

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037340.D
 Acq On : 29 Aug 2023 14:27
 Operator : JC/MD
 Sample : 04207-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-06B-79-082823-H

Quant Time: Aug 30 02:06:47 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)

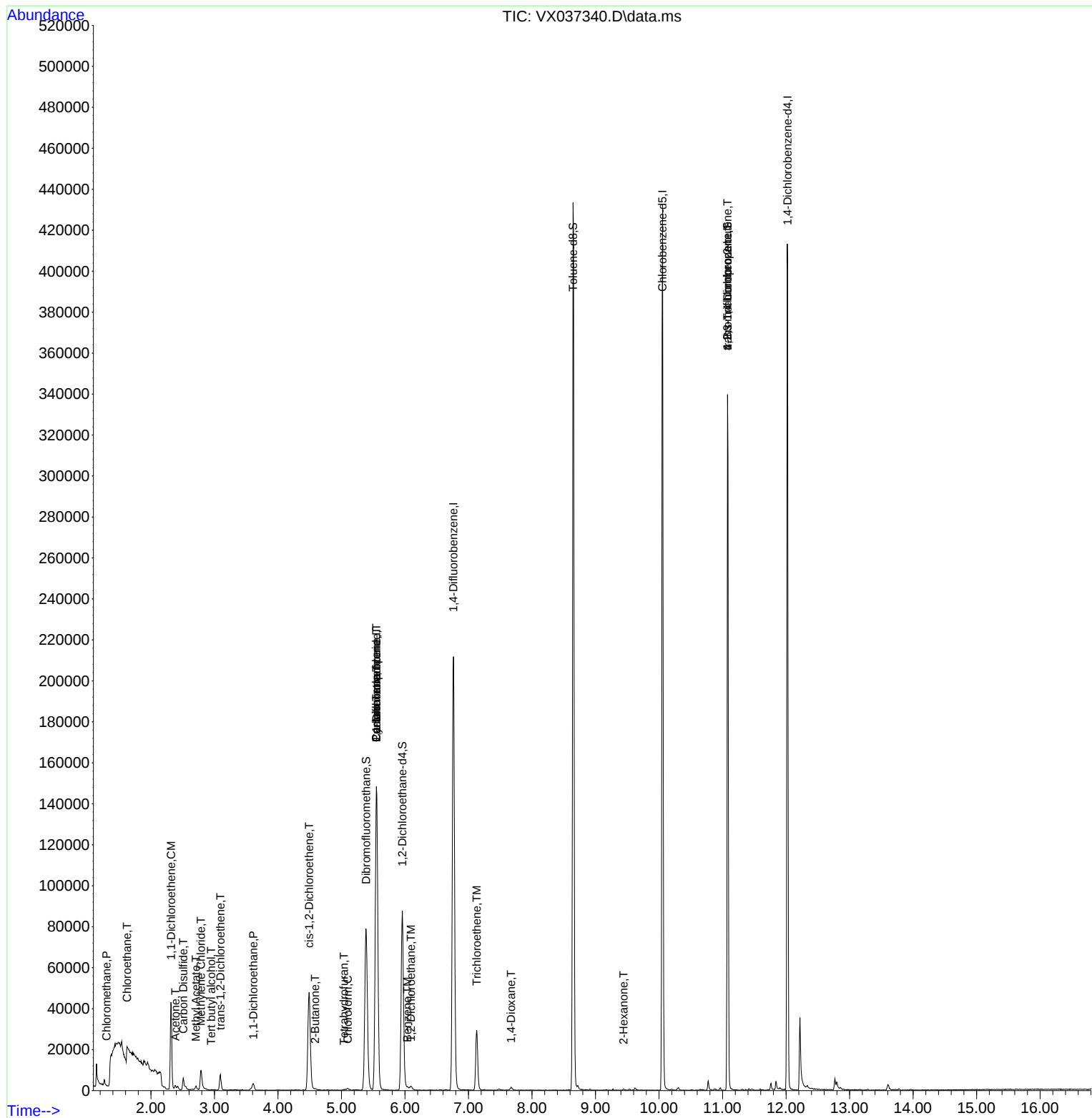
Internal Standards						
1) Pentafluorobenzene	5.550	168	140066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84570	41.881	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.760%
35) Dibromofluoromethane	5.385	113	70293	46.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.560%
50) Toluene-d8	8.647	98	266083	48.292	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	11.079	95	95040	43.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	358	0.252	ug/l #	43
6) Chloroethane	1.624	64	23980	26.301	ug/l #	50
11) Tert butyl alcohol	2.946	59	102	0.215	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	15249	10.576	ug/l	83
16) Acetone	2.386	43	2408	3.048	ug/l	92
17) Carbon Disulfide	2.508	76	7877	2.148	ug/l	98
18) Methyl Acetate	2.709	43	1961	0.659	ug/l #	83
20) Methylene Chloride	2.788	84	6250	3.538	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	3155	1.925	ug/l	86
24) 1,1-Dichloroethane	3.611	63	3744	1.304	ug/l	95
25) 2-Butanone	4.586	43	1081	0.909	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	32392	16.764	ug/l	81
29) Tetrahydrofuran	5.038	42	169	0.223	ug/l #	44
30) Chloroform	5.099	83	1083	0.336	ug/l #	62
31) Cyclohexane	5.550	56	2644	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10844	5.025	ug/l #	52
38) Carbon Tetrachloride	5.550	117	14782	6.306	ug/l #	15
40) Benzene	6.037	78	1774	0.287	ug/l	91
42) 1,2-Dichloroethane	6.092	62	2295	0.946	ug/l	96
44) Trichloroethene	7.129	130	12099	6.894	ug/l	99
49) 1,4-Dioxane	7.671	88	1050	22.842	ug/l #	91
59) 2-Hexanone	9.439	43	662	0.409	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	46880	25.382	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46880	70.892	ug/l #	5

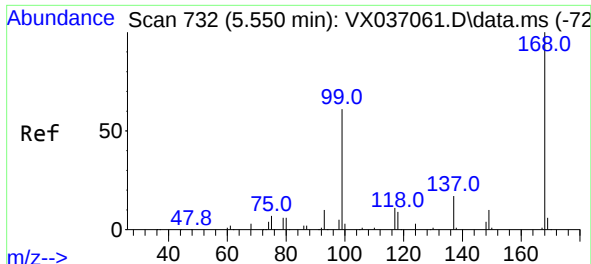
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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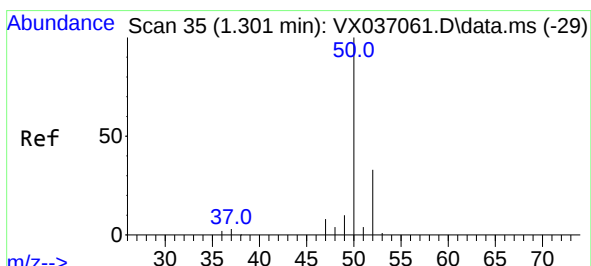
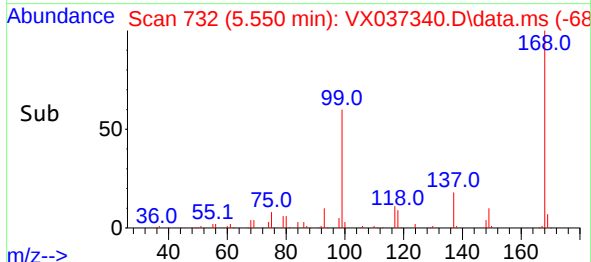
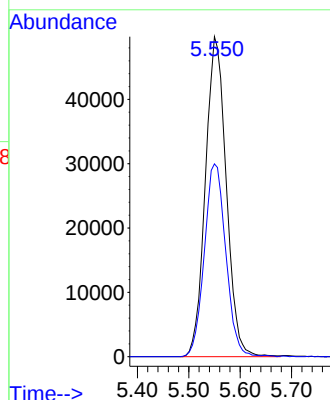
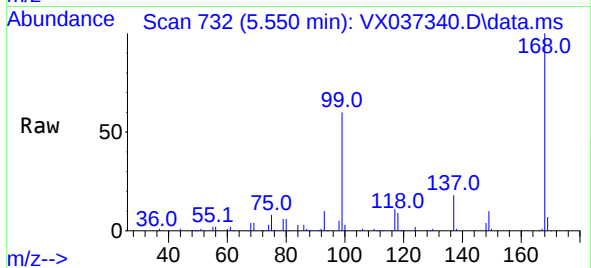




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

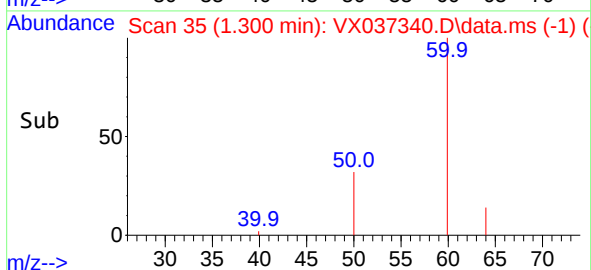
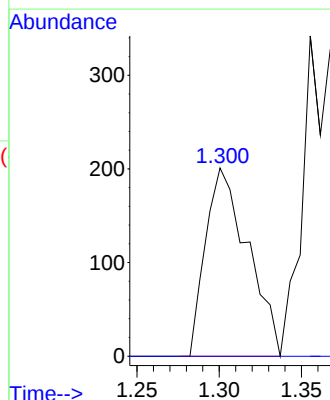
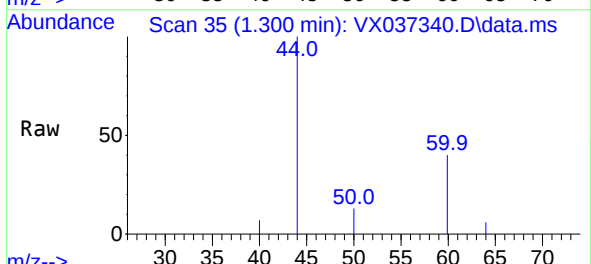
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

