

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037341.D
 Acq On : 29 Aug 2023 14:51
 Operator : JC/MD
 Sample : 04207-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-67-082823-H

Quant Time: Aug 30 02:07:00 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

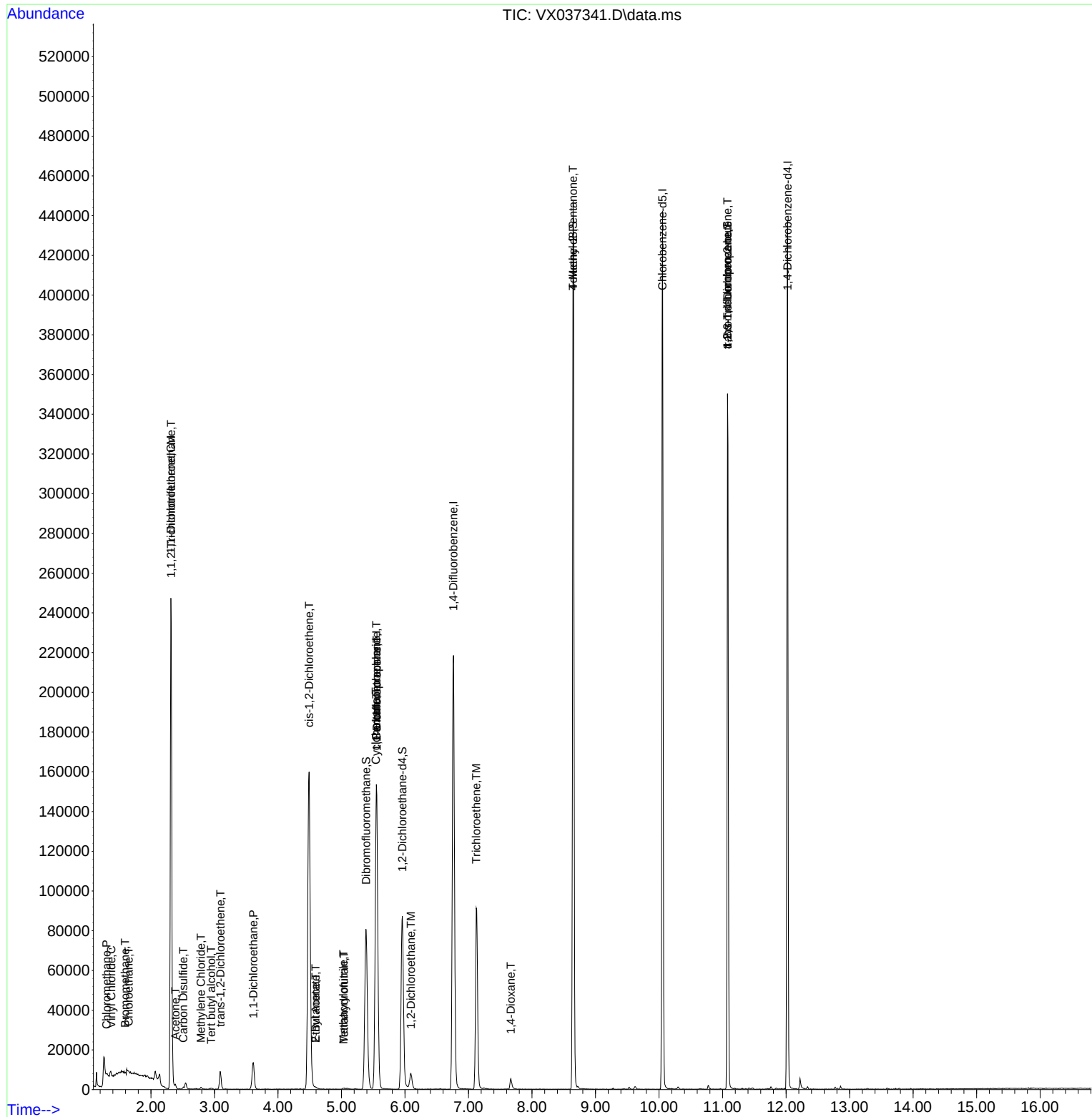
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233836	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86499	41.873	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.740%
35) Dibromofluoromethane	5.385	113	72346	46.716	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	8.647	98	271678	48.363	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.720%
62) 4-Bromofluorobenzene	11.079	95	99236	44.952	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.900%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	417	0.286	ug/l #	43
4) Vinyl Chloride	1.374	62	554	0.350	ug/l #	51
5) Bromomethane	1.593	94	211	0.267	ug/l #	3
6) Chloroethane	1.648	64	6479	6.946	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	2.319	101	428	0.283	ug/l #	63
11) Tert butyl alcohol	2.947	59	440	0.908	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	86031	58.325	ug/l	84
16) Acetone	2.386	43	2148	2.658	ug/l	93
17) Carbon Disulfide	2.508	76	1316	0.351	ug/l	100
20) Methylene Chloride	2.788	84	534	0.295	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	3942	2.351	ug/l	91
24) 1,1-Dichloroethane	3.611	63	15732	5.355	ug/l	99
25) 2-Butanone	4.593	43	1065	0.875	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	107841	54.555	ug/l	79
29) Tetrahydrofuran	5.038	42	411	0.530	ug/l #	87
31) Cyclohexane	5.544	56	2689	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11007	5.003	ug/l #	52
37) Ethyl Acetate	4.593	43	1065	0.474	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15042	6.294	ug/l #	15
41) Methacrylonitrile	5.032	41	313	0.268	ug/l #	25
42) 1,2-Dichloroethane	6.092	62	9349	3.778	ug/l	95
44) Trichloroethene	7.123	130	37674	21.055	ug/l	98
49) 1,4-Dioxane	7.665	88	4615	98.474	ug/l #	88
51) 4-Methyl-2-Pentanone	8.647	43	1009	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	49374	24.565	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49374	68.612	ug/l #	5

