

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036139.D
 Acq On : 13 Jun 2023 13:18
 Operator : JC/MD
 Sample : 03173-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 14 00:53:52 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)

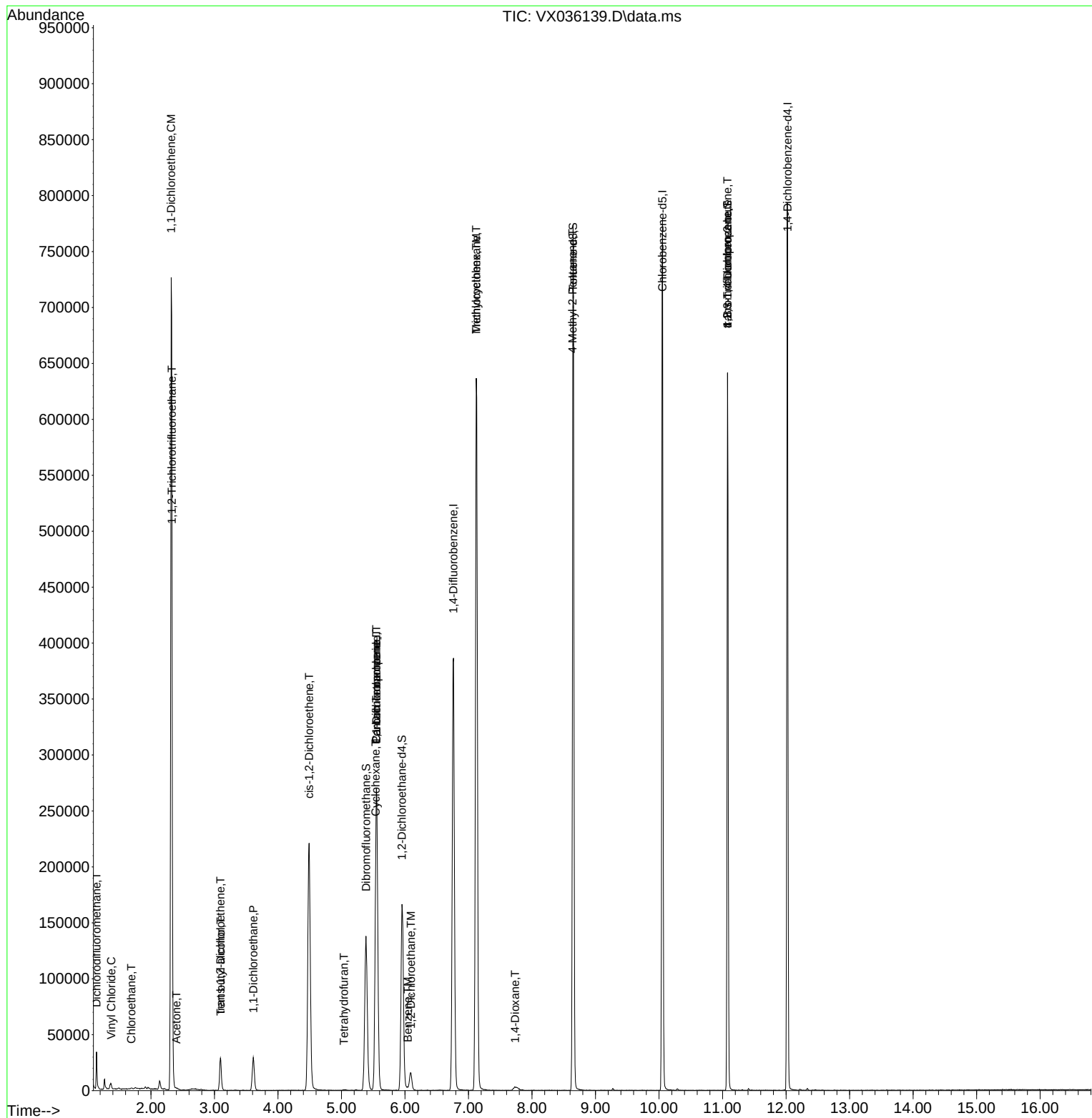
Internal Standards						
1) Pentafluorobenzene	5.550	168	225189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	366221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	325092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171657	46.943	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.880%
35) Dibromofluoromethane	5.385	113	116030	47.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.220%
50) Toluene-d8	8.647	98	435336	49.245	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.079	95	168768	48.361	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	1458	0.593	ug/l	86
4) Vinyl Chloride	1.374	62	1303	0.493	ug/l	99
6) Chloroethane	1.691	64	597	0.384	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	1800	0.780	ug/l	89
11) Tert butyl alcohol	3.099	59	715	1.101	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	222500	98.488	ug/l	97
16) Acetone	2.398	43	2102	1.393	ug/l #	80
21) trans-1,2-Dichloroethene	3.093	96	11238	4.352	ug/l	97
24) 1,1-Dichloroethane	3.611	63	31620	6.311	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	132060	42.607	ug/l	91
29) Tetrahydrofuran	5.038	42	815	0.586	ug/l #	59
31) Cyclohexane	5.537	56	5914	1.545	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	21966	6.688	ug/l #	52
38) Carbon Tetrachloride	5.550	117	26539	8.292	ug/l #	17
39) Methylcyclohexane	7.123	83	3328	0.971	ug/l #	1
40) Benzene	6.043	78	2328	0.236	ug/l	97
42) 1,2-Dichloroethane	6.092	62	18103	4.638	ug/l	99
44) Trichloroethene	7.123	130	226514	88.585	ug/l	94
49) 1,4-Dioxane	7.732	88	2581	38.210	ug/l #	39
51) 4-Methyl-2-Pentanone	8.641	43	2334	0.636	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	96459	29.046	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	96459	97.835	ug/l #	3

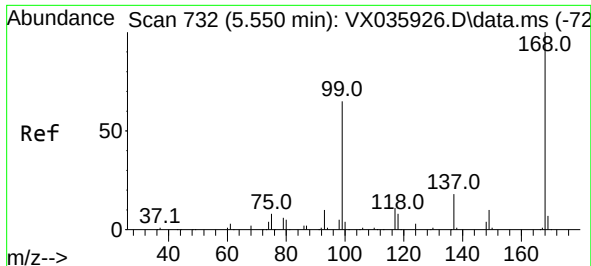
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OW-07B-62.5-67.5-061223-FD

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Quant Title : SW846 8260
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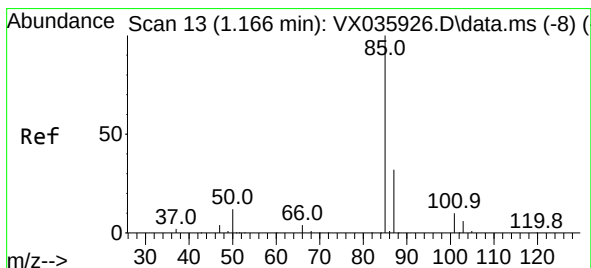
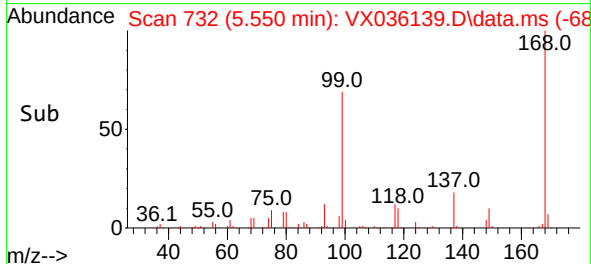
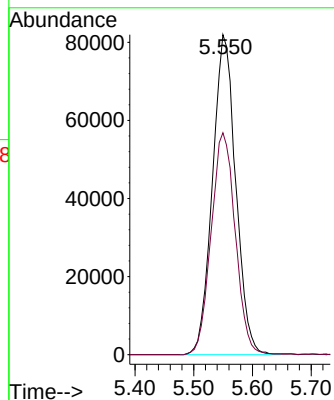
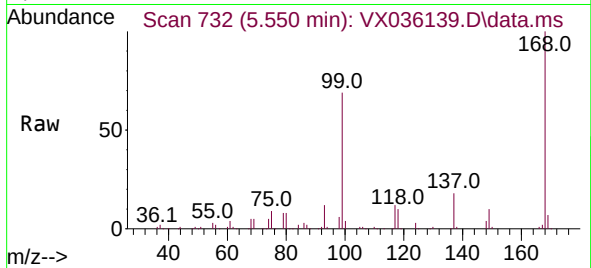




