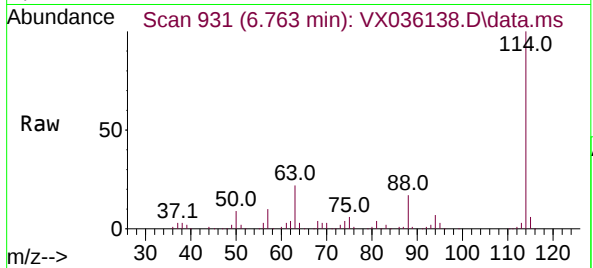




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

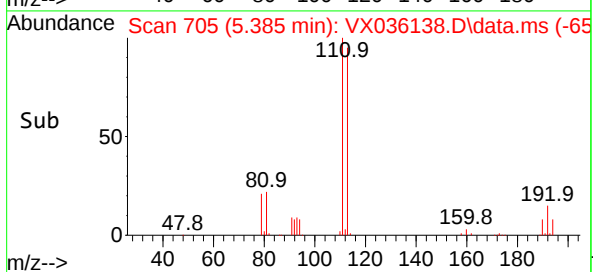
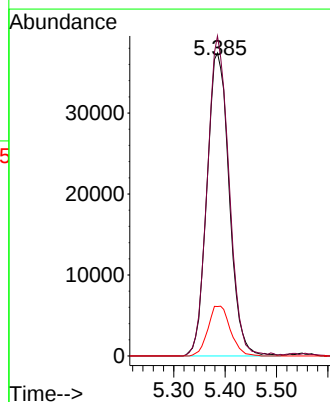
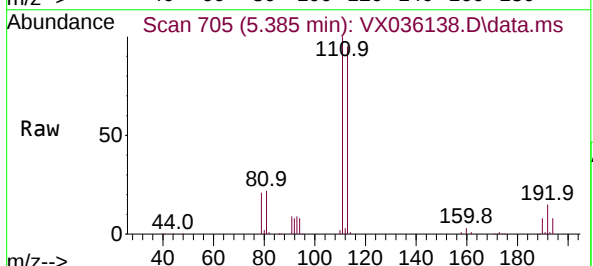
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

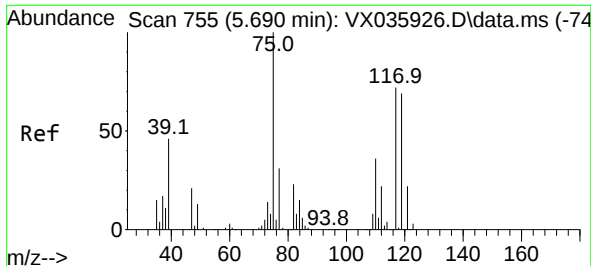
Tgt Ion:114 Resp: 363147
Ion Ratio Lower Upper
114 100
63 22.2 0.0 46.0
88 17.3 0.0 35.2



#35
Dibromofluoromethane
Concen: 46.093 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion:113 Resp: 112582
Ion Ratio Lower Upper
113 100
111 102.9 81.7 122.5
192 16.5 13.5 20.3

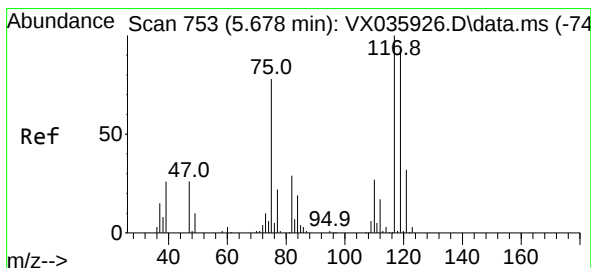
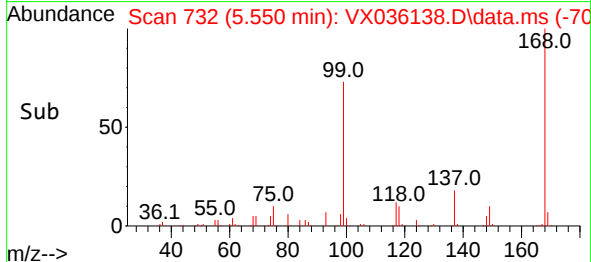
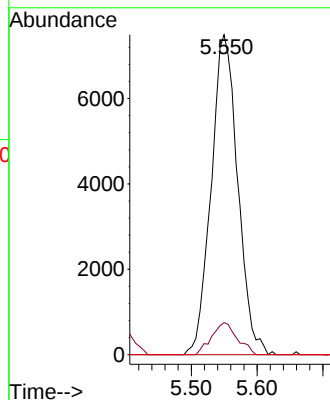
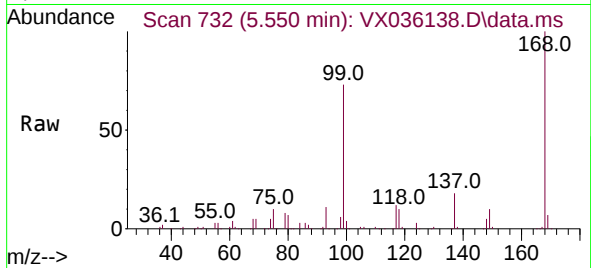




