

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037339.D
 Acq On : 29 Aug 2023 14:02
 Operator : JC/MD
 Sample : 04207-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-082823-H

Quant Time: Aug 30 02:06:34 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)

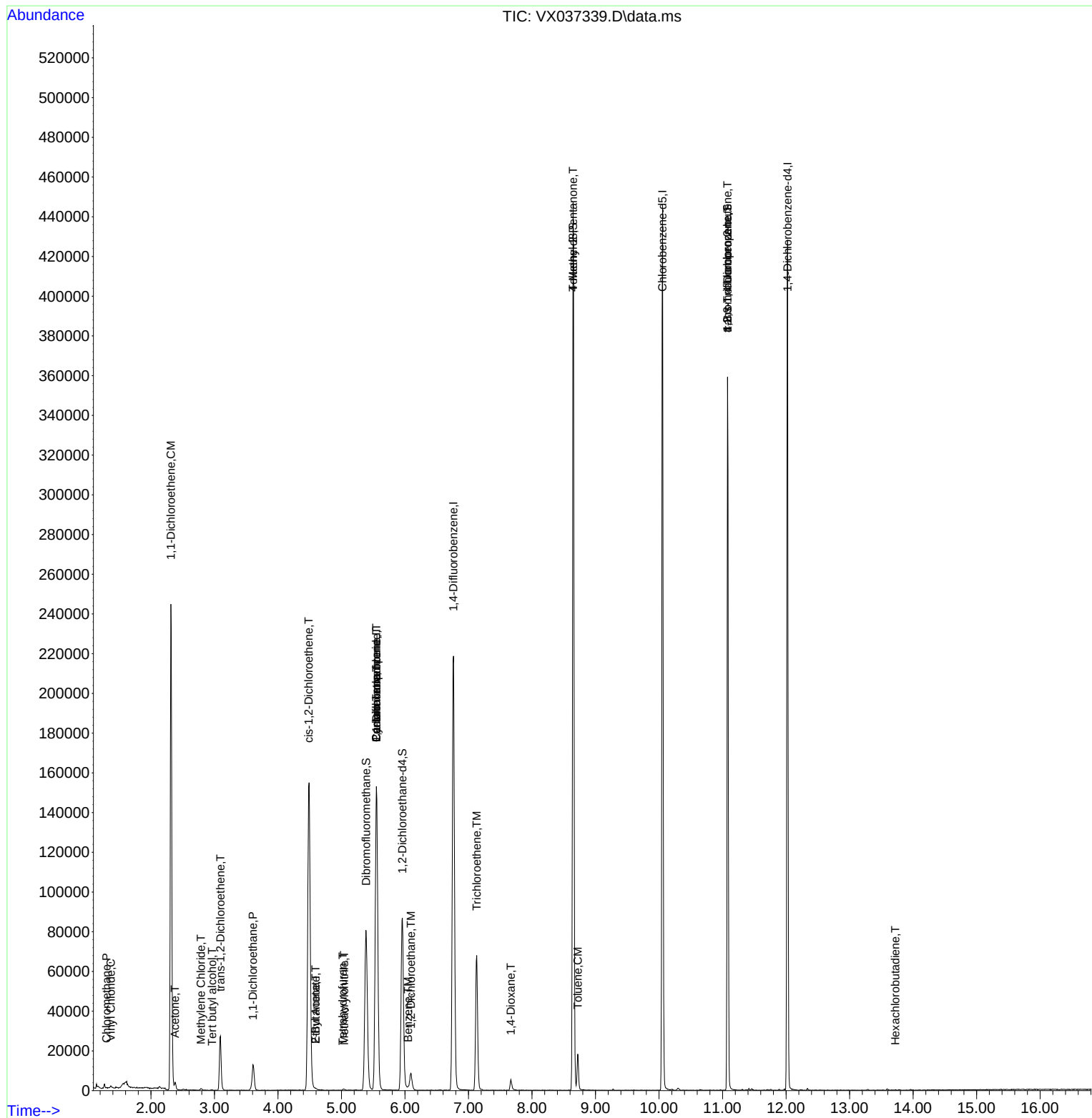
Internal Standards						
1) Pentafluorobenzene	5.550	168	143623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86799	41.920	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.840%
35) Dibromofluoromethane	5.385	113	71280	46.020	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.040%
50) Toluene-d8	8.647	98	272662	48.530	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	99678	45.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	320	0.219	ug/l #	43
4) Vinyl Chloride	1.367	62	667	0.420	ug/l	97
11) Tert butyl alcohol	2.965	59	115	0.237	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	85173	57.609	ug/l	87
16) Acetone	2.379	43	3712	4.583	ug/l #	86
20) Methylene Chloride	2.788	84	413	0.228	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	11909	7.086	ug/l	87
24) 1,1-Dichloroethane	3.605	63	14234	4.834	ug/l	95
25) 2-Butanone	4.593	43	839	0.688	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	105630	53.313	ug/l	79
29) Tetrahydrofuran	5.019	42	244	0.314	ug/l #	76
31) Cyclohexane	5.550	56	2595	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11150	5.067	ug/l #	51
37) Ethyl Acetate	4.593	43	839	0.373	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15393	6.439	ug/l #	15
40) Benzene	6.050	78	1764	0.280	ug/l	97
41) Methacrylonitrile	5.044	41	285	0.244	ug/l #	31
42) 1,2-Dichloroethane	6.092	62	9944	4.018	ug/l	94
44) Trichloroethene	7.129	130	28104	15.704	ug/l	88
49) 1,4-Dioxane	7.665	88	4473	95.428	ug/l #	89
51) 4-Methyl-2-Pentanone	8.647	43	1025	0.473	ug/l #	1
52) Toluene	8.720	92	7195	1.725	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	49243	25.141	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49243	70.221	ug/l #	5
94) Hexachlorobutadiene	13.719	225	138	0.204	ug/l #	28

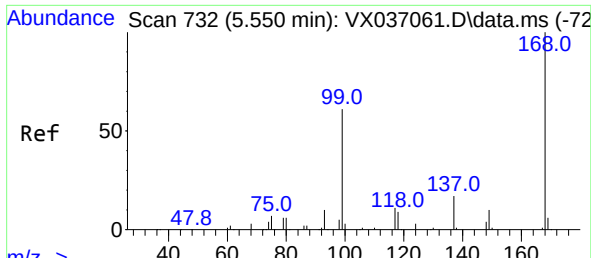
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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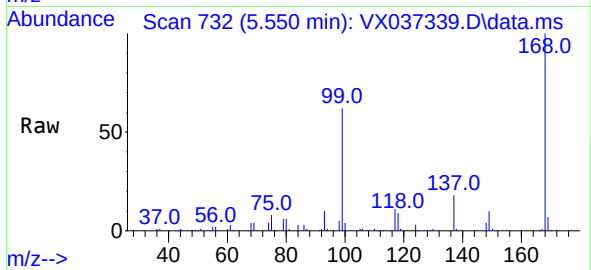
Quant Time: Aug 30 02:06:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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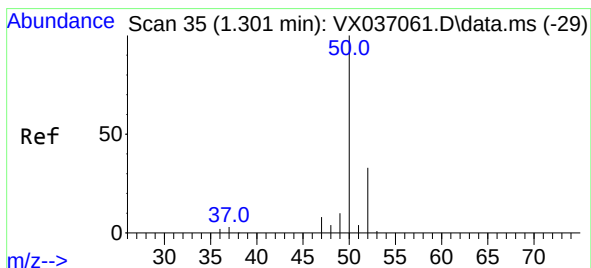
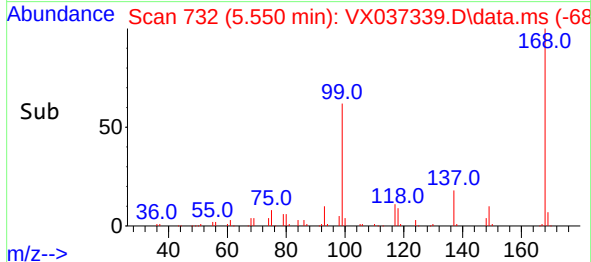
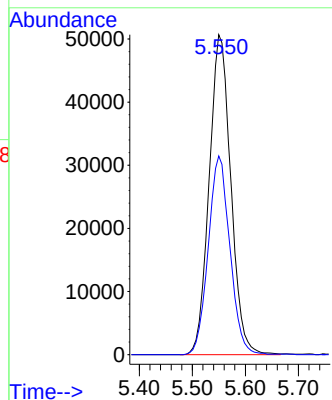


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

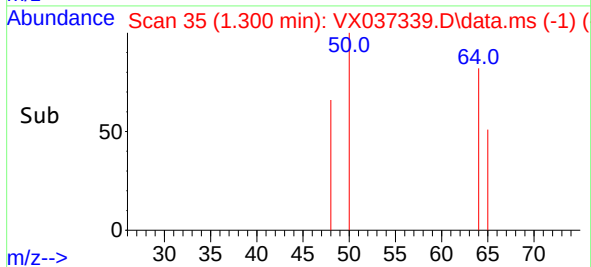
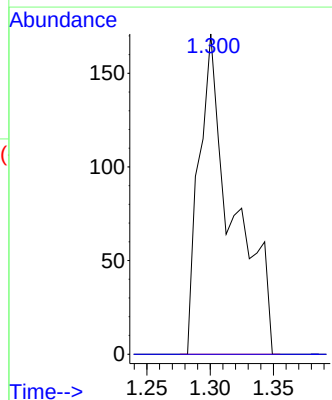
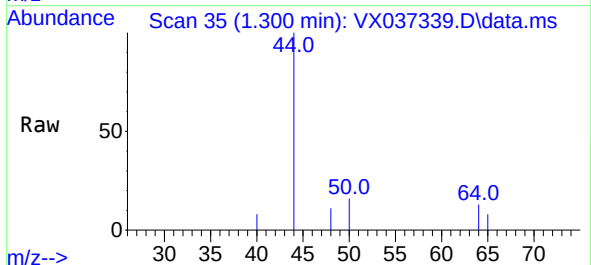


