

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
 Data File : VX037492.D
 Acq On : 02 Sep 2023 18:51
 Operator : JC/MD
 Sample : 04272-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-083123

Quant Time: Sep 04 04:32:06 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)

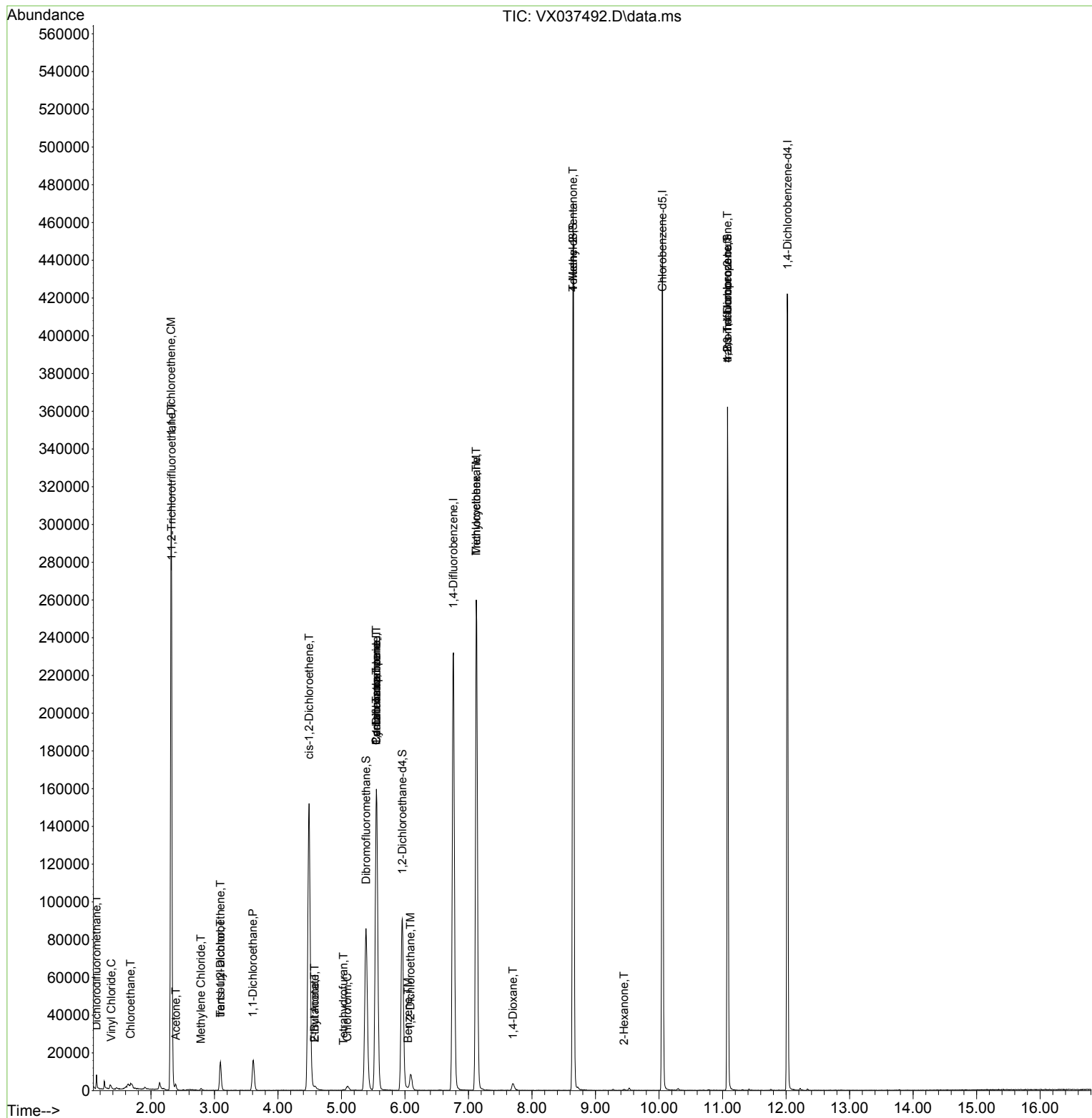
Internal Standards						
1) Pentafluorobenzene	5.550	168	151456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90478	41.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.880%		
35) Dibromofluoromethane	5.385	113	76612	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	8.647	98	294807	48.747	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	101022	42.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	444	0.252	ug/l	93
4) Vinyl Chloride	1.374	62	598	0.357	ug/l #	60
6) Chloroethane	1.678	64	203	0.206	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	830	0.518	ug/l #	77
11) Tert butyl alcohol	3.093	59	196	0.383	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	109295	70.102	ug/l	83
16) Acetone	2.392	43	3150	3.688	ug/l	90
20) Methylene Chloride	2.788	84	559	0.293	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	6653	3.754	ug/l #	81
24) 1,1-Dichloroethane	3.605	63	18387	5.921	ug/l	97
25) 2-Butanone	4.574	43	3468	2.696	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	102535	49.074	ug/l	78
29) Tetrahydrofuran	5.032	42	418	0.510	ug/l #	56
30) Chloroform	5.093	83	2977	0.854	ug/l #	79
31) Cyclohexane	5.550	56	2915	1.187	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11518	4.863	ug/l #	51
37) Ethyl Acetate	4.574	43	3468	1.433	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15526	6.034	ug/l #	14
39) Methylcyclohexane	7.123	83	1189	0.478	ug/l #	1
40) Benzene	6.050	78	1470	0.216	ug/l	97
42) 1,2-Dichloroethane	6.086	62	10380	3.896	ug/l	93
44) Trichloroethene	7.123	130	104864	54.437	ug/l	97
49) 1,4-Dioxane	7.702	88	4196	83.164	ug/l #	86
51) 4-Methyl-2-Pentanone	8.647	43	1005	0.431	ug/l #	1
59) 2-Hexanone	9.451	43	529	0.297	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	50080	25.259	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50080	70.550	ug/l #	5

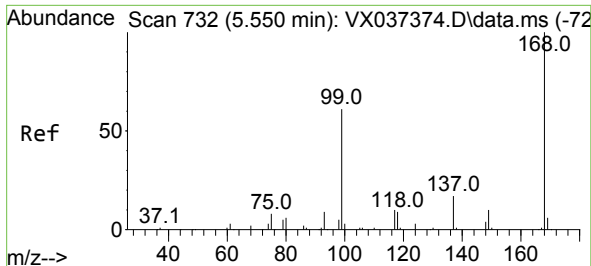
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
Data File : VX037492.D
Acq On : 02 Sep 2023 18:51
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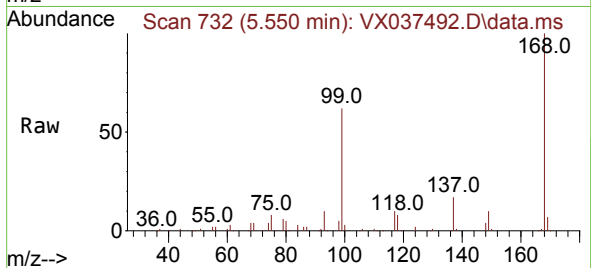
Quant Time: Sep 04 04:32:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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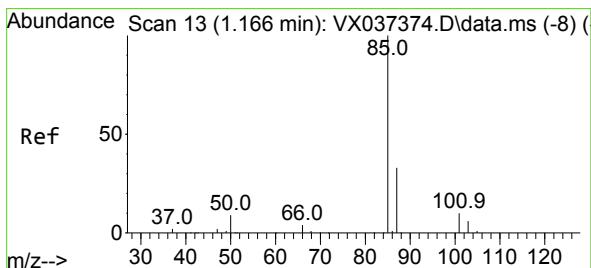
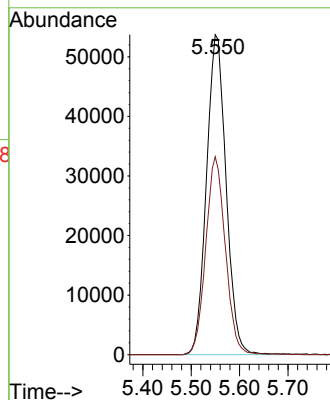
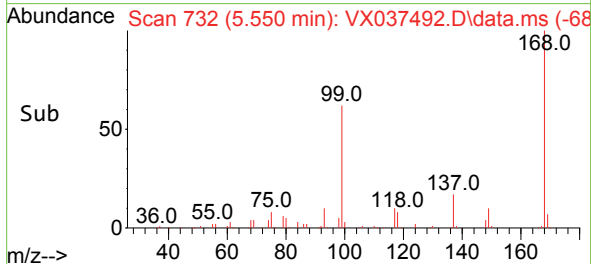


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

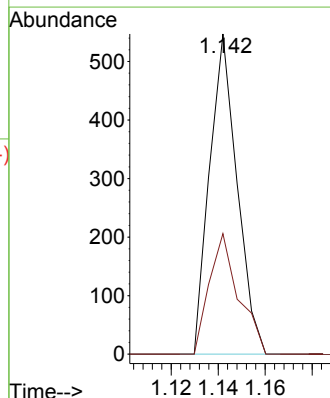
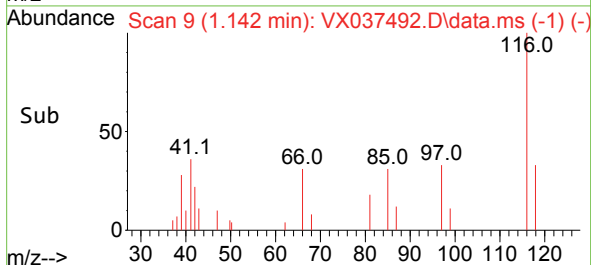
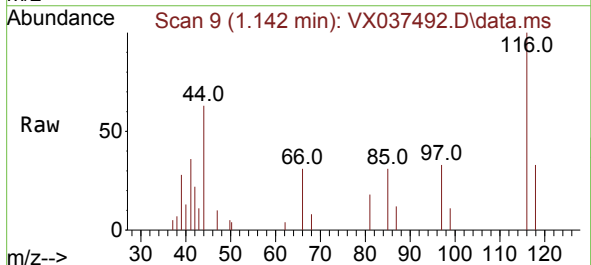