#36
1,1-Dichloropropene
Concen: 6.475 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

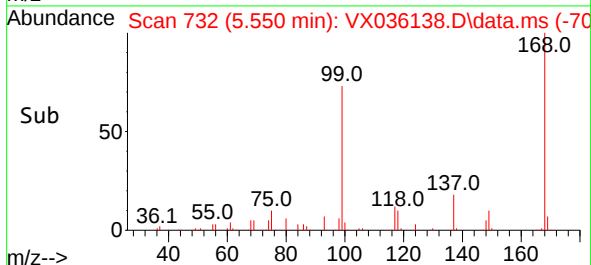
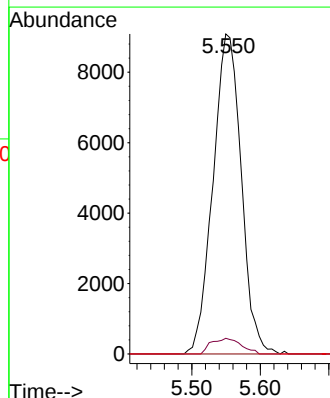
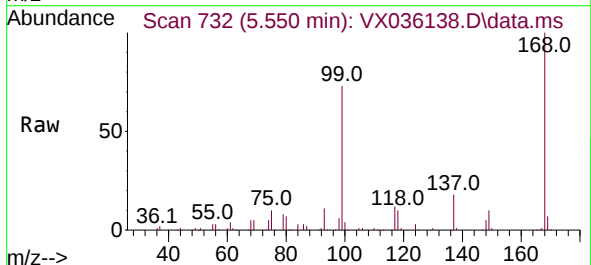
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

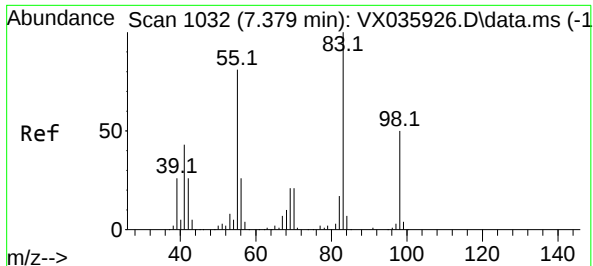
Tgt Ion: 75 Resp: 21088
Ion Ratio Lower Upper
75 100
110 9.7 16.6 49.7#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 8.190 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 117 Resp: 25993
Ion Ratio Lower Upper
117 100
119 4.9 74.1 111.1#
121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 0.954 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.255 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223