Tgt Ion:168 Resp: 143623
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0

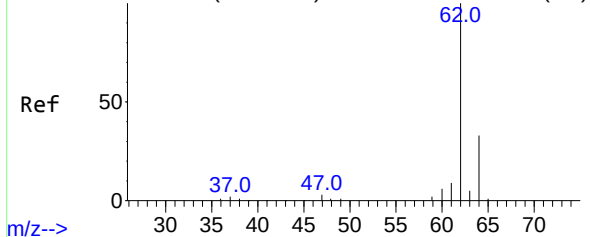


#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 50 Resp: 320
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



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



#4

Vinyl Chloride

Concen: 0.420 ug/l

RT: 1.367 min Scan# 4

Delta R.T. -0.006 min

Lab File: VX037339.D

Acq: 29 Aug 2023 14:02

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-082823-H

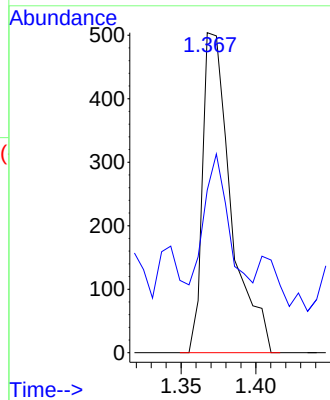
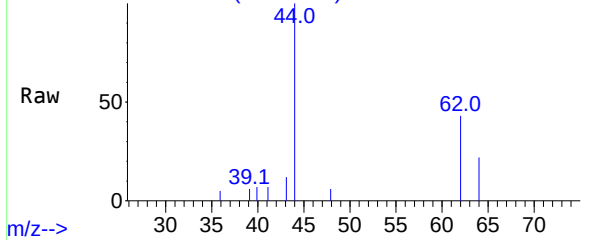
Tgt Ion: 62 Resp: 667

Ion Ratio Lower Upper

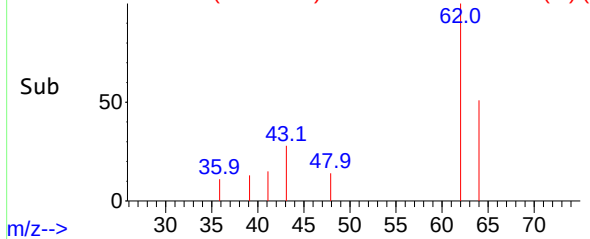
62 100

64 29.8 25.4 38.0

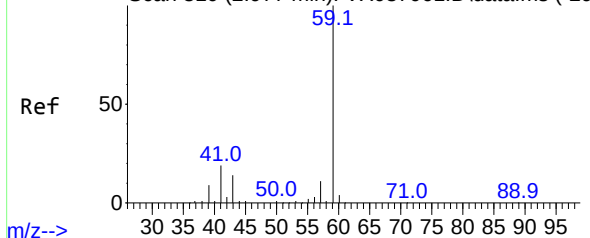
Abundance Scan 46 (1.367 min): VX037339.D\data.ms



Abundance Scan 46 (1.367 min): VX037339.D\data.ms (-1)



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



#11

Tert butyl alcohol

Concen: 0.237 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX037339.D

Acq: 29 Aug 2023 14:02

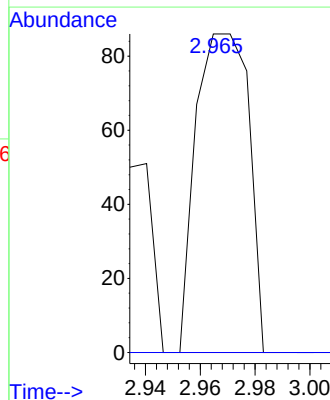
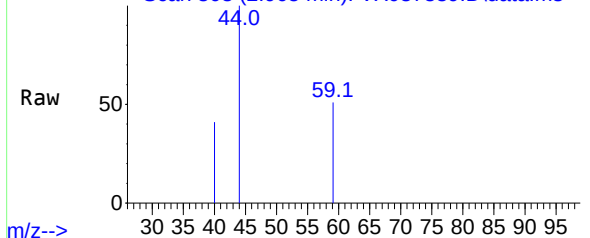
Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

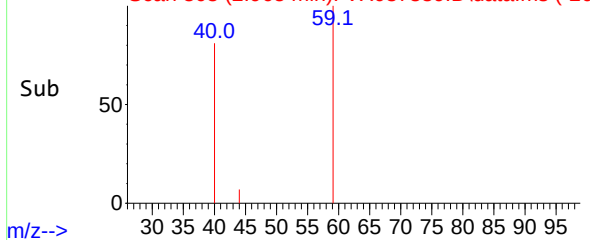
59 100

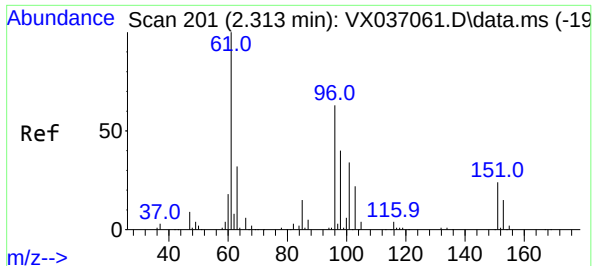
57 0.0 6.0 9.0#

Abundance Scan 308 (2.965 min): VX037339.D\data.ms



Abundance Scan 308 (2.965 min): VX037339.D\data.ms (-26)

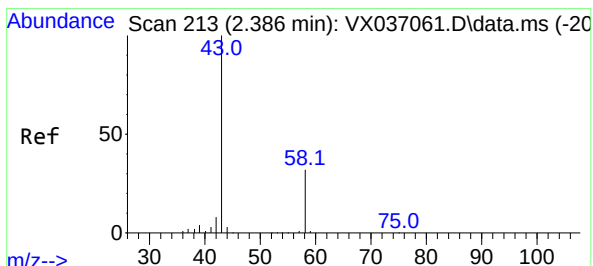
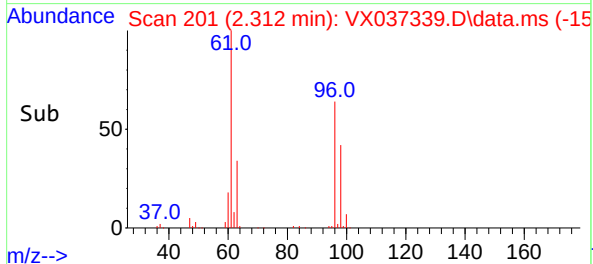
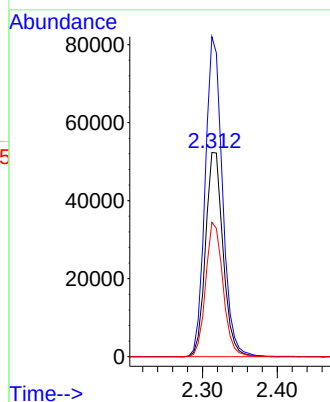
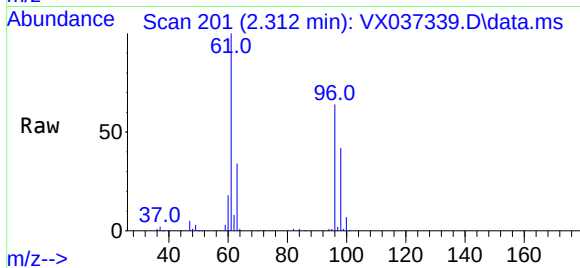




#12
1,1-Dichloroethene
Concen: 57.609 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

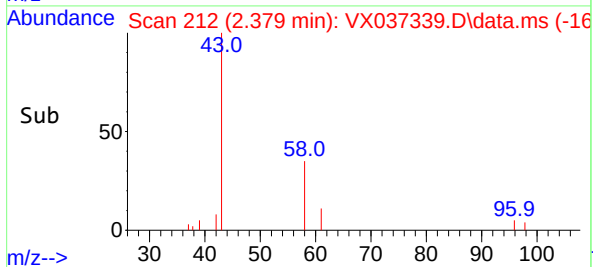
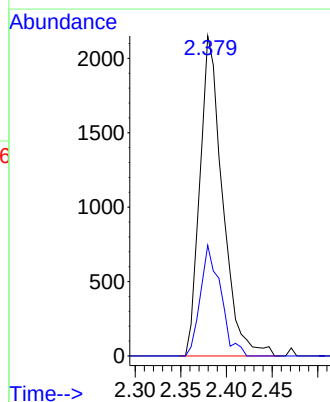
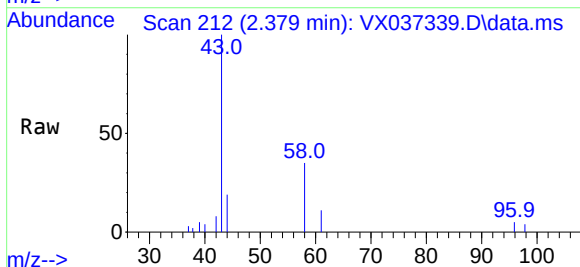
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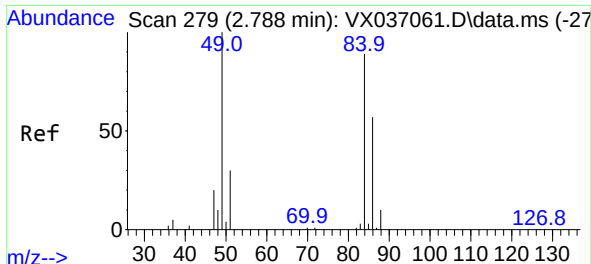
Tgt Ion: 96 Resp: 85173
Ion Ratio Lower Upper
96 100
61 156.8 144.6 216.8
98 65.8 50.4 75.6



