

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037565.D
 Acq On : 06 Sep 2023 19:32
 Operator : JC/MD
 Sample : 04288-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-06B-76.5-090123-3V

Quant Time: Sep 06 22:48:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

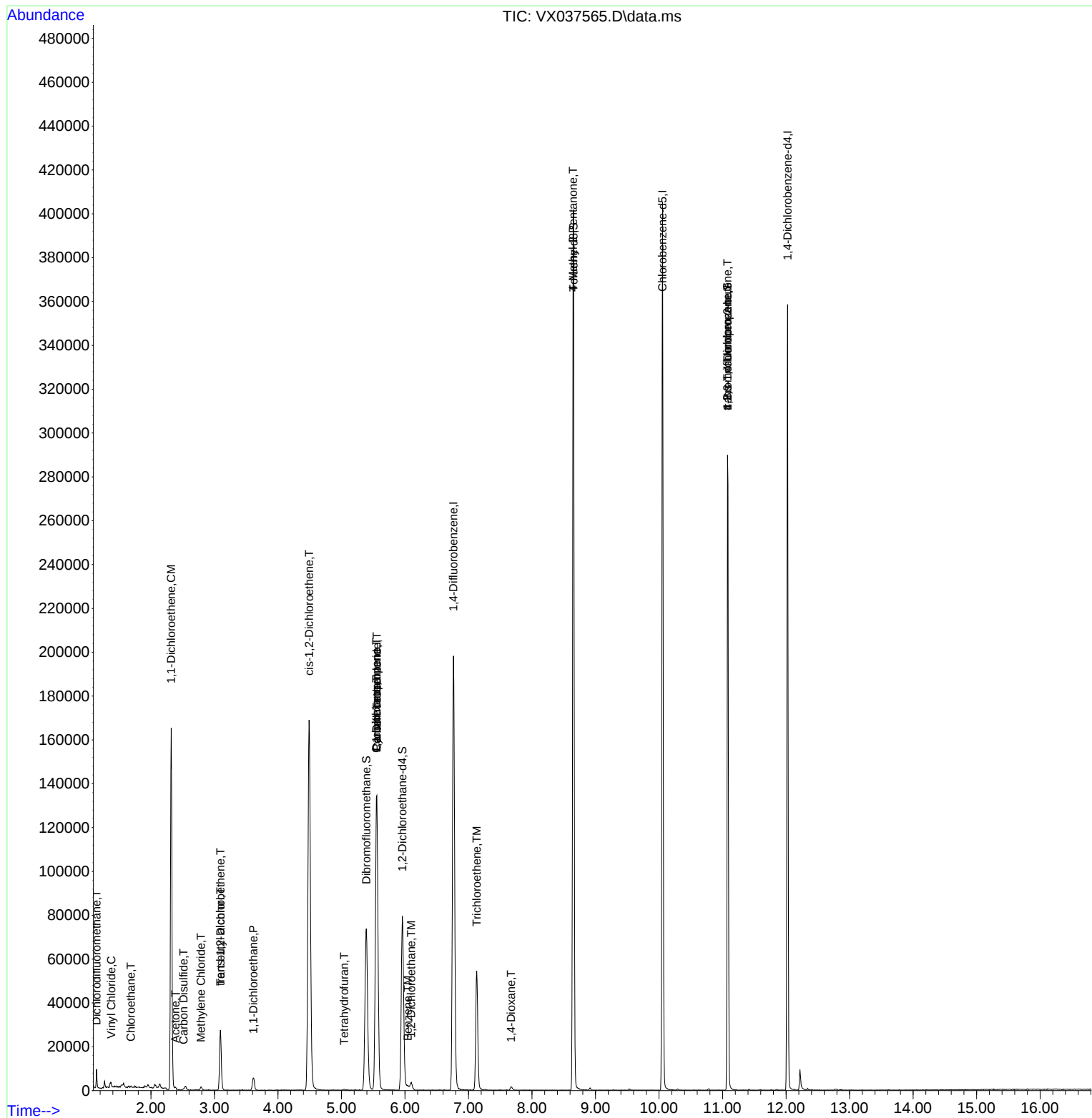
Internal Standards						
1) Pentafluorobenzene	5.556	168	128674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76562	41.272	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.540%
35) Dibromofluoromethane	5.391	113	67090	46.904	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.800%
50) Toluene-d8	8.653	98	253235	48.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.620%
62) 4-Bromofluorobenzene	11.079	95	85732	42.046	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	399	0.267	ug/l	98
4) Vinyl Chloride	1.374	62	527	0.370	ug/l #	81
6) Chloroethane	1.685	64	597	0.713	ug/l	100
11) Tert butyl alcohol	3.093	59	518	1.190	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	57697	43.559	ug/l	81
16) Acetone	2.386	43	1233	1.699	ug/l #	80
17) Carbon Disulfide	2.514	76	846	0.251	ug/l #	76
20) Methylene Chloride	2.788	84	826	0.509	ug/l #	73
21) trans-1,2-Dichloroethene	3.093	96	11878	7.889	ug/l	85
24) 1,1-Dichloroethane	3.611	63	6888	2.611	ug/l #	97
27) cis-1,2-Dichloroethene	4.489	96	116464	65.609	ug/l	78
29) Tetrahydrofuran	5.044	42	214	0.307	ug/l #	66
31) Cyclohexane	5.550	56	2255	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9753	4.799	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13539	6.133	ug/l #	14
40) Benzene	6.044	78	2488	0.427	ug/l	93
42) 1,2-Dichloroethane	6.098	62	4168	1.824	ug/l	100
44) Trichloroethene	7.129	130	22726	13.751	ug/l	97
49) 1,4-Dioxane	7.671	88	1646	38.026	ug/l #	78
51) 4-Methyl-2-Pentanone	8.647	43	839	0.419	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	40890	25.081	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40890	70.053	ug/l #	5

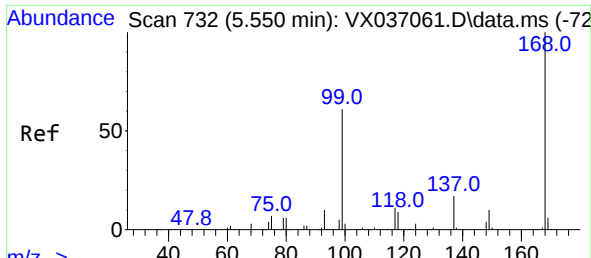
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

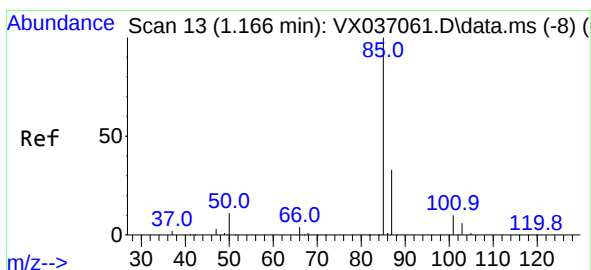
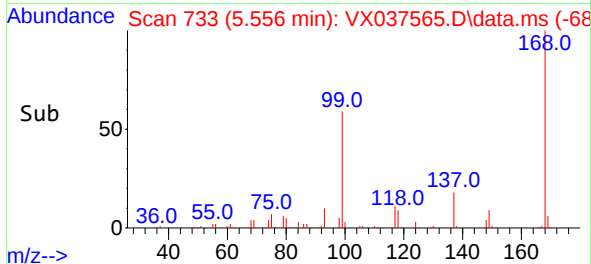
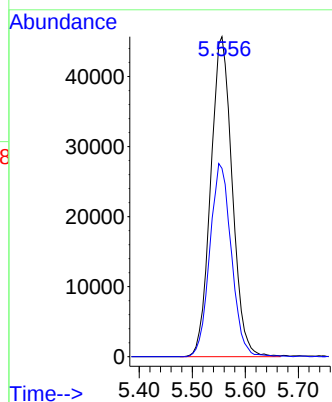
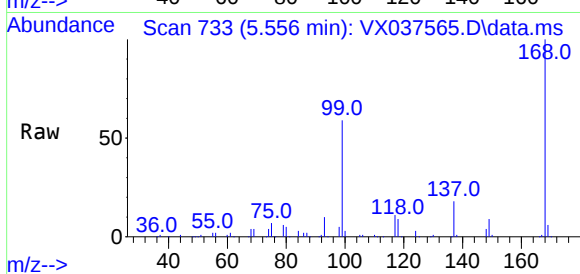
OWBR-06B-76.5-090123-3V