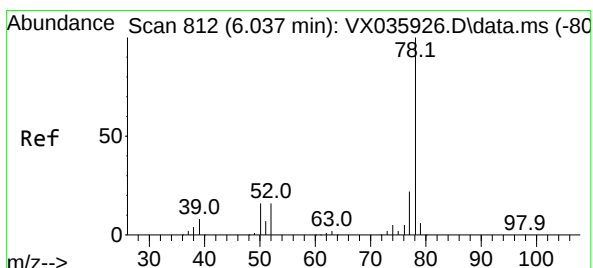
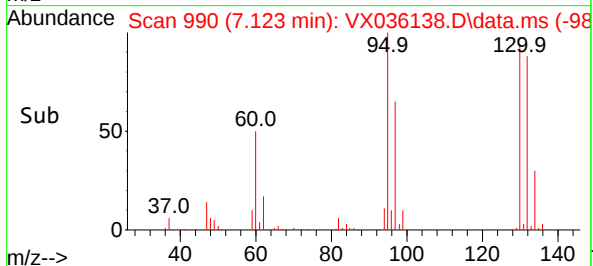
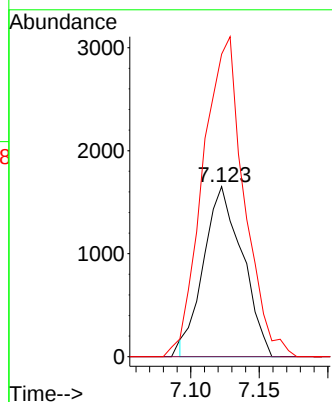
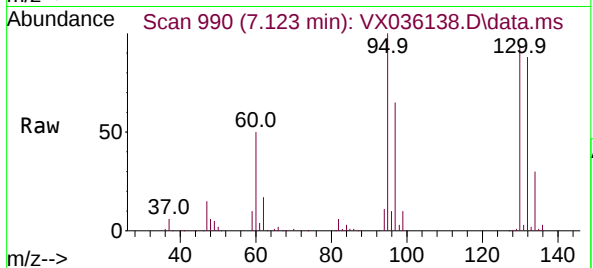
Tgt Ion: 83 Resp: 3242

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 167.6 38.1 57.1#



#40

Benzene

Concen: 0.231 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.013 min

Lab File: VX036138.D

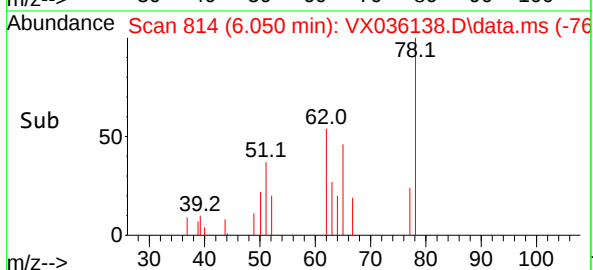
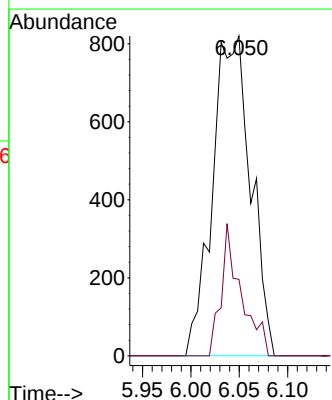
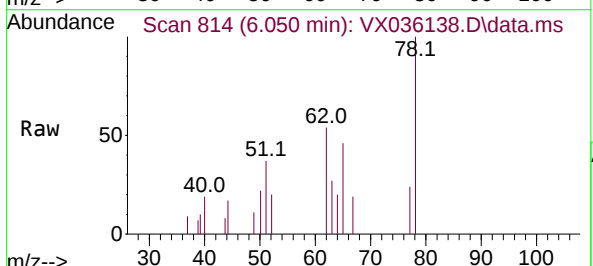
Acq: 13 Jun 2023 12:55