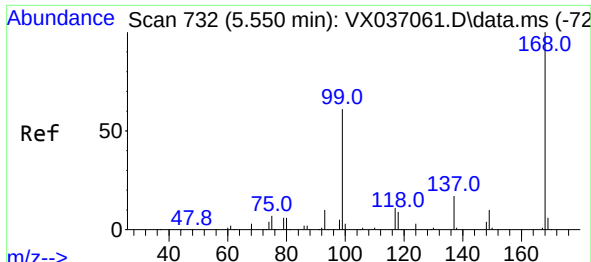
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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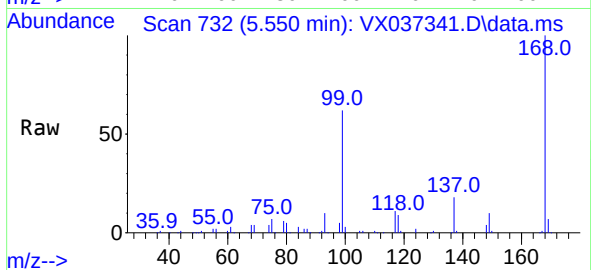
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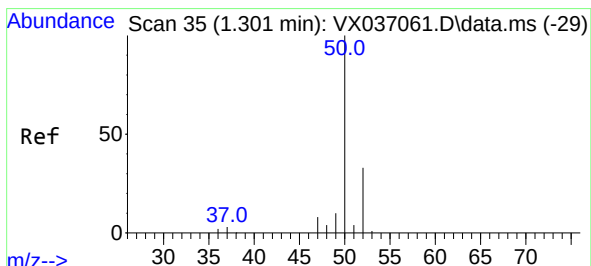
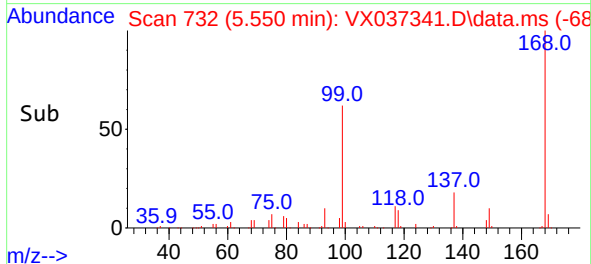
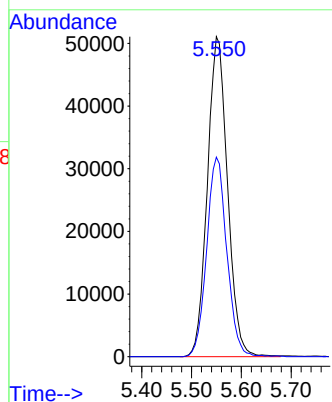