Tgt Ion:168 Resp: 128674

Ion Ratio Lower Upper

168 100

99 58.8 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.267 ug/l

RT: 1.142 min Scan# 9

Delta R.T. -0.024 min

Lab File: VX037565.D

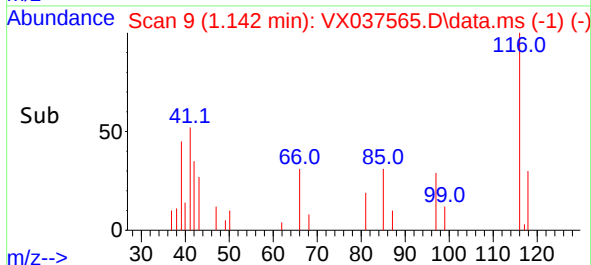
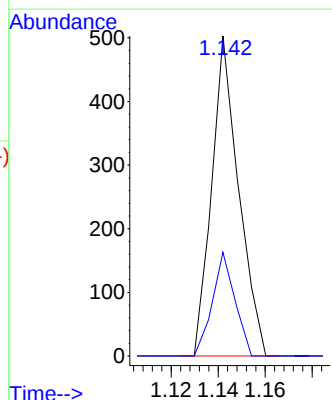
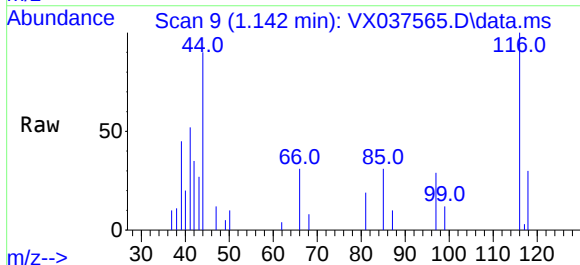
Acq: 06 Sep 2023 19:32

Tgt Ion: 85 Resp: 399

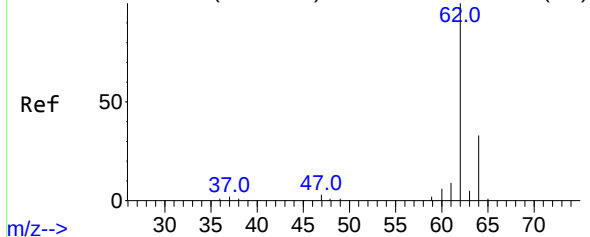
Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Scan 47 (1.374 min): VX037061.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.370 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06B-76.5-090123-3V

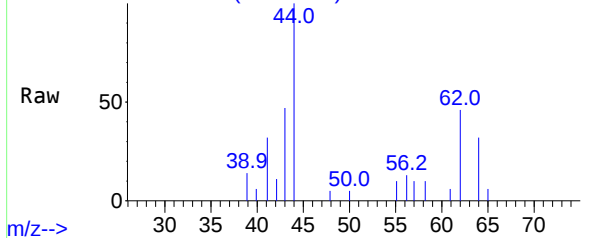
Tgt Ion: 62 Resp: 527

Ion Ratio Lower Upper

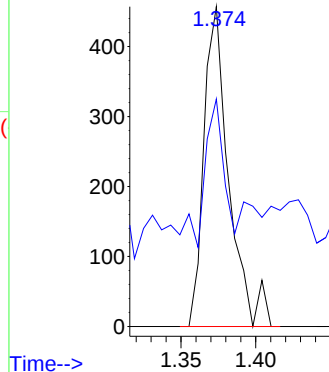
62 100

64 42.5 25.4 38.0#

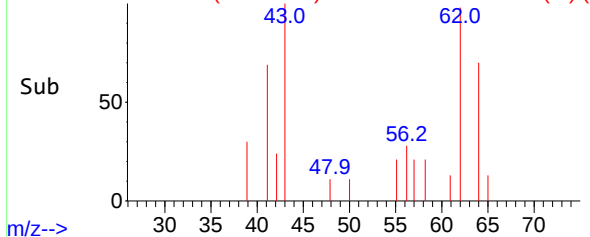
Abundance Scan 47 (1.374 min): VX037565.D\data.ms



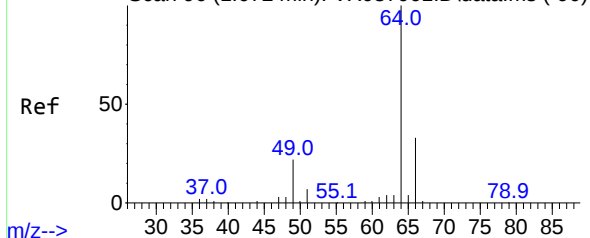
Abundance



Abundance Scan 47 (1.374 min): VX037565.D\data.ms (-1)



Abundance Scan 96 (1.672 min): VX037061.D\data.ms (-90)



#6

Chloroethane

Concen: 0.713 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.013 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

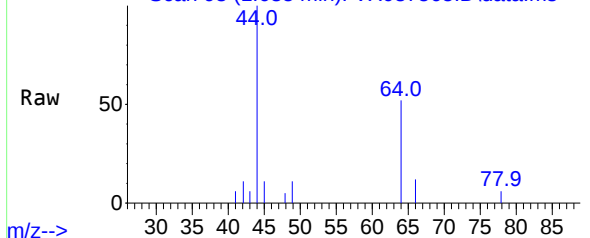
Tgt Ion: 64 Resp: 597

Ion Ratio Lower Upper

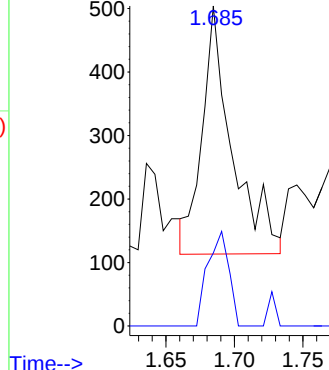
64 100

66 31.5 25.1 37.7

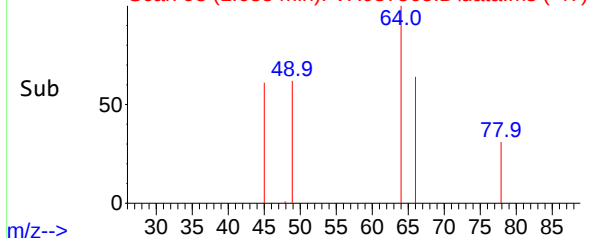
Abundance Scan 98 (1.685 min): VX037565.D\data.ms

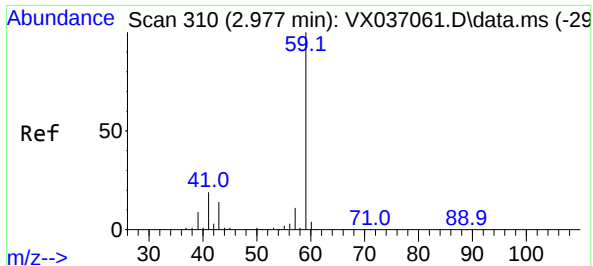


Abundance



Abundance Scan 98 (1.685 min): VX037565.D\data.ms (-47)

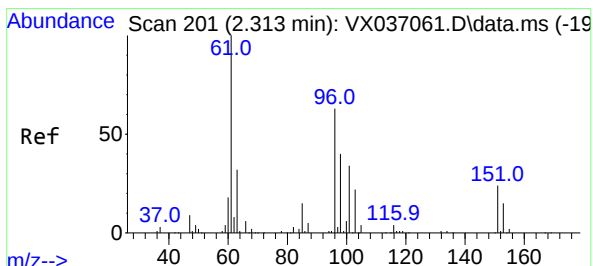
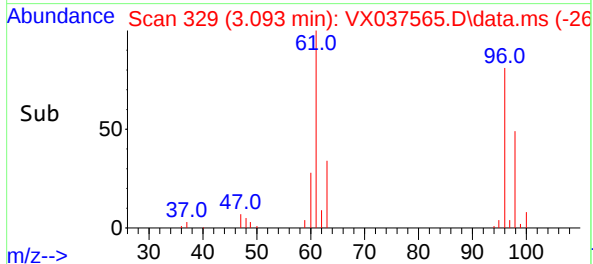
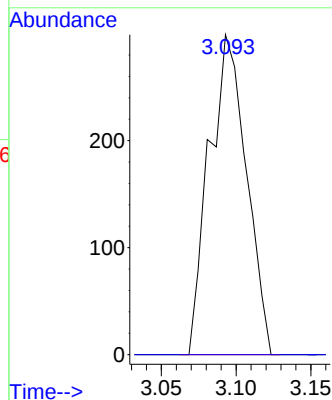
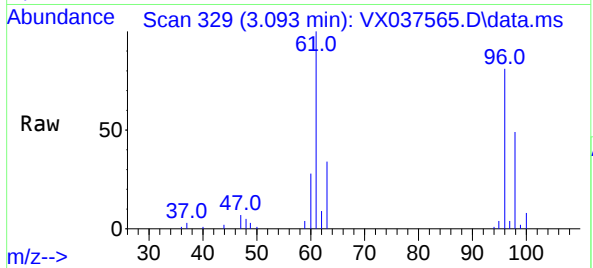




#11
Tert butyl alcohol
Concen: 1.190 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.116 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