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

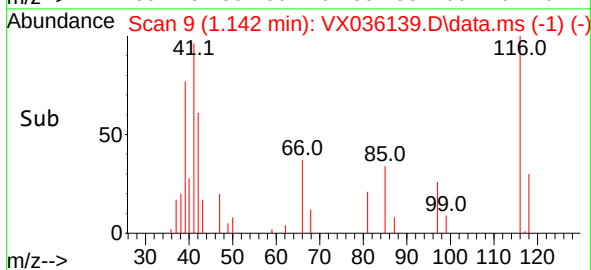
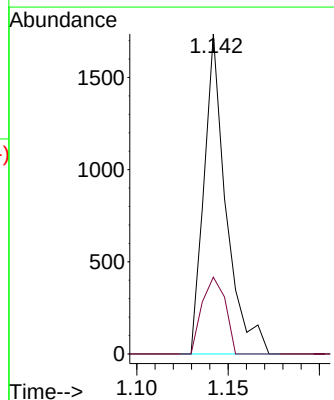
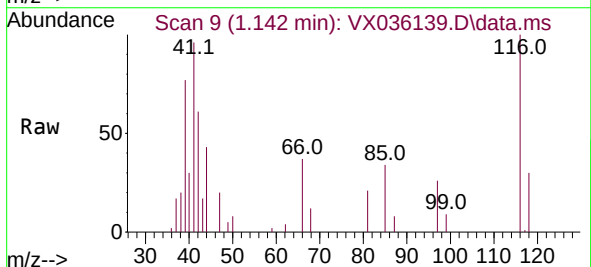
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

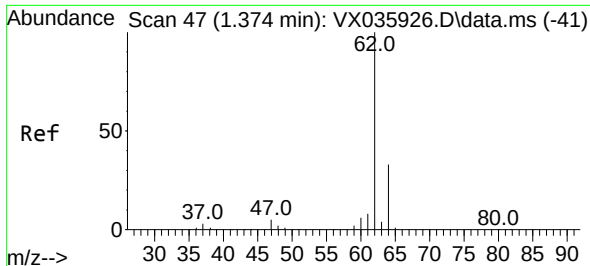
Tgt Ion:168 Resp: 225189
Ion Ratio Lower Upper
168 100
99 69.3 57.0 85.6



#2
Dichlorodifluoromethane
Concen: 0.593 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 85 Resp: 1458
Ion Ratio Lower Upper
85 100
87 24.0 15.8 47.4

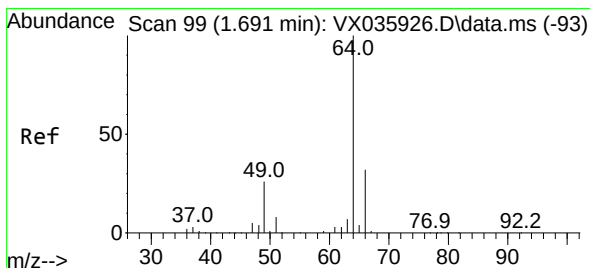
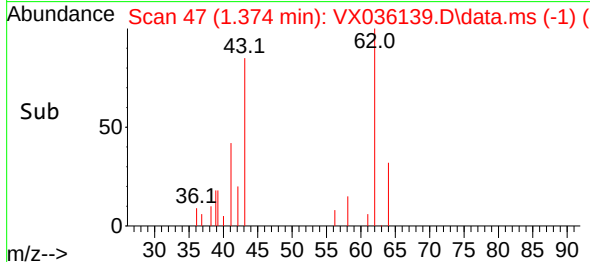
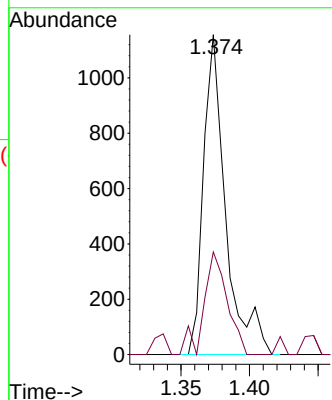
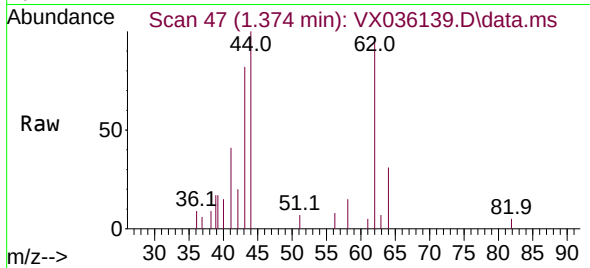




#4
 Vinyl Chloride
 Concen: 0.493 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX036139.D
 Acq: 13 Jun 2023 13:18

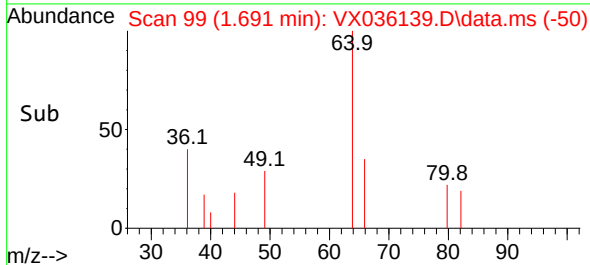
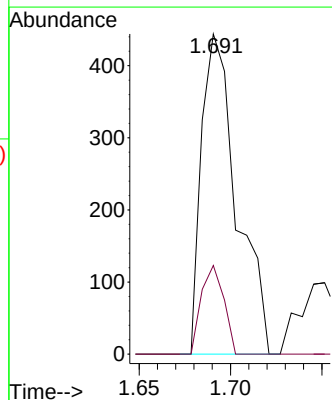
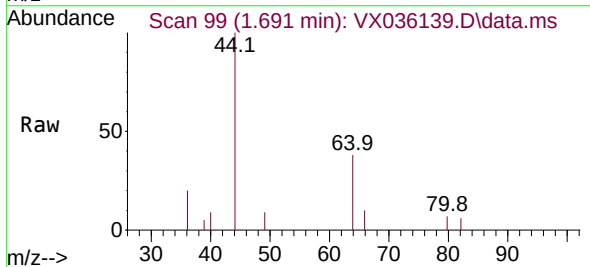
Instrument :
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 ClientSampleId :
 OW-07B-62.5-67.5-061223-FD

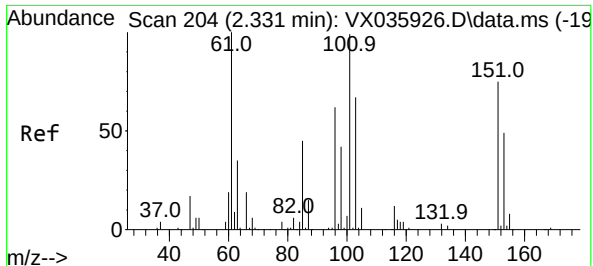
Tgt Ion: 62 Resp: 1303
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.2 37.8



#6
 Chloroethane
 Concen: 0.384 ug/l
 RT: 1.691 min Scan# 99
 Delta R.T. 0.001 min
 Lab File: VX036139.D
 Acq: 13 Jun 2023 13:18

Tgt Ion: 64 Resp: 597
 Ion Ratio Lower Upper
 64 100
 66 27.7 26.0 39.0

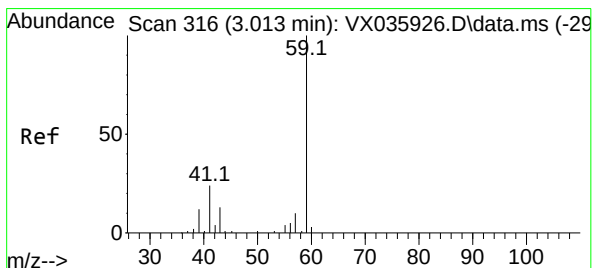
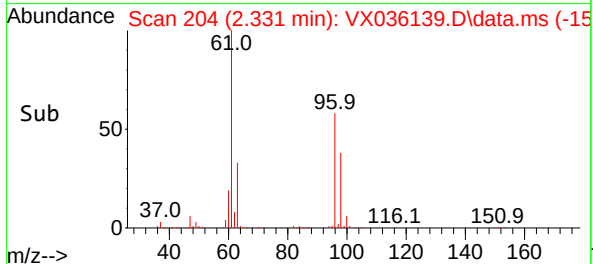
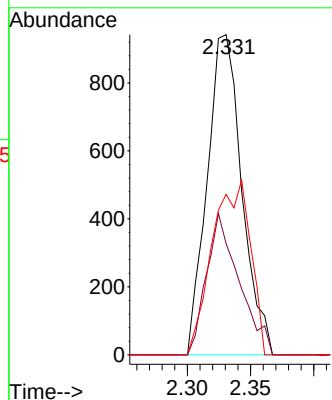
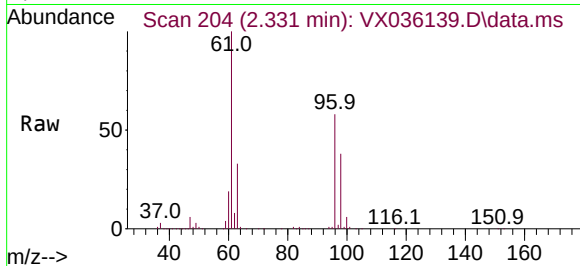




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.780 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.001 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