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

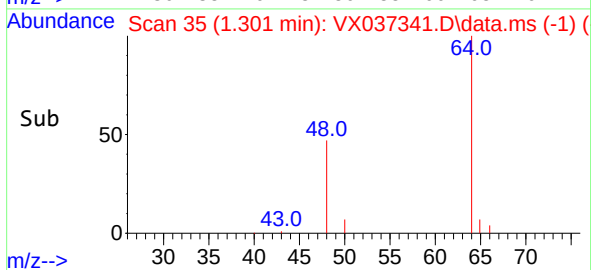
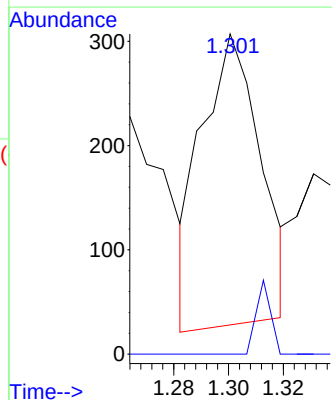
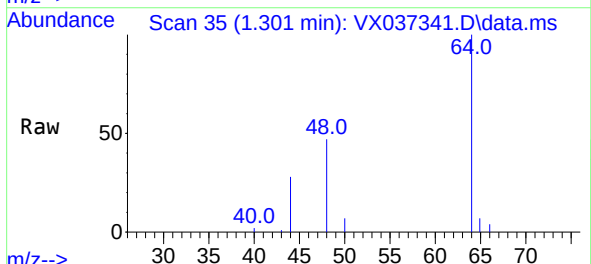