#16
Acetone
Concen: 4.583 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 43 Resp: 3712
Ion Ratio Lower Upper
43 100
58 34.6 21.9 32.9#



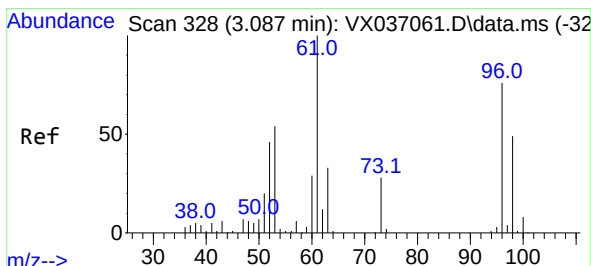
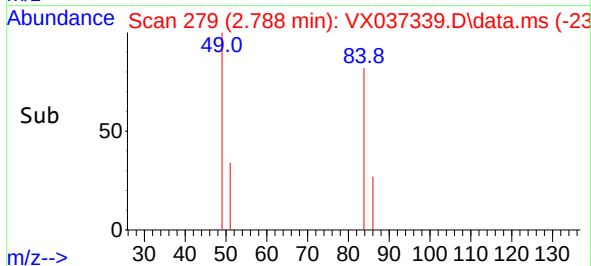
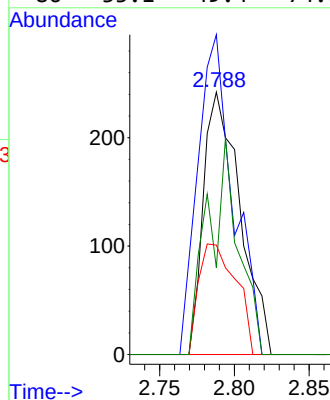
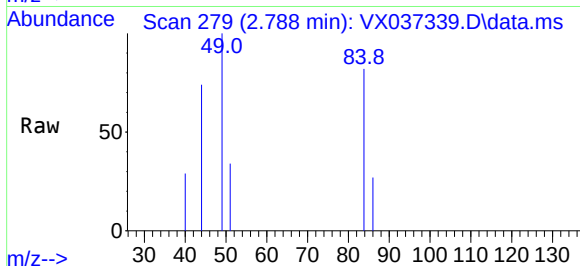


#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

Tgt Ion: 84 Resp: 413

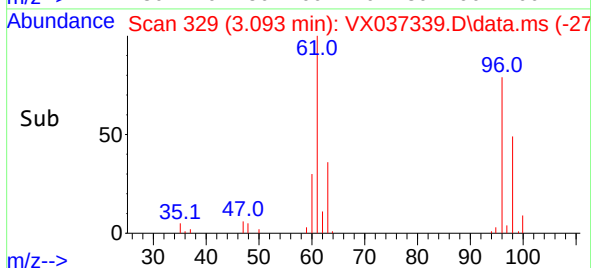
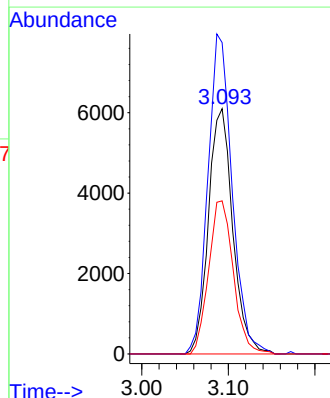
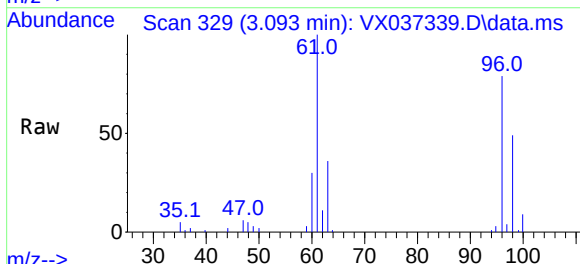
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.6	155.4
51	41.7	33.8	50.6
86	33.1	49.4	74.0

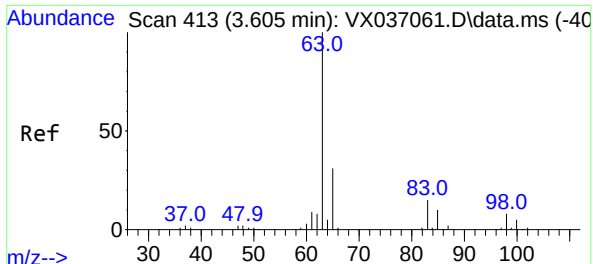


#21
trans-1,2-Dichloroethene
Concen: 7.086 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 96 Resp: 11909

Ion	Ratio	Lower	Upper
96	100		
61	126.9	119.2	178.8
98	62.4	48.7	73.1

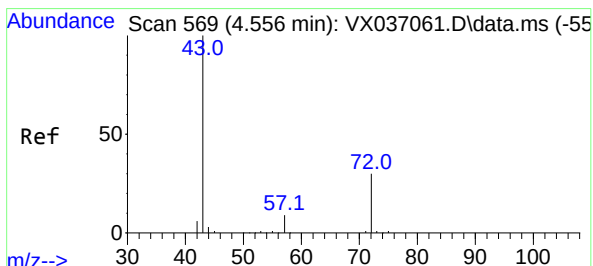
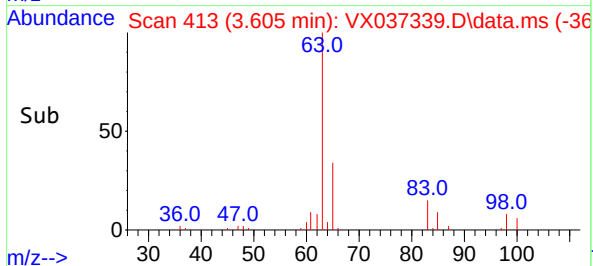
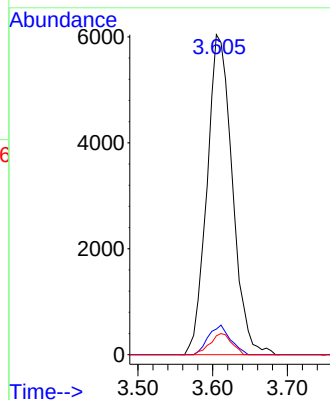
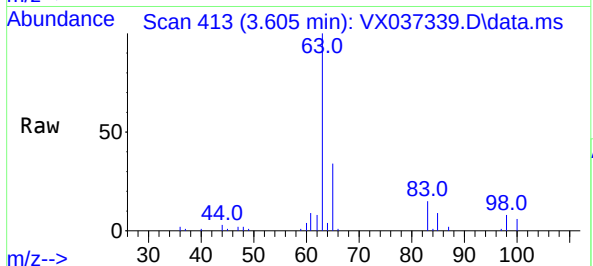




#24
1,1-Dichloroethane
Concen: 4.834 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

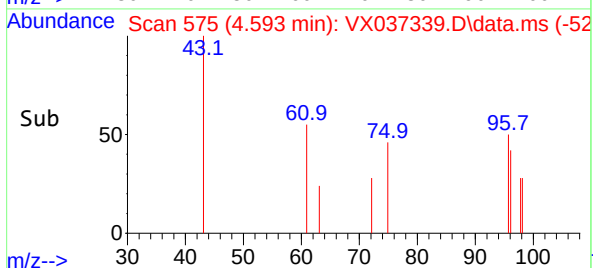
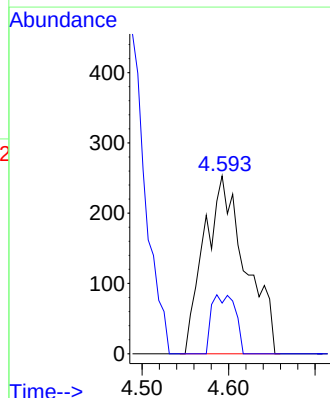
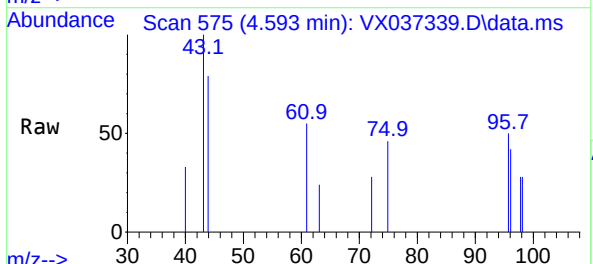
Instrument :
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ClientSampleId :
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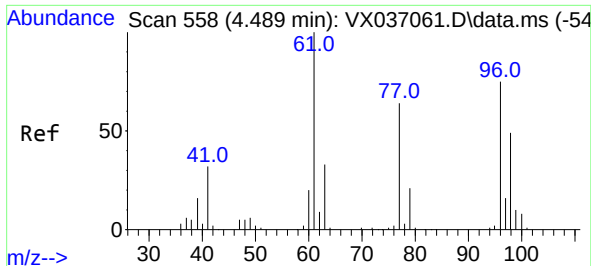
Tgt Ion:	63	Resp:	14234
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.3	9.8
100	5.9	2.1	6.5



#25
2-Butanone
Concen: 0.688 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion:	43	Resp:	839
Ion	Ratio	Lower	Upper
43	100		
72	28.5	19.4	29.2