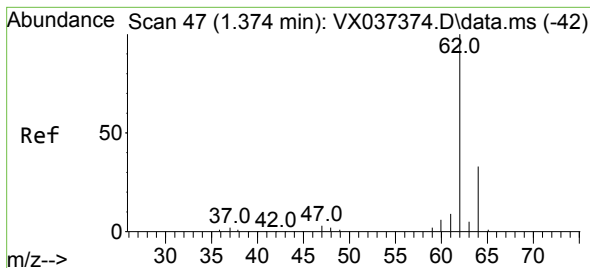
Tgt Ion:168 Resp: 151456
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.252 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 85 Resp: 444
Ion Ratio Lower Upper
85 100
87 37.7 16.7 50.1





#4

Vinyl Chloride

Concen: 0.357 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

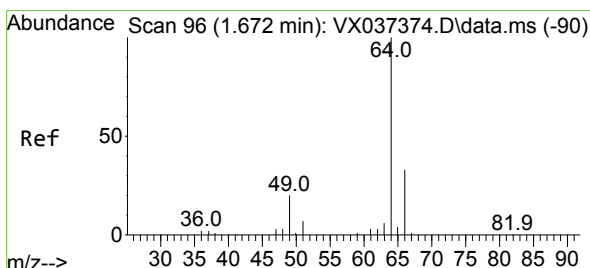
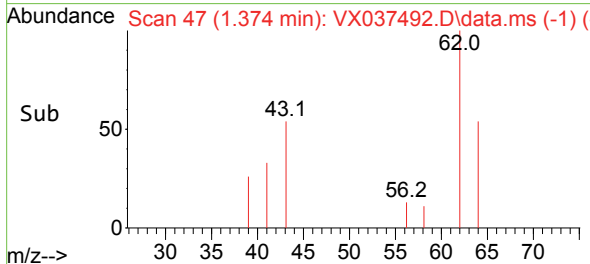
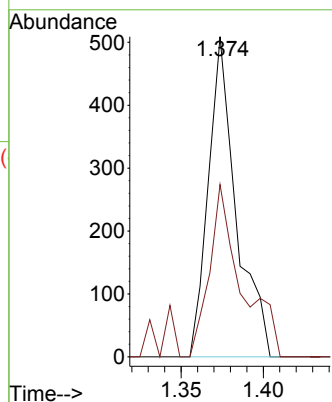
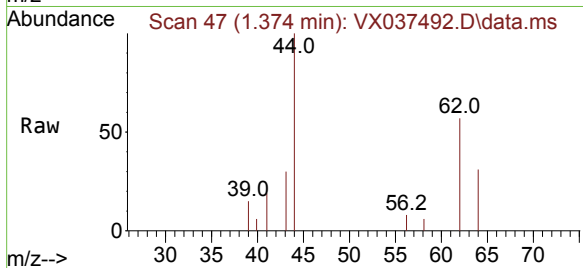
OW-07B-65-083123

Tgt Ion: 62 Resp: 598

Ion Ratio Lower Upper

62 100

64 53.8 25.4 38.0#



#6

Chloroethane

Concen: 0.206 ug/l

RT: 1.678 min Scan# 97

Delta R.T. 0.006 min

Lab File: VX037492.D

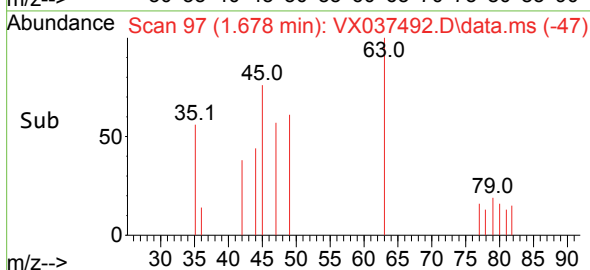
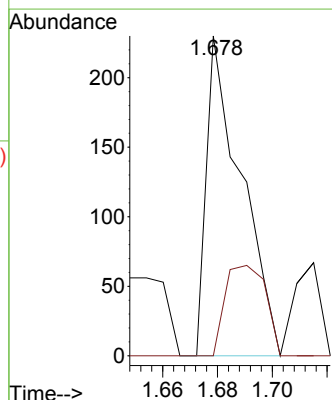
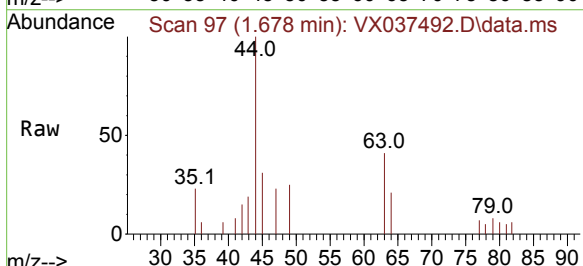
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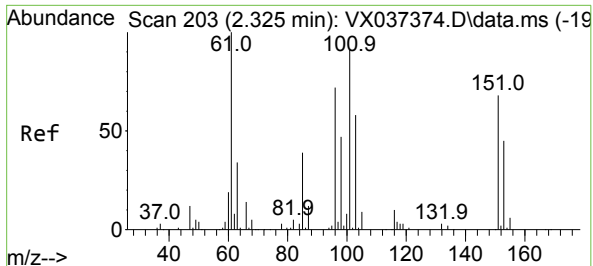
Tgt Ion: 64 Resp: 203

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

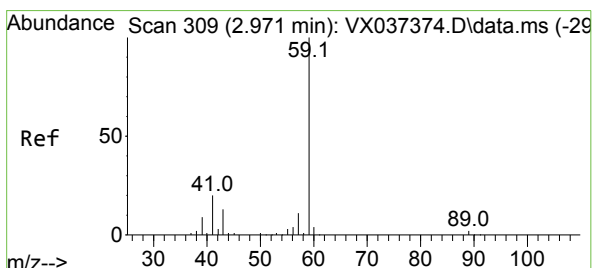
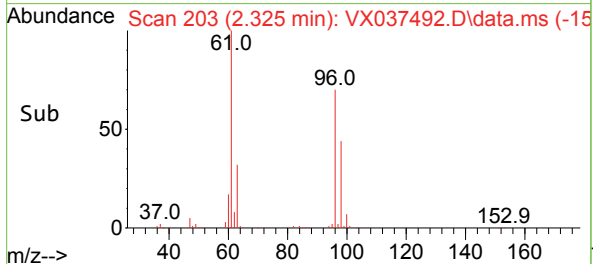
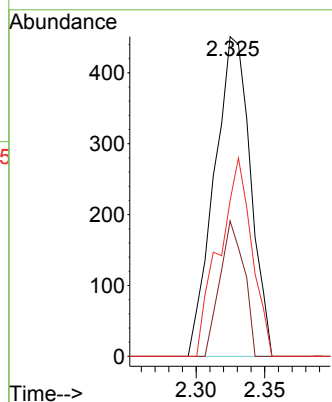
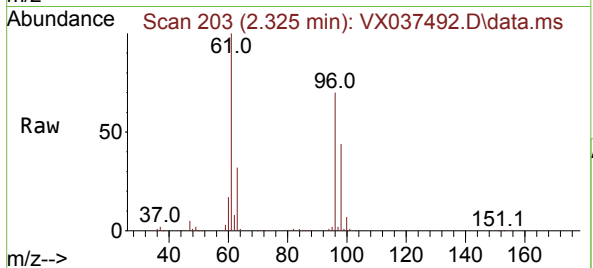




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.518 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

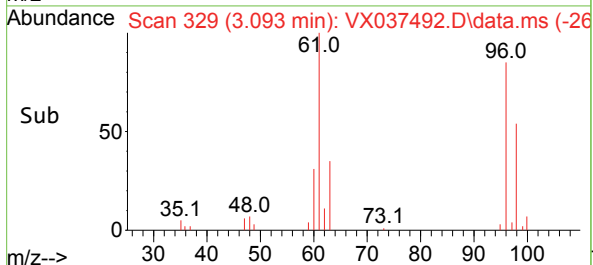
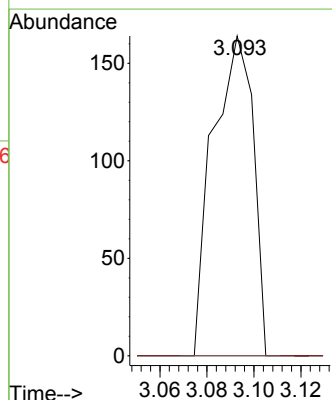
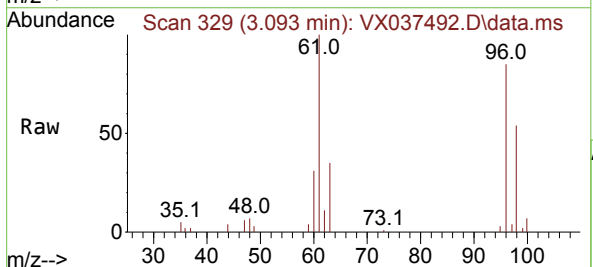
Instrument :
MSVOA_X
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OW-07B-65-083123

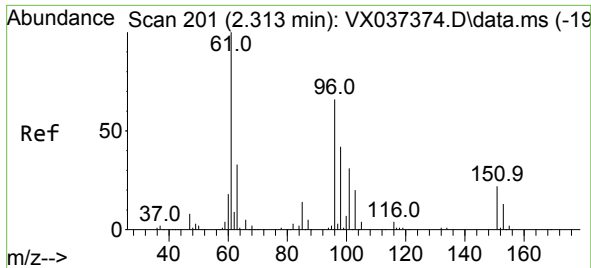
Tgt Ion: 101 Resp: 830
Ion Ratio Lower Upper
101 100
85 28.1 37.0 55.6#
151 55.9 58.6 87.8#



#11
Tert butyl alcohol
Concen: 0.383 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.116 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