Tgt Ion:168 Resp: 140066
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0

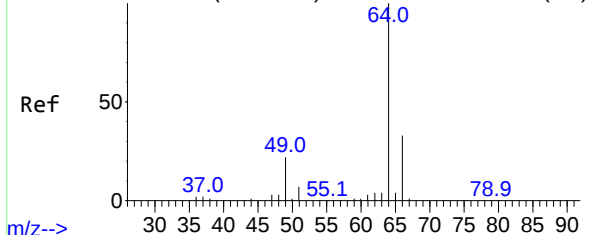


#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 50 Resp: 358
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



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

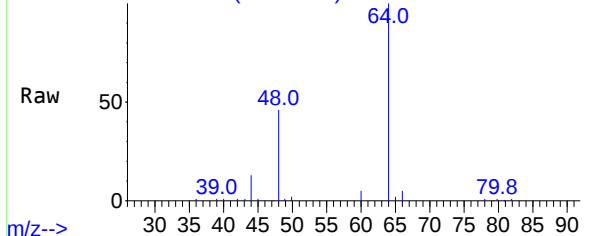


#6
Chloroethane
Concen: 26.301 ug/l
RT: 1.624 min Scan# 81
Delta R.T. -0.048 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

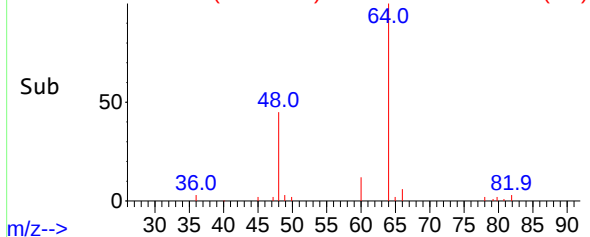
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

Tgt Ion: 64 Resp: 23980
Ion Ratio Lower Upper
64 100
66 3.5 25.1 37.7#

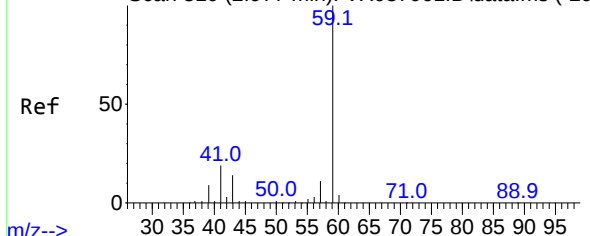
Abundance Scan 88 (1.624 min): VX037340.D\data.ms



Abundance Scan 88 (1.624 min): VX037340.D\data.ms (-47)



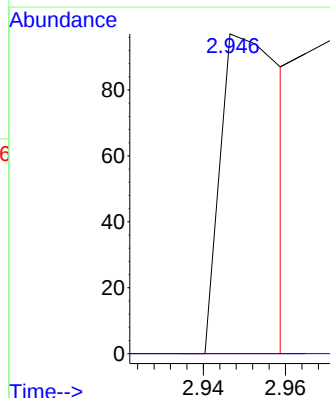
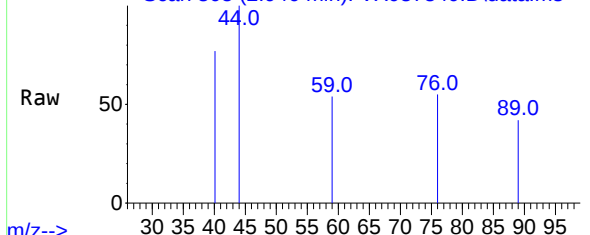
Abundance Scan 310 (2.977 min): VX037061.D\data.ms (-29)



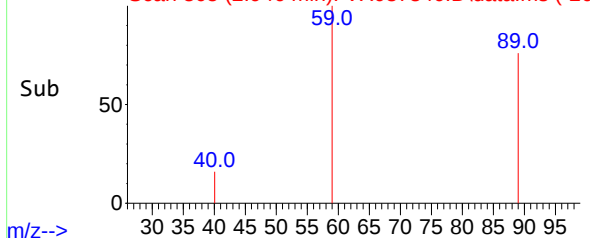
#11
Tert butyl alcohol
Concen: 0.215 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

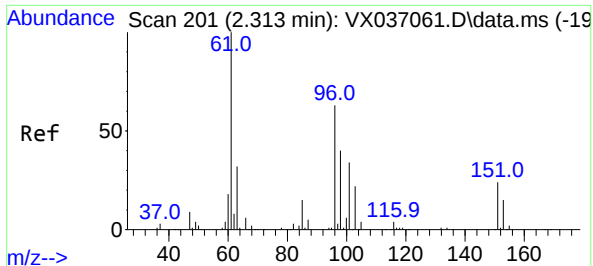
Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

Abundance Scan 305 (2.946 min): VX037340.D\data.ms



Abundance Scan 305 (2.946 min): VX037340.D\data.ms (-26)





#12

1,1-Dichloroethene

Concen: 10.576 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX037340.D

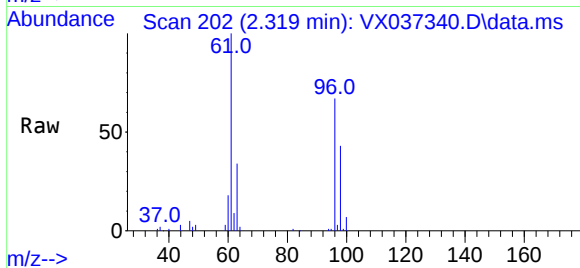
Acq: 29 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

OW-06B-79-082823-H



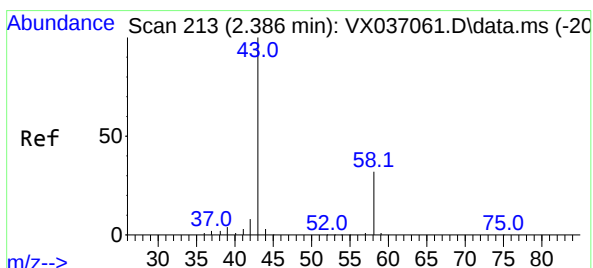
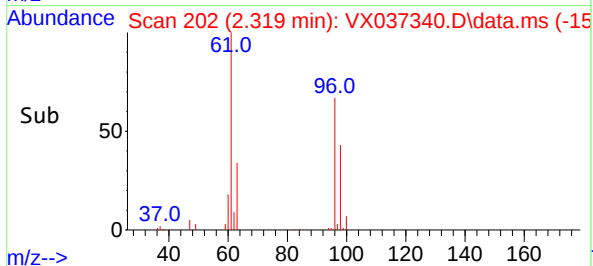
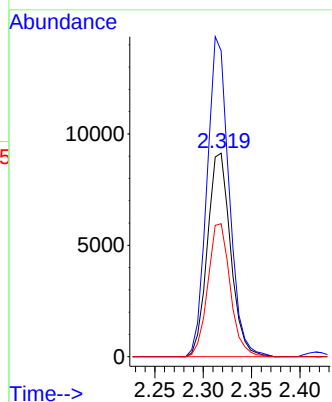
Tgt Ion: 96 Resp: 15249

Ion Ratio Lower Upper

96 100

61 150.2 144.6 216.8

98 65.3 50.4 75.6



#16

Acetone

Concen: 3.048 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037340.D

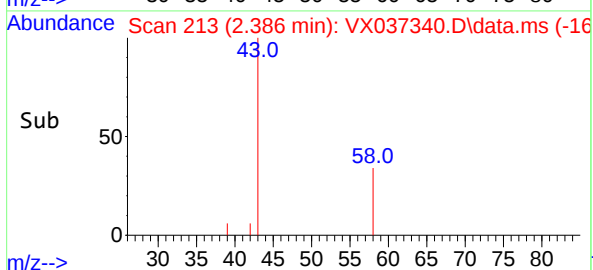
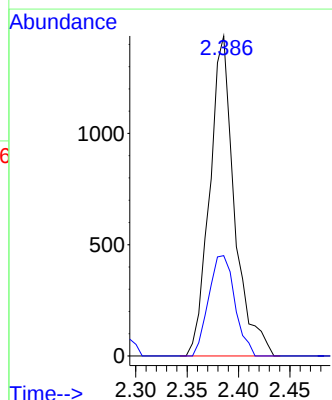
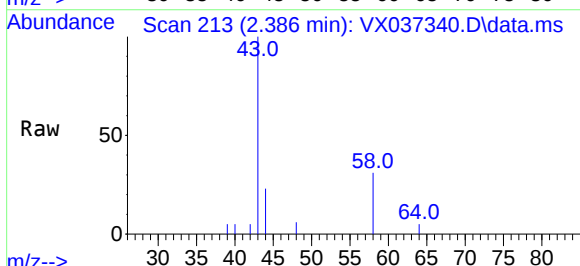
Acq: 29 Aug 2023 14:27