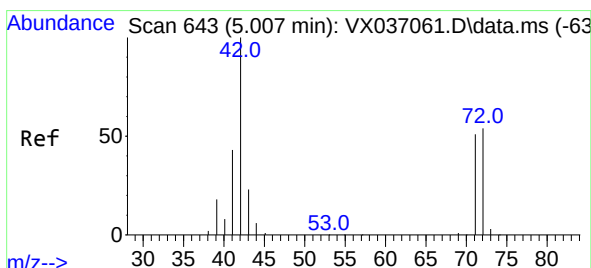
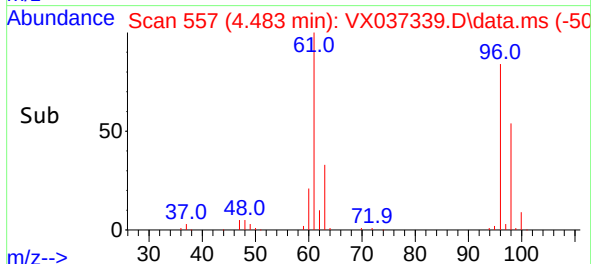
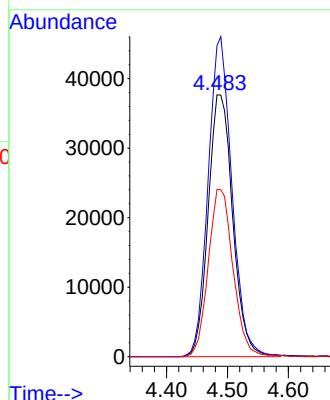
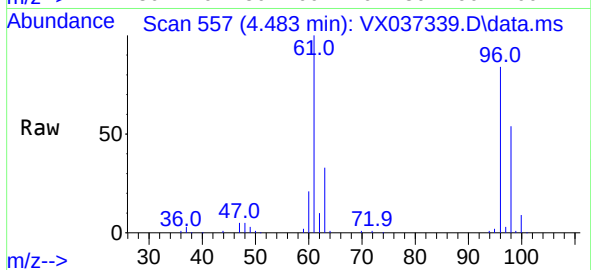




#27
cis-1,2-Dichloroethene
Concen: 53.313 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

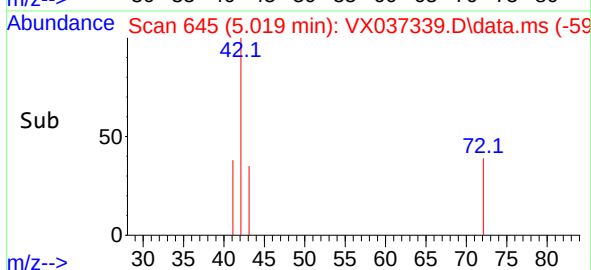
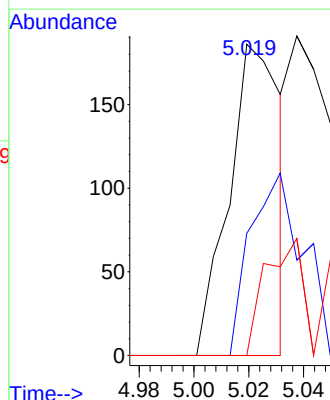
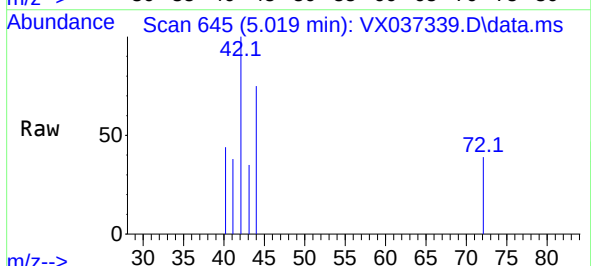
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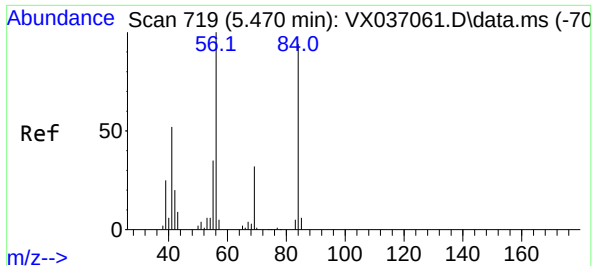
Tgt Ion: 96 Resp: 105630
Ion Ratio Lower Upper
96 100
61 118.4 0.0 312.2
98 64.5 0.0 129.0



#29
Tetrahydrofuran
Concen: 0.314 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

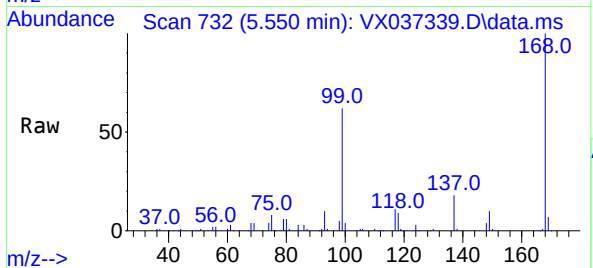
Tgt Ion: 42 Resp: 244
Ion Ratio Lower Upper
42 100
72 59.0 34.2 51.4#
71 26.6 32.2 48.2#



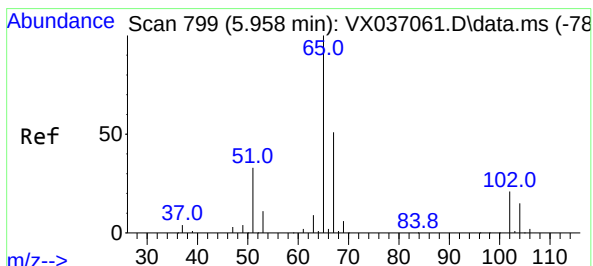
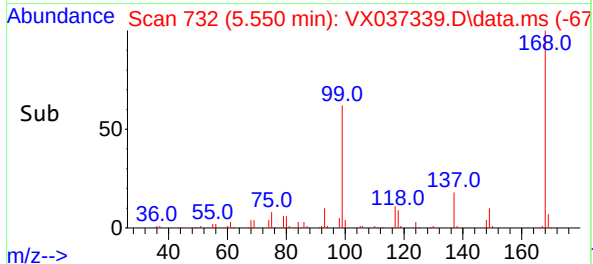
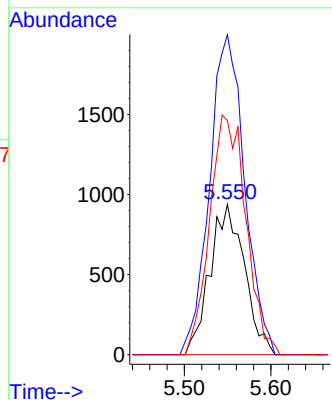


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
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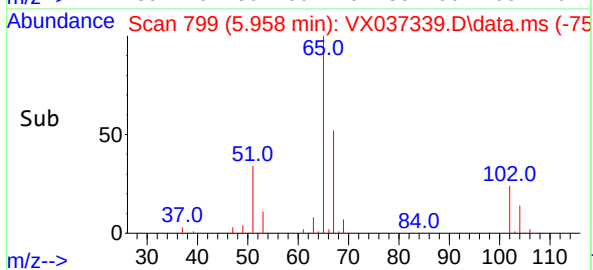
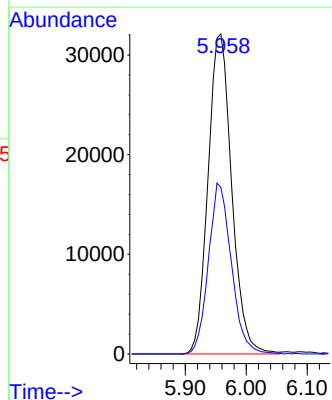
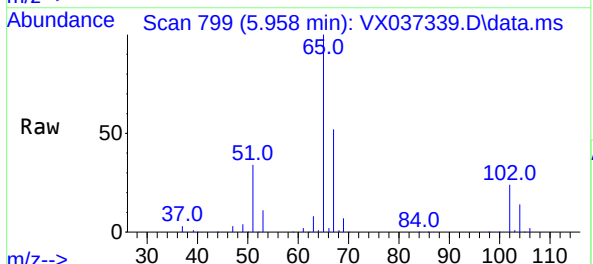


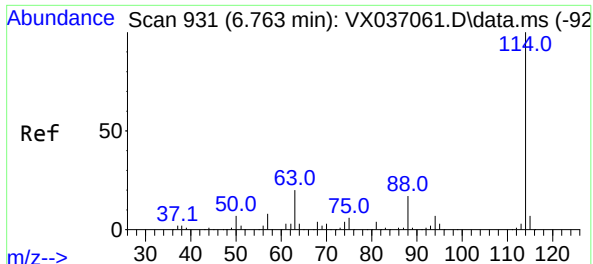
Tgt Ion: 56 Resp: 2595
Ion Ratio Lower Upper
56 100
69 212.8 23.4 35.2#
84 155.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.920 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 65 Resp: 86799
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

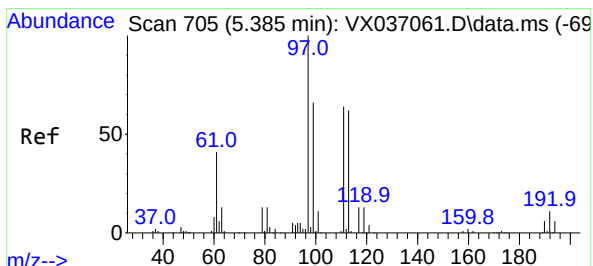
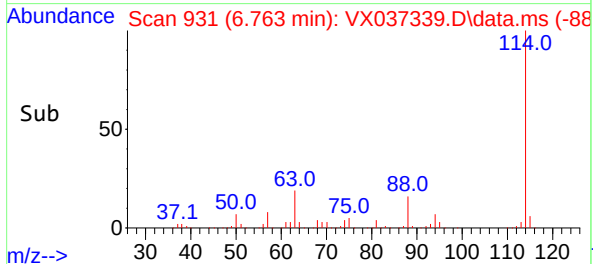
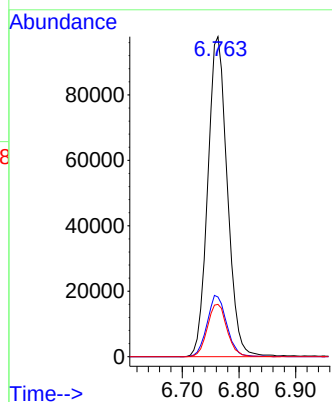
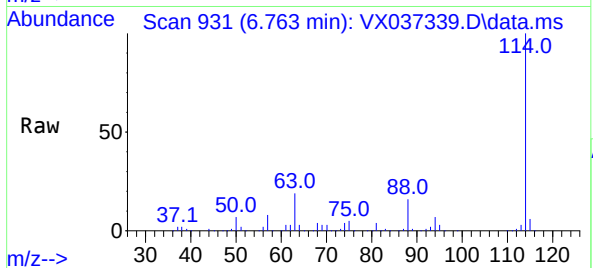