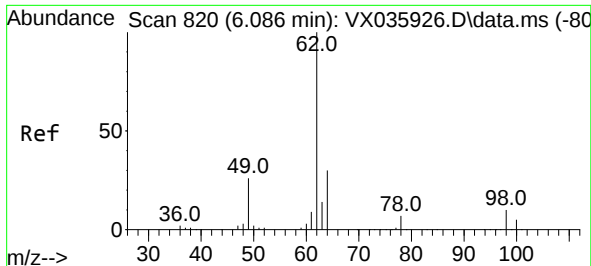
Tgt Ion: 78 Resp: 2255

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6





#42

1,2-Dichloroethane

Concen: 4.772 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

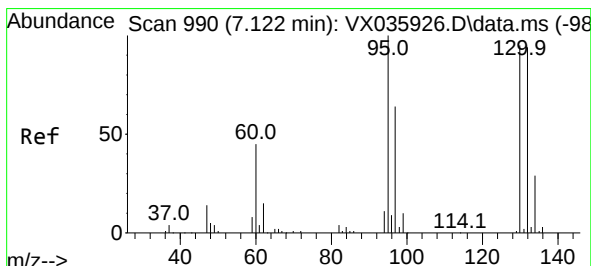
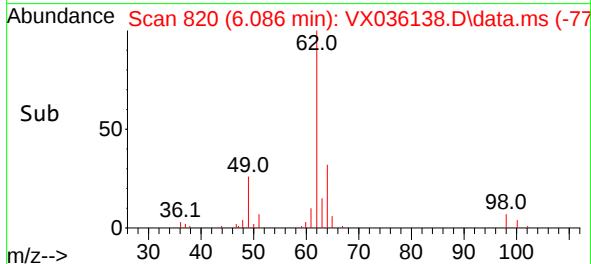
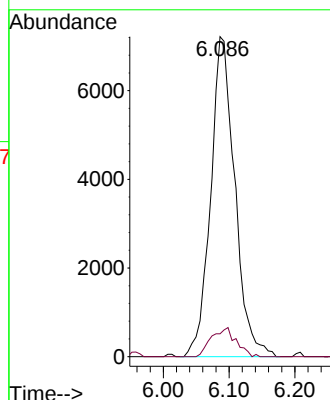
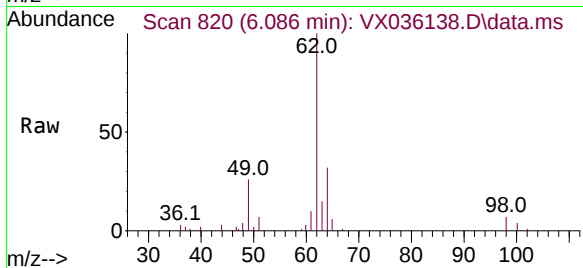
OW-07B-62.5-67.5-061223

Tgt Ion: 62 Resp: 18471

Ion Ratio Lower Upper

62 100

98 9.3 0.0 16.0



#44

Trichloroethene

Concen: 93.932 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.001 min

Lab File: VX036138.D

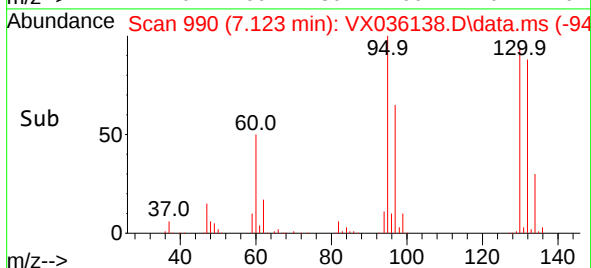
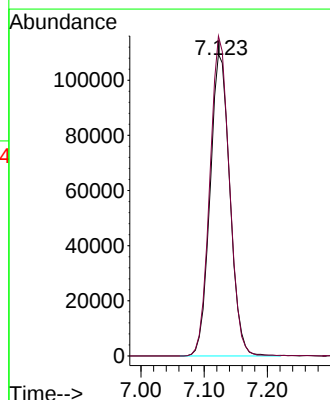
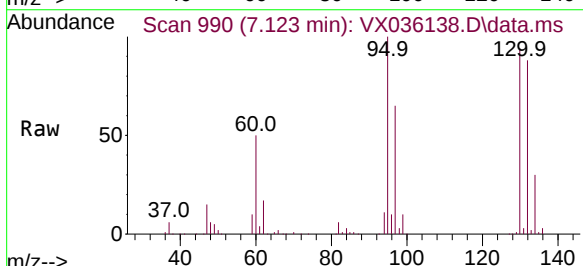
Acq: 13 Jun 2023 12:55