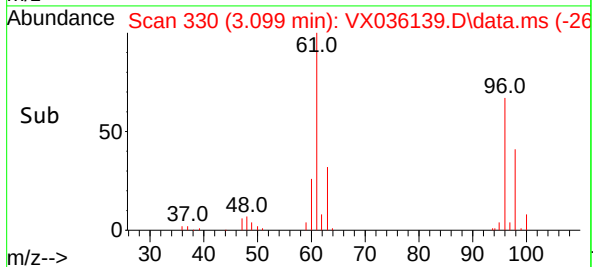
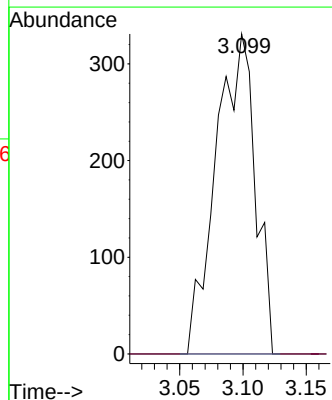
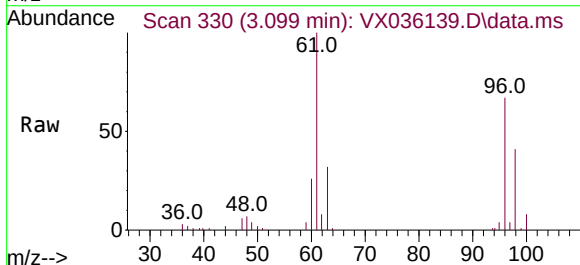
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

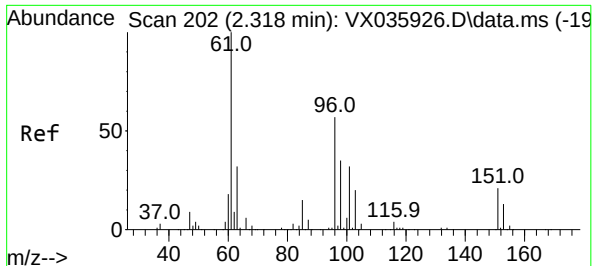
Tgt Ion:101 Resp: 1800
Ion Ratio Lower Upper
101 100
85 41.4 37.3 55.9
151 59.8 57.0 85.6



#11
Tert butyl alcohol
Concen: 1.101 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.092 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 98.488 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.001 min

Lab File: VX036139.D

Acq: 13 Jun 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223-FD

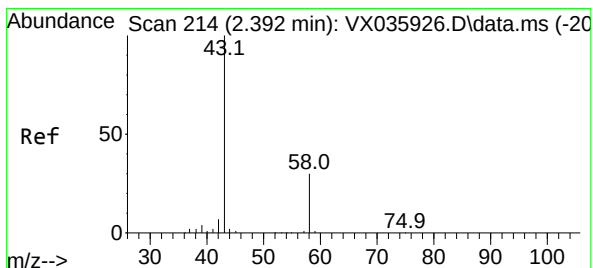
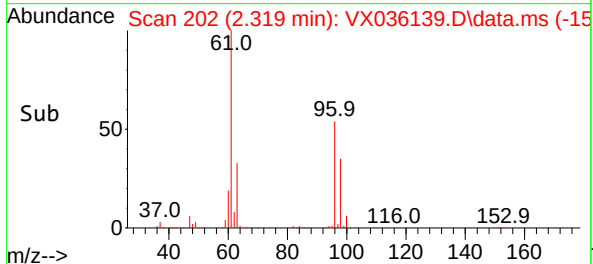
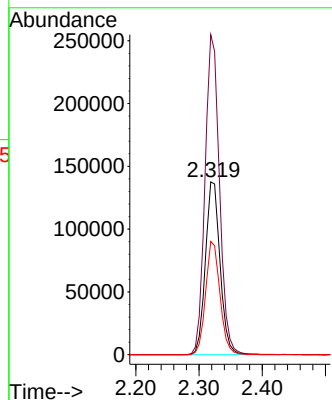
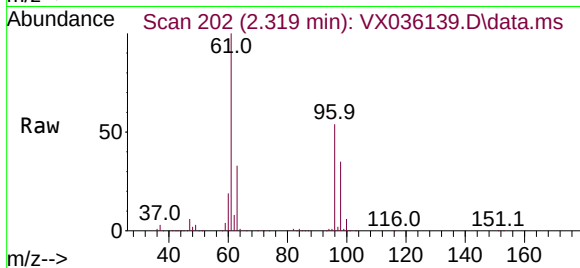
Tgt Ion: 96 Resp: 222500

Ion Ratio Lower Upper

96 100

61 185.2 145.2 217.8

98 65.5 49.3 73.9



#16

Acetone

Concen: 1.393 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.007 min

Lab File: VX036139.D

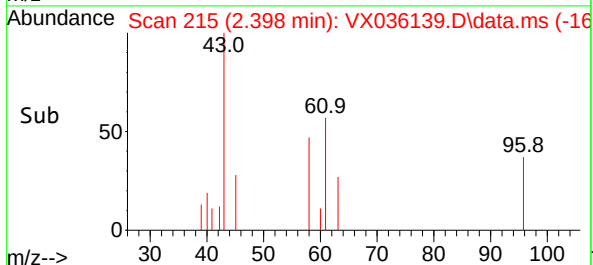
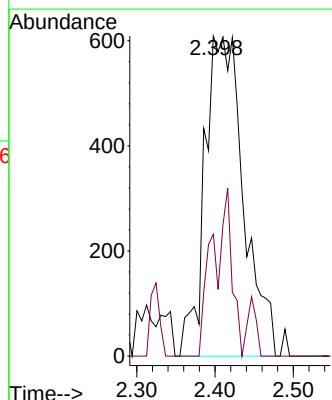
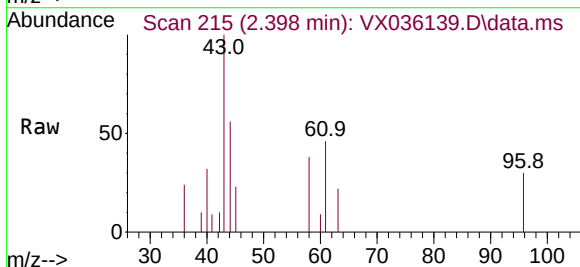
Acq: 13 Jun 2023 13:18

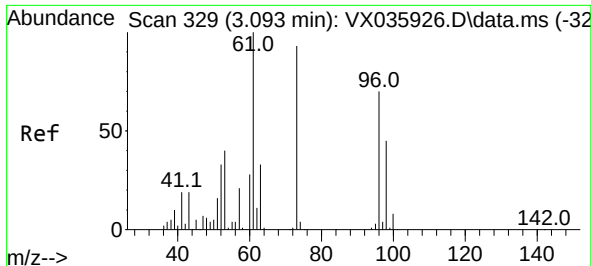
Tgt Ion: 43 Resp: 2102

Ion Ratio Lower Upper

43 100

58 38.1 22.2 33.2#

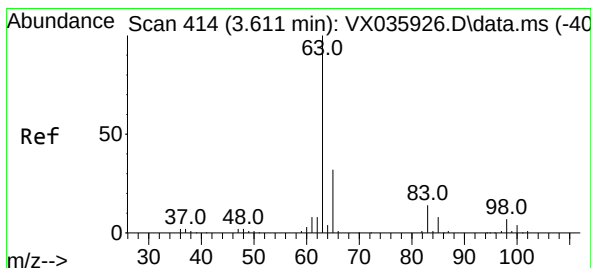
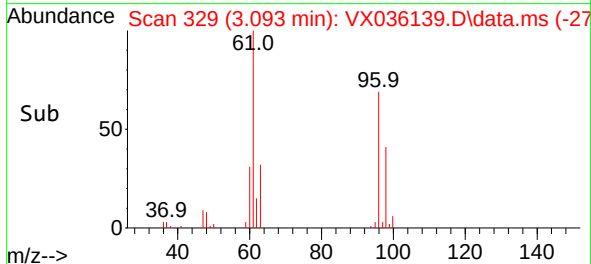
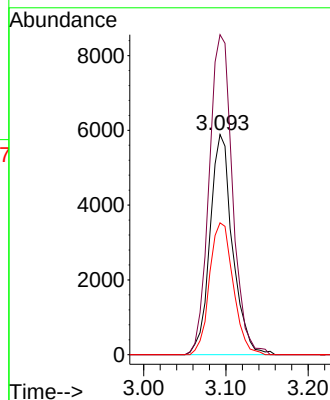
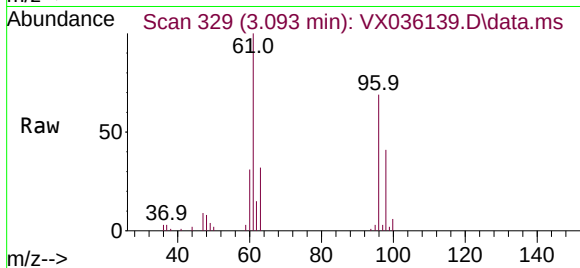




#21
trans-1,2-Dichloroethene
Concen: 4.352 ug/l
RT: 3.093 min Scan# 312
Delta R.T. 0.007 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