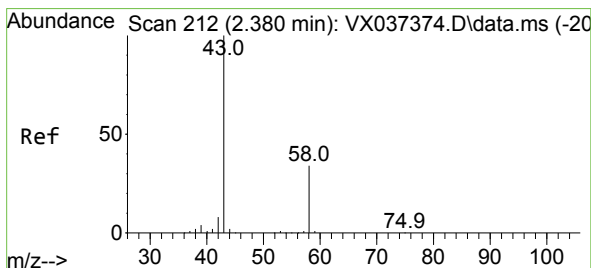
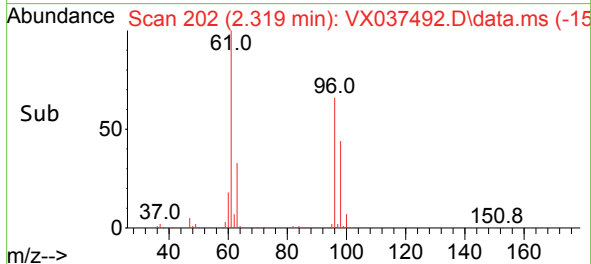
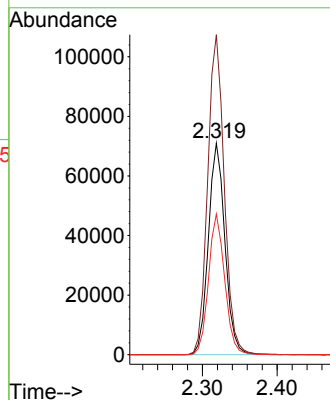
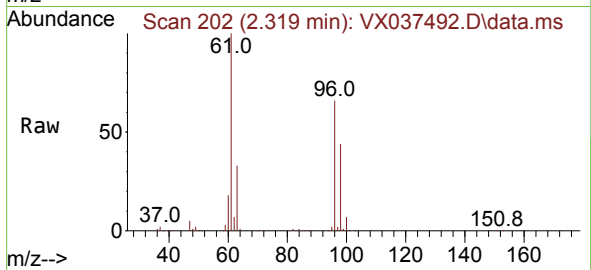




#12
1,1-Dichloroethene
Concen: 70.102 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

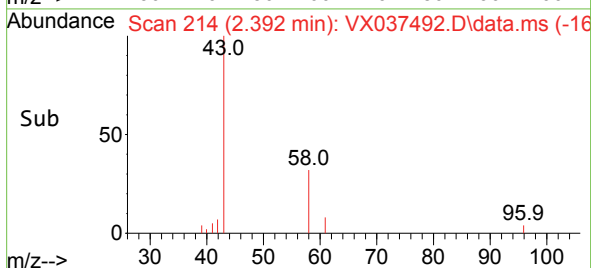
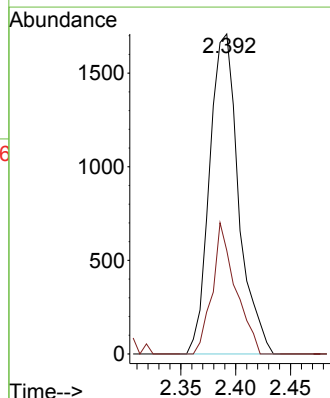
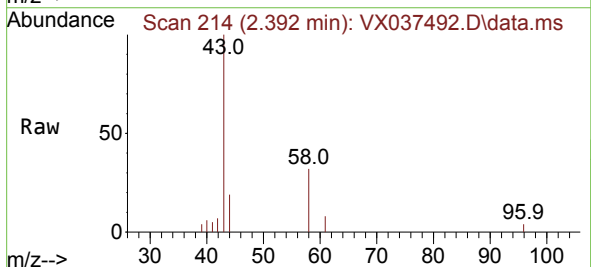
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

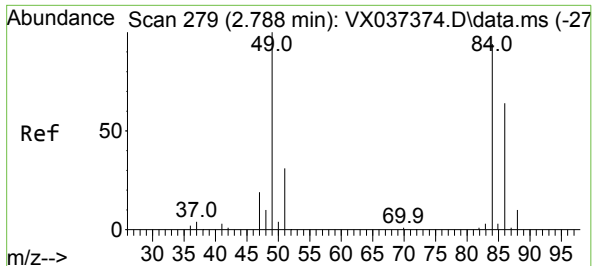
Tgt Ion: 96 Resp: 109295
Ion Ratio Lower Upper
96 100
61 151.3 144.6 216.8
98 66.5 50.4 75.6



#16
Acetone
Concen: 3.688 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 43 Resp: 3150
Ion Ratio Lower Upper
43 100
58 32.4 21.9 32.9





#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037492.D

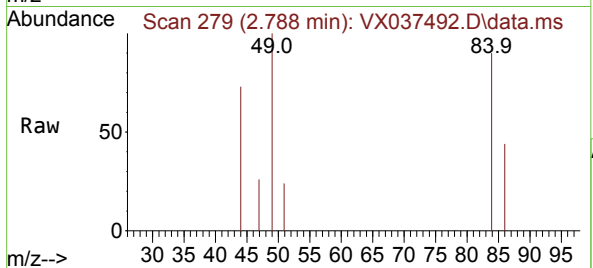
Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083123



Tgt Ion: 84 Resp: 559

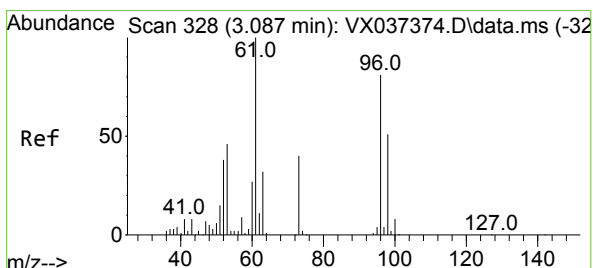
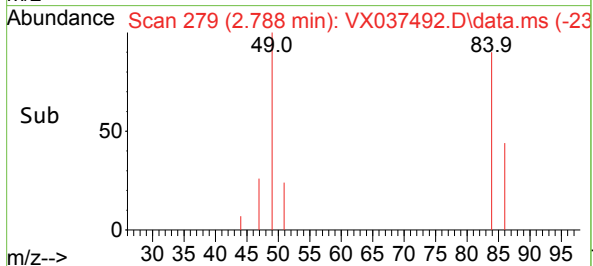
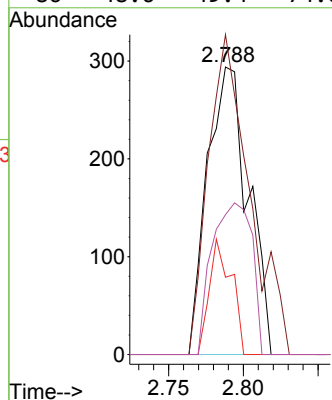
Ion Ratio Lower Upper

84 100

49 111.2 103.6 155.4

51 26.9 33.8 50.6#

86 48.6 49.4 74.0#



#21

trans-1,2-Dichloroethene

Concen: 3.754 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.006 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

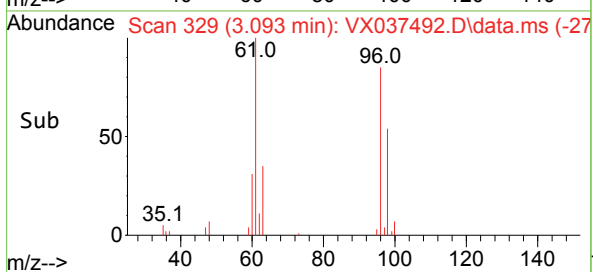
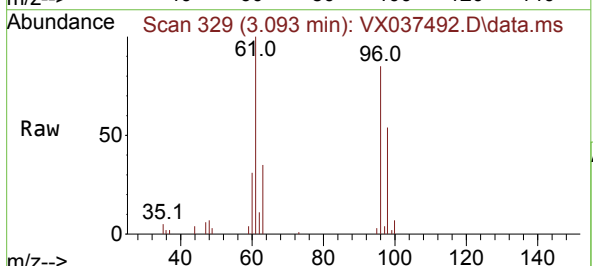
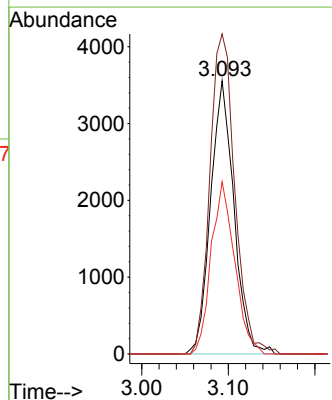
Tgt Ion: 96 Resp: 6653

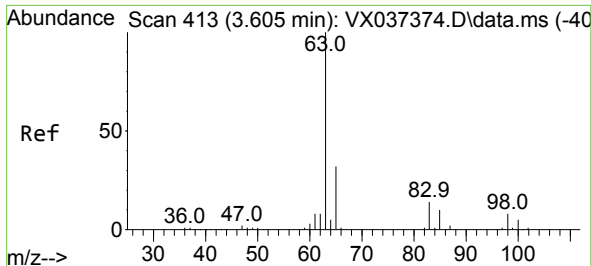
Ion Ratio Lower Upper

96 100

61 117.2 119.2 178.8#

98 63.1 48.7 73.1

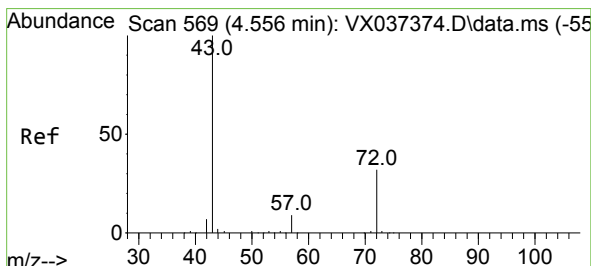
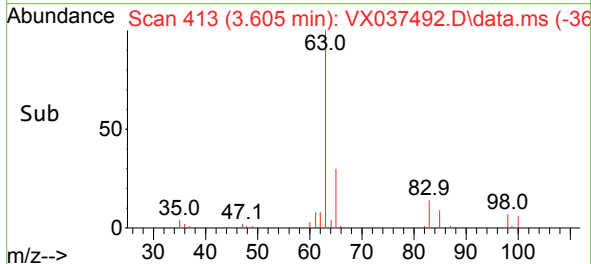
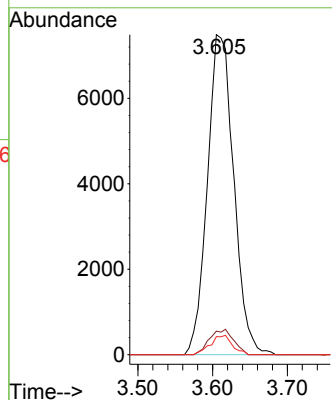
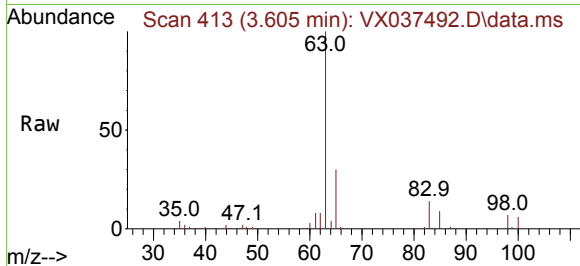