Tgt Ion:168 Resp: 143289
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0

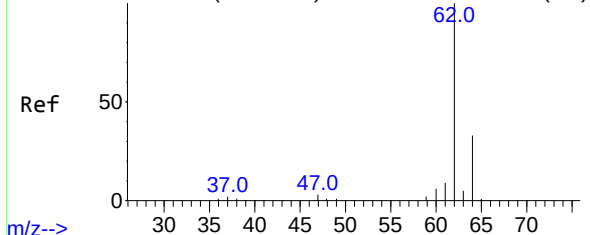


#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3



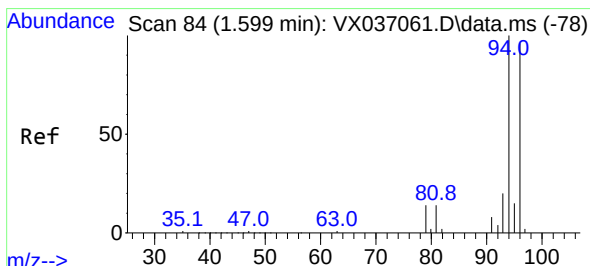
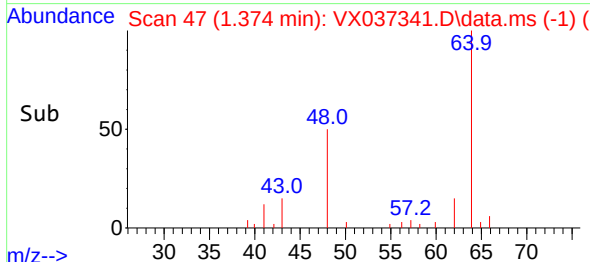
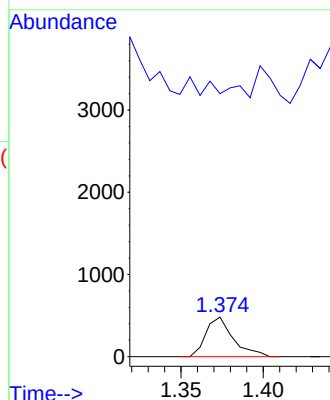
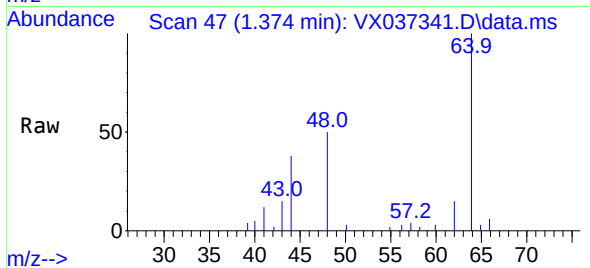
Abundance Scan 47 (1.374 min): VX037061.D\data.ms (-42)



#4
Vinyl Chloride
Concen: 0.350 ug/l
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

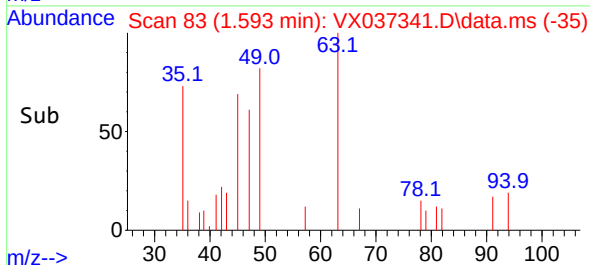
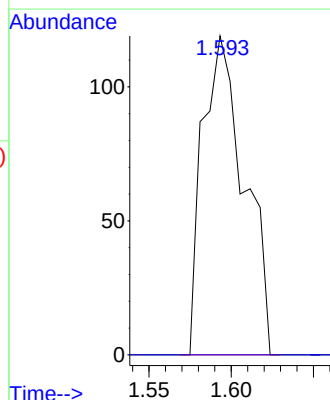
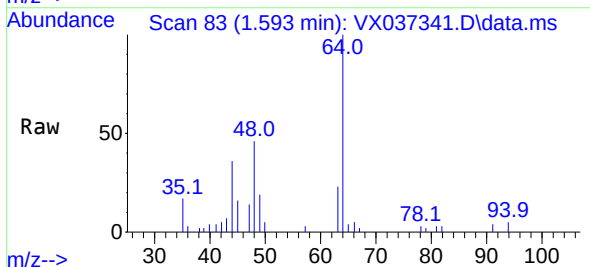
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

Tgt Ion: 62 Resp: 554
Ion Ratio Lower Upper
62 100
64 4.6 25.4 38.0#

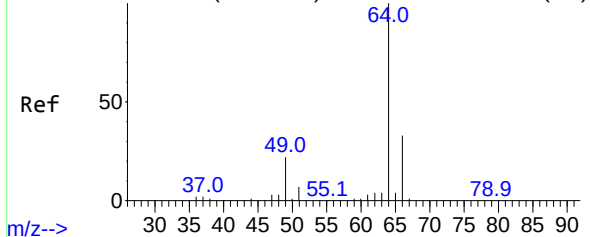


#5
Bromomethane
Concen: 0.267 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