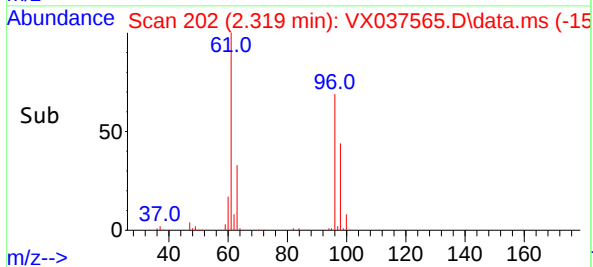
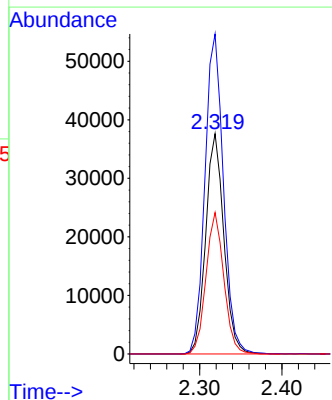
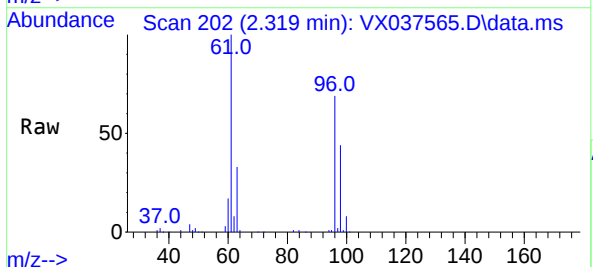
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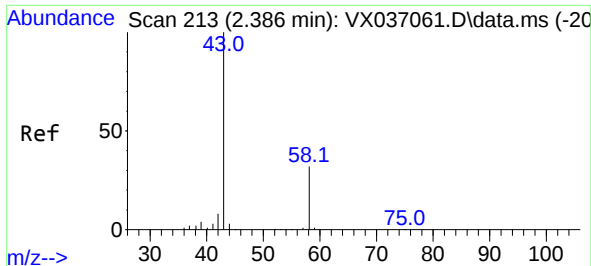
Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 43.559 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 96 Resp: 57697
Ion Ratio Lower Upper
96 100
61 145.2 144.6 216.8
98 64.2 50.4 75.6

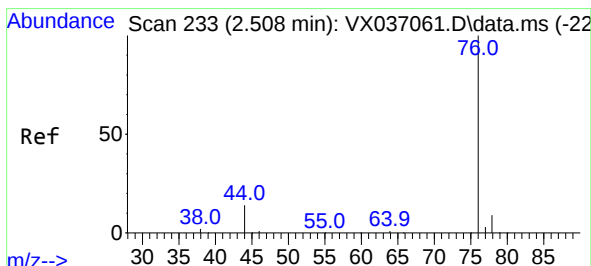
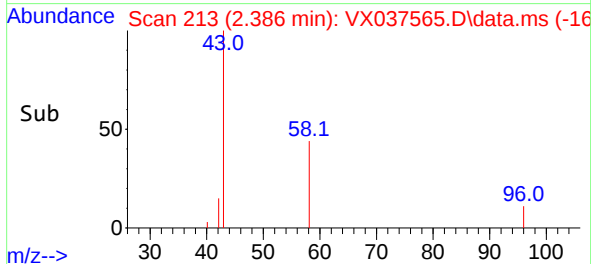
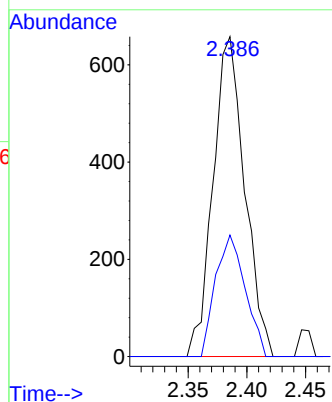
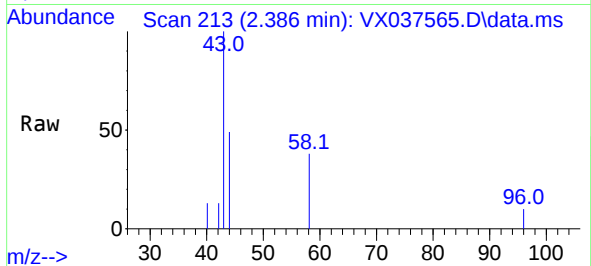




#16
Acetone
Concen: 1.699 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

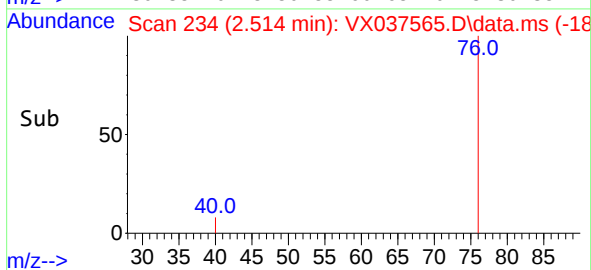
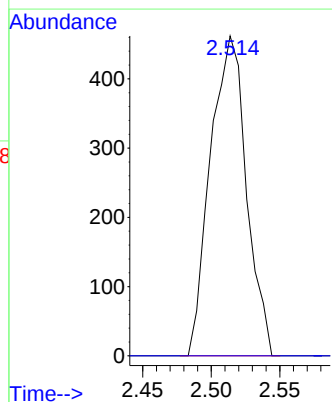
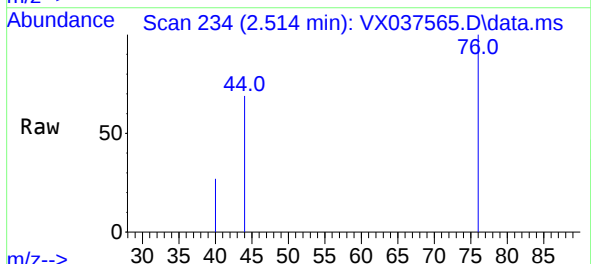
Instrument : MSVOA_X
ClientSampleId : OWBR-06B-76.5-090123-3V

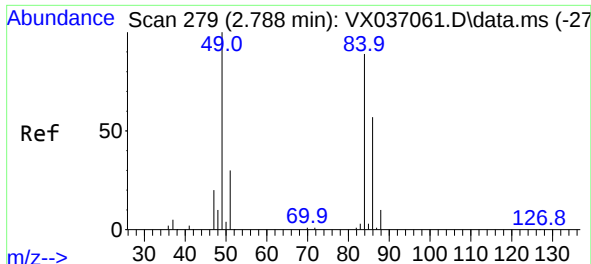
Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
58 38.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 76 Resp: 846
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



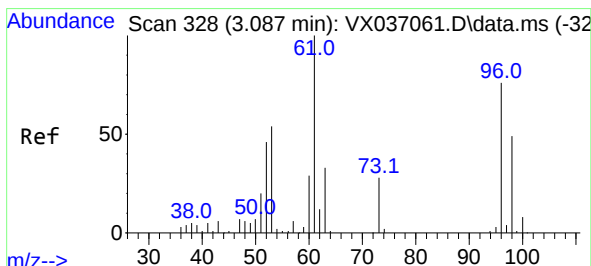
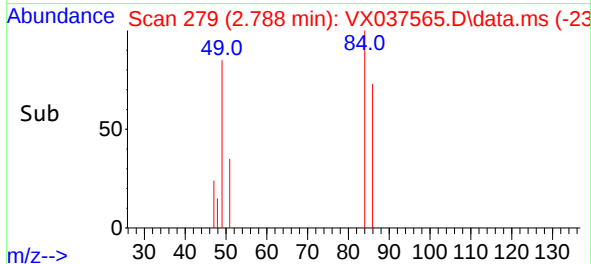
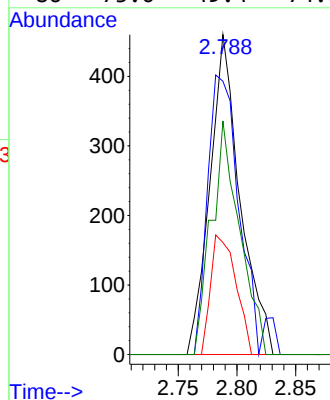
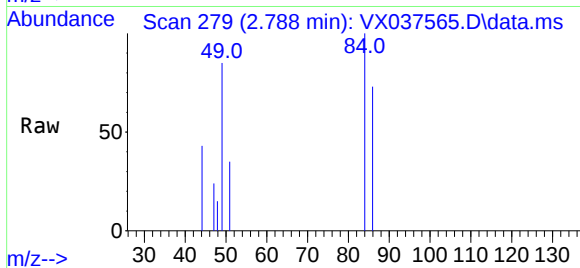


#20
Methylene Chloride
Concen: 0.509 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :
OWBR-06B-76.5-090123-3V