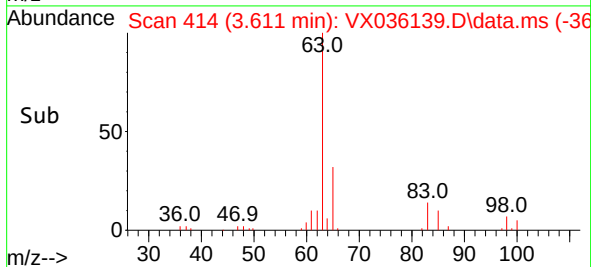
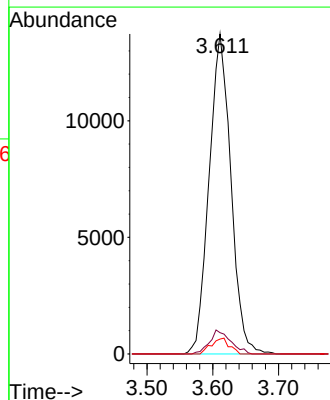
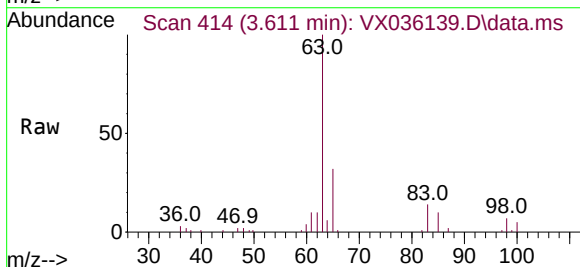
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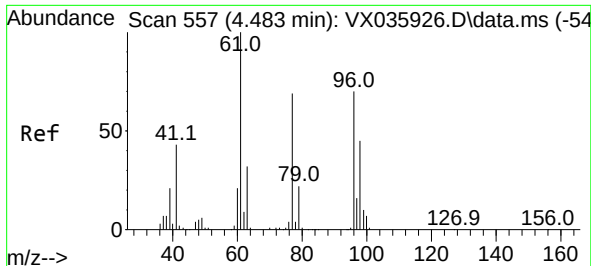
Tgt Ion: 96 Resp: 11238
Ion Ratio Lower Upper
96 100
61 145.3 118.2 177.4
98 59.9 50.6 75.8



#24
1,1-Dichloroethane
Concen: 6.311 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 63 Resp: 31620
Ion Ratio Lower Upper
63 100
98 6.7 3.5 10.5
100 4.6 2.3 6.9

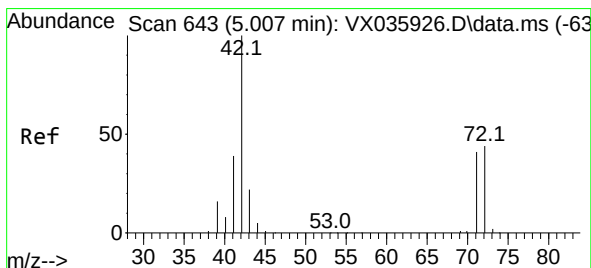
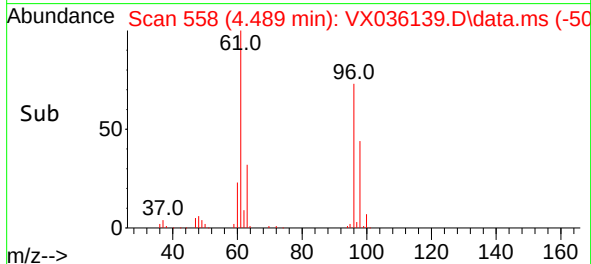
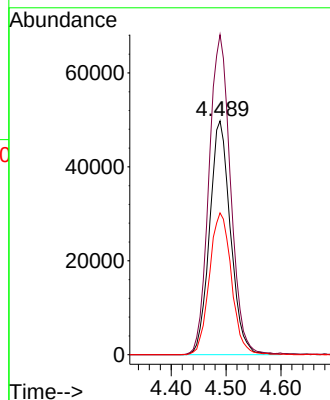
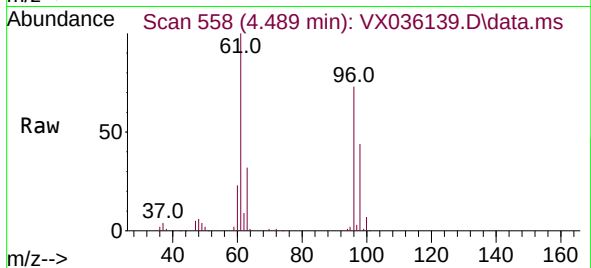




#27
cis-1,2-Dichloroethene
Concen: 42.607 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

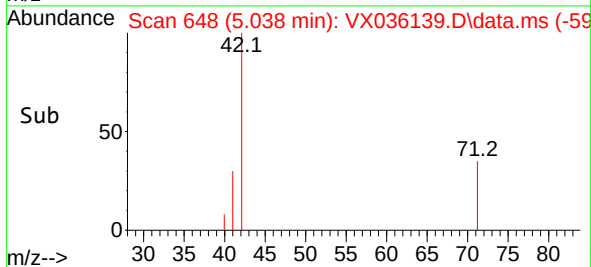
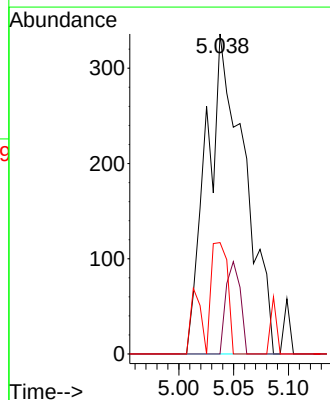
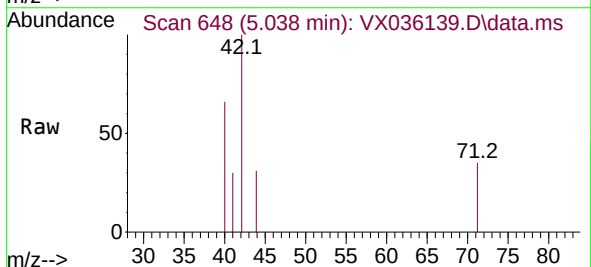
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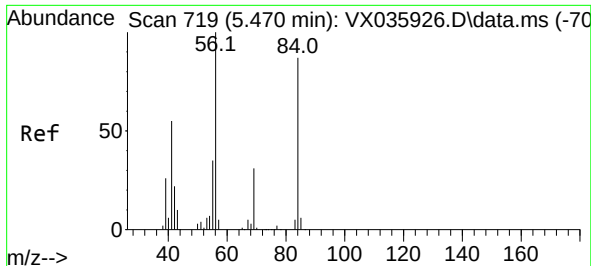
Tgt Ion: 96 Resp: 132060
Ion Ratio Lower Upper
96 100
61 141.1 0.0 312.6
98 63.8 0.0 130.0



#29
Tetrahydrofuran
Concen: 0.586 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

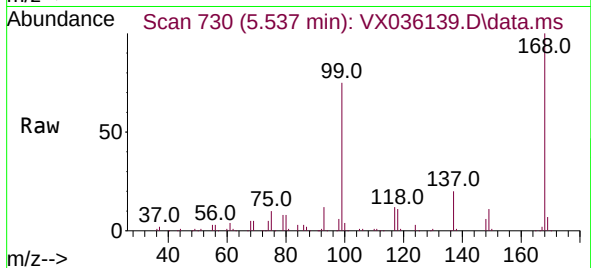
Tgt Ion: 42 Resp: 815
Ion Ratio Lower Upper
42 100
72 10.8 34.2 51.2#
71 20.2 31.8 47.8#



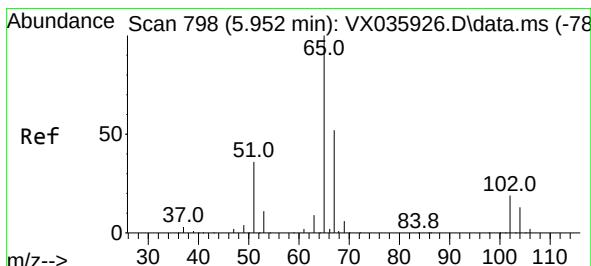
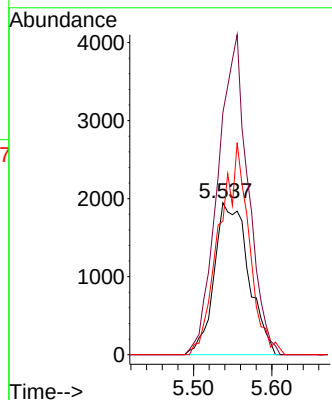
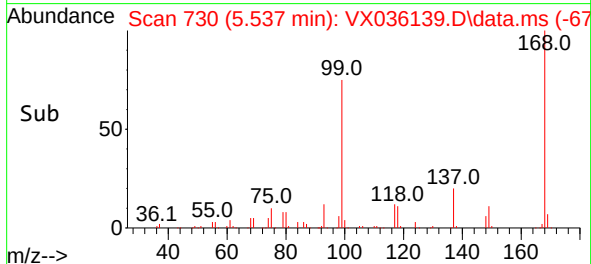


#31
Cyclohexane
Concen: 1.545 ug/l
RT: 5.537 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