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

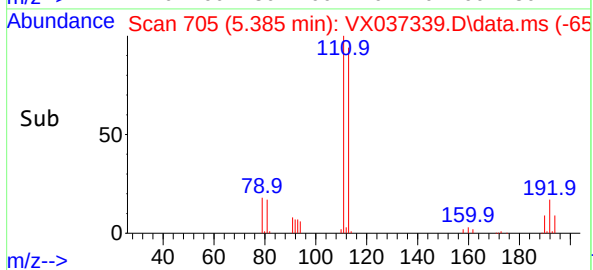
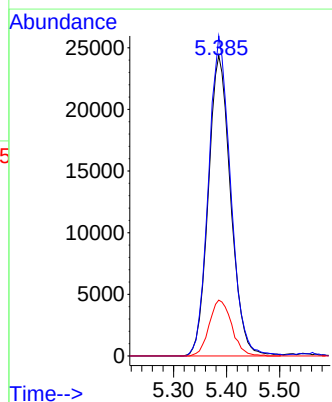
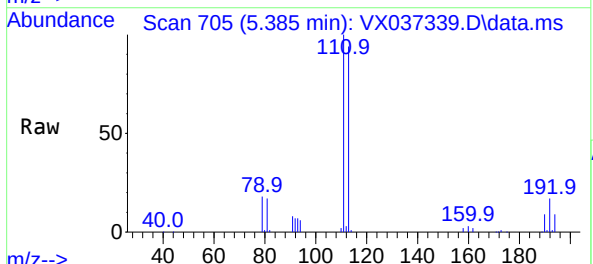
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

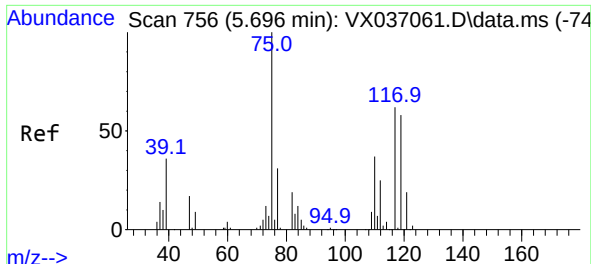
Tgt Ion:114 Resp: 233876
Ion Ratio Lower Upper
114 100
63 18.7 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.020 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

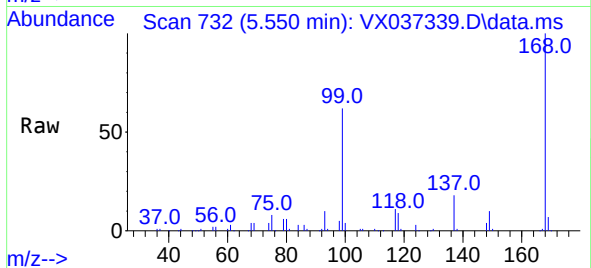
Tgt Ion:113 Resp: 71280
Ion Ratio Lower Upper
113 100
111 105.1 82.9 124.3
192 18.7 13.3 19.9



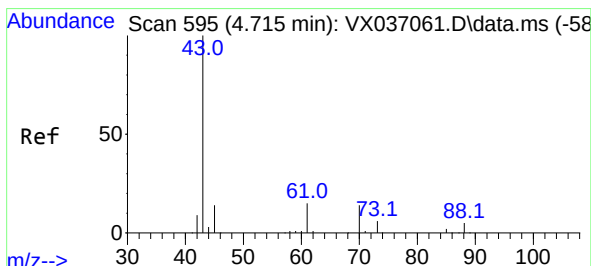
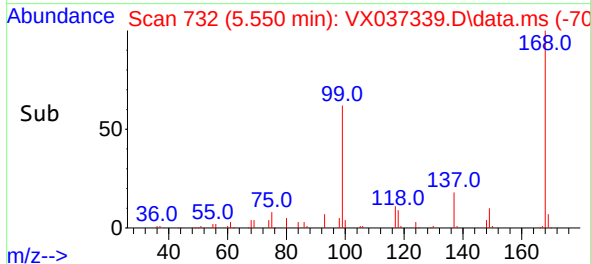
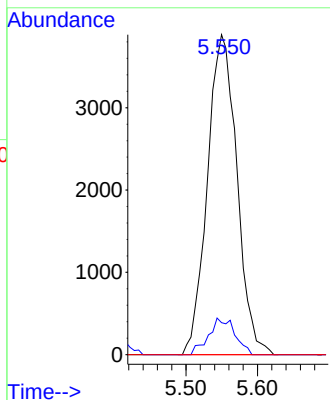


#36
1,1-Dichloropropene
Concen: 5.067 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

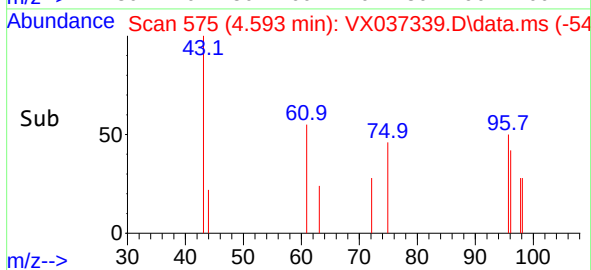
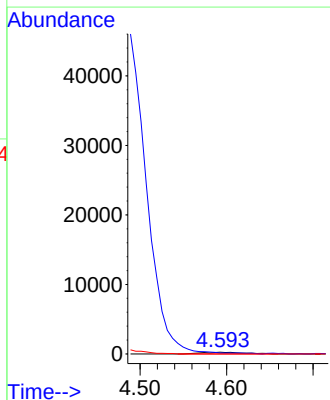
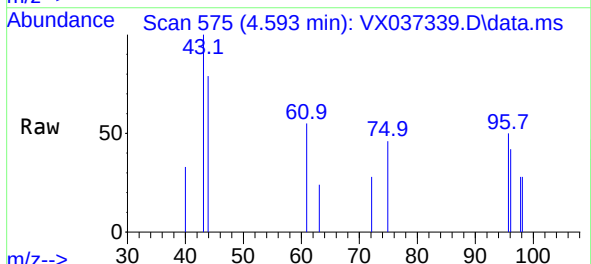


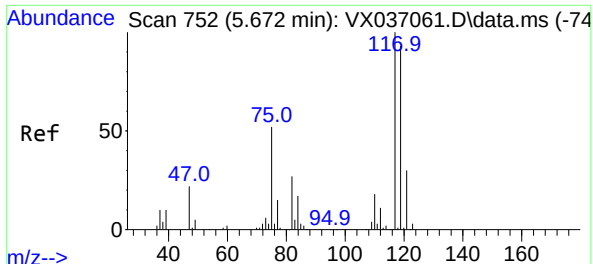
Tgt Ion: 75 Resp: 11150
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.373 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.122 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

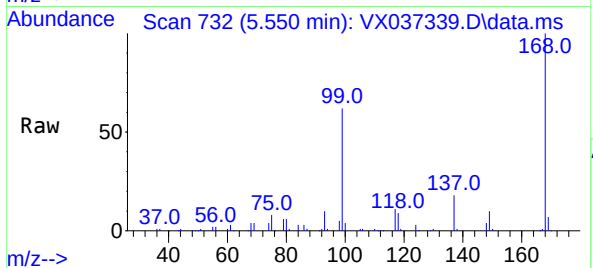
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



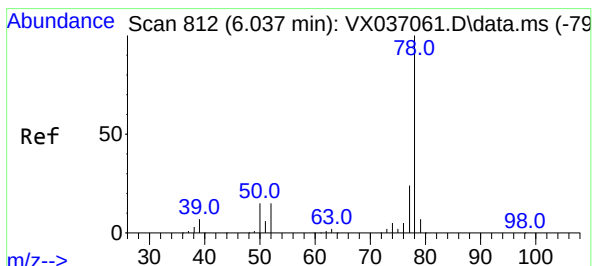
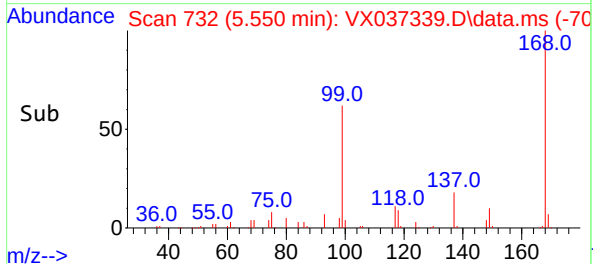
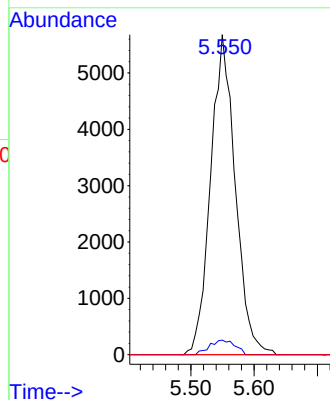