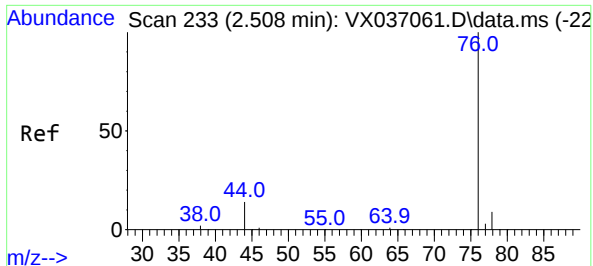
Tgt Ion: 43 Resp: 2408

Ion Ratio Lower Upper

43 100

58 31.4 21.9 32.9

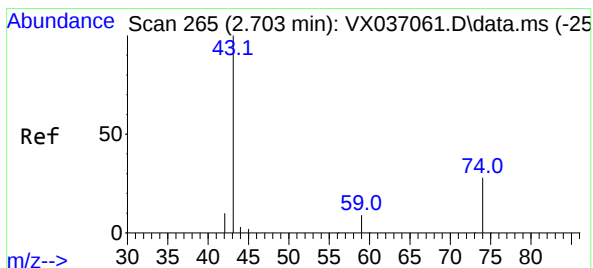
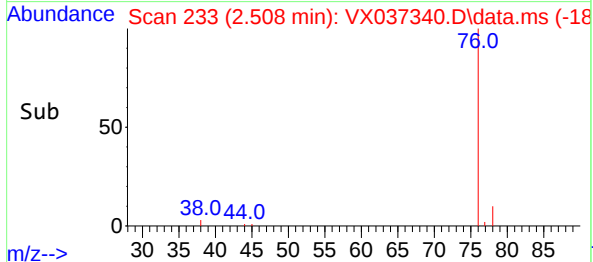
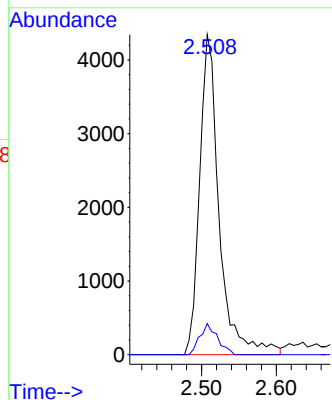
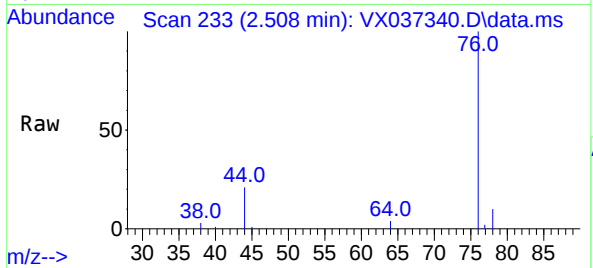




#17
Carbon Disulfide
Concen: 2.148 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

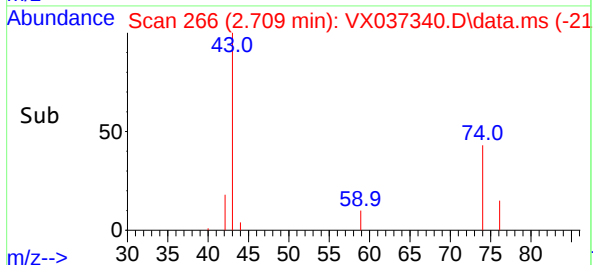
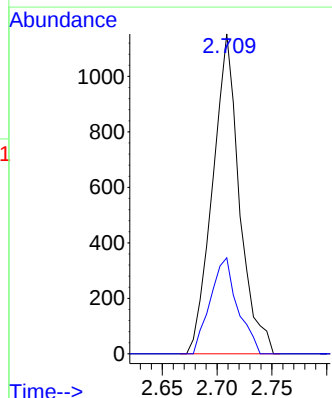
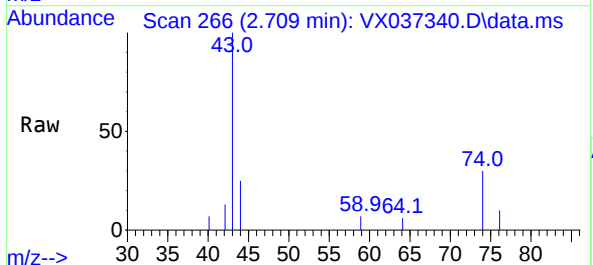
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

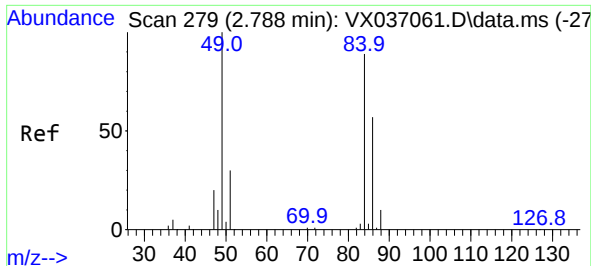
Tgt Ion: 76 Resp: 7877
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 0.659 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
74 30.6 17.8 26.8#



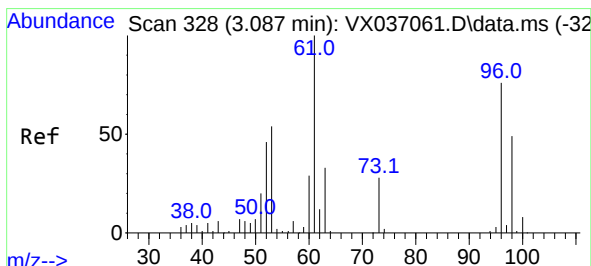
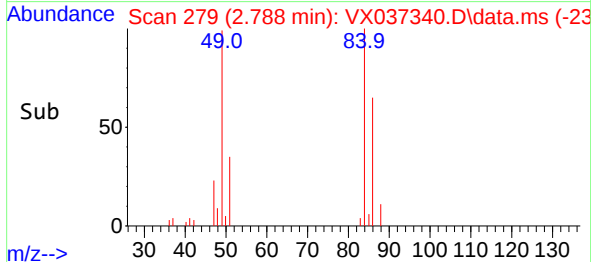
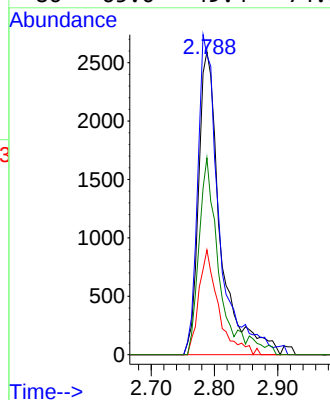
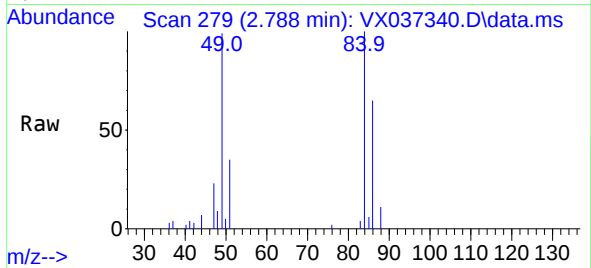


#20
Methylene Chloride
Concen: 3.538 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

Tgt Ion: 84 Resp: 6250

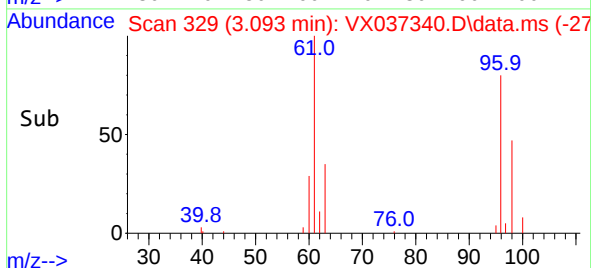
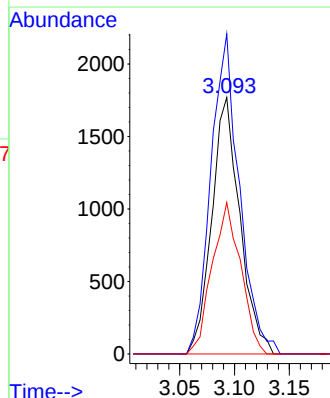
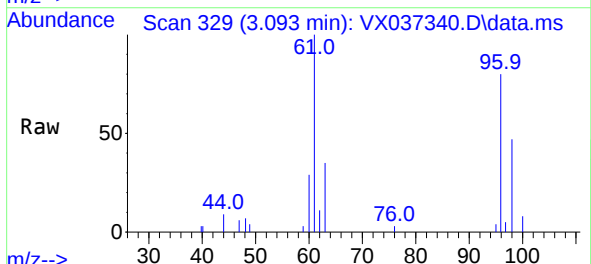
Ion	Ratio	Lower	Upper
84	100		
49	98.9	103.6	155.4#
51	34.6	33.8	50.6
86	65.0	49.4	74.0

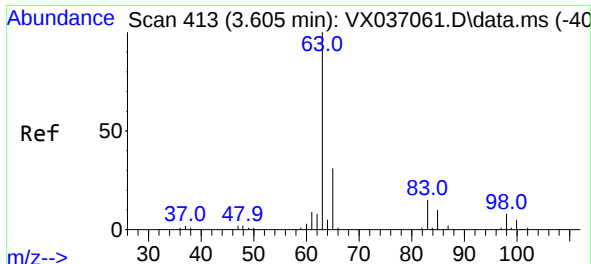


#21
trans-1,2-Dichloroethene
Concen: 1.925 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 96 Resp: 3155