Tgt Ion: 84 Resp: 826

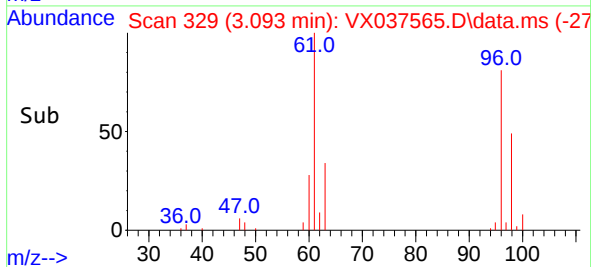
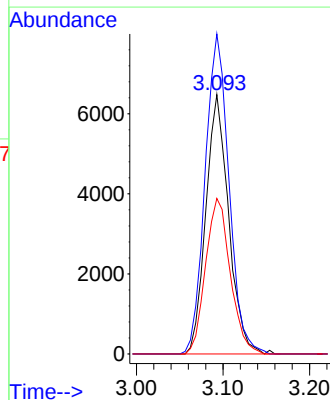
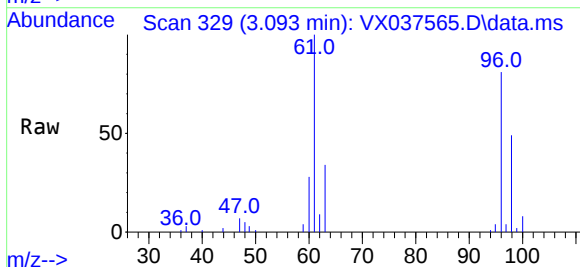
Ion	Ratio	Lower	Upper
84	100		
49	85.4	103.6	155.4#
51	35.0	33.8	50.6
86	73.0	49.4	74.0

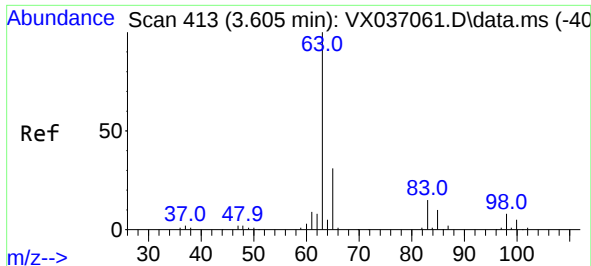


#21
trans-1,2-Dichloroethene
Concen: 7.889 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 96 Resp: 11878

Ion	Ratio	Lower	Upper
96	100		
61	123.4	119.2	178.8
98	59.9	48.7	73.1

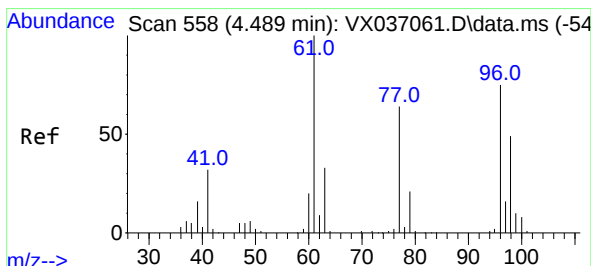
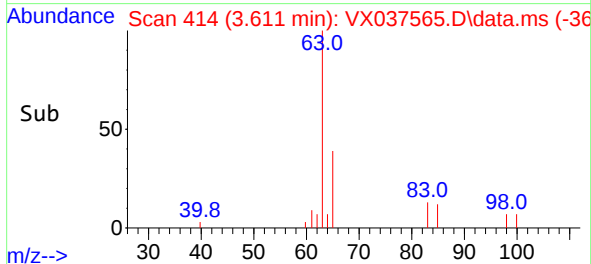
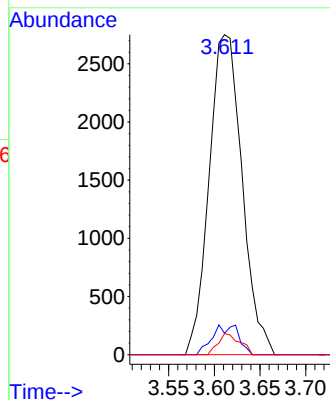
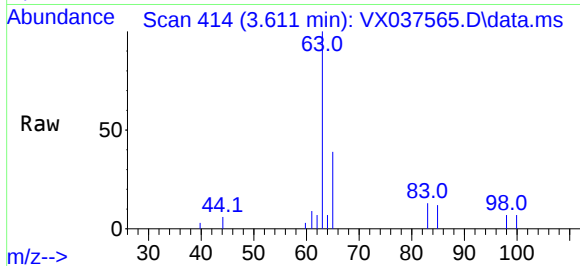




#24
1,1-Dichloroethane
Concen: 2.611 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

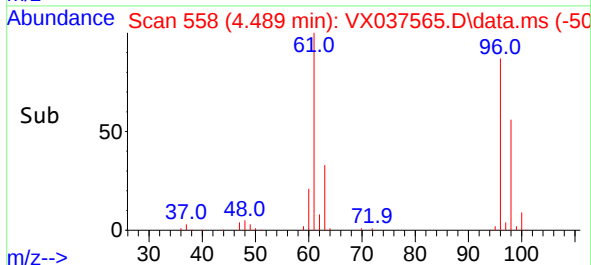
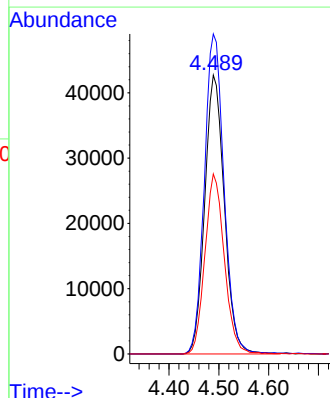
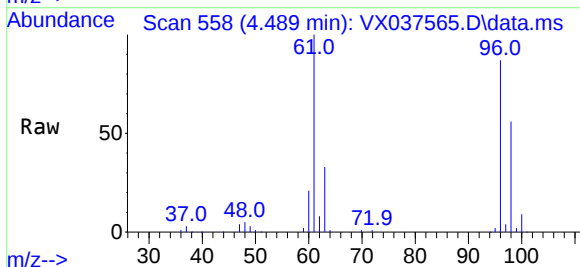
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06B-76.5-090123-3V

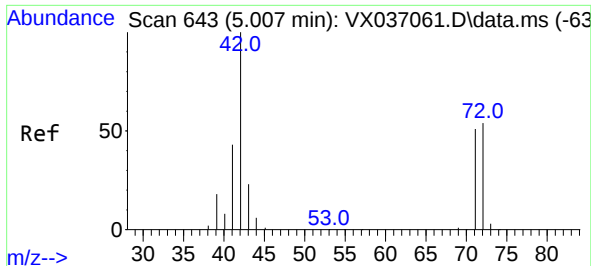
Tgt Ion: 63 Resp: 6888
Ion Ratio Lower Upper
63 100
98 6.7 3.3 9.8
100 6.6 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 65.609 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 96 Resp: 116464
Ion Ratio Lower Upper
96 100
61 115.1 0.0 312.2
98 64.1 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.307 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06B-76.5-090123-3V

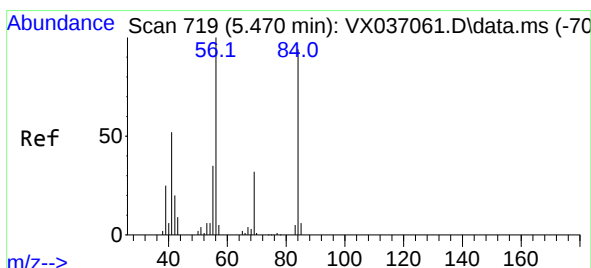
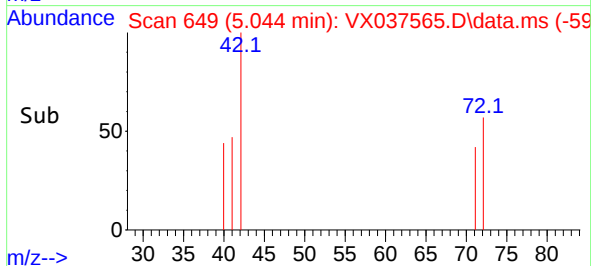
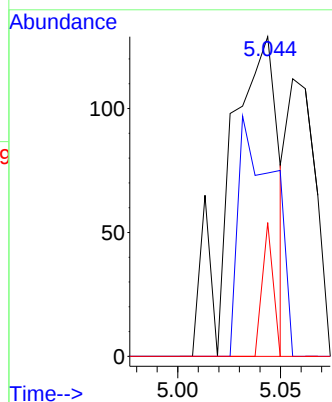
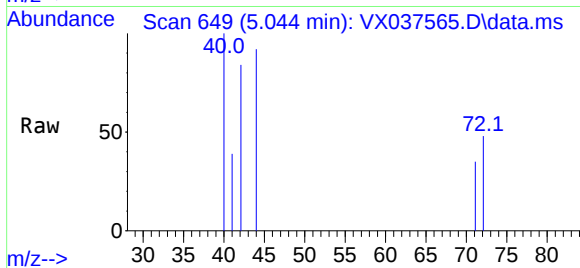
Tgt Ion: 42 Resp: 214