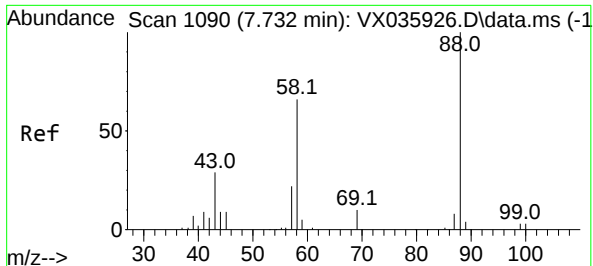
Tgt Ion:130 Resp: 238170

Ion Ratio Lower Upper

130 100

95 106.0 0.0 207.6





#49

1,4-Dioxane

Concen: 81.681 ug/l

RT: 7.726 min Scan# 110

Delta R.T. 0.012 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223

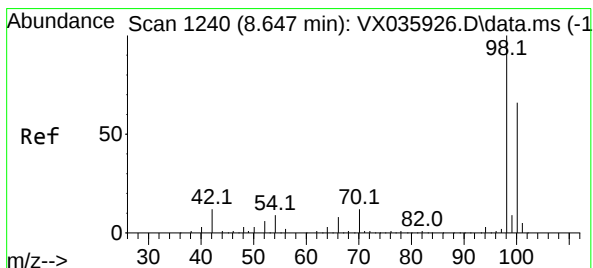
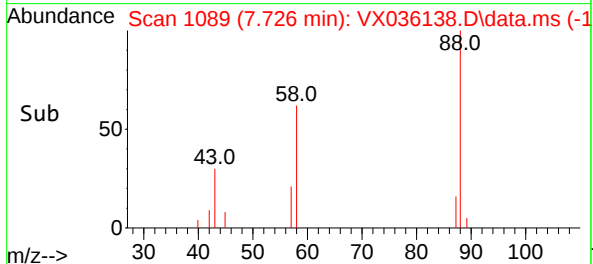
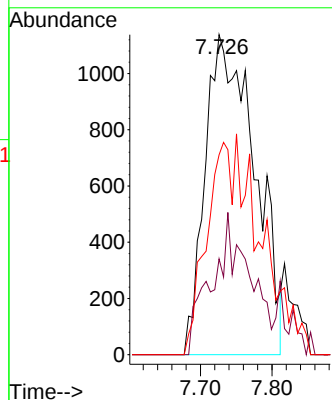
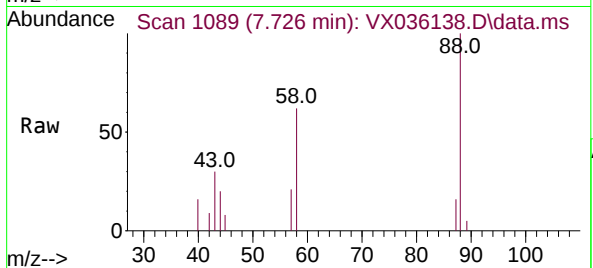
Tgt Ion: 88 Resp: 5471

Ion Ratio Lower Upper

88 100

43 34.0 27.4 41.0

58 34.1 58.9 88.3#



#50

Toluene-d8

Concen: 48.787 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036138.D

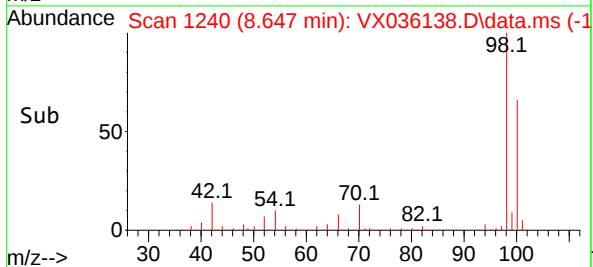
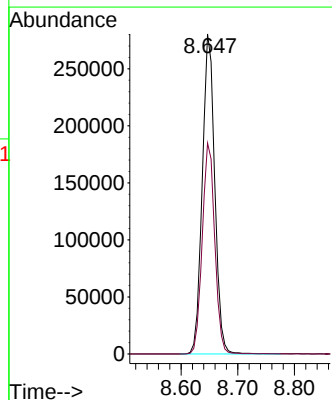
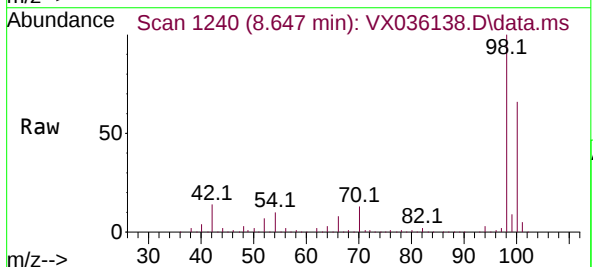
Acq: 13 Jun 2023 12:55