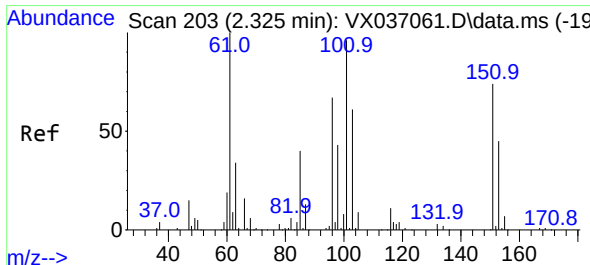
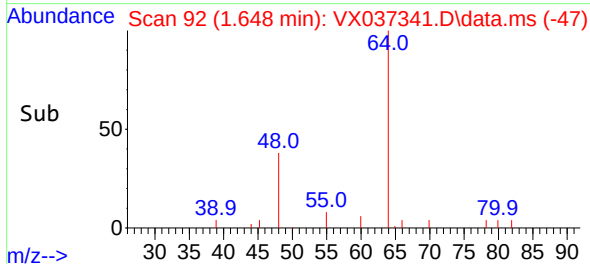
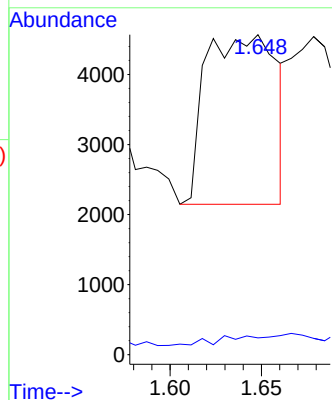
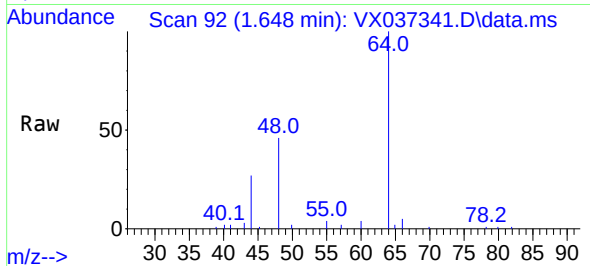
Abundance Scan 96 (1.672 min): VX037061.D\data.ms (-90)



#6
Chloroethane
Concen: 6.946 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

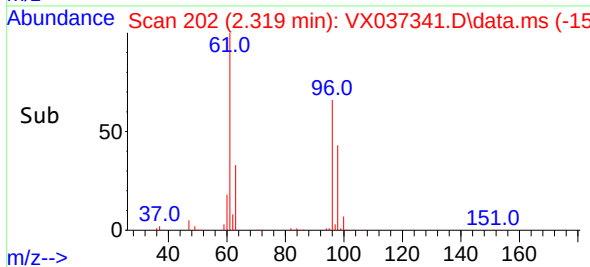
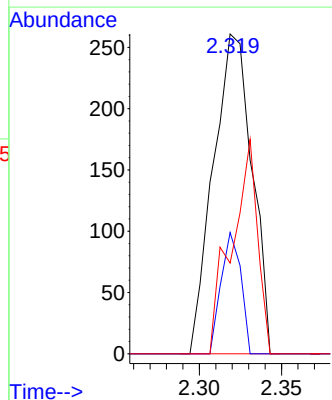
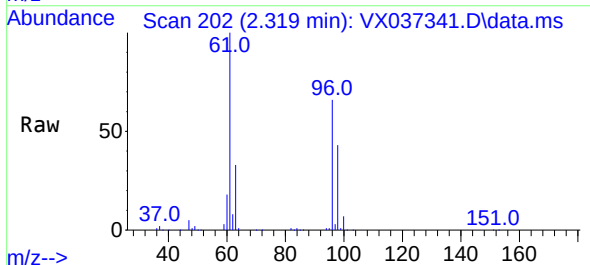
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