Ion Ratio Lower Upper

42 100

72 54.7 34.2 51.4#

71 9.3 32.2 48.2#



#31

Cyclohexane

Concen: 1.081 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

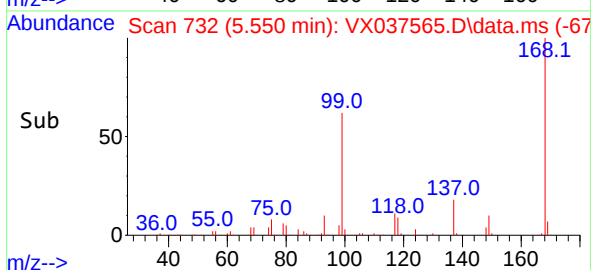
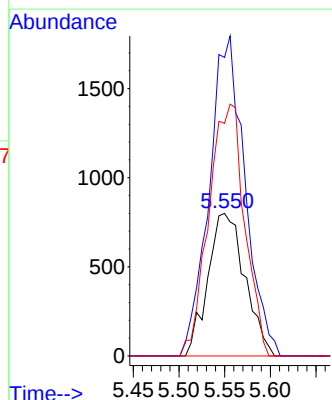
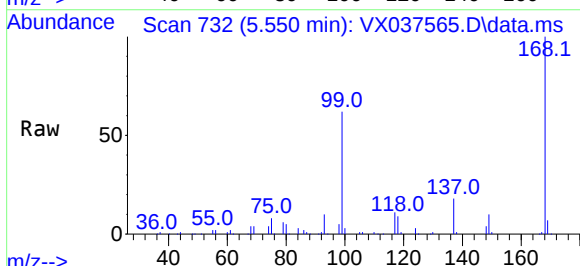
Tgt Ion: 56 Resp: 2255

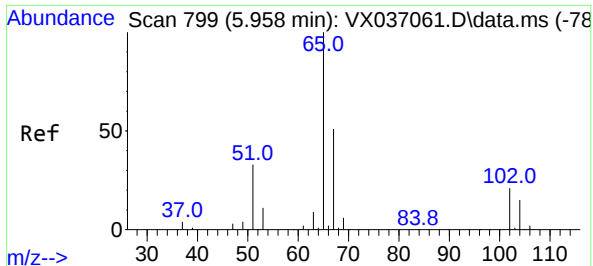
Ion Ratio Lower Upper

56 100

69 209.4 23.4 35.2#

84 163.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.272 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

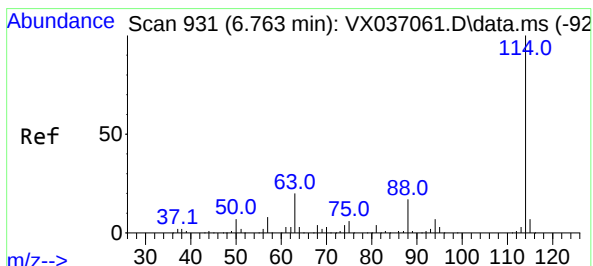
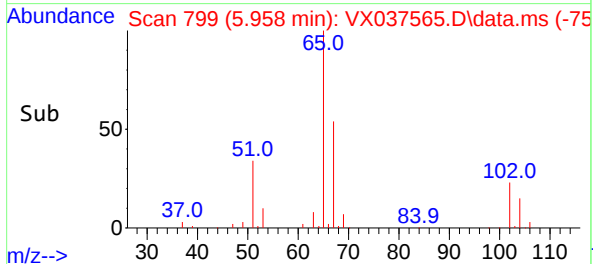
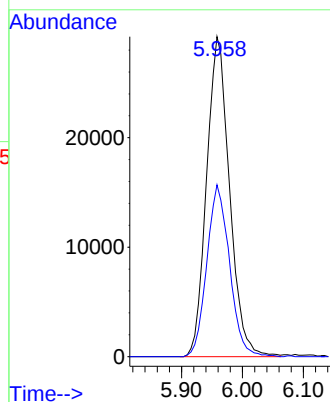
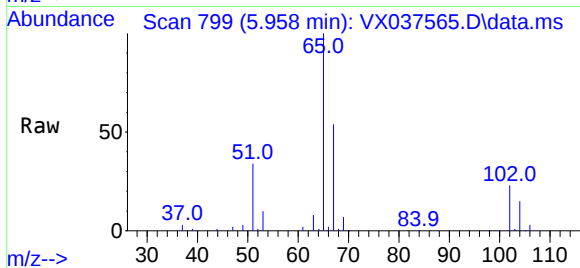
OWBR-06B-76.5-090123-3V

Tgt Ion: 65 Resp: 76562

Ion Ratio Lower Upper

65 100

67 53.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

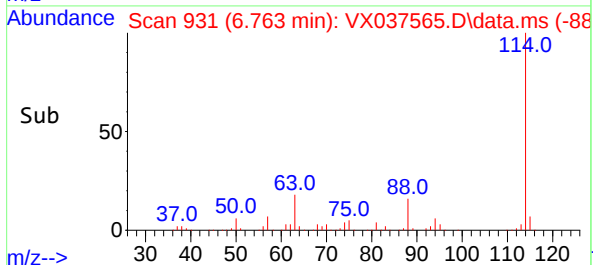
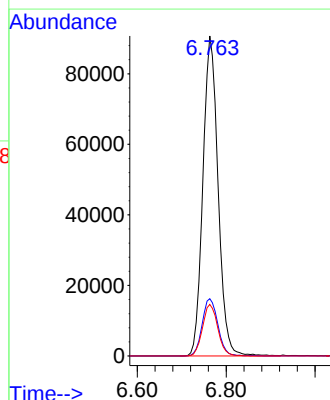
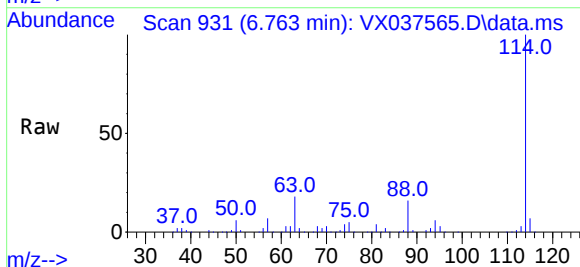
Tgt Ion: 114 Resp: 215977

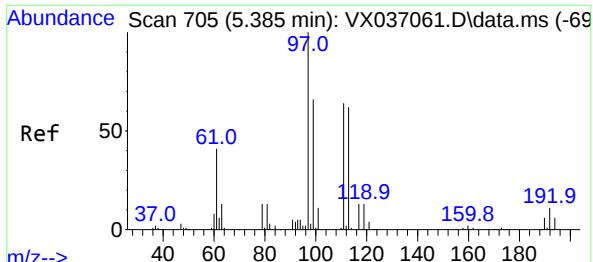
Ion Ratio Lower Upper

114 100

63 17.9 0.0 45.0

88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.904 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06B-76.5-090123-3V

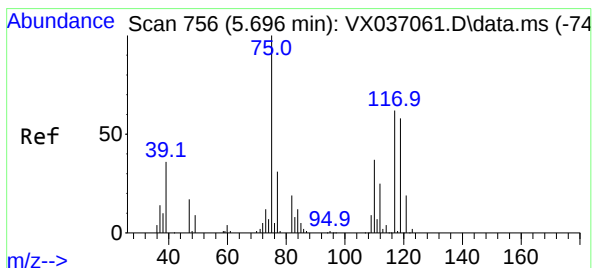
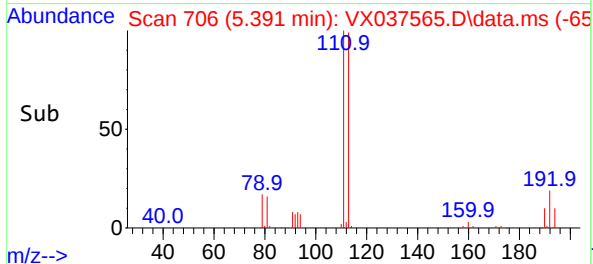
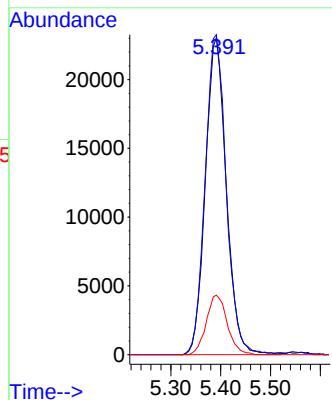
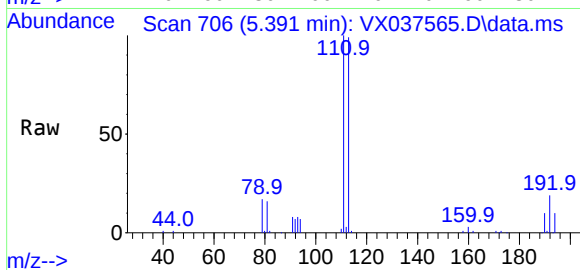
Tgt Ion:113 Resp: 67090