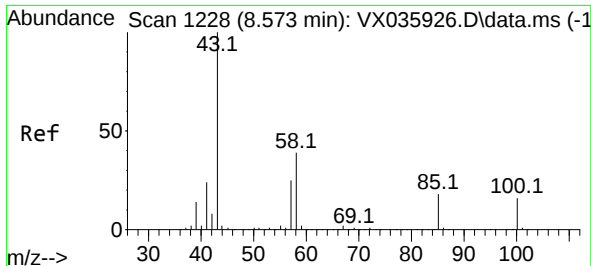
Tgt Ion: 98 Resp: 427663

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0

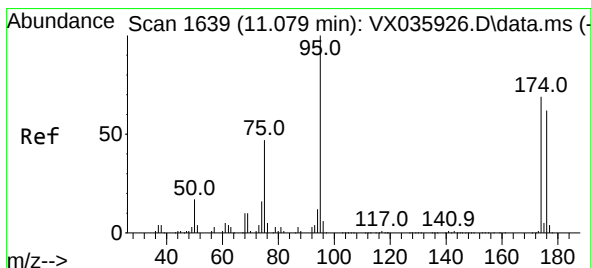
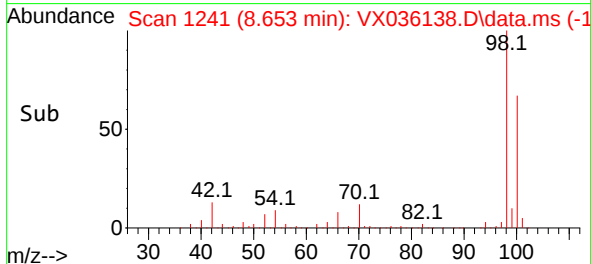
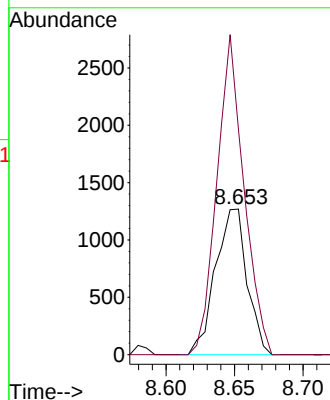
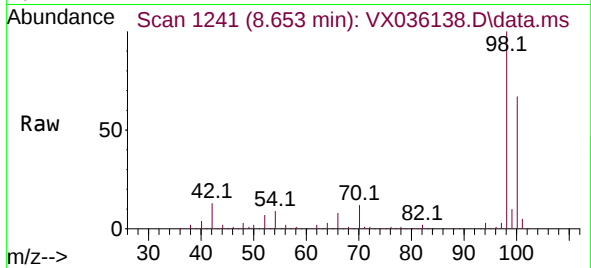




#51
4-Methyl-2-Pentanone
Concen: 0.560 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

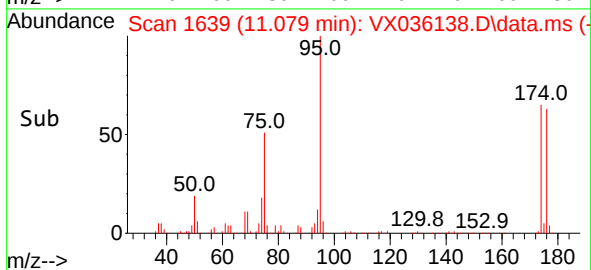
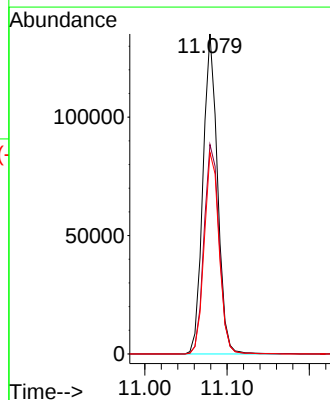
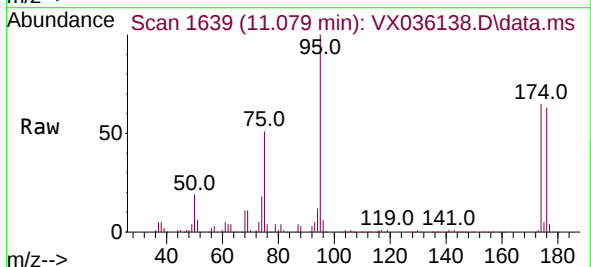
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