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

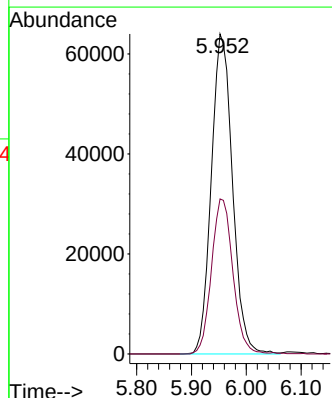
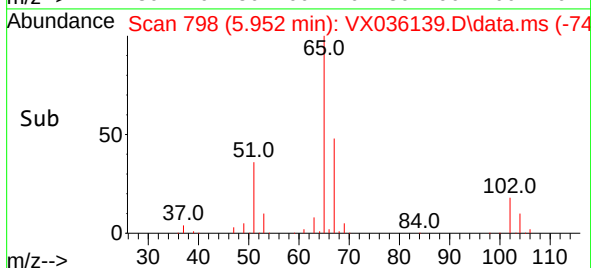
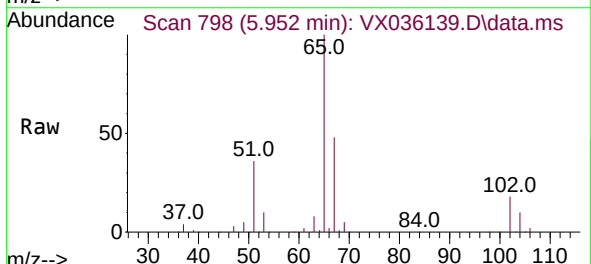


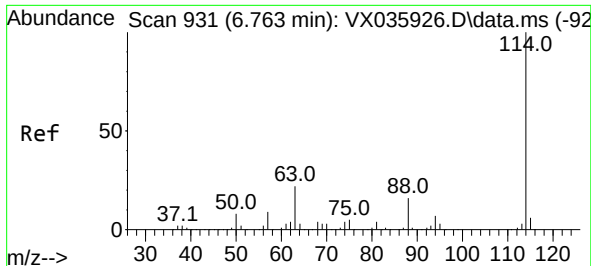
Tgt Ion: 56 Resp: 5914
Ion Ratio Lower Upper
56 100
69 159.5 25.9 38.9#
84 88.0 67.6 101.4



#33
1,2-Dichloroethane-d4
Concen: 46.943 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 65 Resp: 171657
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.6

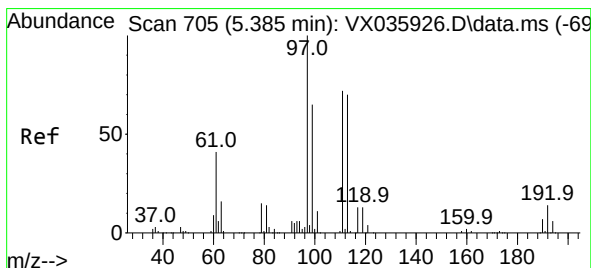
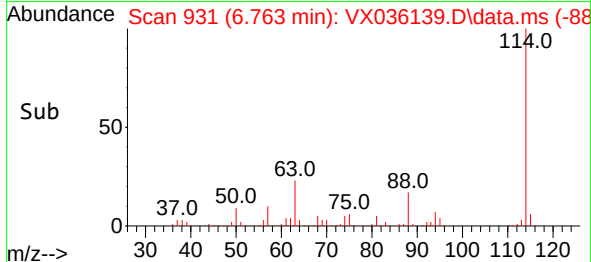
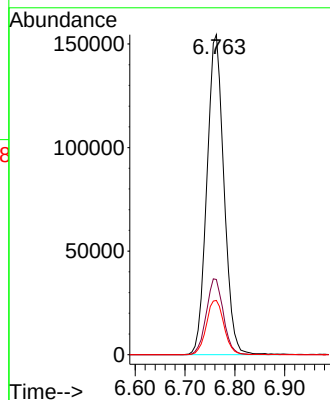
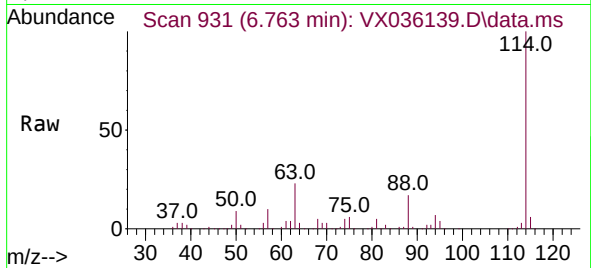




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

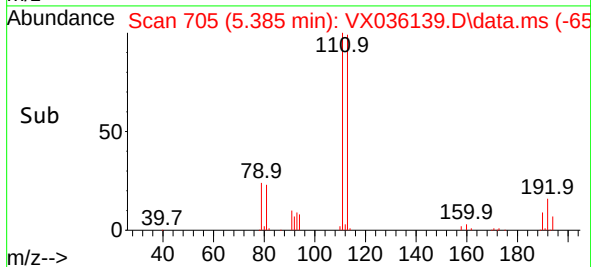
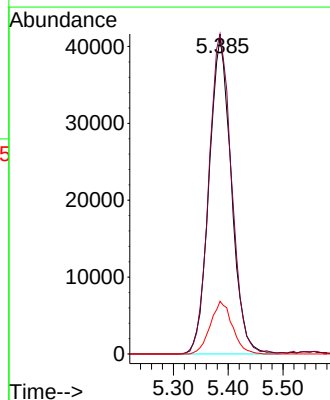
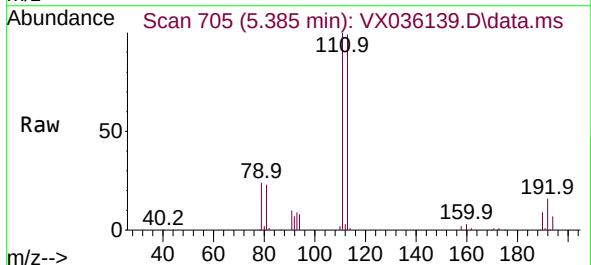
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

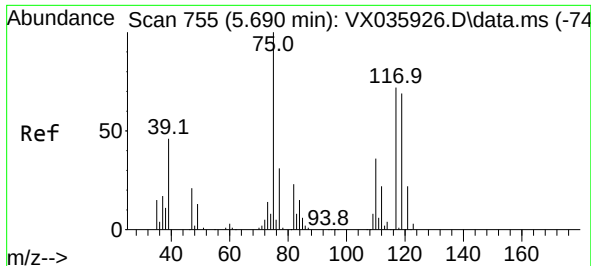
Tgt Ion:114 Resp: 366221
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.0
88 17.0 0.0 35.2



#35
Dibromofluoromethane
Concen: 47.106 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion:113 Resp: 116030
Ion Ratio Lower Upper
113 100
111 103.4 81.7 122.5
192 16.4 13.5 20.3

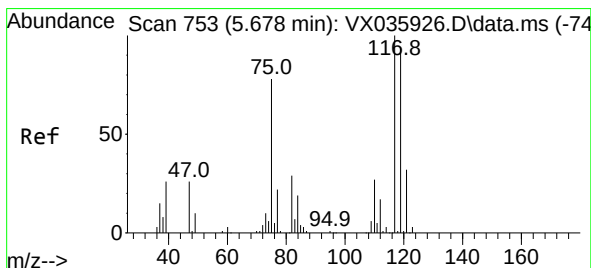
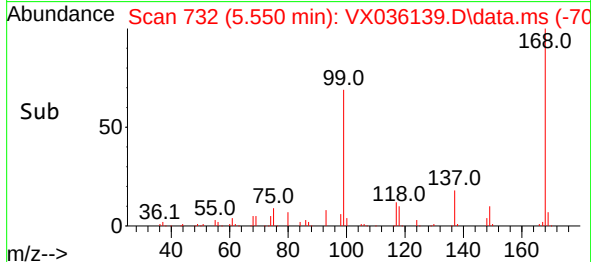
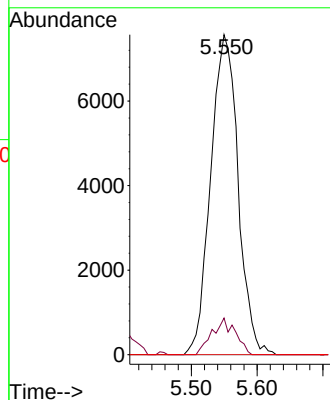
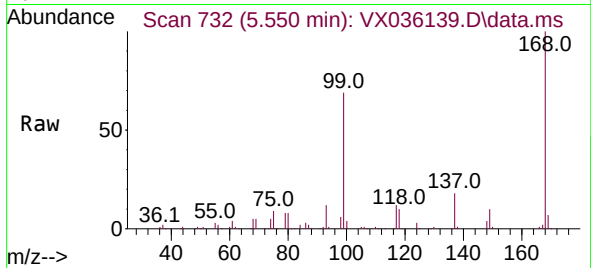




#36
1,1-Dichloropropene
Concen: 6.688 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