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

192 18.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

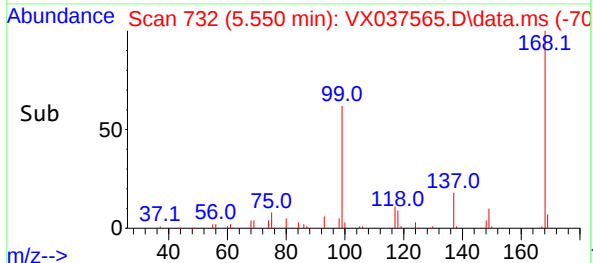
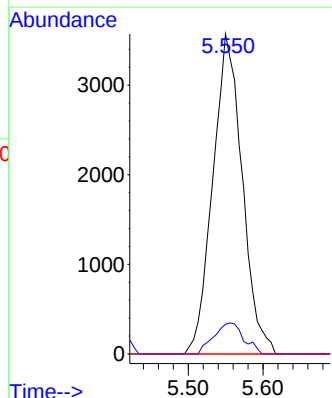
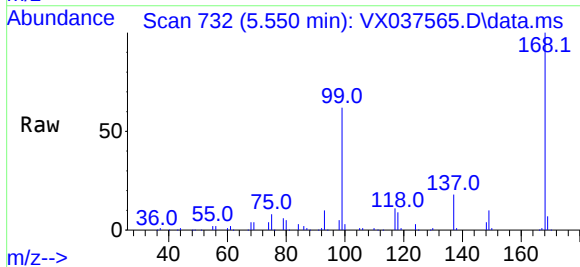
Tgt Ion: 75 Resp: 9753

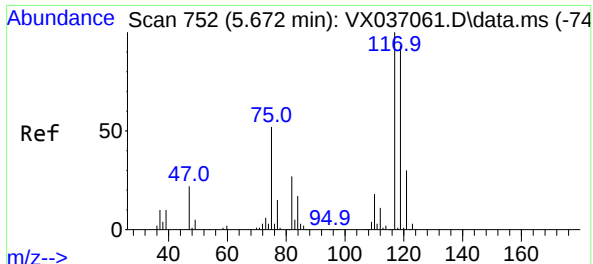
Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

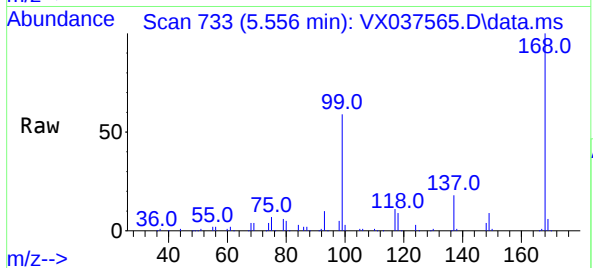
77 0.0 24.7 37.1#



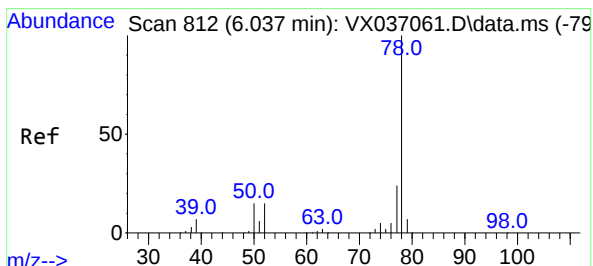
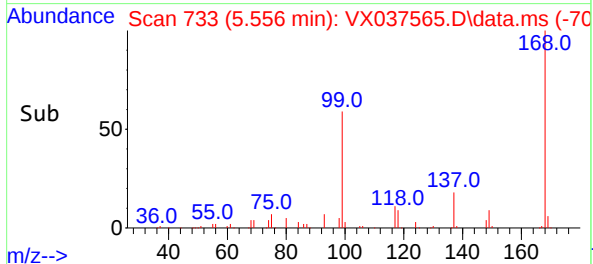
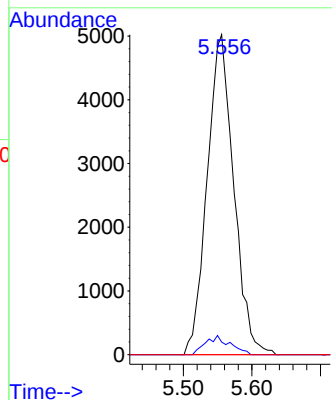


#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :
OWBR-06B-76.5-090123-3V

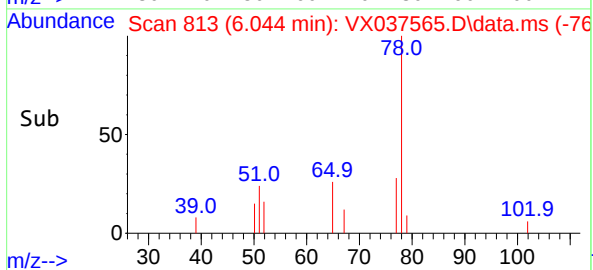
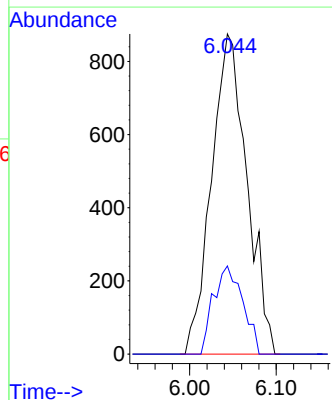
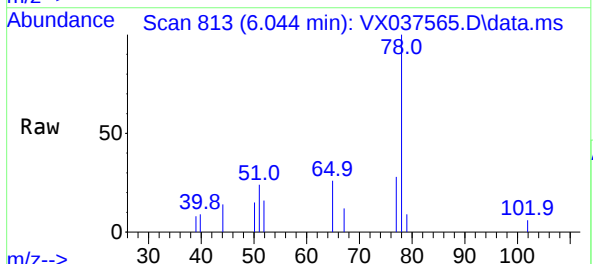


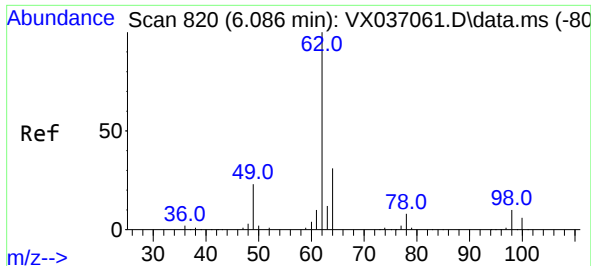
Tgt Ion:117 Resp: 13539
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.427 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 78 Resp: 2488
Ion Ratio Lower Upper
78 100
77 27.5 19.3 28.9





#42

1,2-Dichloroethane

Concen: 1.824 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

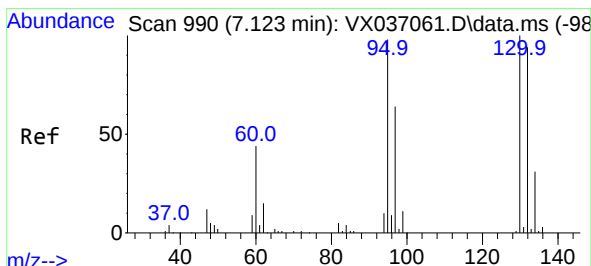
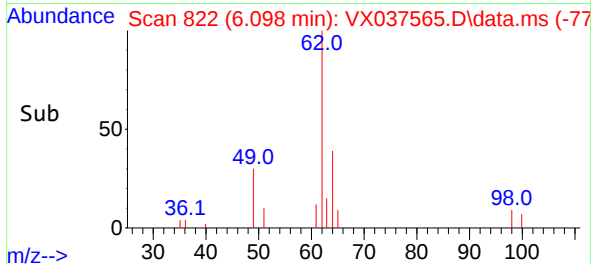
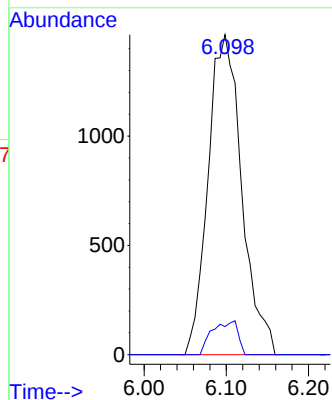
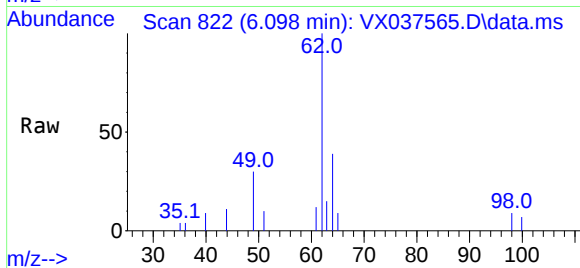
OWBR-06B-76.5-090123-3V