#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

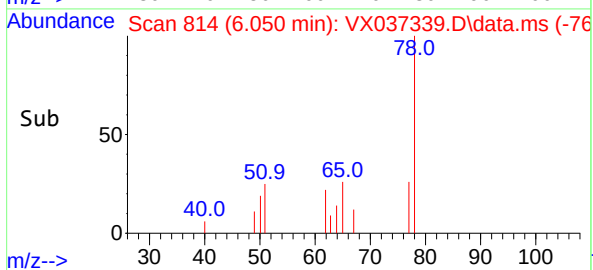
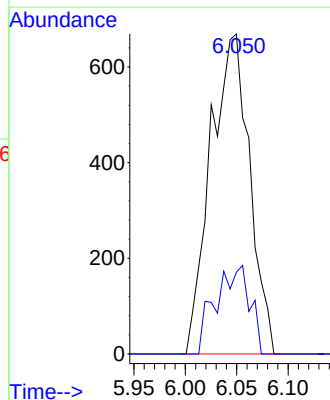
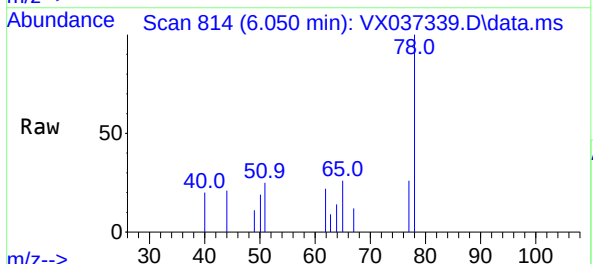


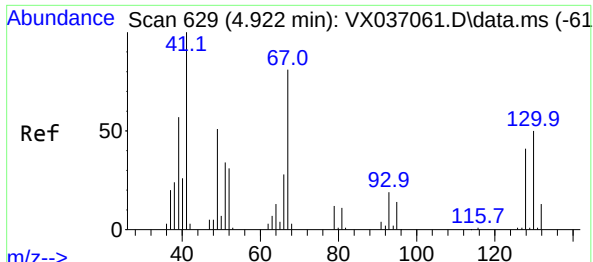
Tgt Ion:117 Resp: 15393
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.280 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 78 Resp: 1764
Ion Ratio Lower Upper
78 100
77 25.6 19.3 28.9

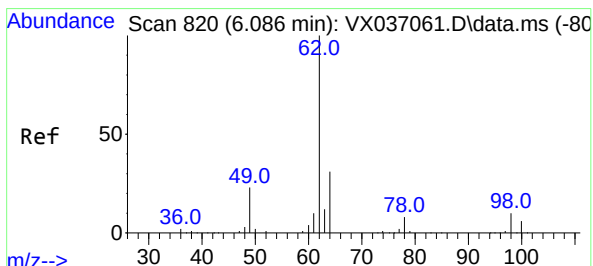
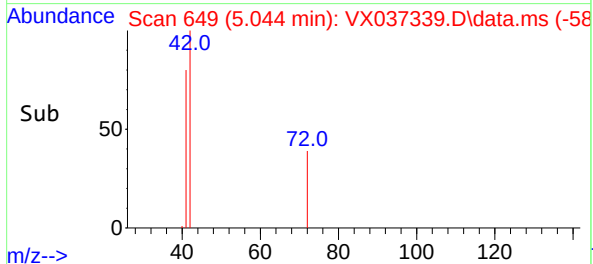
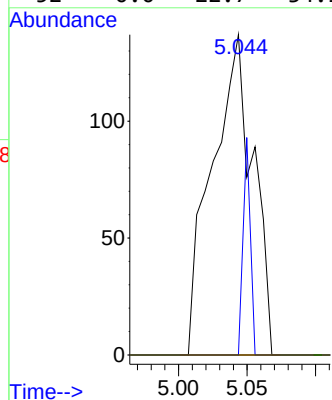
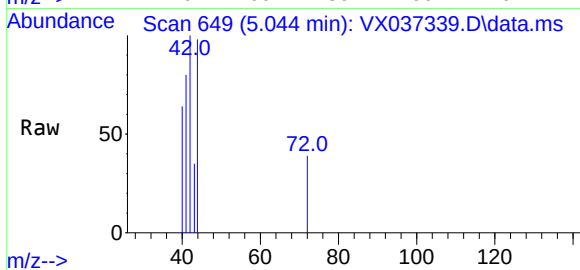




#41
Methacrylonitrile
Concen: 0.244 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

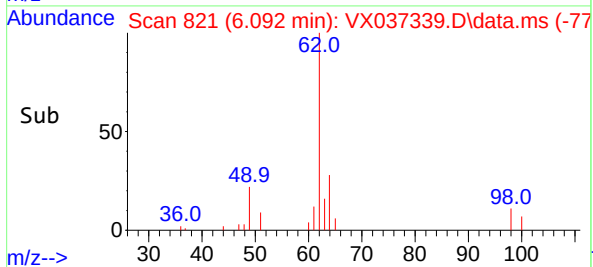
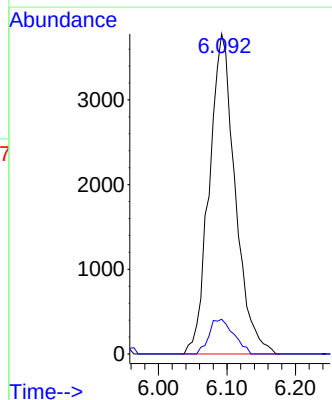
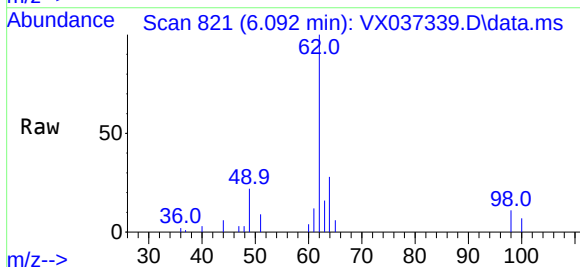
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

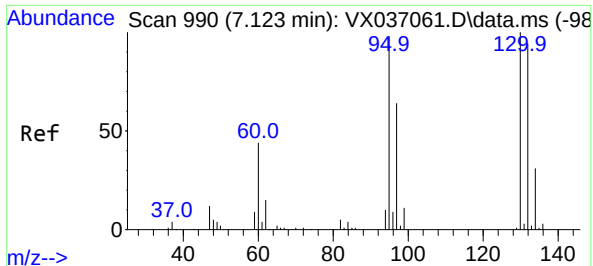
Tgt Ion:	41	Resp:	285
Ion	Ratio	Lower	Upper
41	100		
39	11.9	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 4.018 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion:	62	Resp:	9944
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	16.0

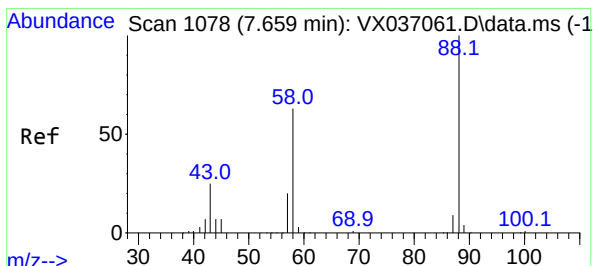
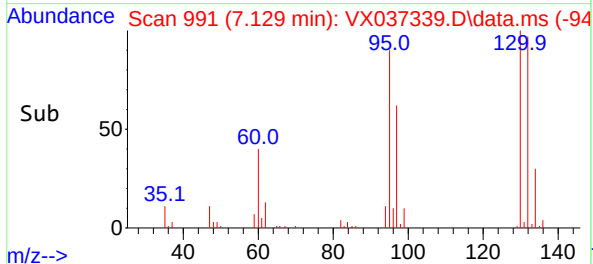
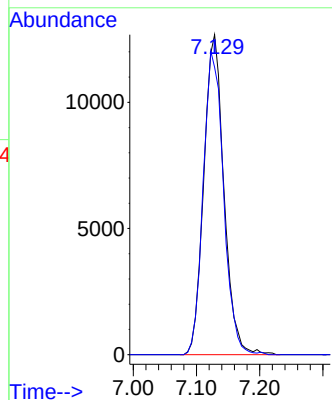
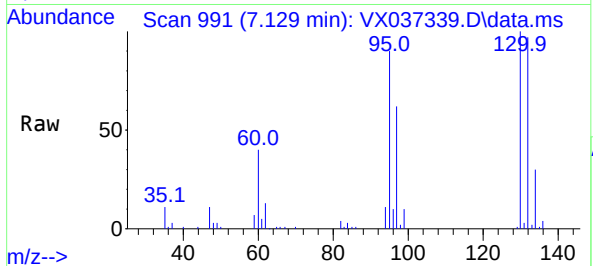




#44
Trichloroethene
Concen: 15.704 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

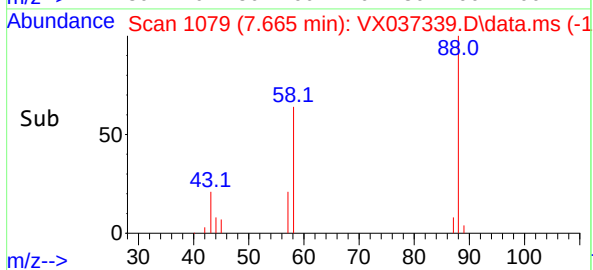
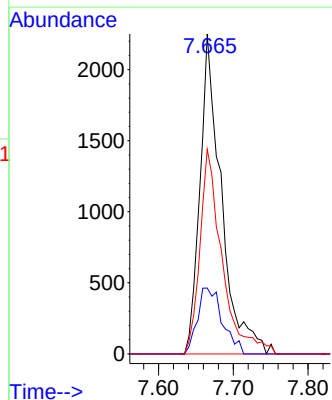
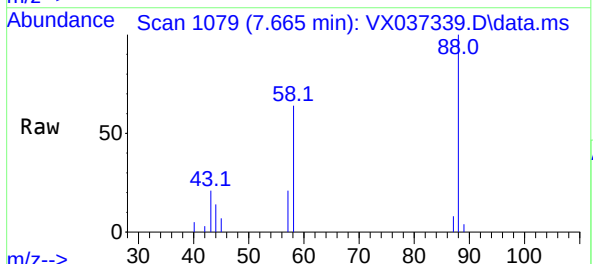
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