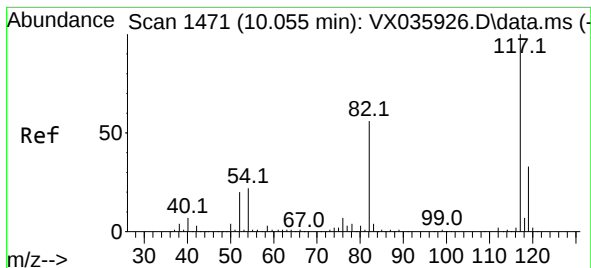
Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 188.0 30.1 45.1#



#62
4-Bromofluorobenzene
Concen: 47.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 95 Resp: 165989
Ion Ratio Lower Upper
95 100
174 68.1 0.0 132.6
176 64.4 0.0 128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223

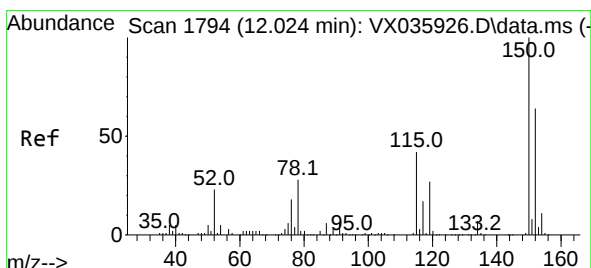
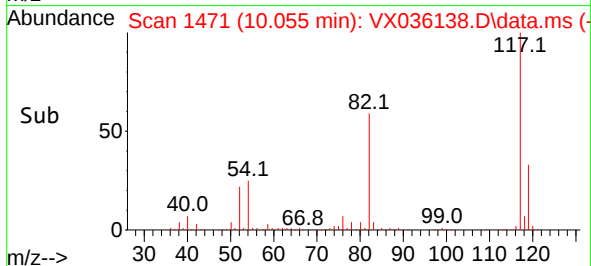
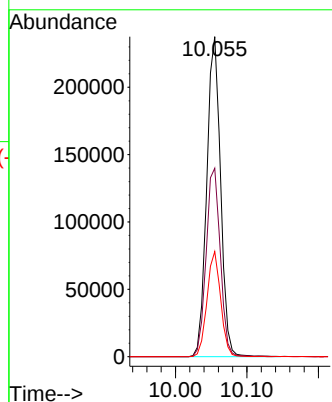
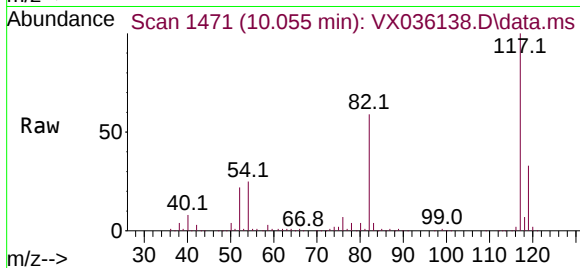
Tgt Ion:117 Resp: 318993