#24
 1,1-Dichloroethane
 Concen: 5.921 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX037492.D
 Acq: 02 Sep 2023 18:51

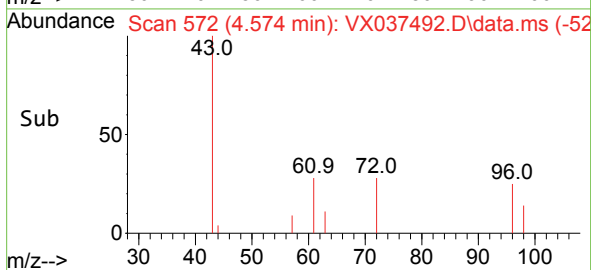
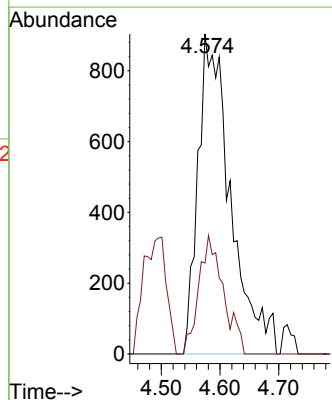
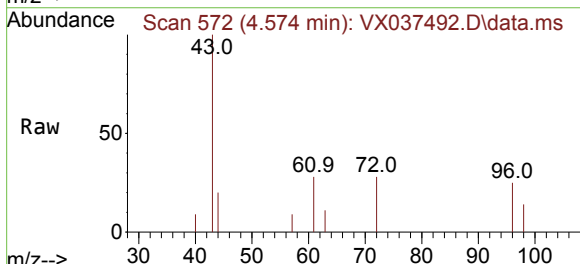
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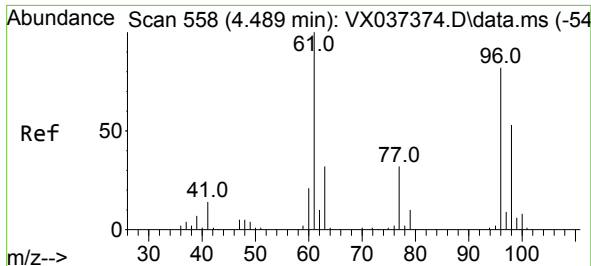
Tgt Ion:	63	Resp:	18387
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.3	9.8
100	5.6	2.1	6.5



#25
 2-Butanone
 Concen: 2.696 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX037492.D
 Acq: 02 Sep 2023 18:51

Tgt Ion:	43	Resp:	3468
Ion Ratio	Lower	Upper	
43	100		
72	28.4	19.4	29.2





#27

cis-1,2-Dichloroethene

Concen: 49.074 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083123

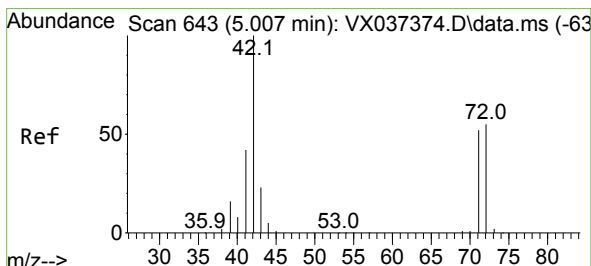
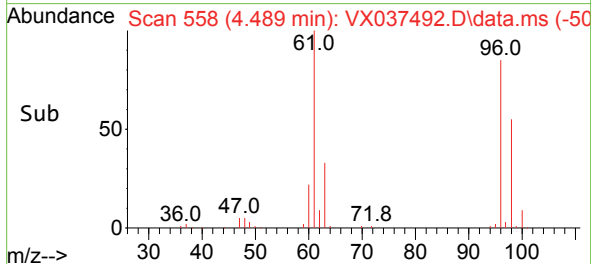
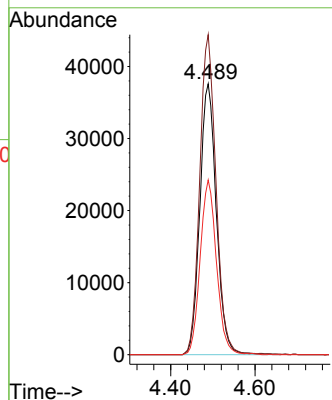
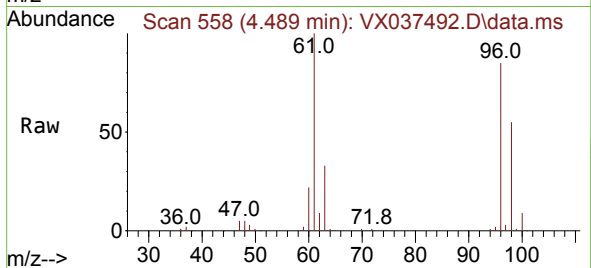
Tgt Ion: 96 Resp: 102535

Ion Ratio Lower Upper

96 100

61 116.3 0.0 312.2

98 63.8 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.510 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

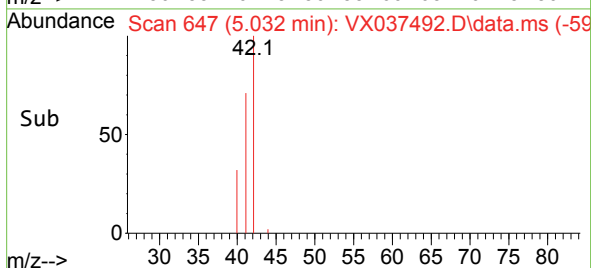
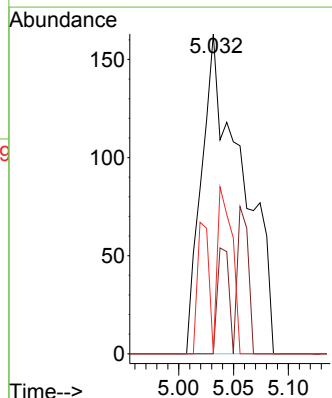
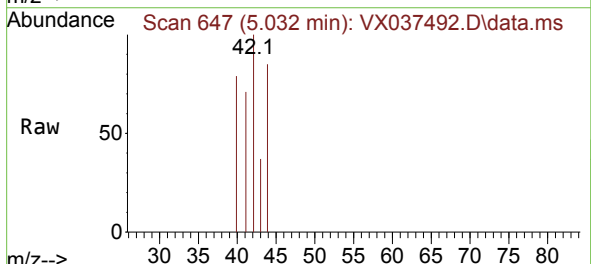
Tgt Ion: 42 Resp: 418

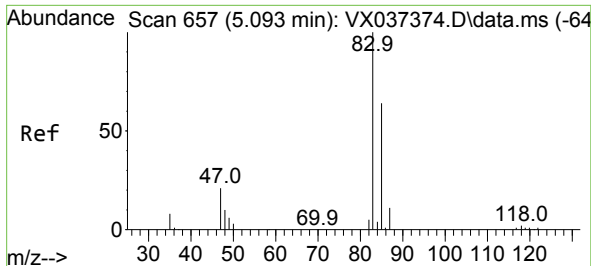
Ion Ratio Lower Upper

42 100

72 9.3 34.2 51.4#

71 18.9 32.2 48.2#





#30

Chloroform

Concen: 0.854 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

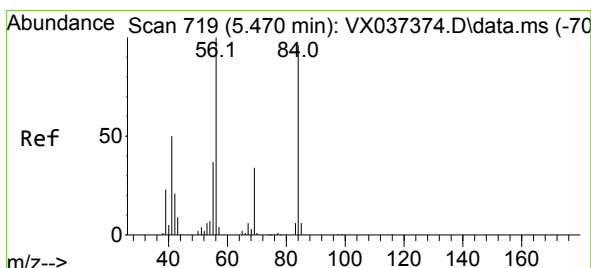
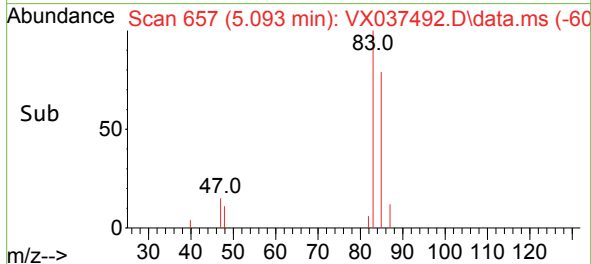
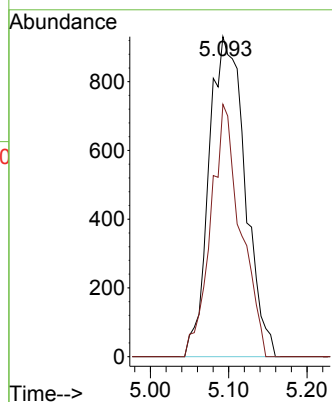
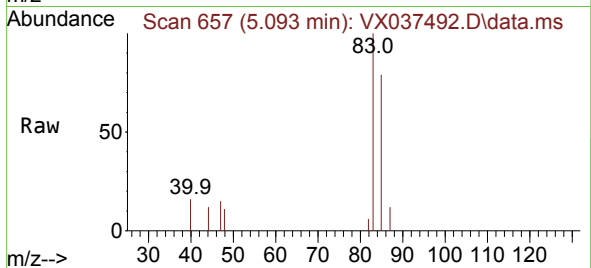
OW-07B-65-083123

Tgt Ion: 83 Resp: 2977

Ion Ratio Lower Upper

83 100

85 78.8 50.3 75.5#



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

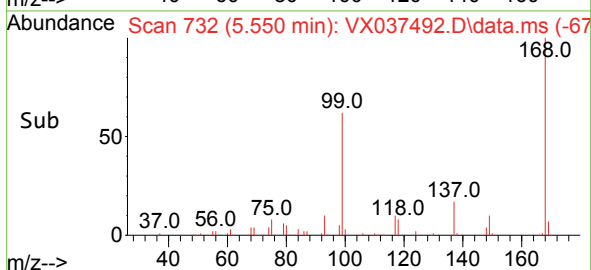
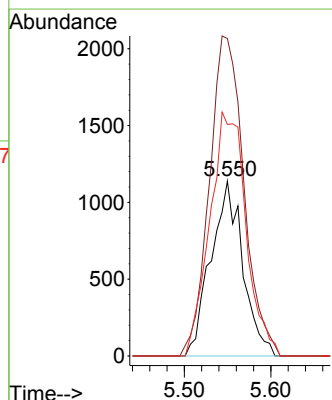
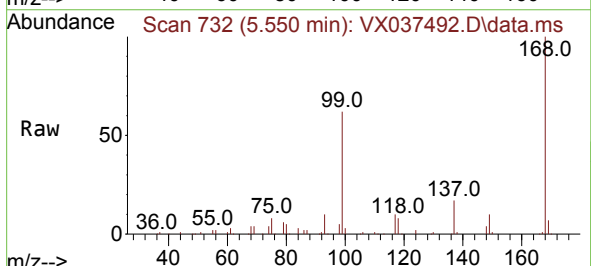
Tgt Ion: 56 Resp: 2915