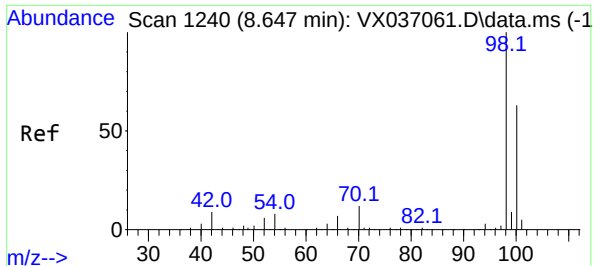
Tgt Ion:130 Resp: 28104
Ion Ratio Lower Upper
130 100
95 89.8 0.0 204.4



#49
1,4-Dioxane
Concen: 95.428 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 88 Resp: 4473
Ion Ratio Lower Upper
88 100
43 24.0 0.0 0.0#
58 66.1 60.1 90.1





#50

Toluene-d8

Concen: 48.530 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037339.D

Acq: 29 Aug 2023 14:02

Instrument :

MSVOA_X

ClientSampleId :

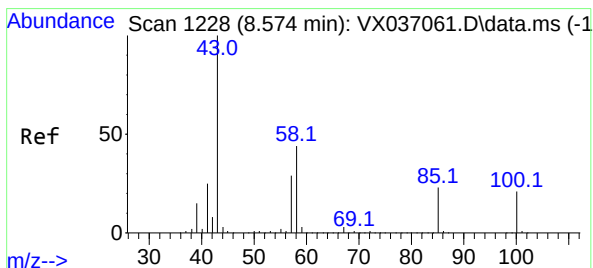
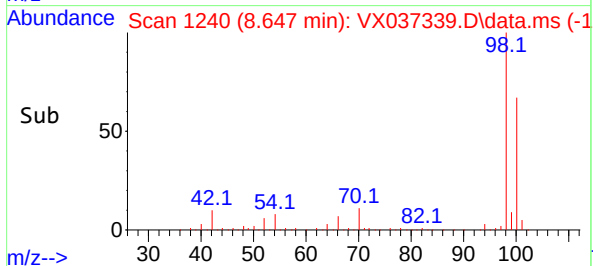
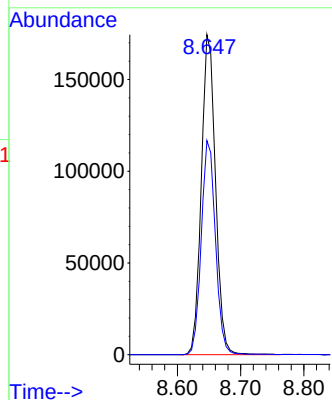
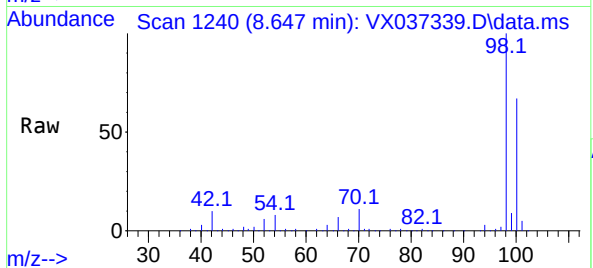
OWBR-05-135-082823-H

Tgt Ion: 98 Resp: 272662

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.473 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037339.D

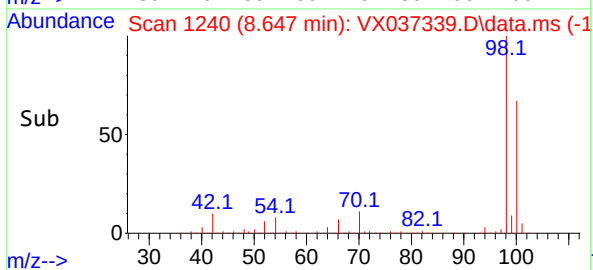
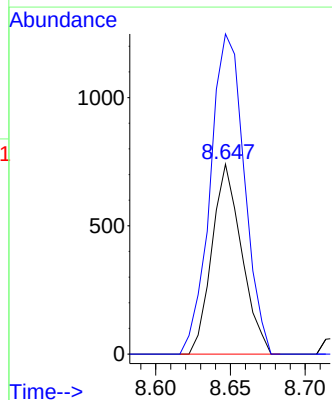
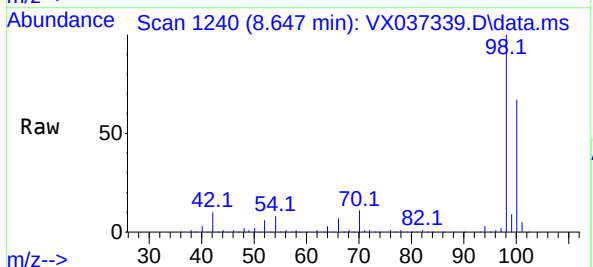
Acq: 29 Aug 2023 14:02

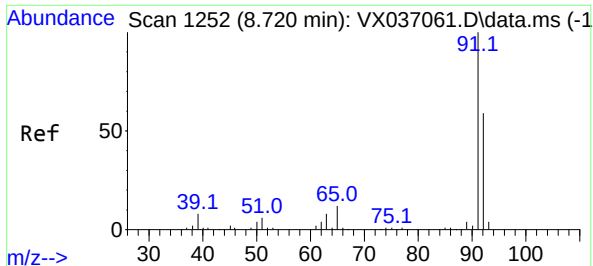
Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

58 192.9 30.4 45.6#

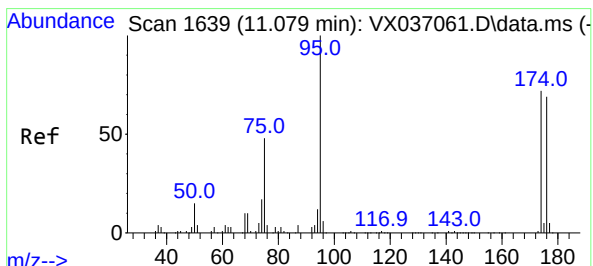
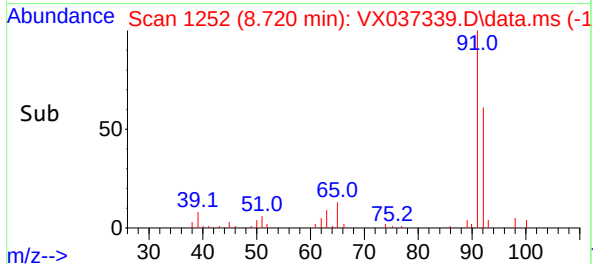
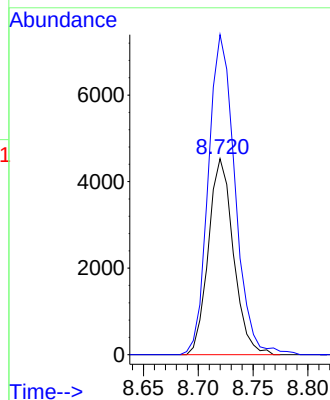
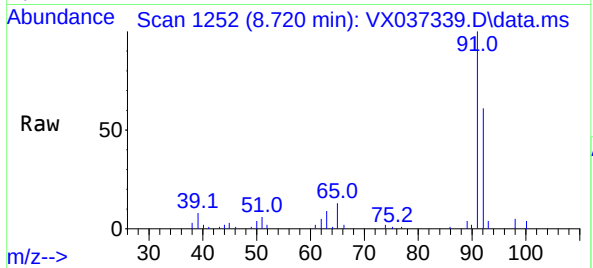




#52
Toluene
Concen: 1.725 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

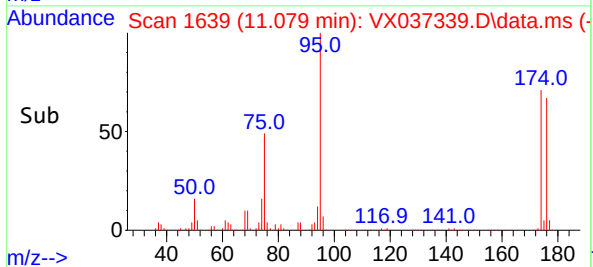
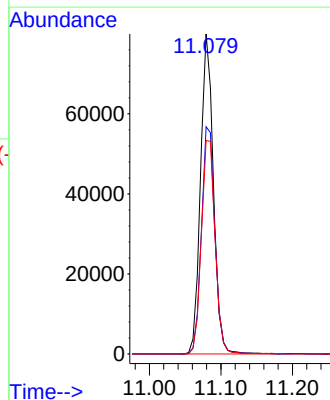
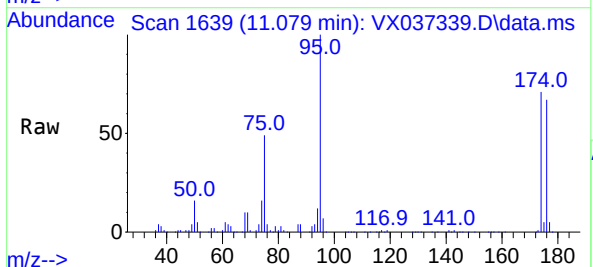
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