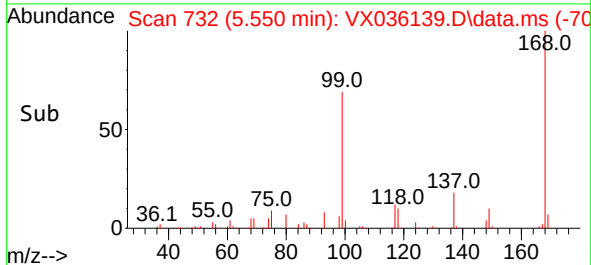
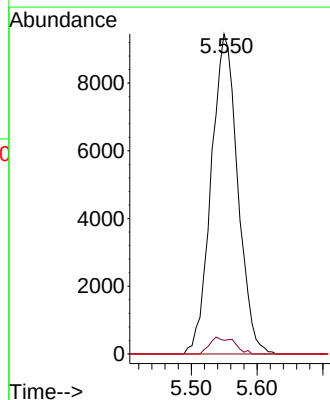
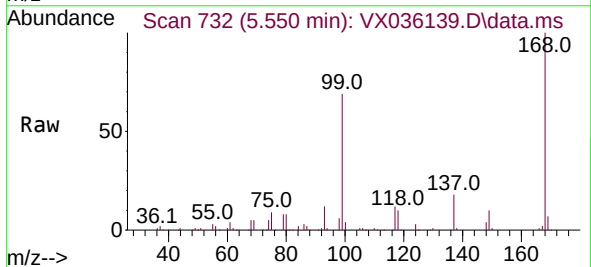
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

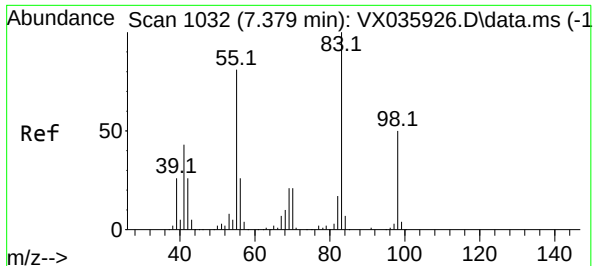
Tgt Ion: 75 Resp: 21966
Ion Ratio Lower Upper
75 100
110 9.7 16.6 49.7#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 8.292 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 117 Resp: 26539
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 0.971 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.255 min

Lab File: VX036139.D

Acq: 13 Jun 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223-FD

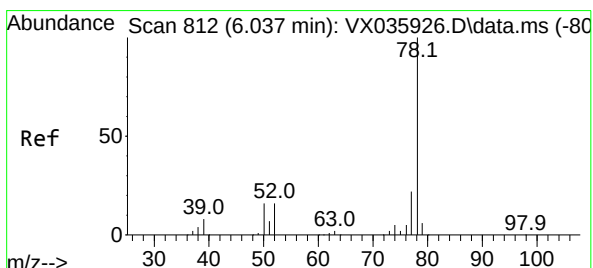
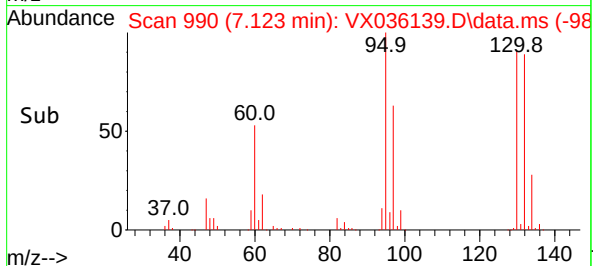
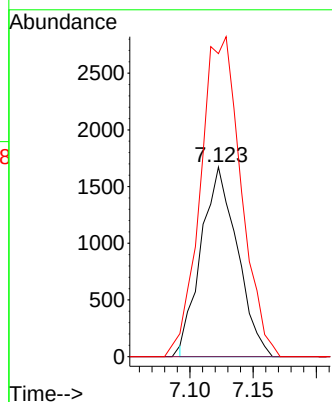
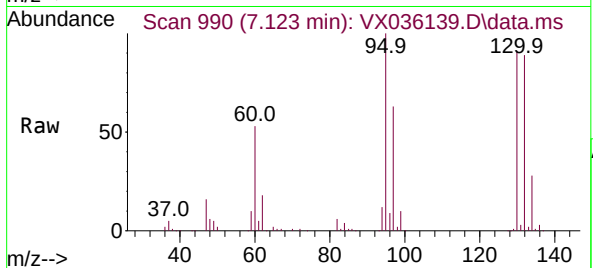
Tgt Ion: 83 Resp: 3328

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 159.8 38.1 57.1#



#40

Benzene

Concen: 0.236 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX036139.D

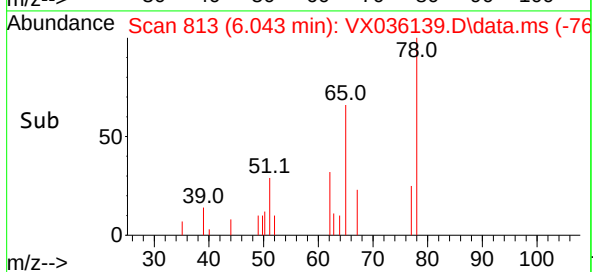
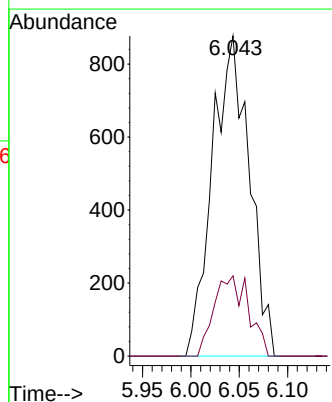
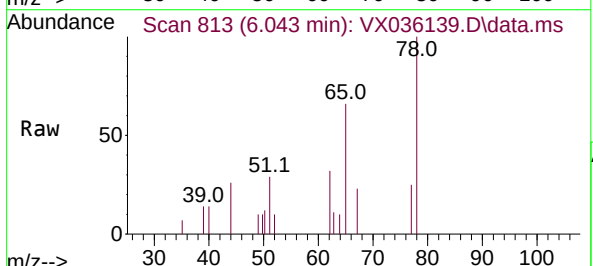
Acq: 13 Jun 2023 13:18

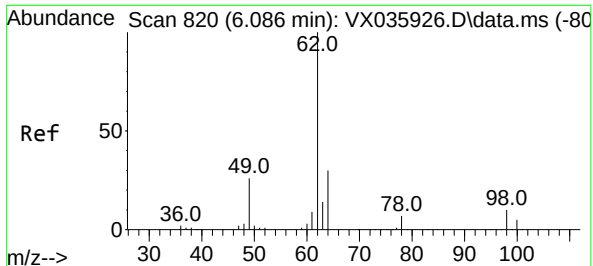
Tgt Ion: 78 Resp: 2328

Ion Ratio Lower Upper

78 100

77 25.1 19.0 28.6





#42

1,2-Dichloroethane

Concen: 4.638 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX036139.D

Acq: 13 Jun 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

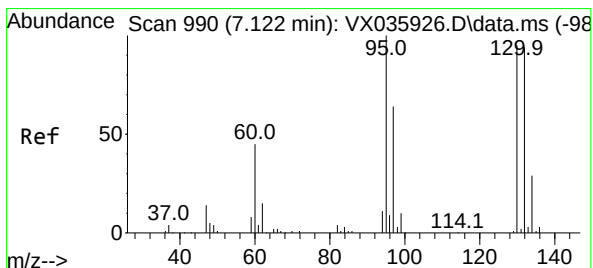
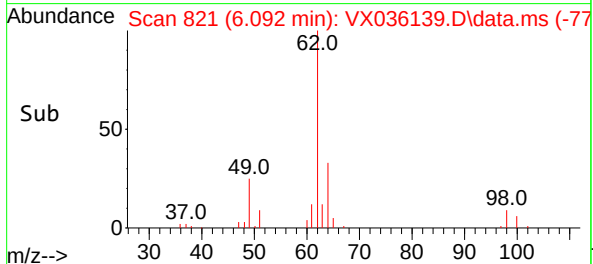
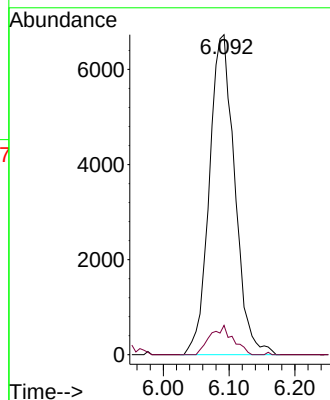
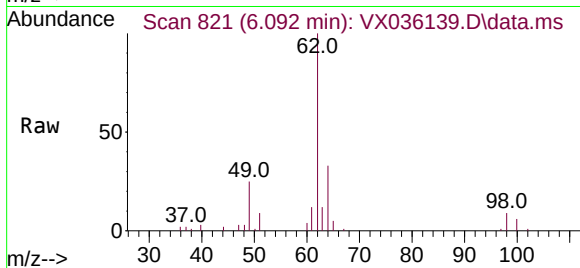
OW-07B-62.5-67.5-061223-FD