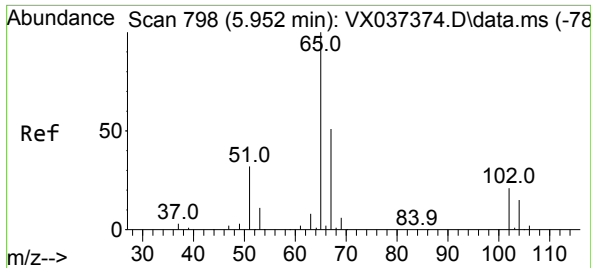
Ion Ratio Lower Upper

56 100

69 181.4 23.4 35.2#

84 132.3 65.9 98.9#

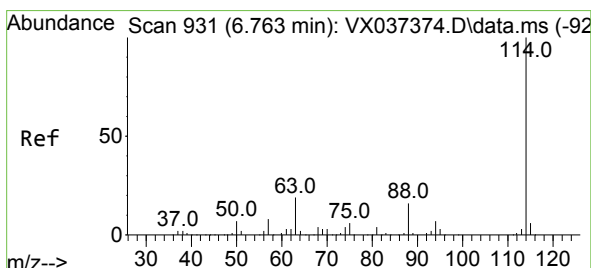
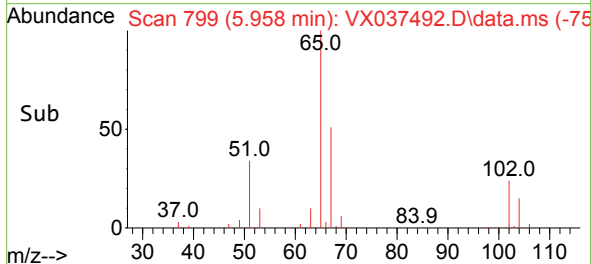
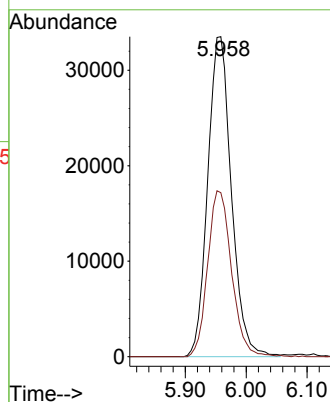
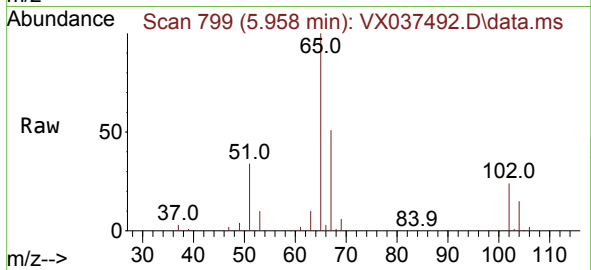




#33
1,2-Dichloroethane-d4
Concen: 41.437 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

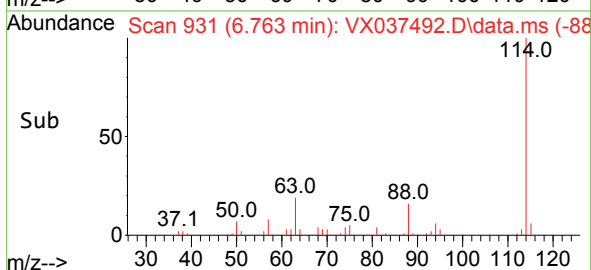
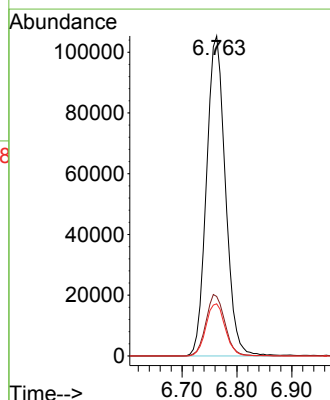
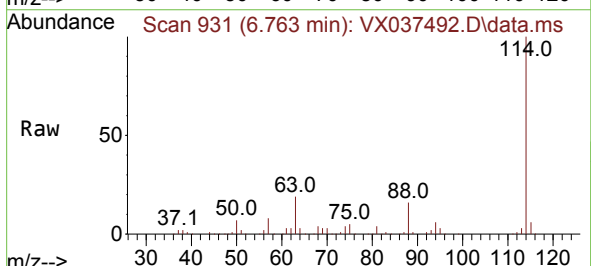
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

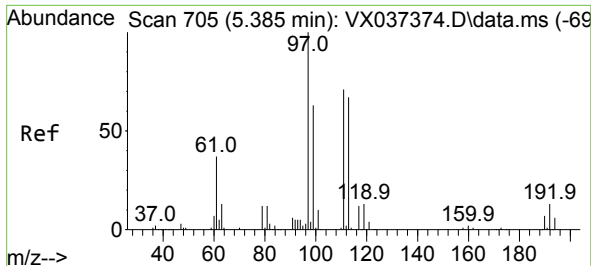
Tgt Ion: 65 Resp: 90478
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

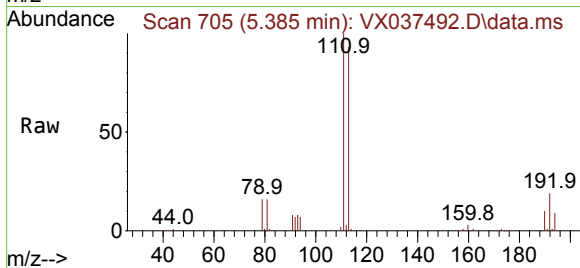
Tgt Ion: 114 Resp: 251745
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 16.3 0.0 36.6



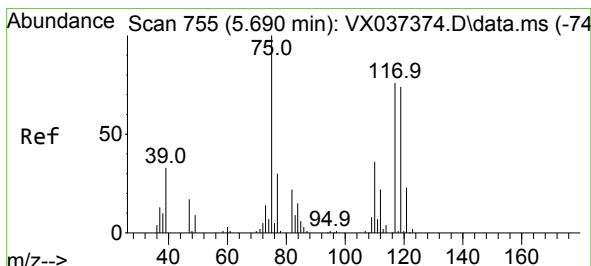
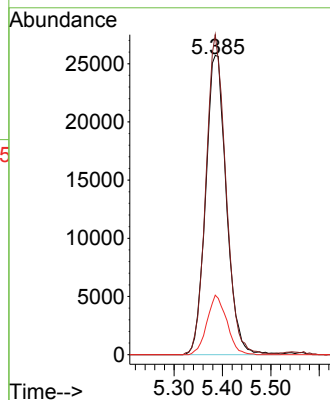
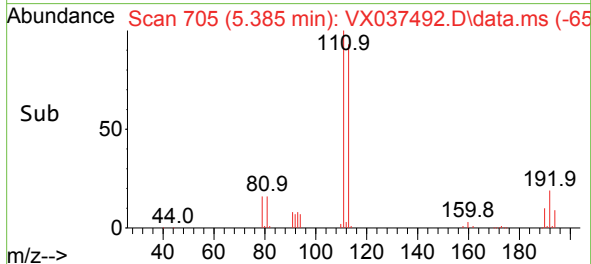


#35
Dibromofluoromethane
Concen: 45.951 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

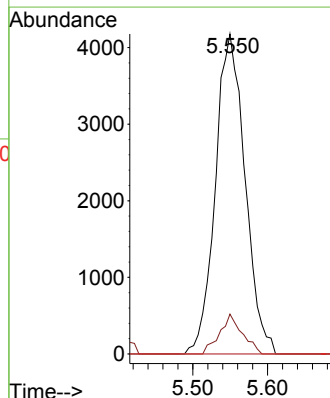
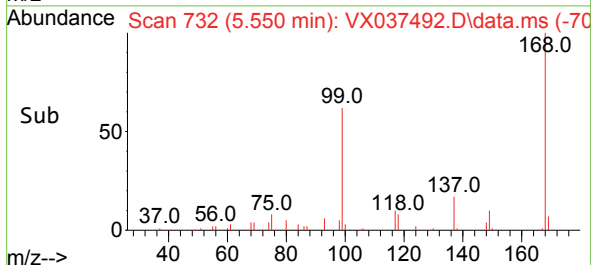
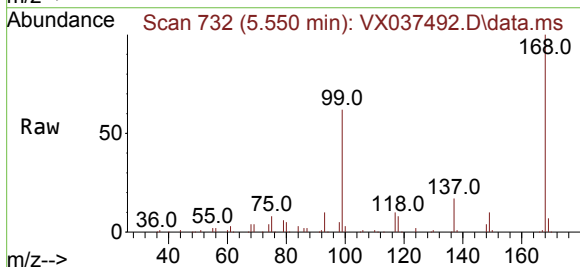


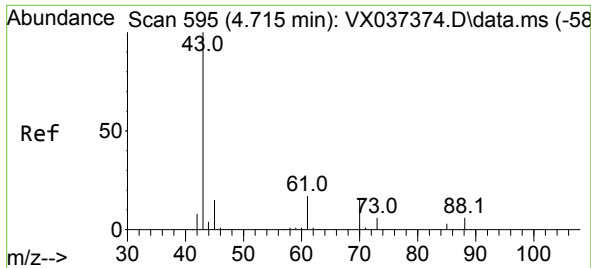
Tgt Ion:113 Resp: 76612
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.863 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 75 Resp: 11518
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.433 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083123