Ion	Ratio	Lower	Upper
96	100		
61	124.8	119.2	178.8
98	59.0	48.7	73.1

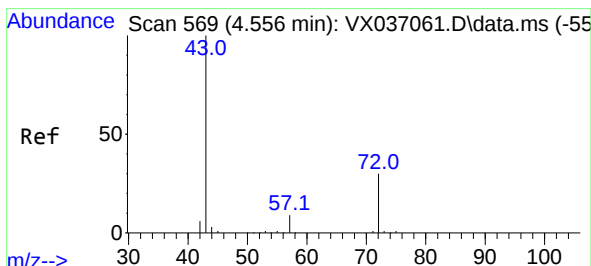
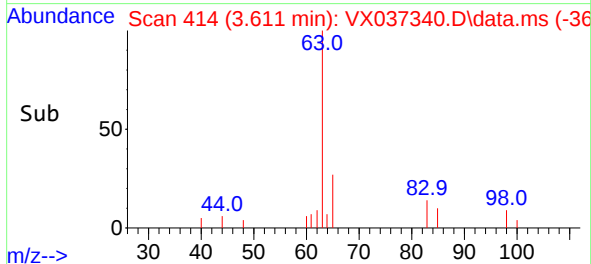
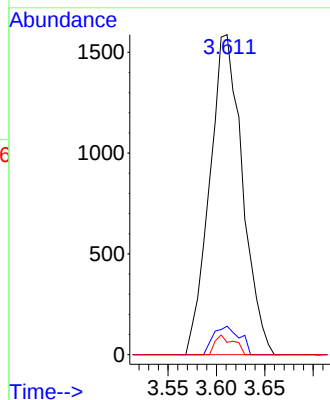
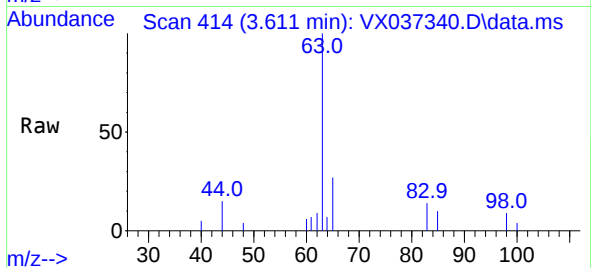




#24
1,1-Dichloroethane
Concen: 1.304 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

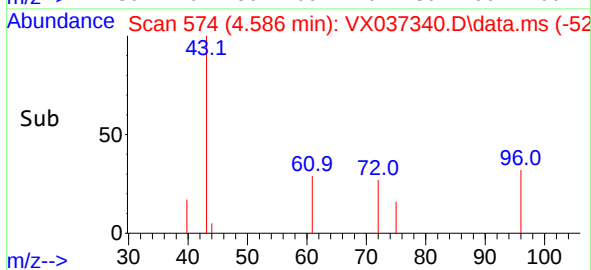
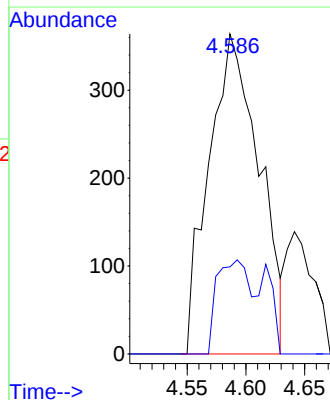
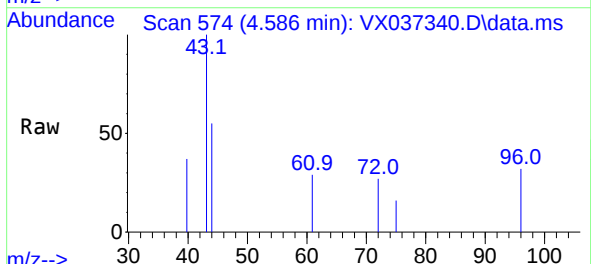
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

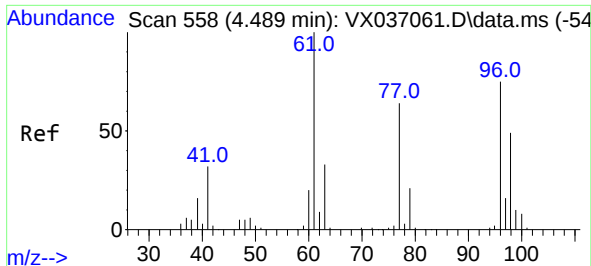
Tgt Ion: 63	Resp:	3744
Ion Ratio	Lower	Upper
63	100	
98	8.9	3.3 9.8
100	3.8	2.1 6.5



#25
2-Butanone
Concen: 0.909 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 43	Resp:	1081
Ion Ratio	Lower	Upper
43	100	
72	27.2	19.4 29.2

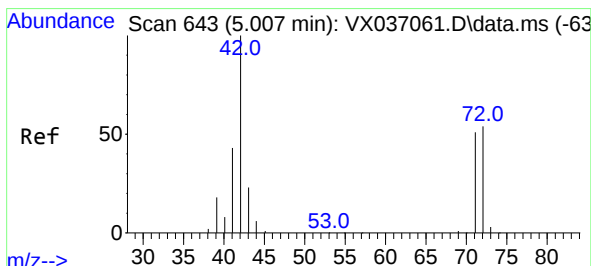
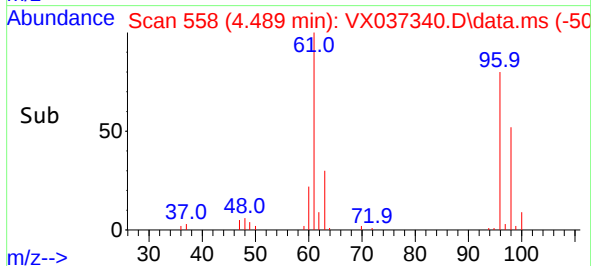
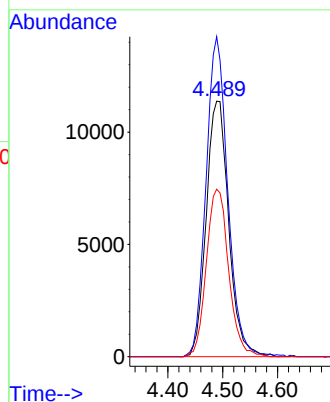
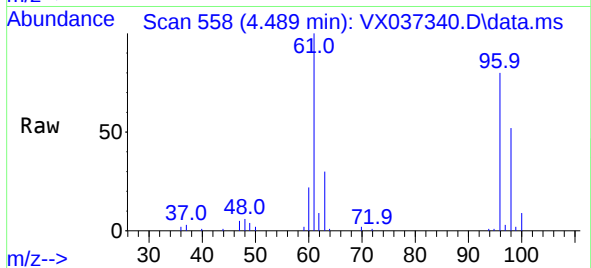




#27
cis-1,2-Dichloroethene
Concen: 16.764 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

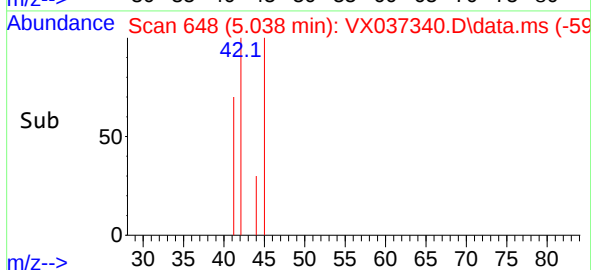
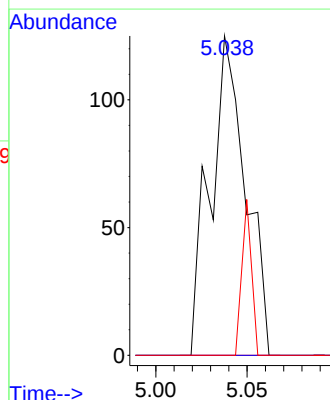
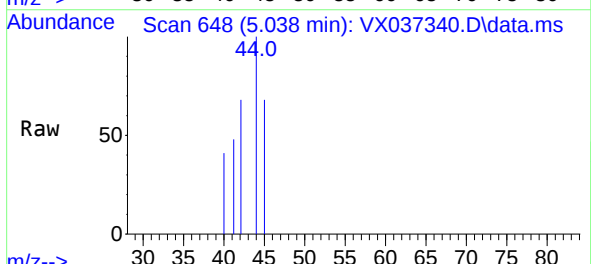
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

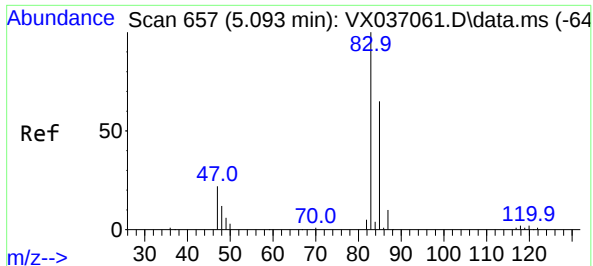
Tgt Ion:	96	Resp:	32392
Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	312.2
98	65.0	0.0	129.0



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion:	42	Resp:	169
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	13.0	32.2	48.2#