Tgt Ion: 62 Resp: 18103

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.0



#44

Trichloroethene

Concen: 88.585 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.001 min

Lab File: VX036139.D

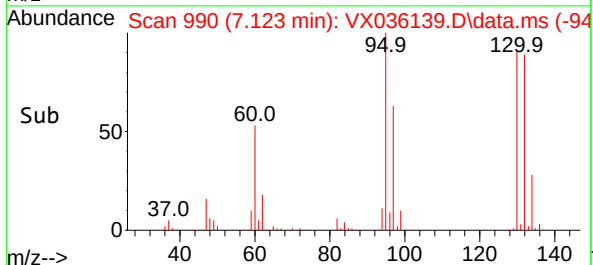
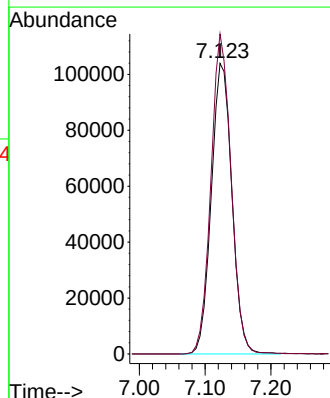
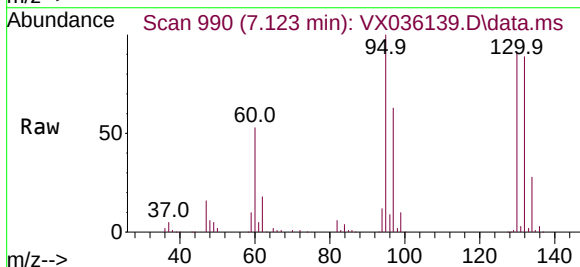
Acq: 13 Jun 2023 13:18

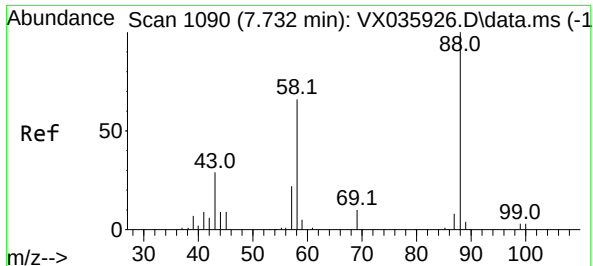
Tgt Ion:130 Resp: 226514

Ion Ratio Lower Upper

130 100

95 110.1 0.0 207.6





#49

1,4-Dioxane

Concen: 38.210 ug/l

RT: 7.732 min Scan# 1090

Delta R.T. 0.018 min

Lab File: VX036139.D

Acq: 13 Jun 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-62.5-67.5-061223-FD

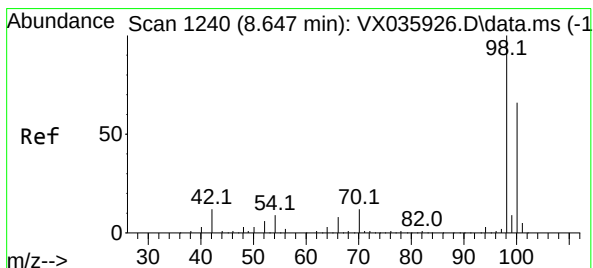
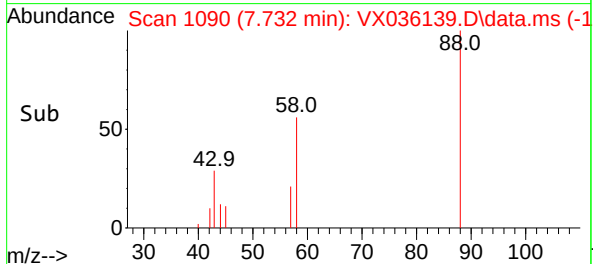
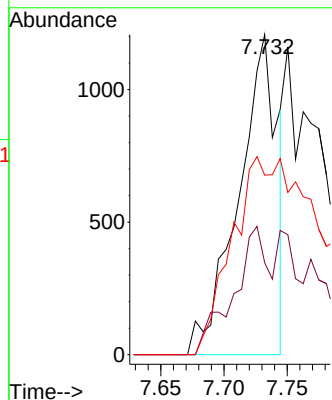
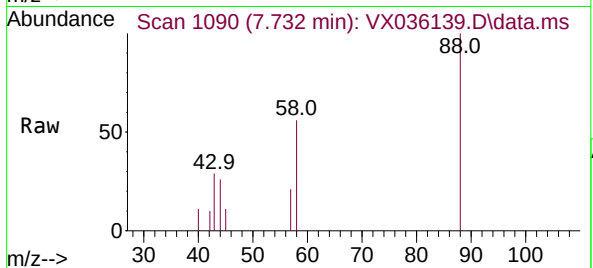
Tgt Ion: 88 Resp: 2581

Ion Ratio Lower Upper

88 100

43 36.6 27.4 41.0

58 147.4 58.9 88.3#



#50

Toluene-d8

Concen: 49.245 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036139.D

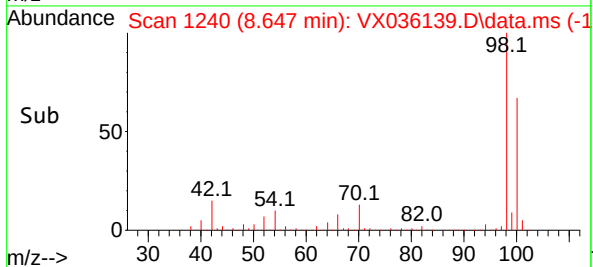
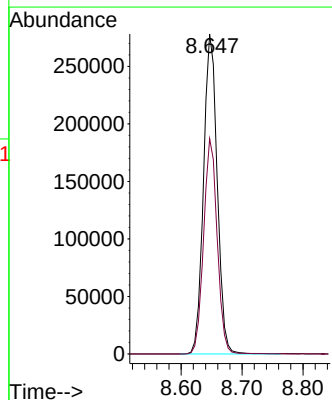
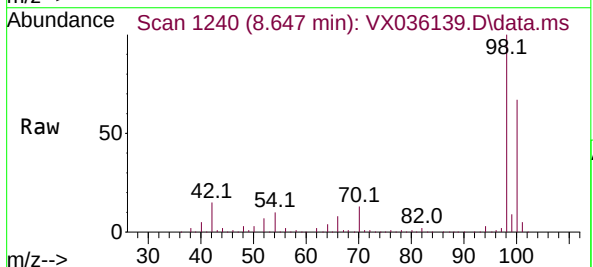
Acq: 13 Jun 2023 13:18

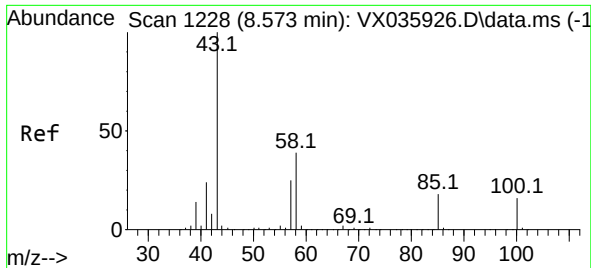
Tgt Ion: 98 Resp: 435336

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0

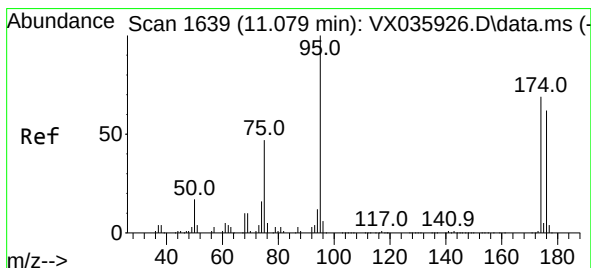
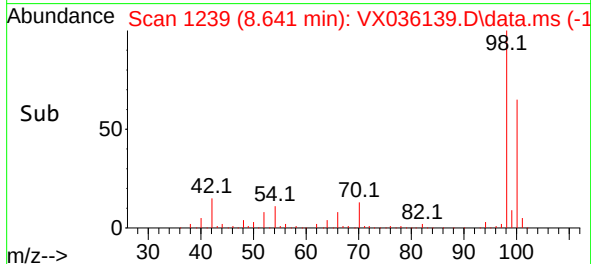
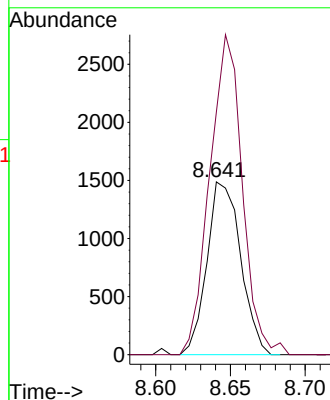
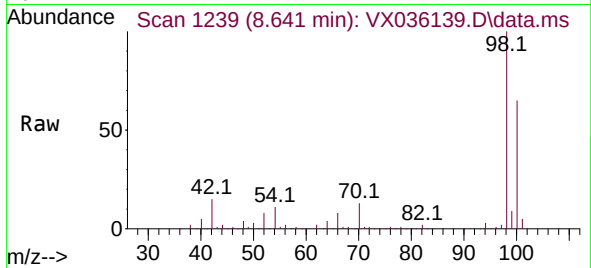




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.068 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