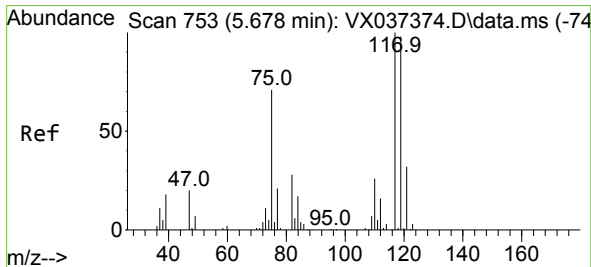
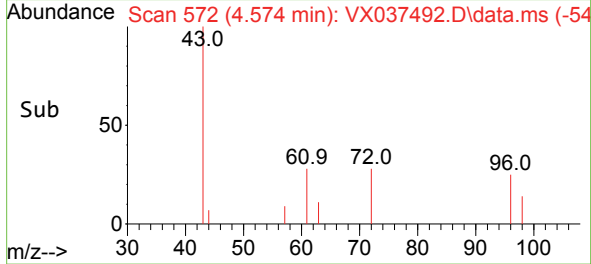
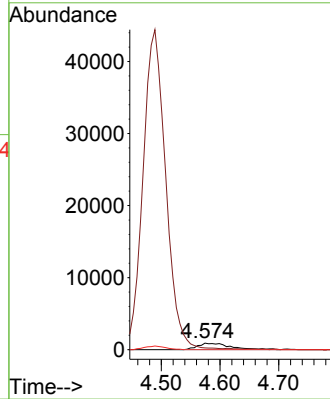
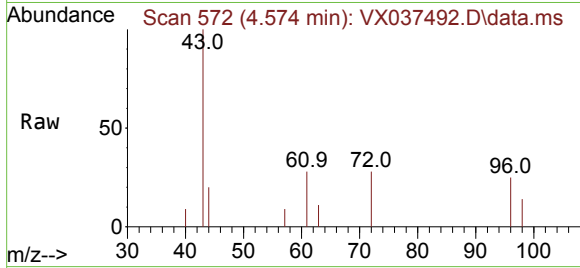
Tgt Ion: 43 Resp: 3468

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

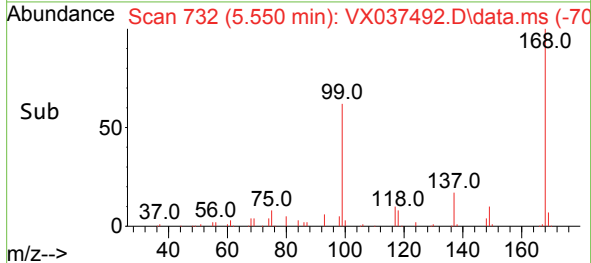
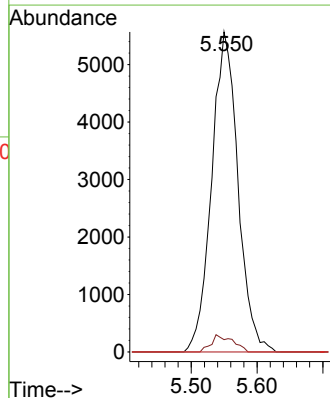
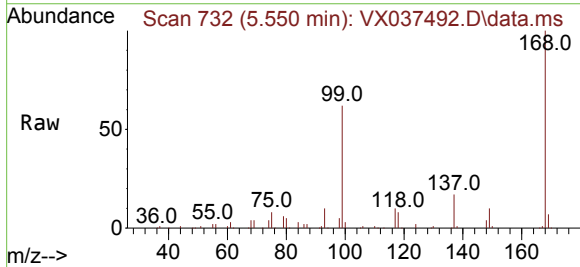
Tgt Ion: 117 Resp: 15526

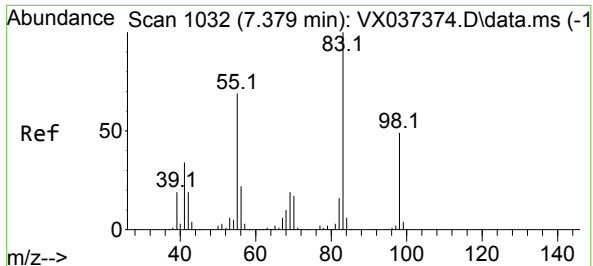
Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.478 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083123

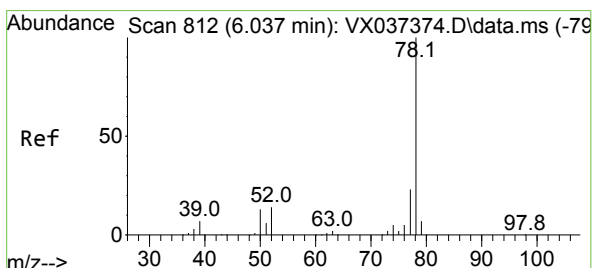
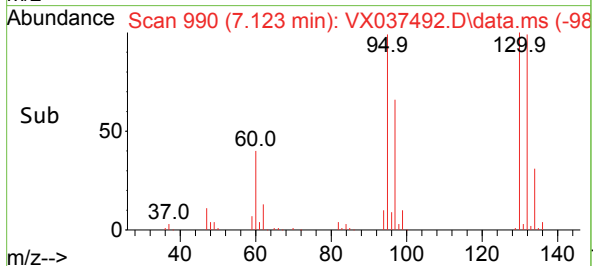
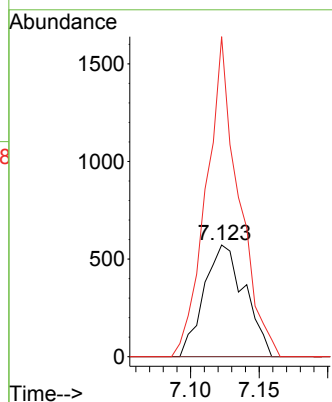
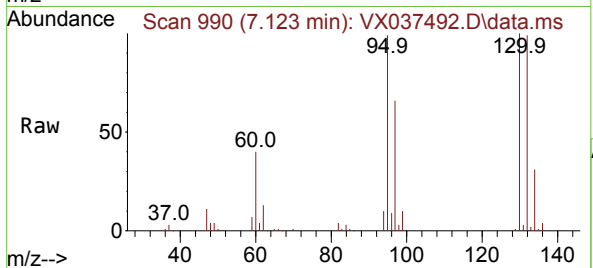
Tgt Ion: 83 Resp: 1189

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 286.5 36.7 55.1#



#40

Benzene

Concen: 0.216 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.012 min

Lab File: VX037492.D

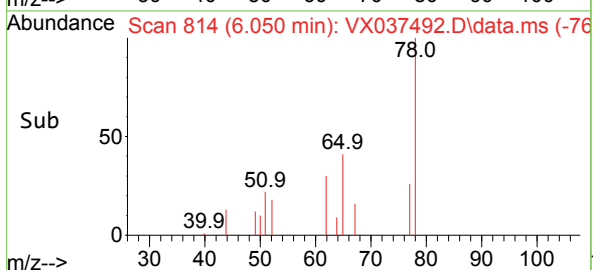
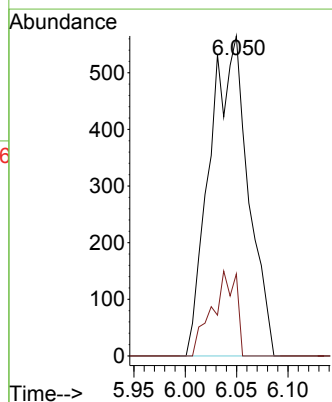
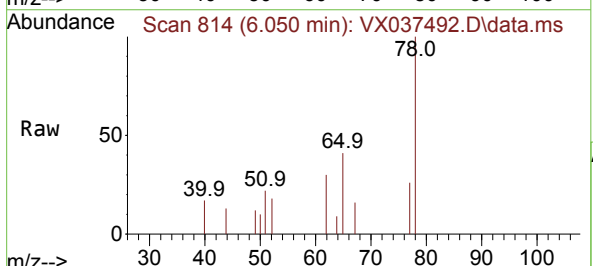
Acq: 02 Sep 2023 18:51

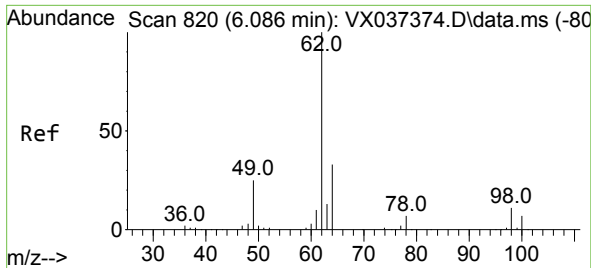
Tgt Ion: 78 Resp: 1470

Ion Ratio Lower Upper

78 100

77 25.7 19.3 28.9





#42

1,2-Dichloroethane

Concen: 3.896 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

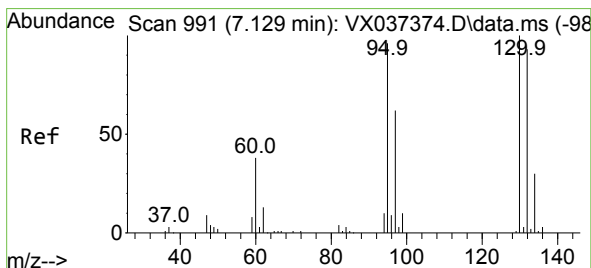
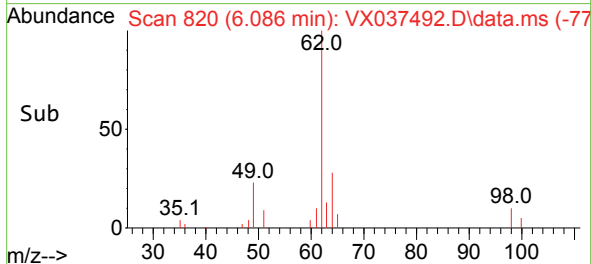
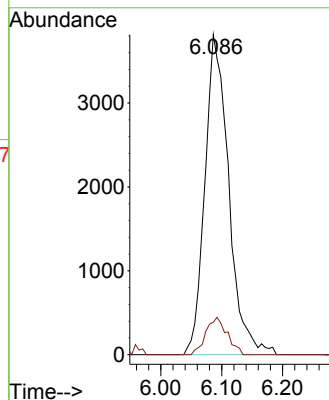
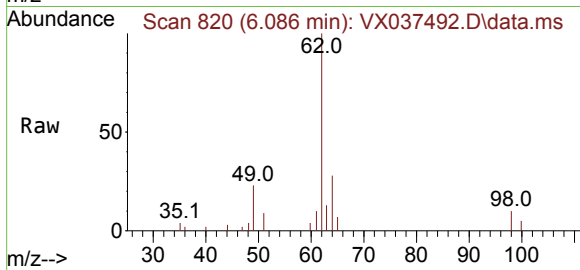
OW-07B-65-083123