#30

Chloroform

Concen: 0.336 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037340.D

Acq: 29 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

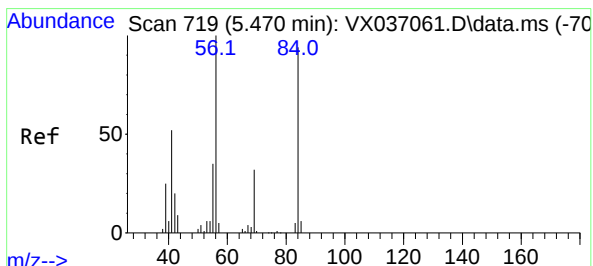
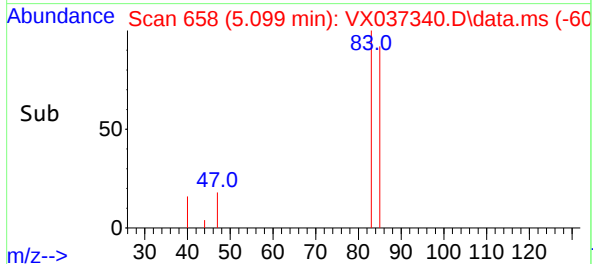
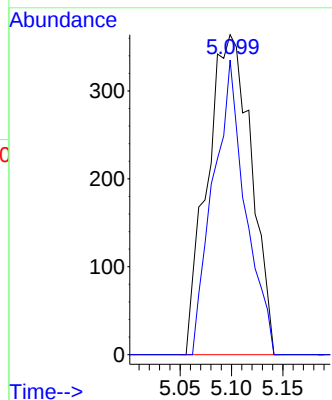
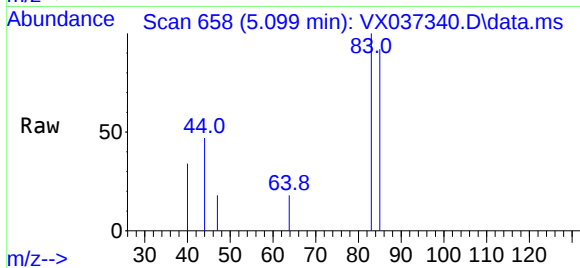
OW-06B-79-082823-H

Tgt Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

85 92.0 50.3 75.5#



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037340.D

Acq: 29 Aug 2023 14:27

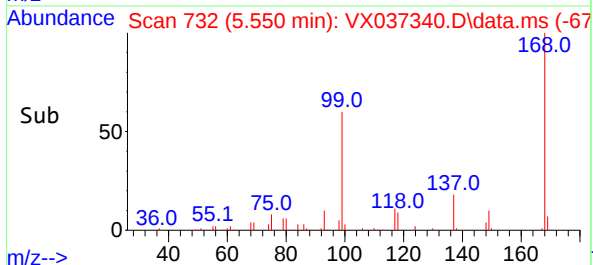
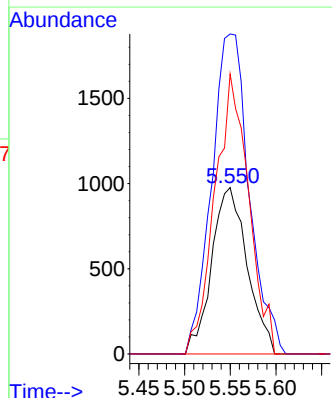
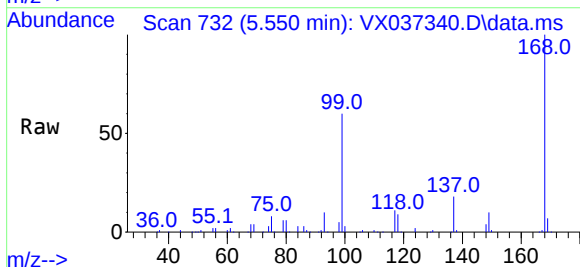
Tgt Ion: 56 Resp: 2644

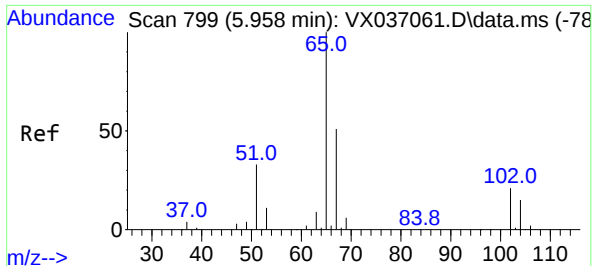
Ion Ratio Lower Upper

56 100

69 192.2 23.4 35.2#

84 168.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.881 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037340.D

Acq: 29 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

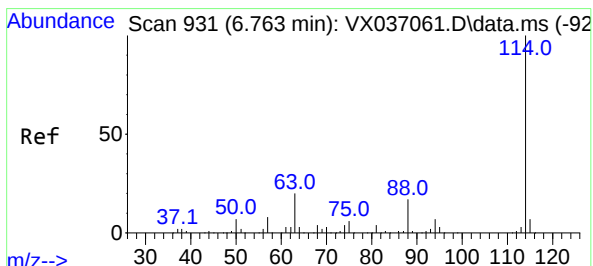
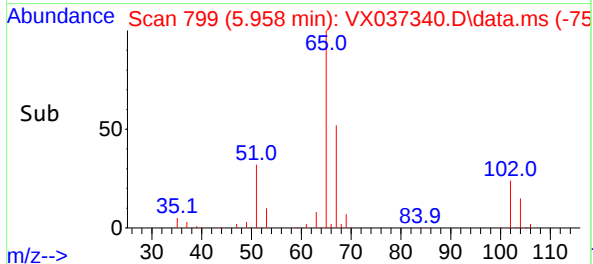
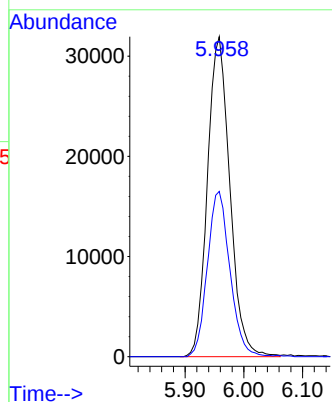
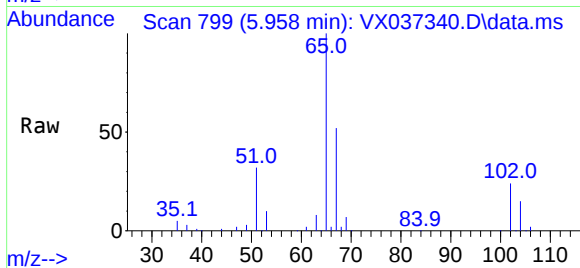
OW-06B-79-082823-H

Tgt Ion: 65 Resp: 84570

Ion Ratio Lower Upper

65 100

67 52.2 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: VX037340.D

Acq: 29 Aug 2023 14:27

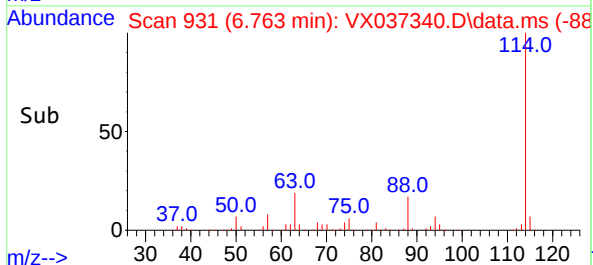
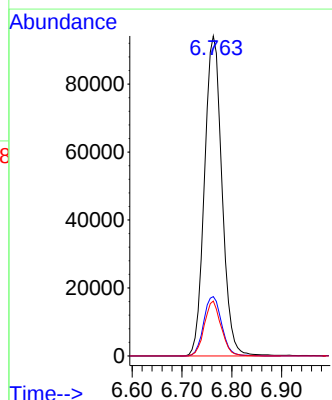
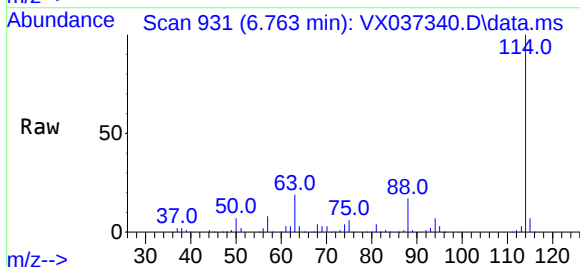
Tgt Ion: 114 Resp: 229358

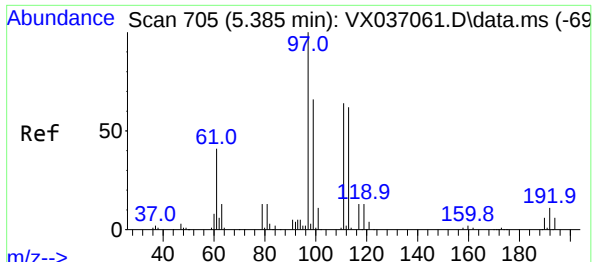
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