Ion Ratio Lower Upper

117 100

82 58.9 46.6 69.8

119 32.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036138.D

Acq: 13 Jun 2023 12:55

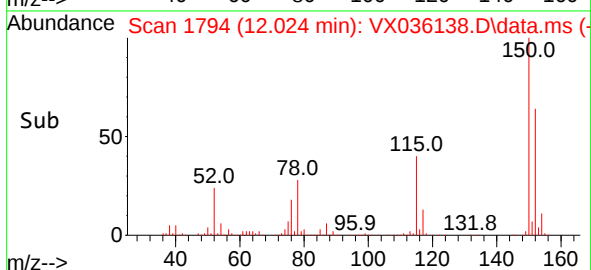
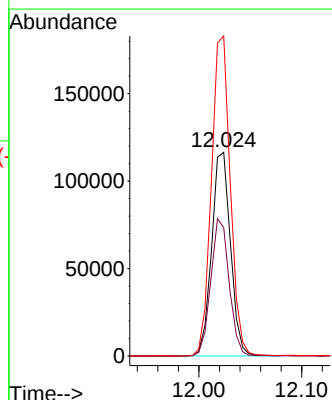
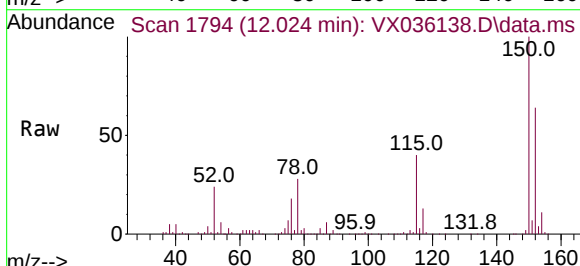
Tgt Ion:152 Resp: 148039

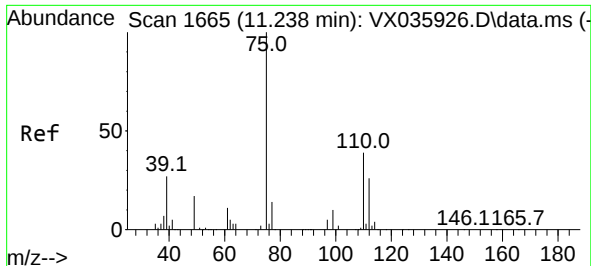
Ion Ratio Lower Upper

152 100

115 65.8 45.5 136.5

150 157.4 0.0 345.2

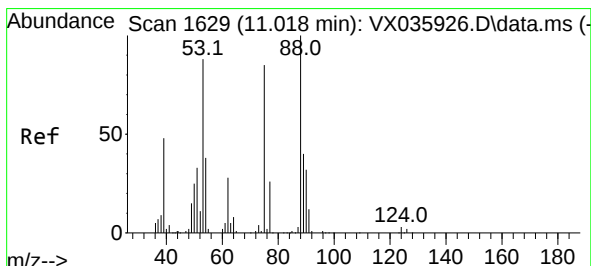
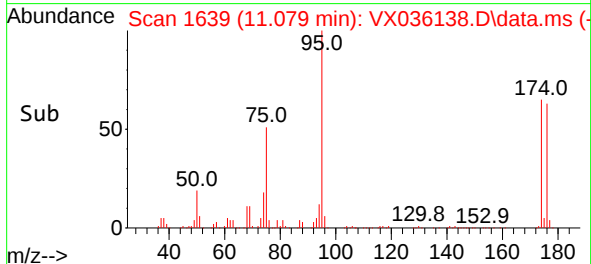
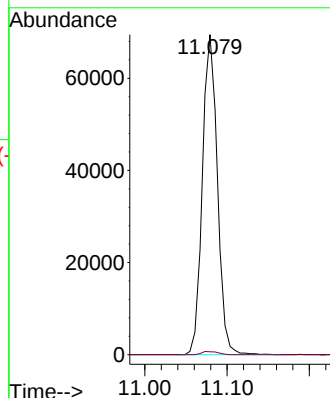
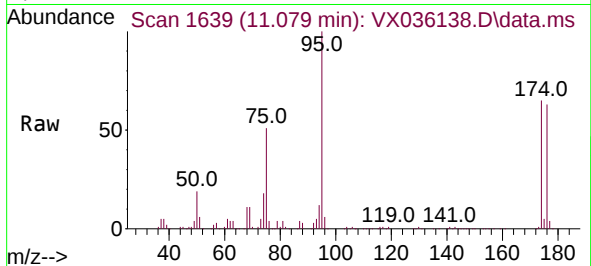




#76
1,2,3-Trichloropropane
Concen: 26.381 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223

Tgt Ion: 75 Resp: 88085
Ion Ratio Lower Upper
75 100
77 1.1 21.4 64.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036138.D
Acq: 13 Jun 2023 12:55

Tgt Ion: 75 Resp: 88085
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#