Tgt Ion: 62 Resp: 4168

Ion Ratio Lower Upper

62 100

98 8.0 0.0 16.0



#44

Trichloroethene

Concen: 13.751 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037565.D

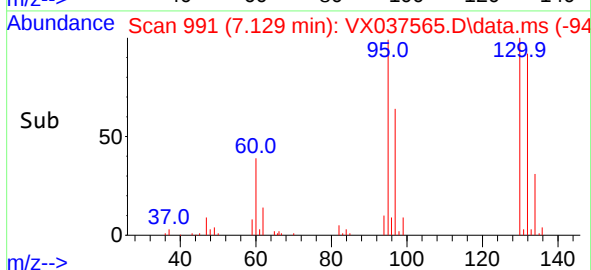
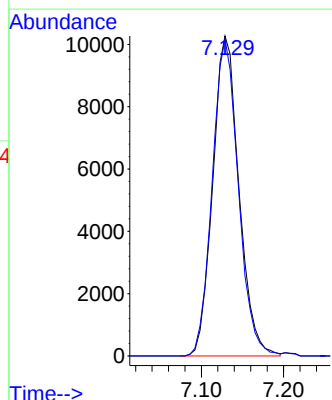
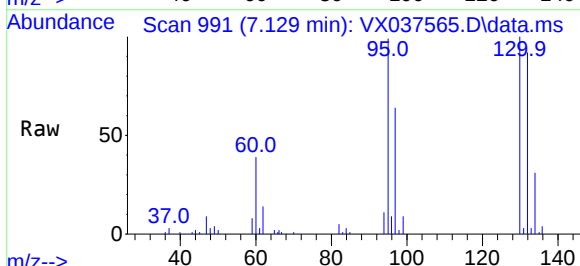
Acq: 06 Sep 2023 19:32

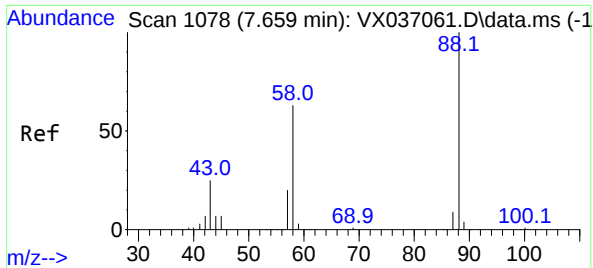
Tgt Ion:130 Resp: 22726

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.4





#49

1,4-Dioxane

Concen: 38.026 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX037565.D

Acq: 06 Sep 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06B-76.5-090123-3V

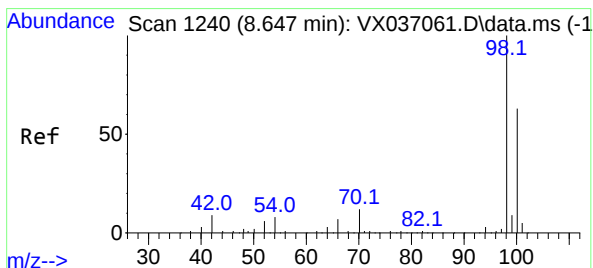
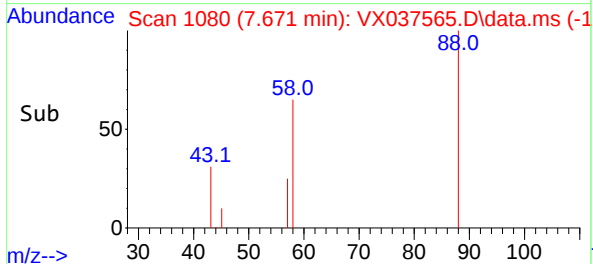
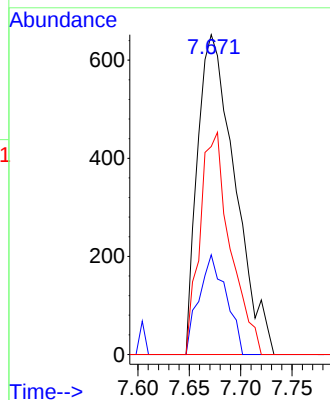
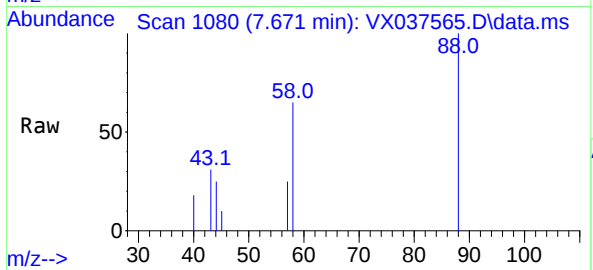
Tgt Ion: 88 Resp: 1646

Ion Ratio Lower Upper

88 100

43 22.7 0.0 0.0#

58 56.4 60.1 90.1#



#50

Toluene-d8

Concen: 48.807 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037565.D

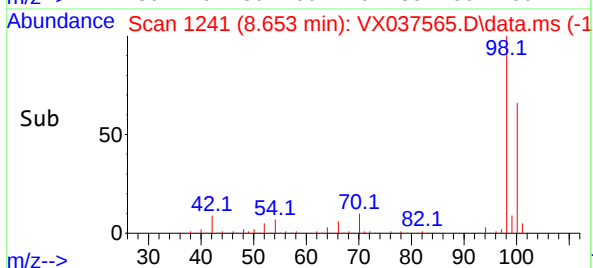
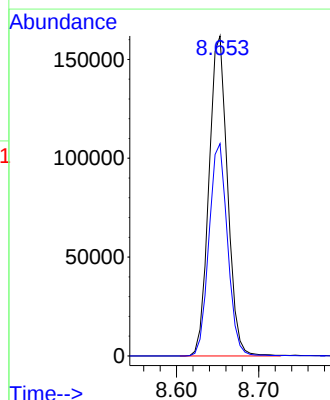
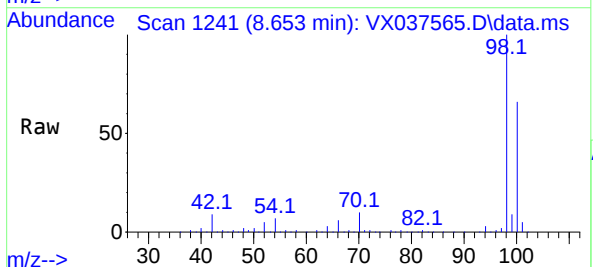
Acq: 06 Sep 2023 19:32

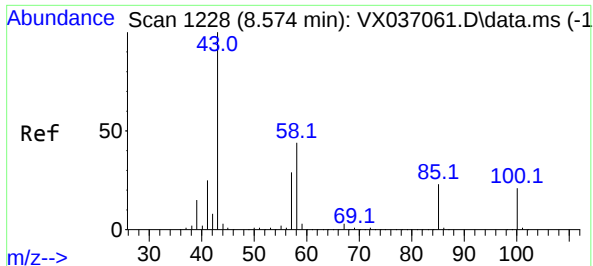
Tgt Ion: 98 Resp: 253235

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7

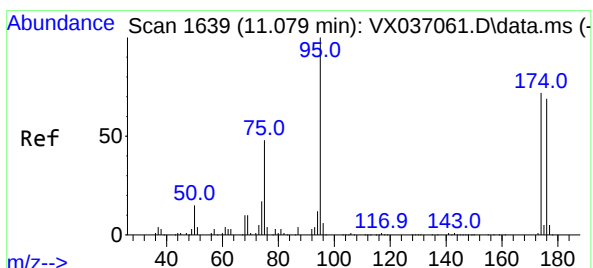
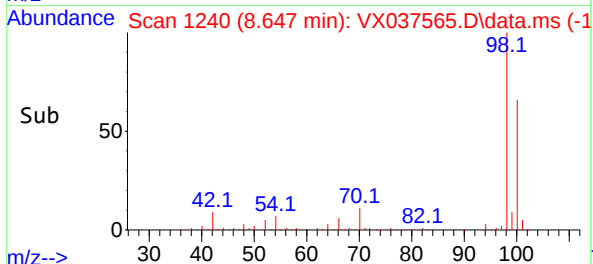
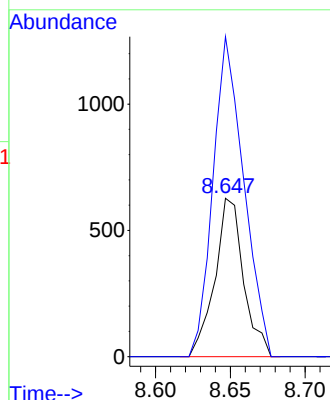
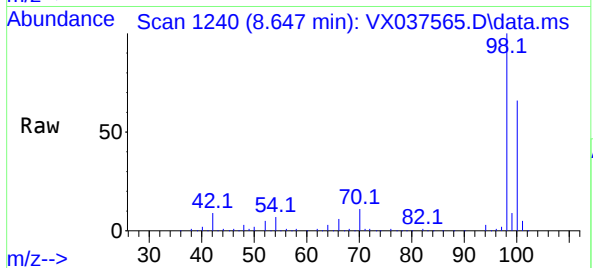