88 17.2 0.0 36.6



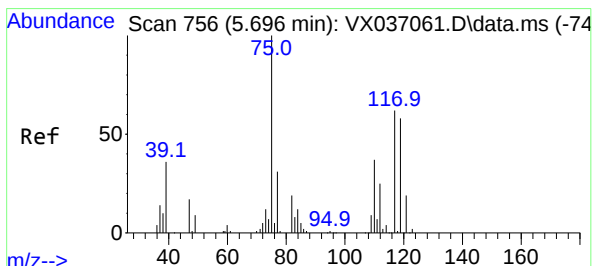
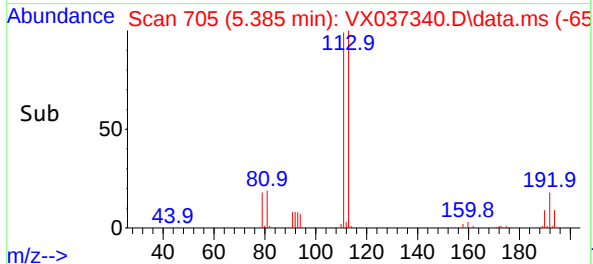
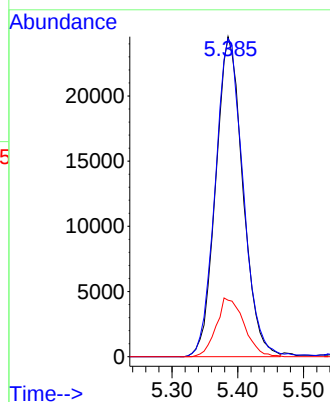
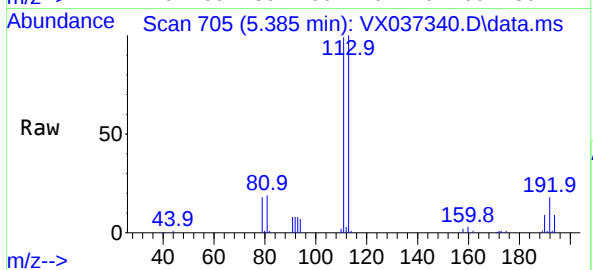


#35
Dibromofluoromethane
Concen: 46.276 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

Tgt Ion:113 Resp: 70293

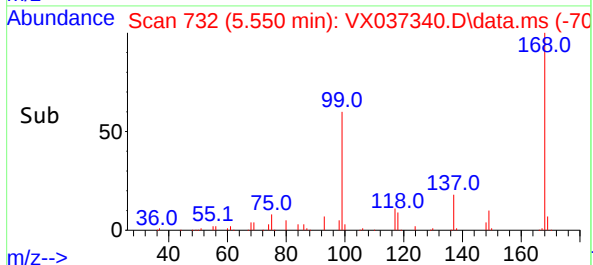
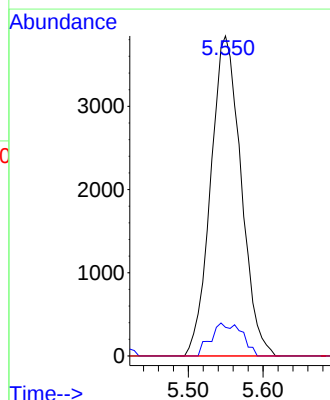
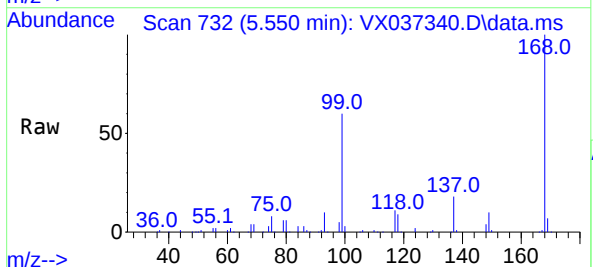
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.8	13.3	19.9

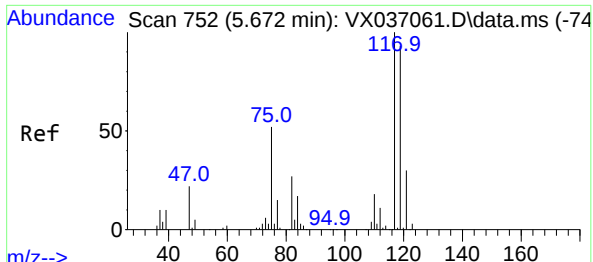


#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 75 Resp: 10844

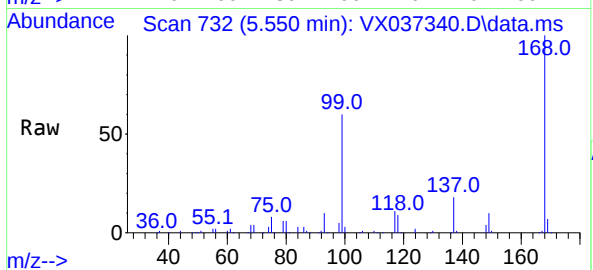
Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.0	50.9#
77	0.0	24.7	37.1#



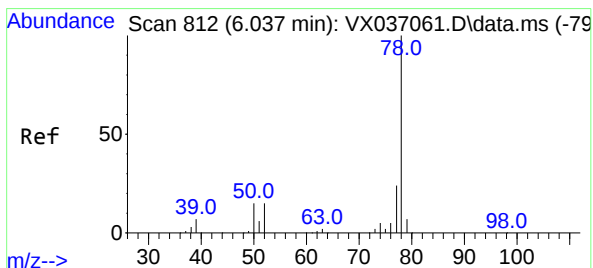
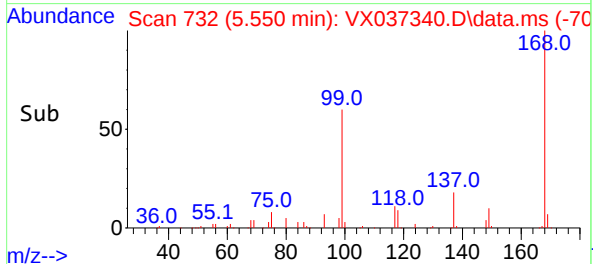
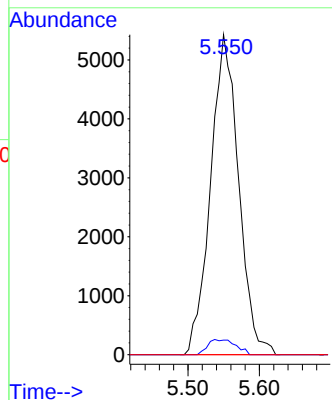


#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

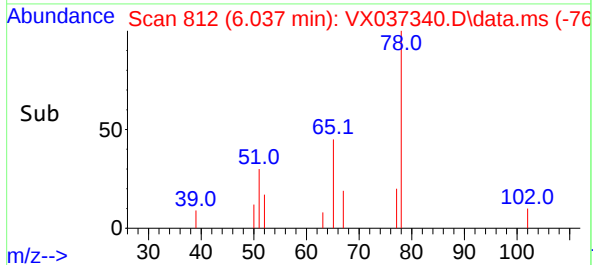
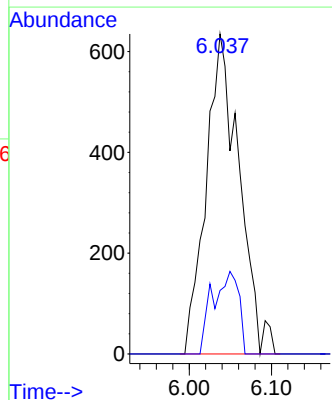
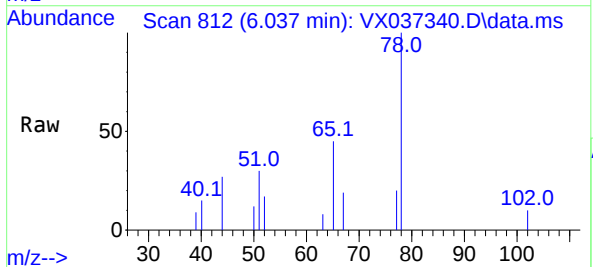


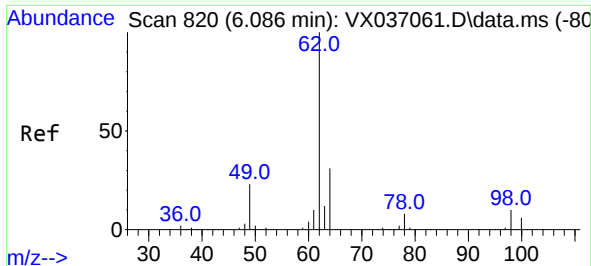
Tgt Ion:117 Resp: 14782
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.287 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 78 Resp: 1774
Ion Ratio Lower Upper
78 100
77 19.8 19.3 28.9

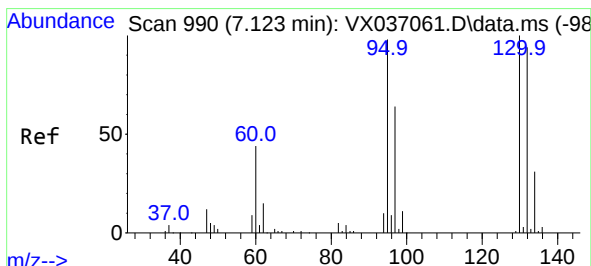
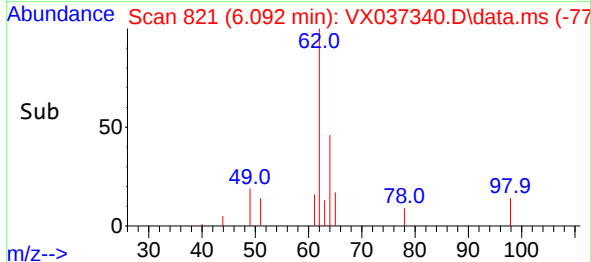
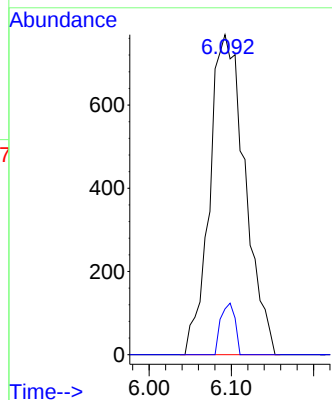
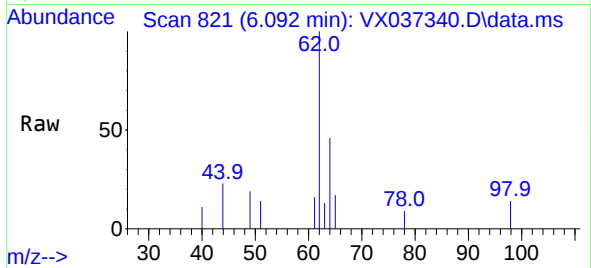