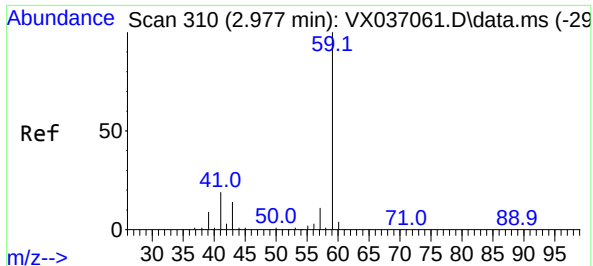
Tgt Ion: 64 Resp: 6479
Ion Ratio Lower Upper
64 100
66 3.7 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.283 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion:101 Resp: 428
Ion Ratio Lower Upper
101 100
85 19.4 37.0 55.6#
151 44.6 58.6 87.8#

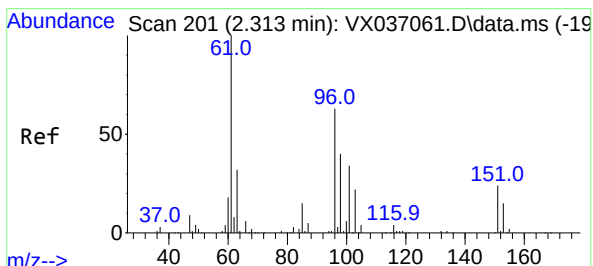
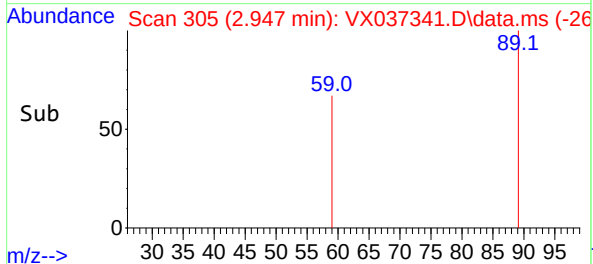
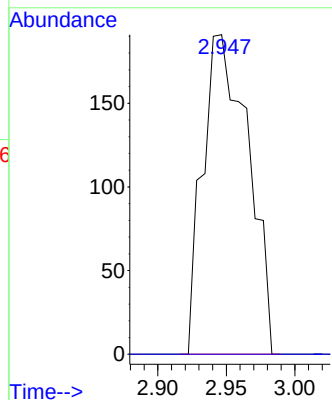
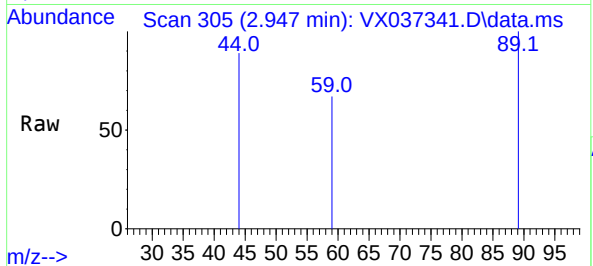




#11
Tert butyl alcohol
Concen: 0.908 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

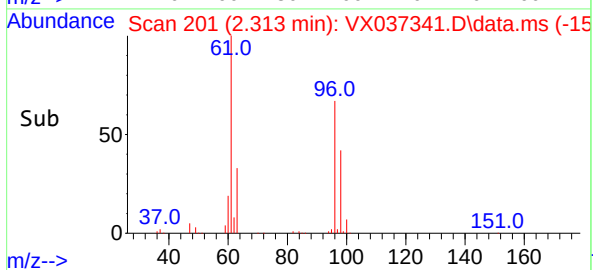
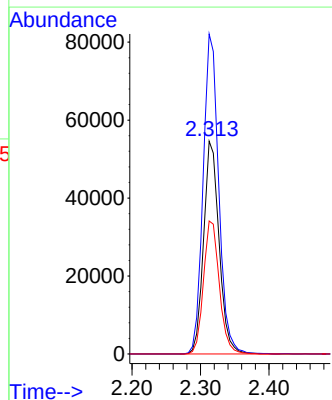
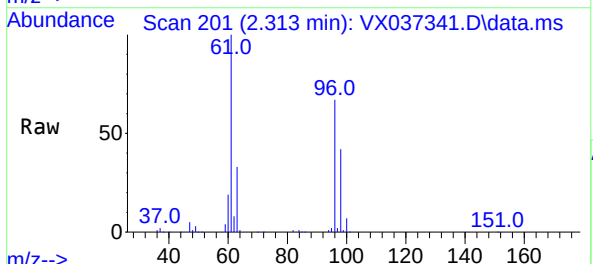
Instrument :
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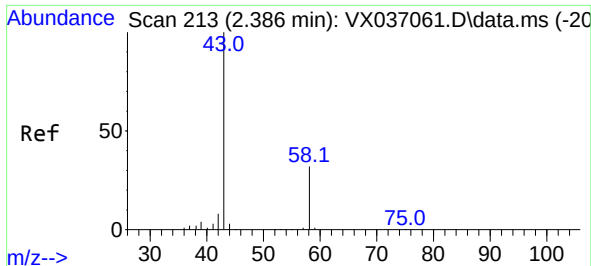
Tgt Ion: 59 Resp: 440
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 58.325 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 96 Resp: 86031
Ion Ratio Lower Upper
96 100
61 150.4 144.6 216.8
98 62.5 50.4 75.6