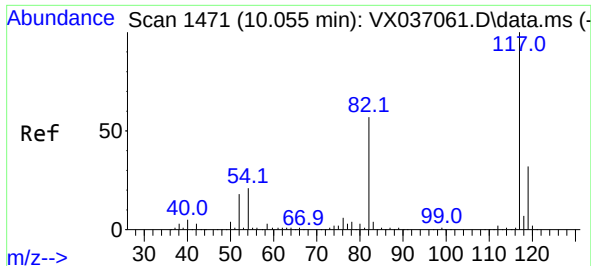
Tgt Ion: 92 Resp: 7195
Ion Ratio Lower Upper
92 100
91 174.3 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 45.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion: 95 Resp: 99678
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.2 0.0 131.0

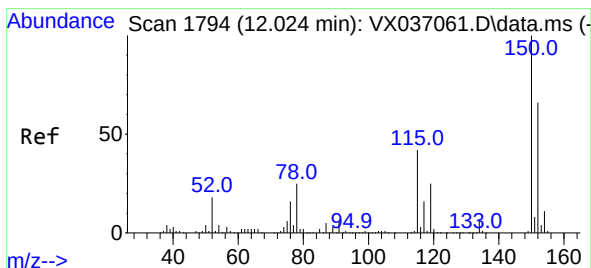
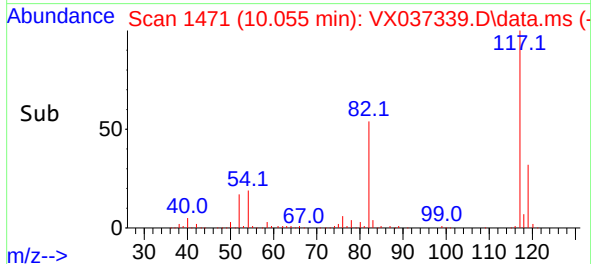
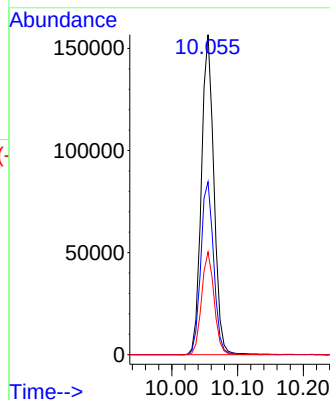
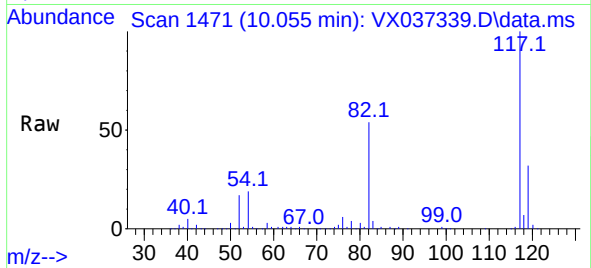




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

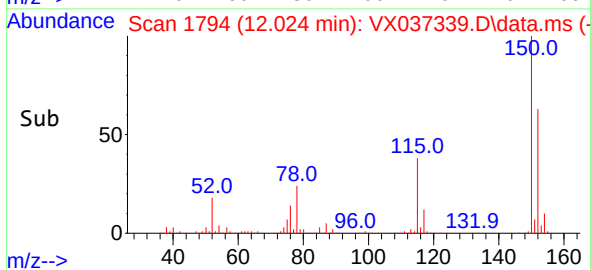
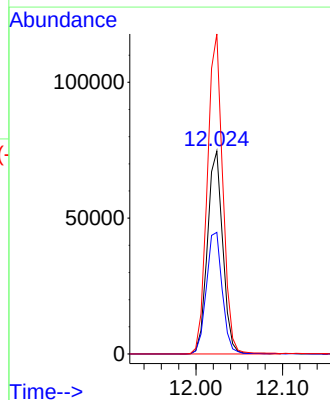
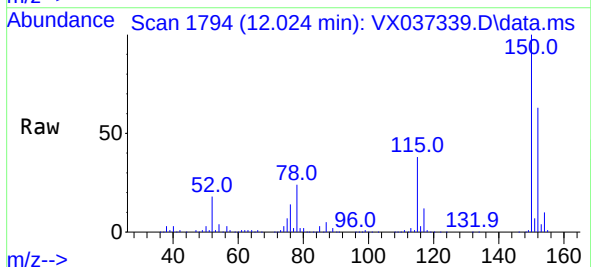
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

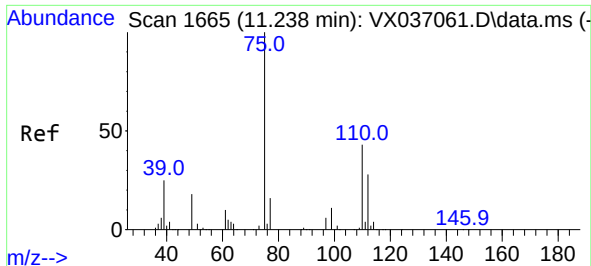
Tgt Ion:117 Resp: 207349
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Tgt Ion:152 Resp: 91970
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 158.7 0.0 345.0

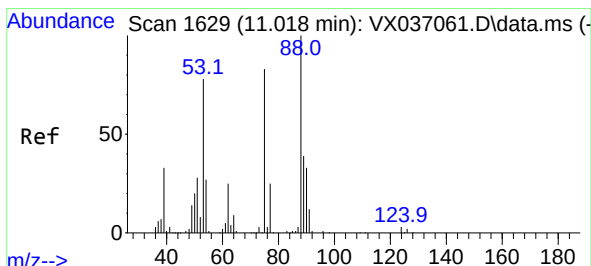
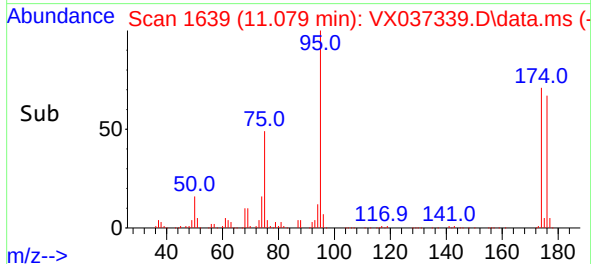
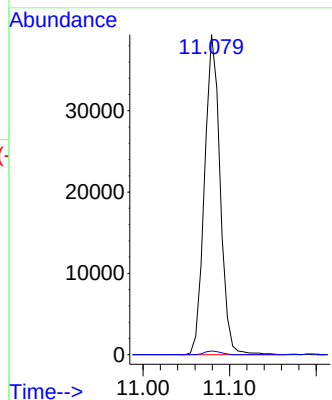
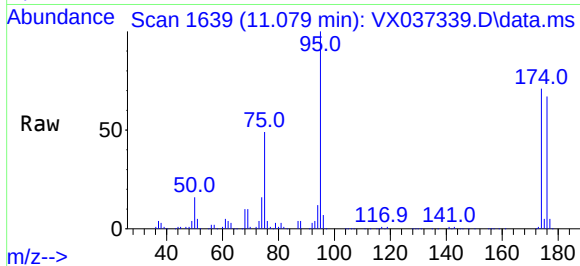




#76
1,2,3-Trichloropropane
Concen: 25.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

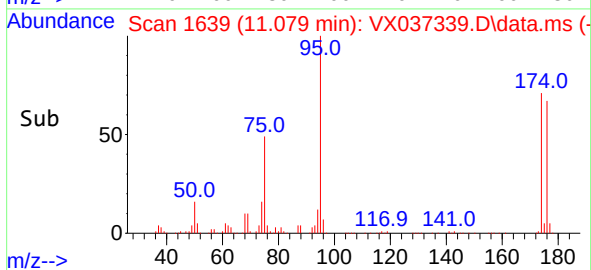
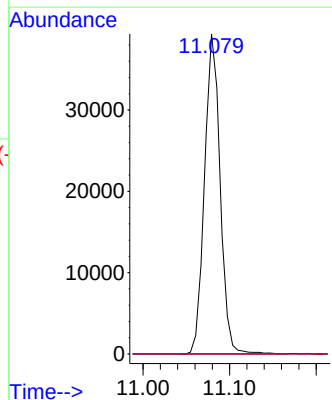
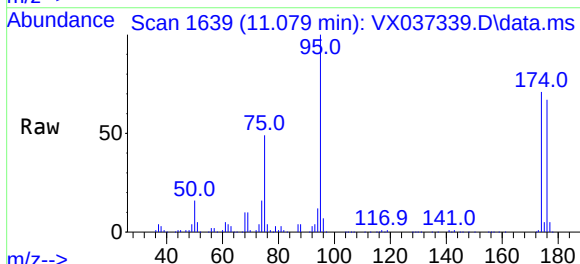
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H

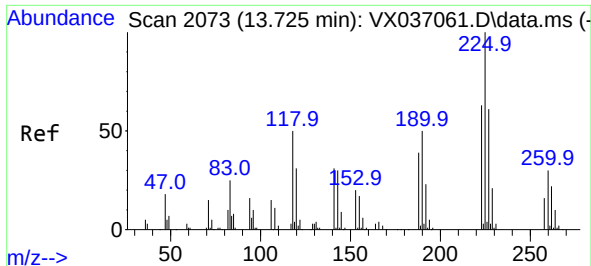
Tgt Ion: 75 Resp: 49243
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

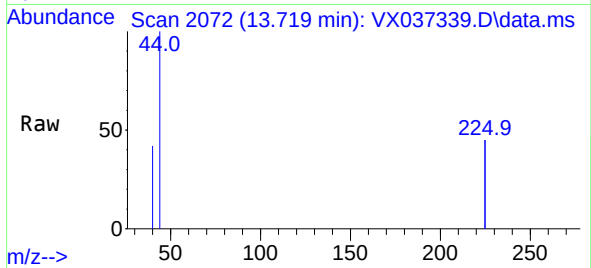
Tgt Ion: 75 Resp: 49243
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX037339.D
Acq: 29 Aug 2023 14:02

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-082823-H



Tgt Ion:	225	Resp:	138
Ion	Ratio	Lower	Upper
225	100		
223	14.5	31.1	93.2#
227	0.0	32.5	97.5#