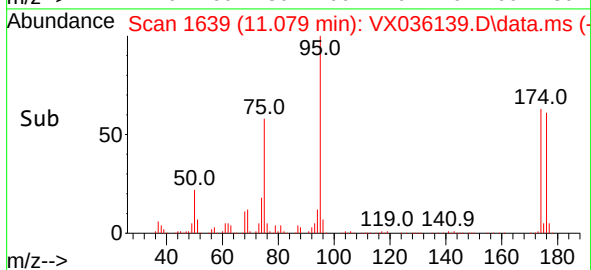
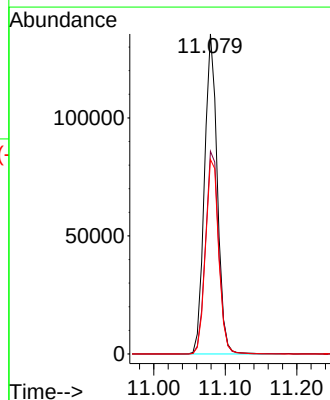
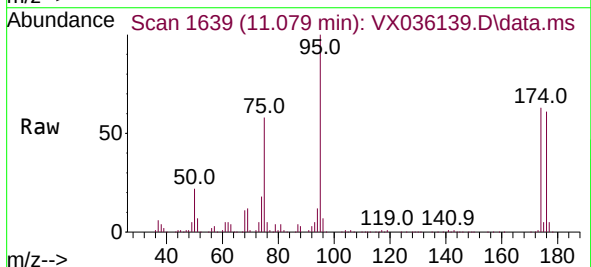
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

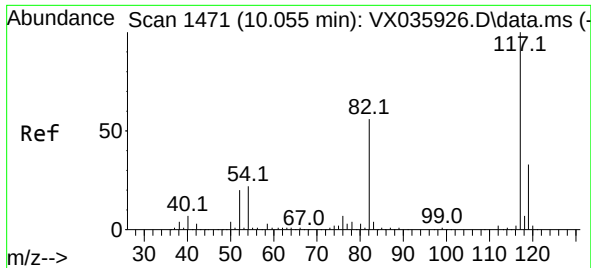
Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
58 179.0 30.1 45.1#



#62
4-Bromofluorobenzene
Concen: 48.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 95 Resp: 168768
Ion Ratio Lower Upper
95 100
174 65.6 0.0 132.6
176 62.9 0.0 128.0

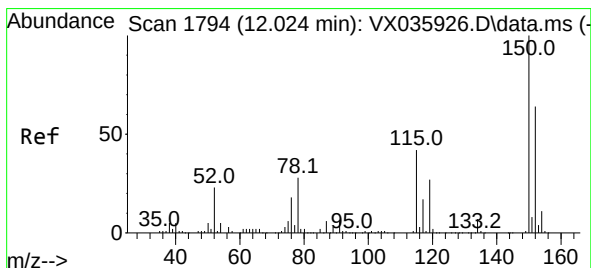
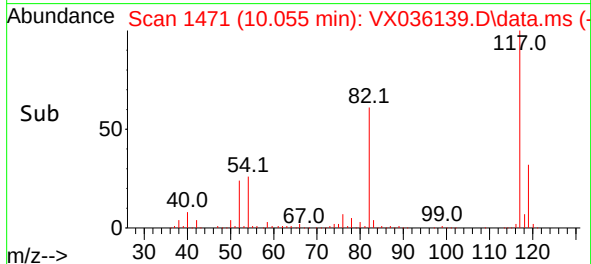
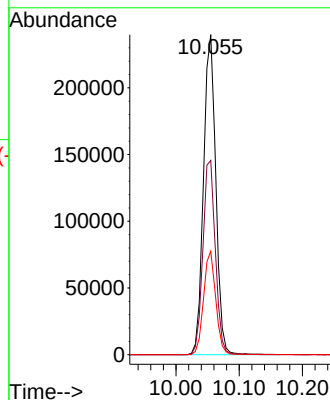
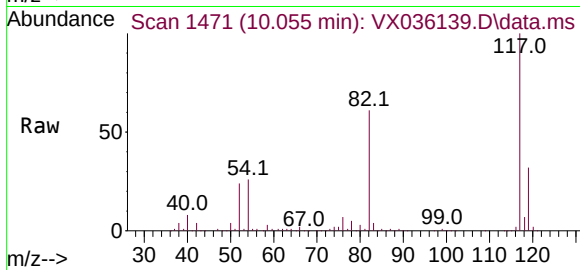




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

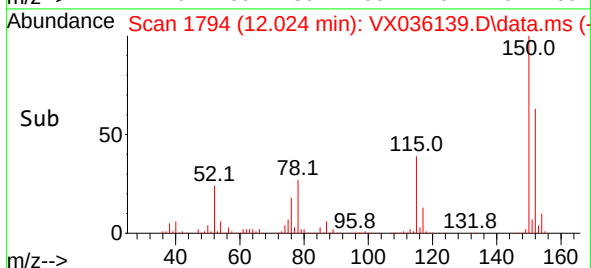
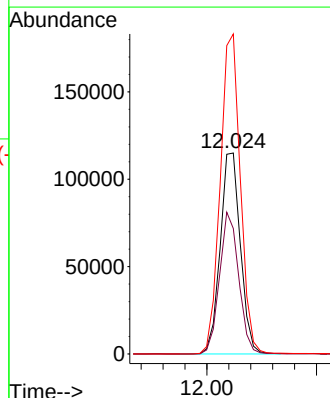
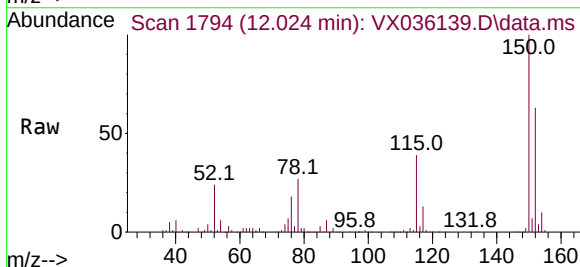
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-62.5-67.5-061223-FD

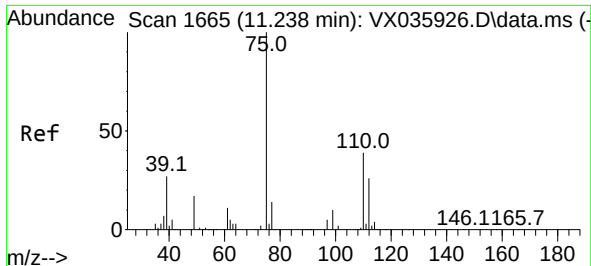
Tgt Ion:117 Resp: 325092
Ion Ratio Lower Upper
117 100
82 60.7 46.6 69.8
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion:152 Resp: 147241
Ion Ratio Lower Upper
152 100
115 67.0 45.5 136.5
150 158.8 0.0 345.2

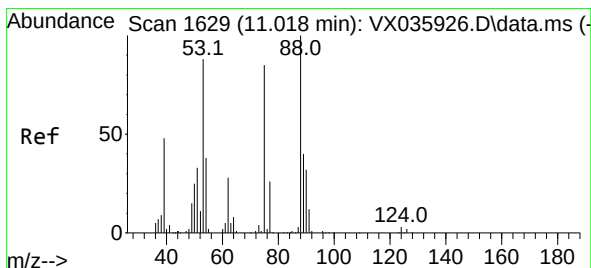
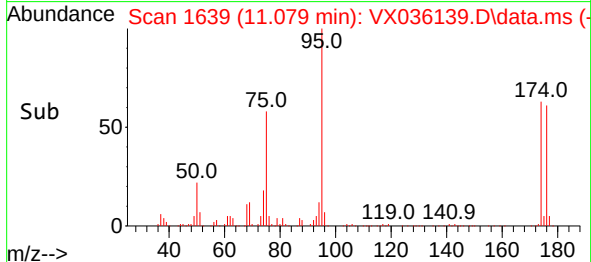
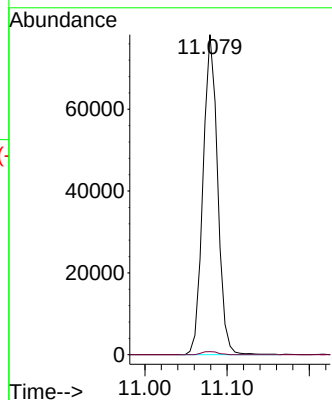
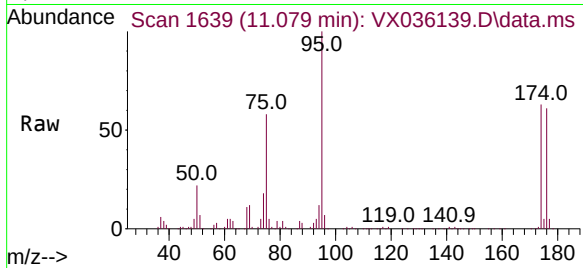




#76
1,2,3-Trichloropropane
Concen: 29.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

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

Tgt Ion: 75 Resp: 96459
Ion Ratio Lower Upper
75 100
77 1.1 21.4 64.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.835 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036139.D
Acq: 13 Jun 2023 13:18

Tgt Ion: 75 Resp: 96459
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#