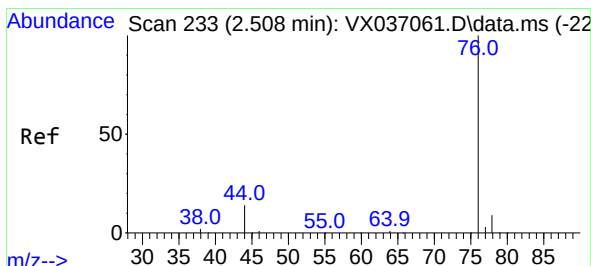
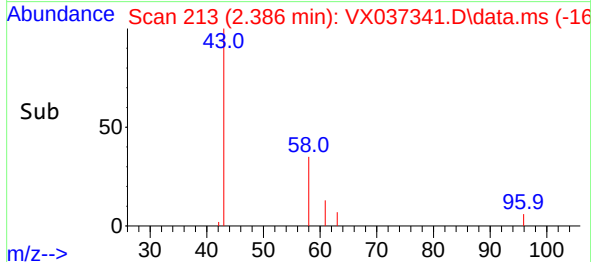
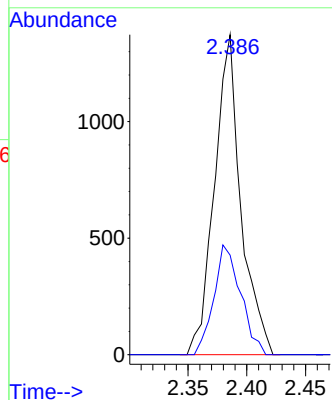
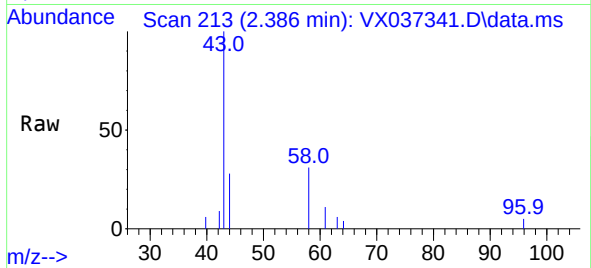