#42
1,2-Dichloroethane
Concen: 0.946 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

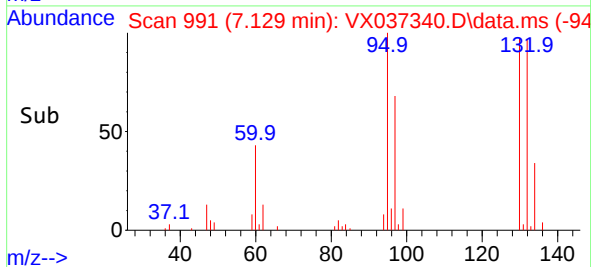
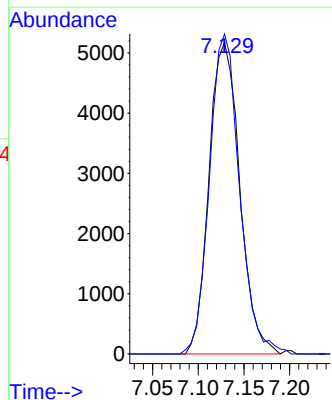
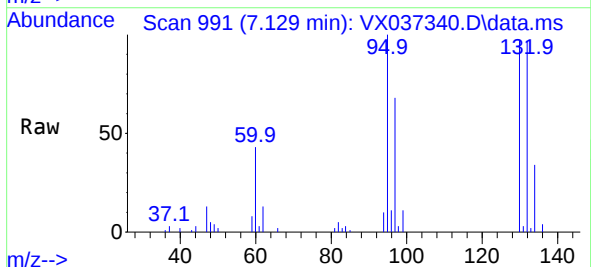
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

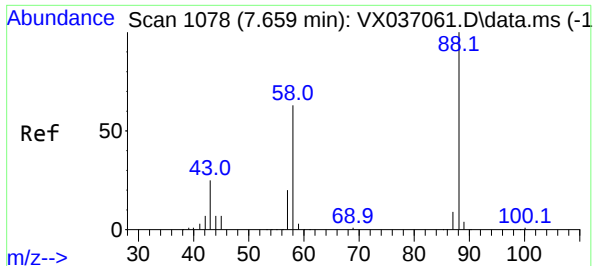
Tgt Ion: 62 Resp: 2295
Ion Ratio Lower Upper
62 100
98 6.5 0.0 16.0



#44
Trichloroethene
Concen: 6.894 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion:130 Resp: 12099
Ion Ratio Lower Upper
130 100
95 102.8 0.0 204.4





#49

1,4-Dioxane

Concen: 22.842 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX037340.D

Acq: 29 Aug 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

OW-06B-79-082823-H

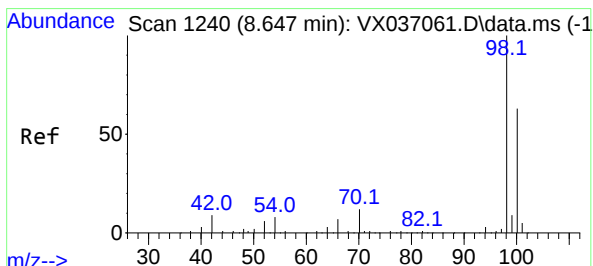
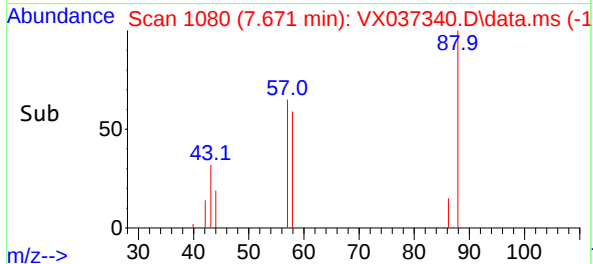
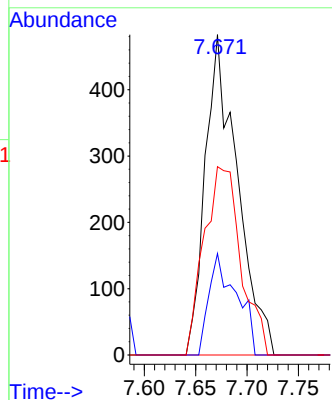
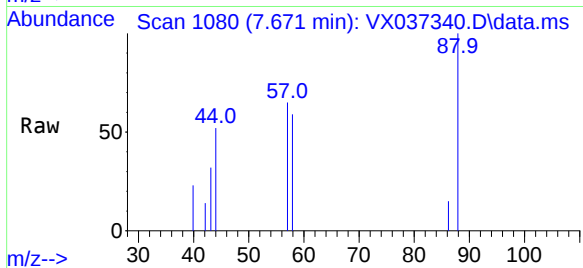
Tgt Ion: 88 Resp: 1050

Ion Ratio Lower Upper

88 100

43 27.1 0.0 0.0#

58 67.4 60.1 90.1



#50

Toluene-d8

Concen: 48.292 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037340.D

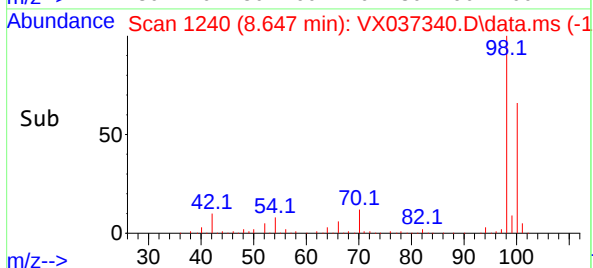
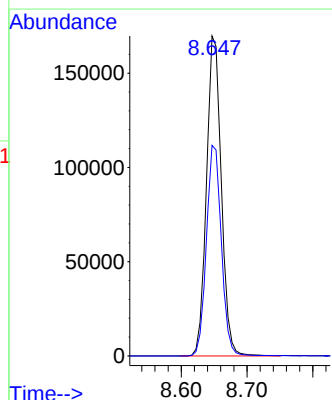
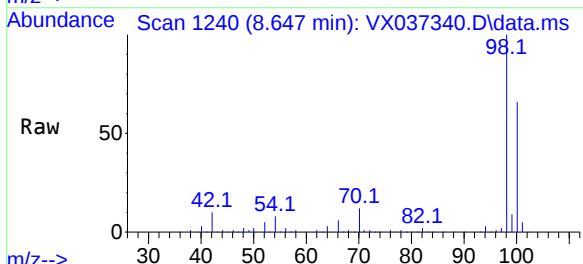
Acq: 29 Aug 2023 14:27

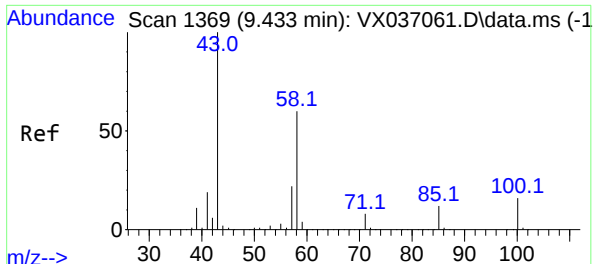
Tgt Ion: 98 Resp: 266083

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

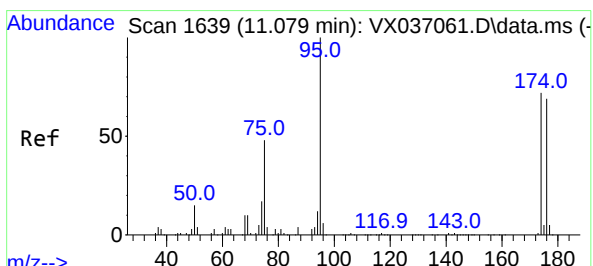
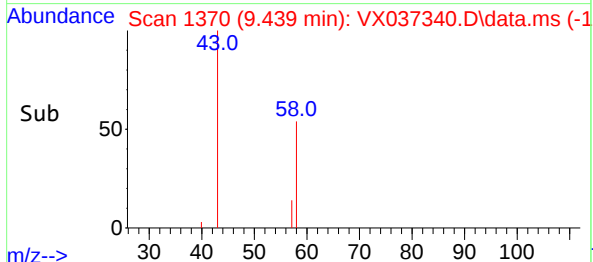
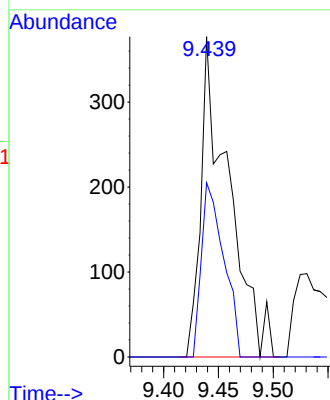
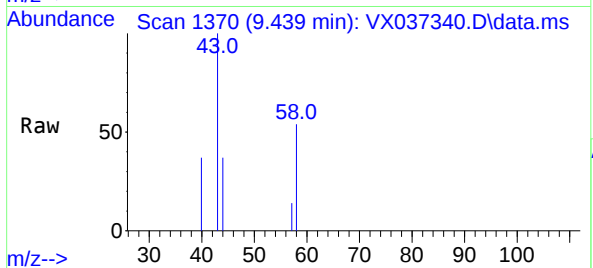