#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

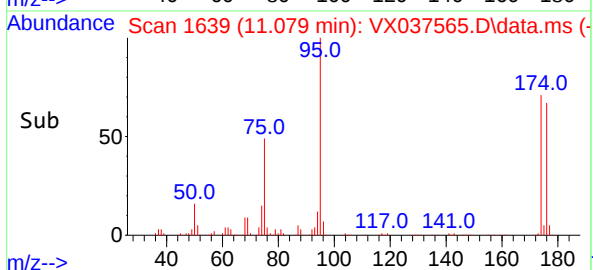
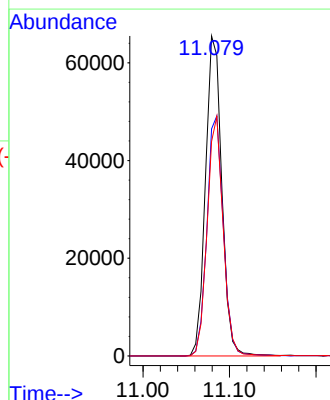
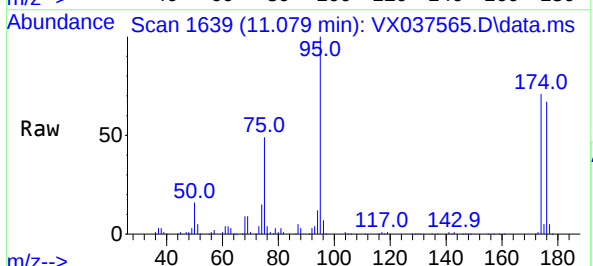
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06B-76.5-090123-3V

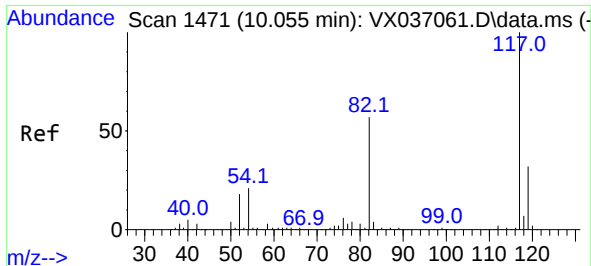
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 215.9 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 95 Resp: 85732
Ion Ratio Lower Upper
95 100
174 75.0 0.0 135.6
176 73.4 0.0 131.0

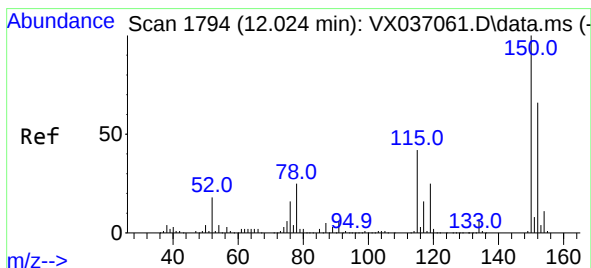
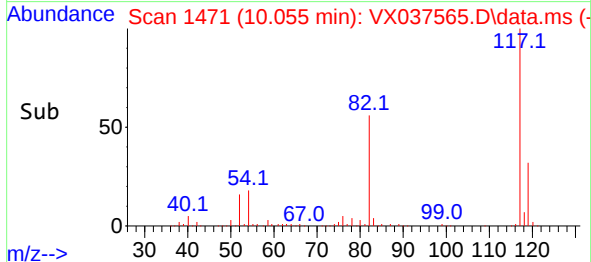
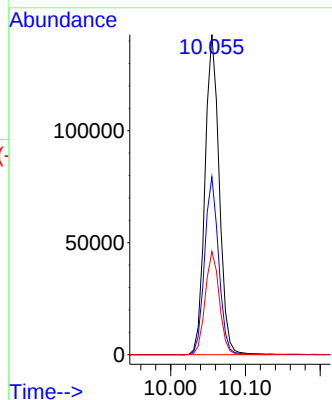
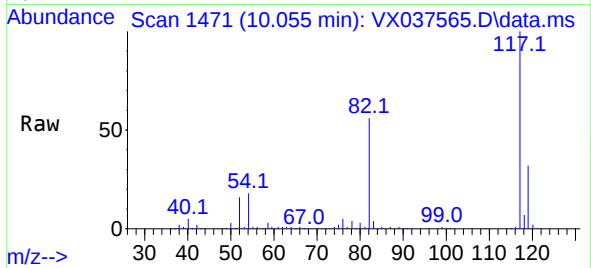




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

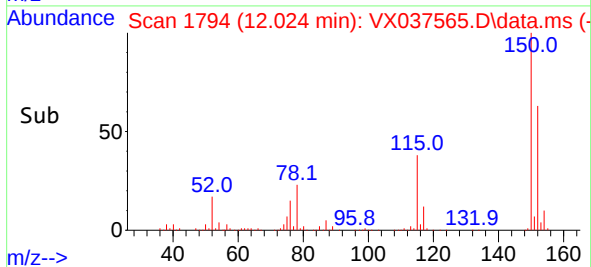
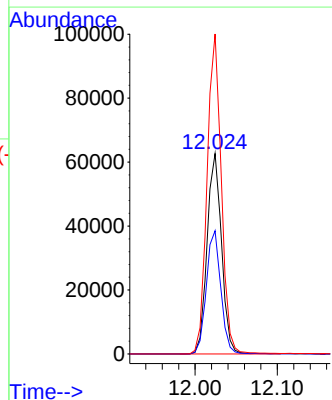
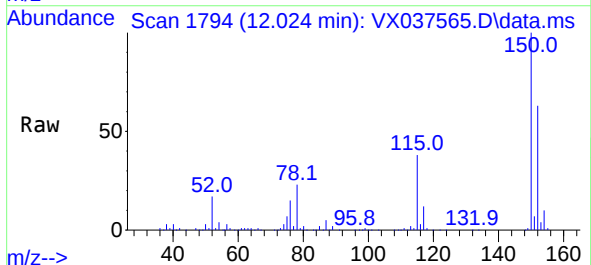
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06B-76.5-090123-3V

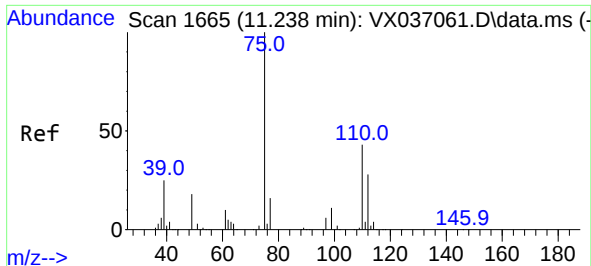
Tgt Ion:117 Resp: 189073
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion:152 Resp: 76552
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 157.3 0.0 345.0

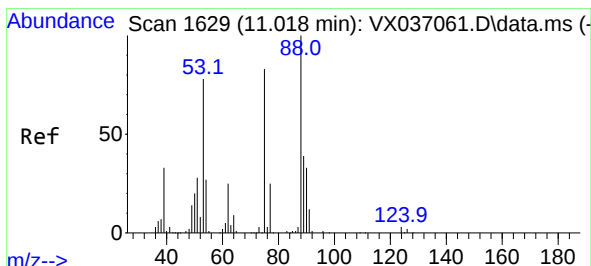
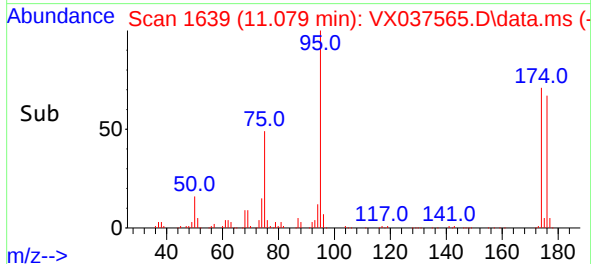
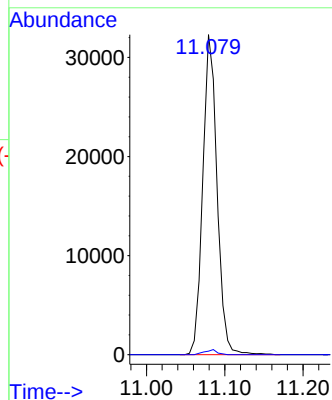
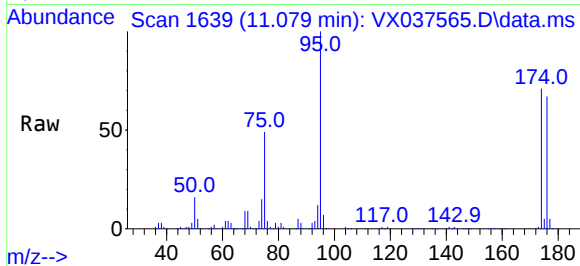




#76
1,2,3-Trichloropropane
Concen: 25.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Instrument : MSVOA_X
ClientSampleId : OWBR-06B-76.5-090123-3V

Tgt Ion: 75 Resp: 40890
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037565.D
Acq: 06 Sep 2023 19:32

Tgt Ion: 75 Resp: 40890
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