Tgt Ion: 62 Resp: 10380

Ion Ratio Lower Upper

62 100

98 10.4 0.0 16.0



#44

Trichloroethene

Concen: 54.437 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037492.D

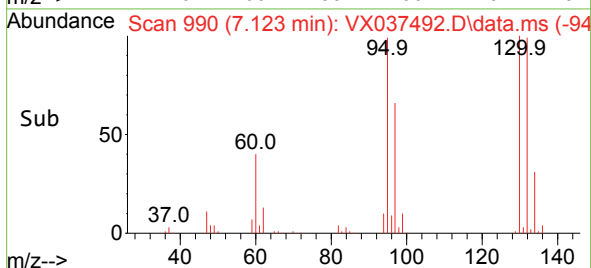
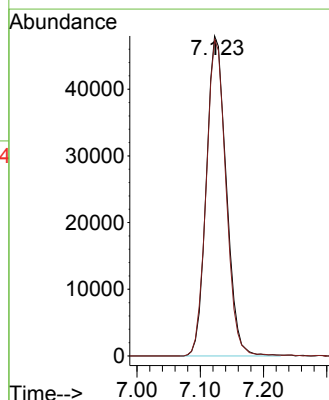
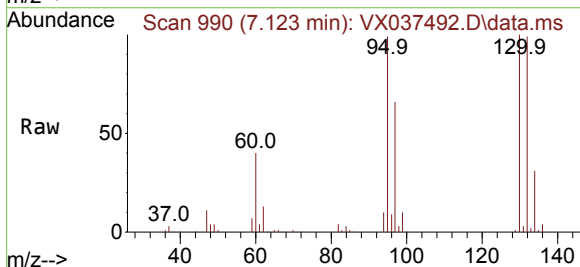
Acq: 02 Sep 2023 18:51

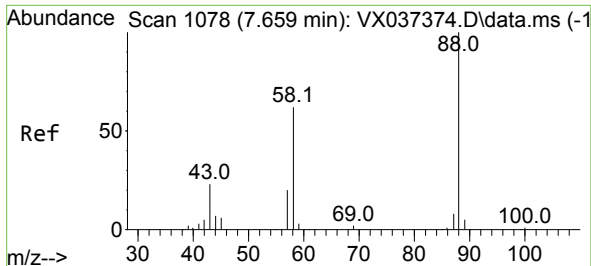
Tgt Ion:130 Resp: 104864

Ion Ratio Lower Upper

130 100

95 98.9 0.0 204.4

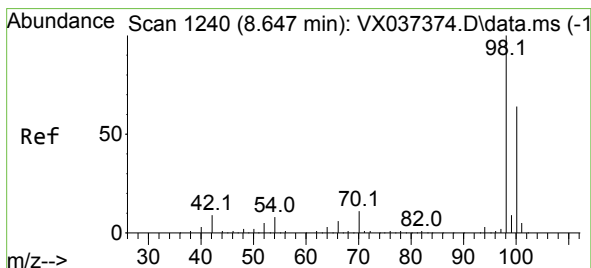
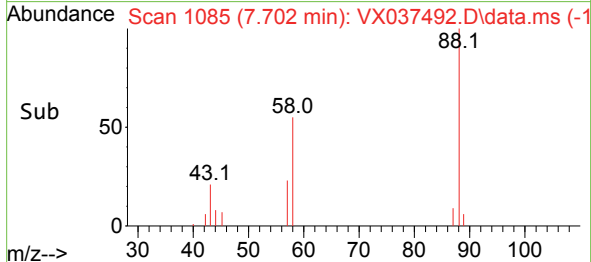
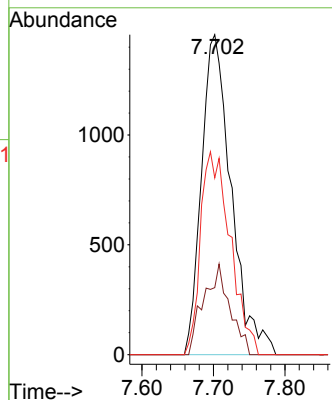
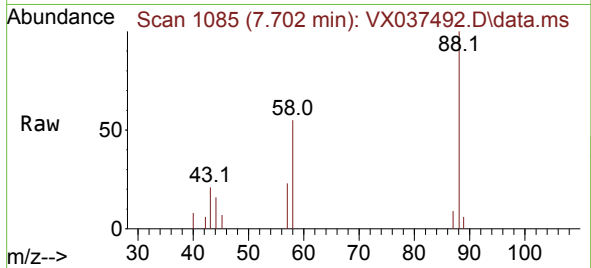




#49
1,4-Dioxane
Concen: 83.164 ug/l
RT: 7.702 min Scan# 1078
Delta R.T. 0.043 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

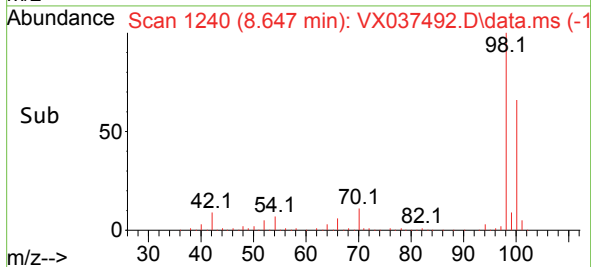
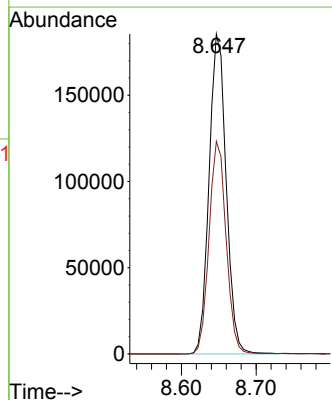
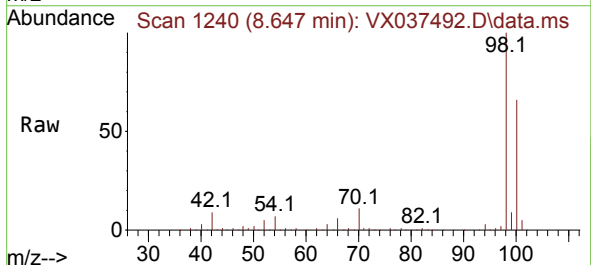
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

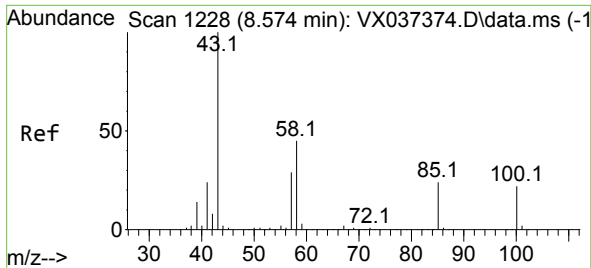
Tgt Ion: 88 Resp: 4196
Ion Ratio Lower Upper
88 100
43 24.9 0.0 0.0#
58 63.4 60.1 90.1



#50
Toluene-d8
Concen: 48.747 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 98 Resp: 294807
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

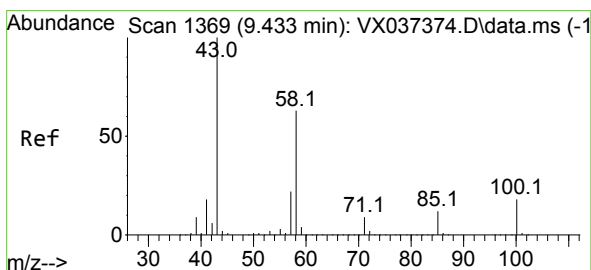
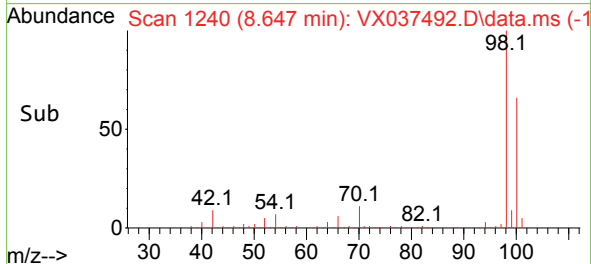
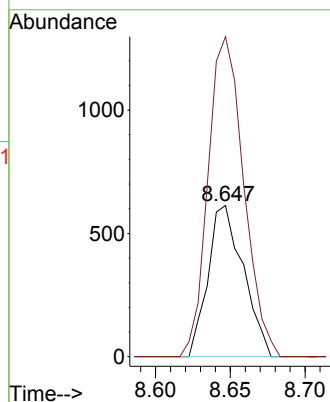
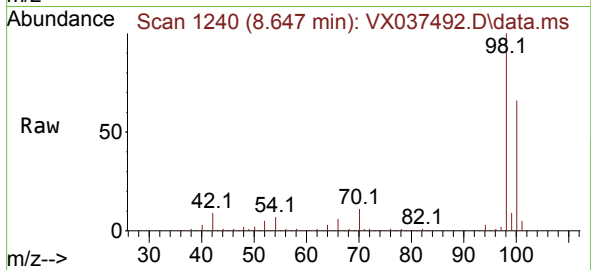




#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

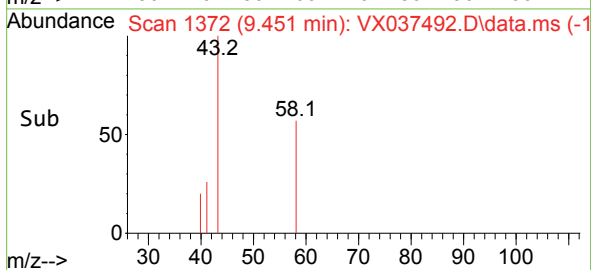
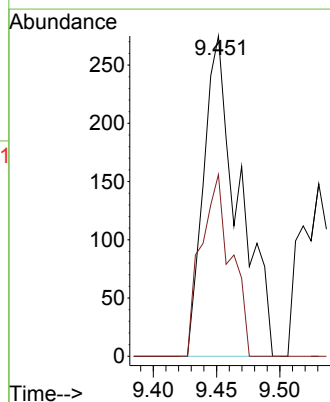
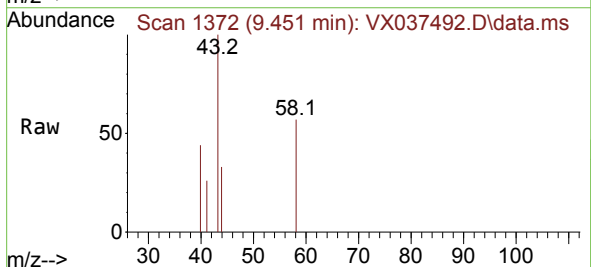
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