#59
2-Hexanone
Concen: 0.409 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

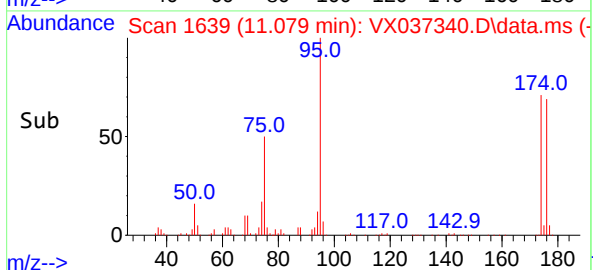
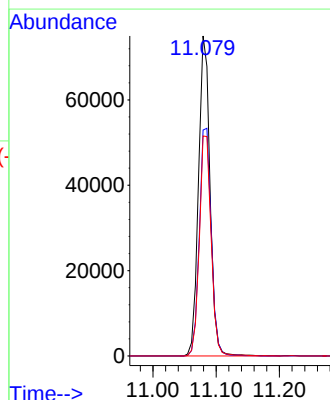
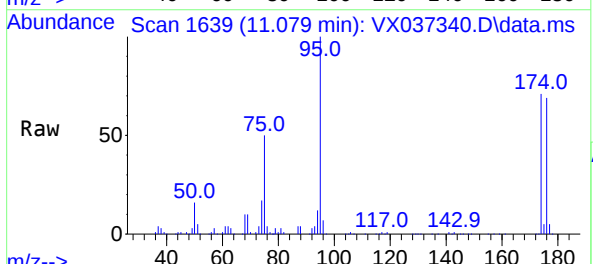
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

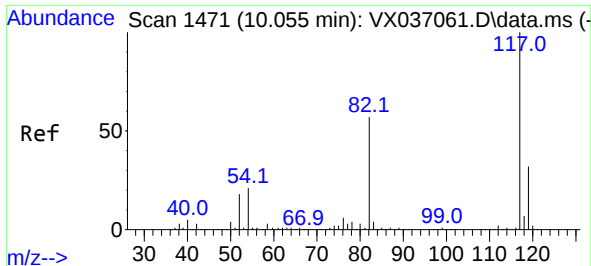
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 44.0 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 43.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 95 Resp: 95040
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.6
176 70.6 0.0 131.0

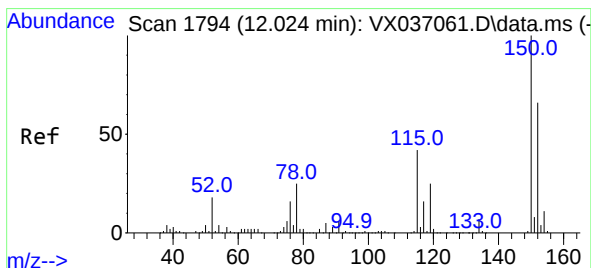
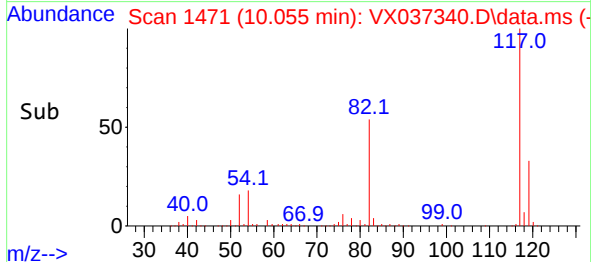
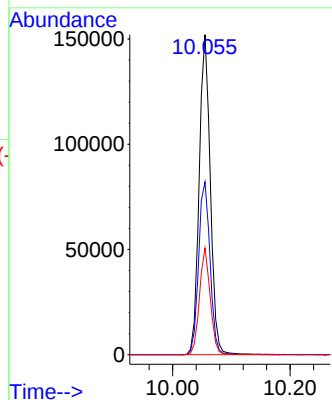
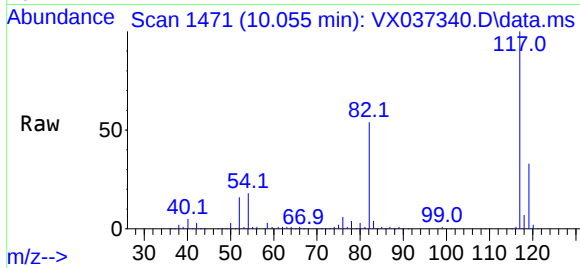




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

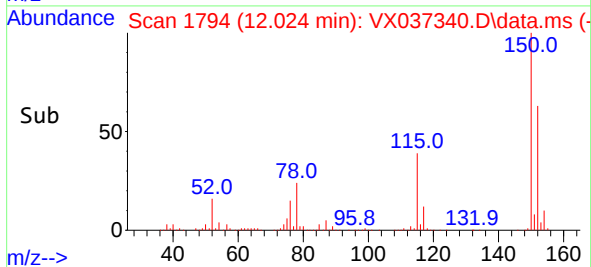
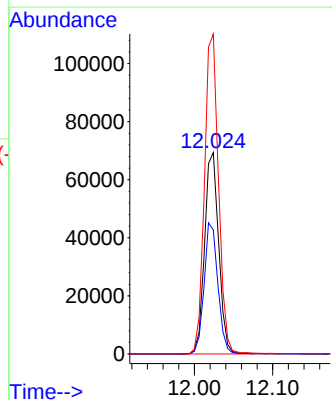
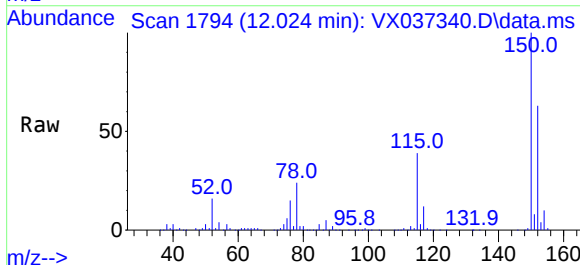
Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

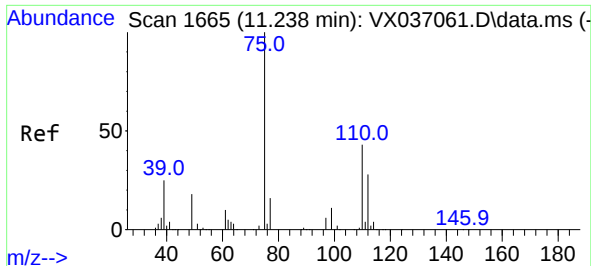
Tgt Ion:117 Resp: 199458
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion:152 Resp: 86727
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 158.0 0.0 345.0

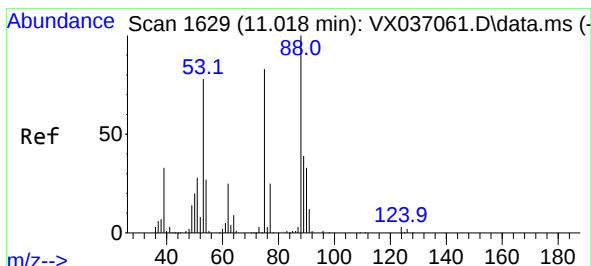
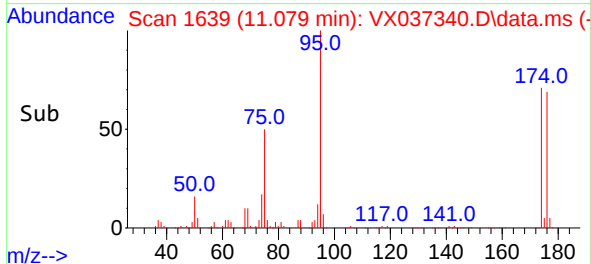
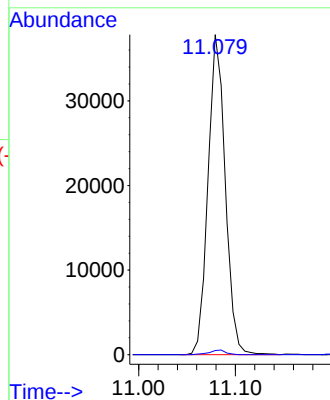
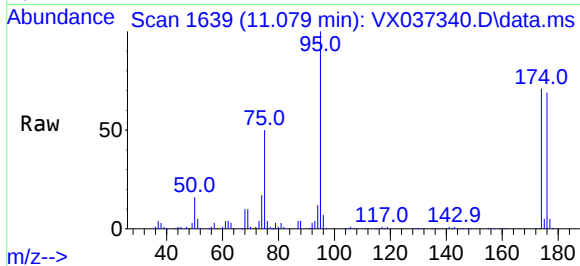




#76
1,2,3-Trichloropropane
Concen: 25.382 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :
OW-06B-79-082823-H

Tgt Ion: 75 Resp: 46880
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037340.D
Acq: 29 Aug 2023 14:27

Tgt Ion: 75 Resp: 46880
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