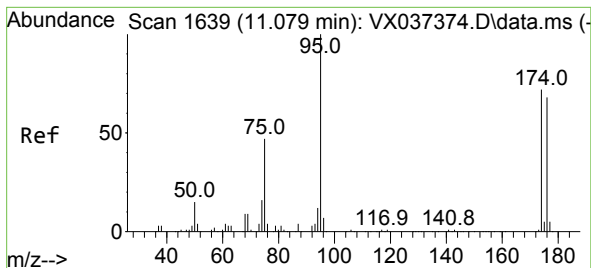
Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 214.3 30.4 45.6#



#59
2-Hexanone
Concen: 0.297 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 48.6 26.2 78.5

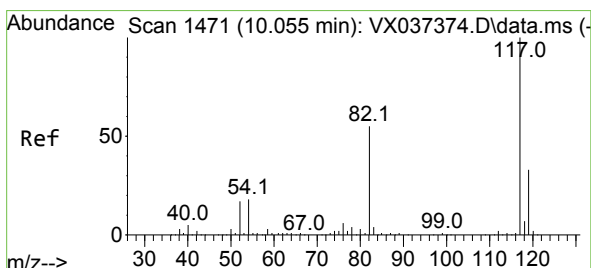
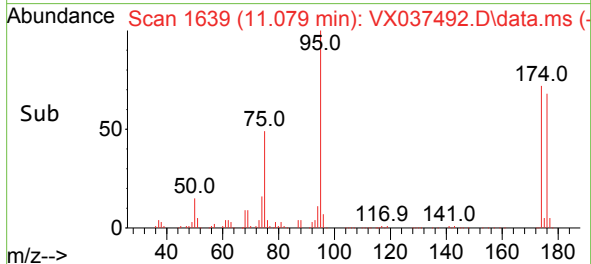
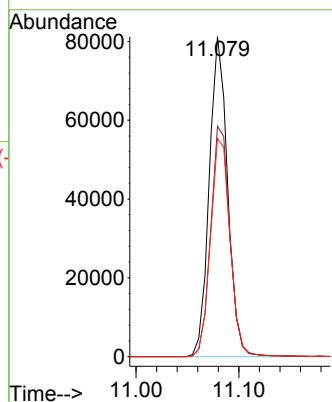
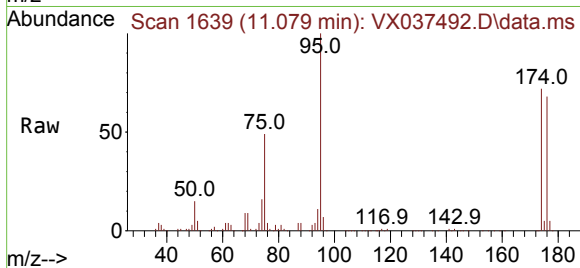




#62
4-Bromofluorobenzene
Concen: 42.506 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

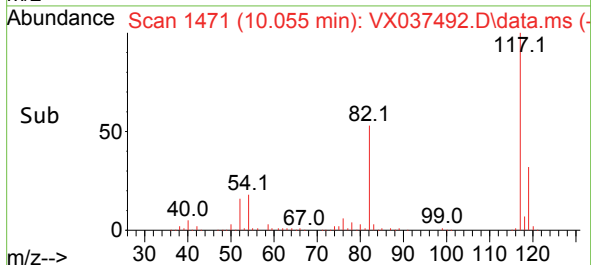
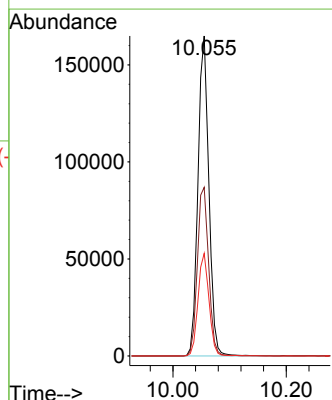
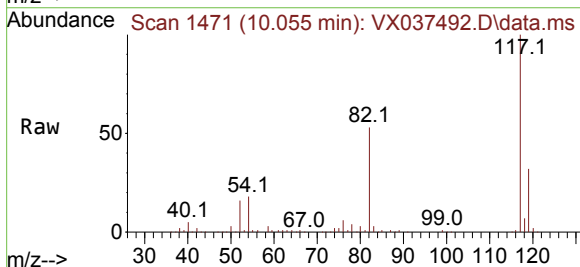
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083123

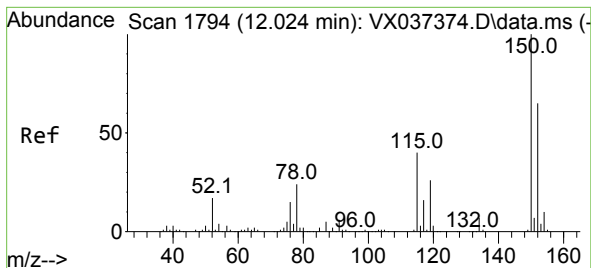
Tgt Ion: 95 Resp: 101022
Ion Ratio Lower Upper
95 100
174 75.3 0.0 135.6
176 72.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037492.D
Acq: 02 Sep 2023 18:51

Tgt Ion: 117 Resp: 219597
Ion Ratio Lower Upper
117 100
82 52.7 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037492.D

Acq: 02 Sep 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083123

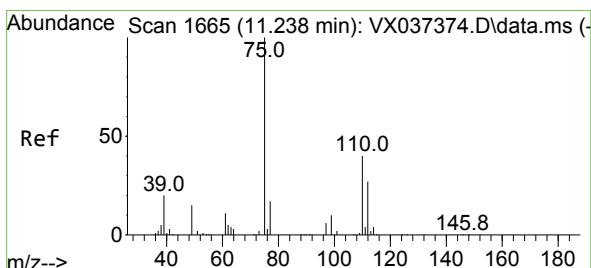
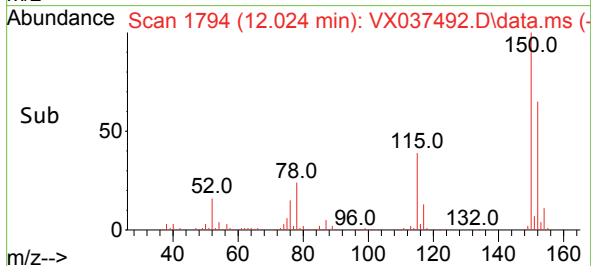
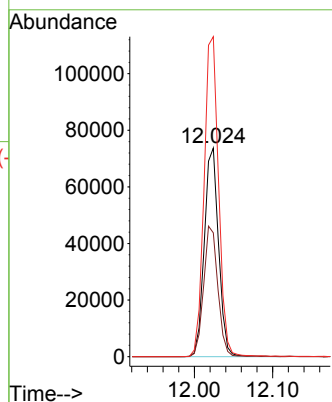
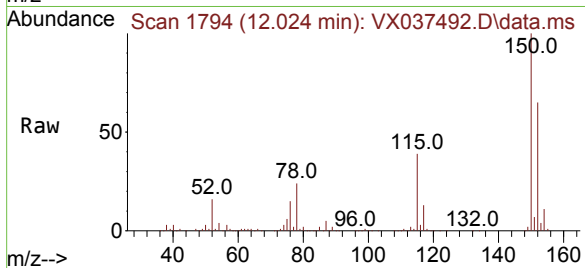
Tgt Ion:152 Resp: 93096

Ion Ratio Lower Upper

152 100

115 62.5 43.3 129.9

150 156.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.259 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037492.D

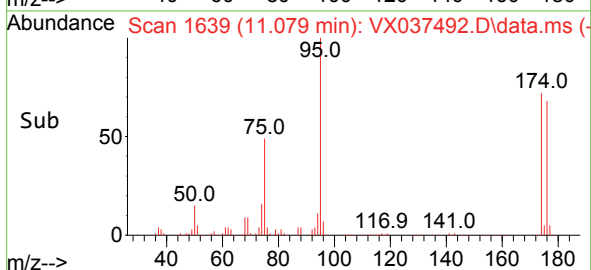
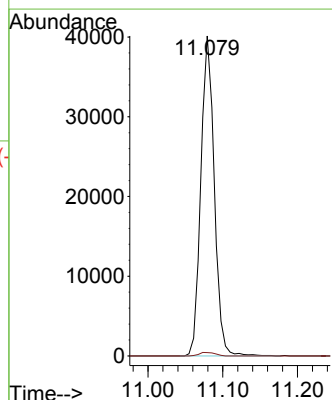
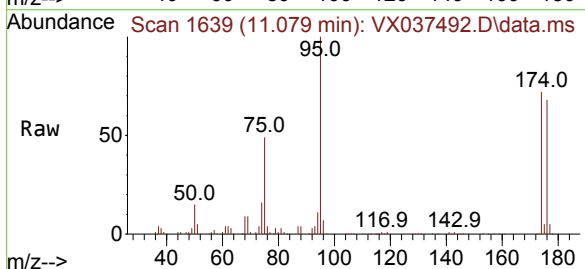
Acq: 02 Sep 2023 18:51

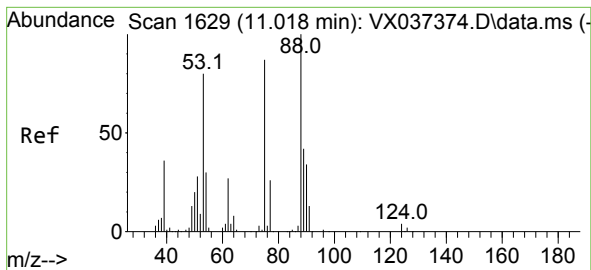
Tgt Ion: 75 Resp: 50080

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.550 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037492.D
 Acq: 02 Sep 2023 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-083123

Tgt Ion: 75 Resp: 50080
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