#16
Acetone
Concen: 2.658 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

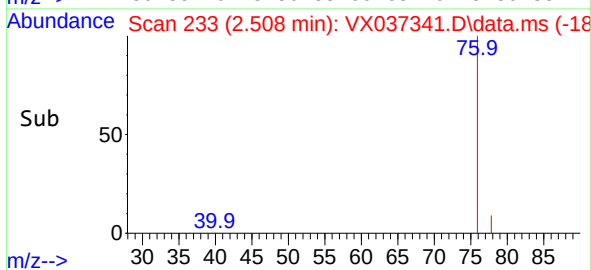
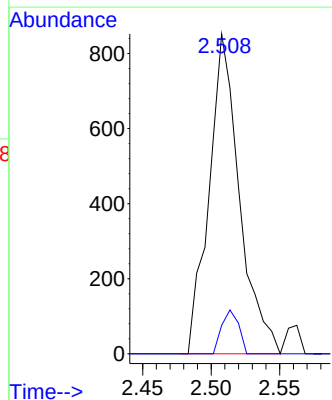
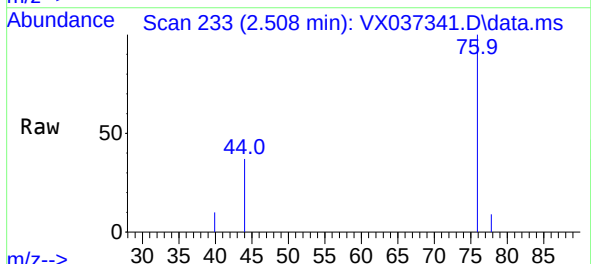
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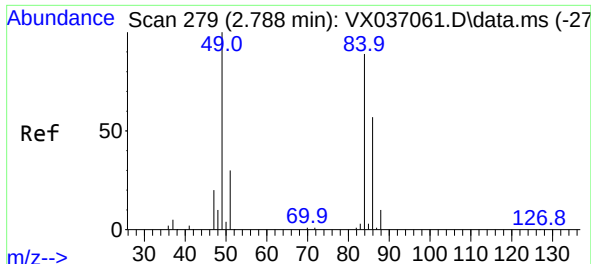
Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#17
Carbon Disulfide
Concen: 0.351 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 76 Resp: 1316
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



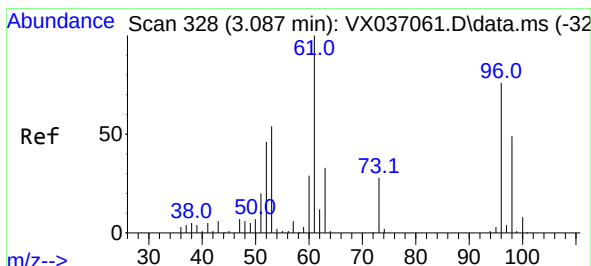
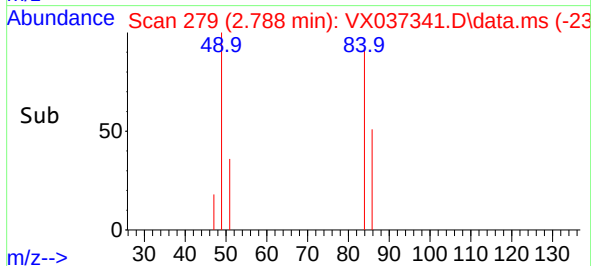
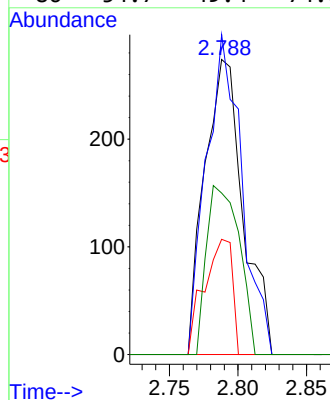
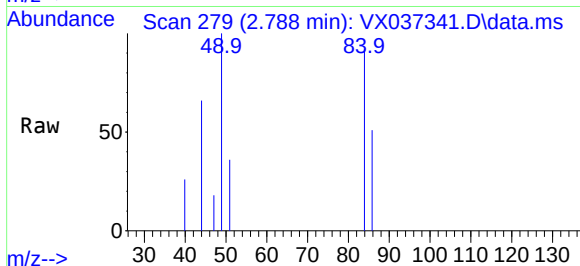


#20
Methylene Chloride
Concen: 0.295 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037341.D
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Tgt Ion: 84 Resp: 534

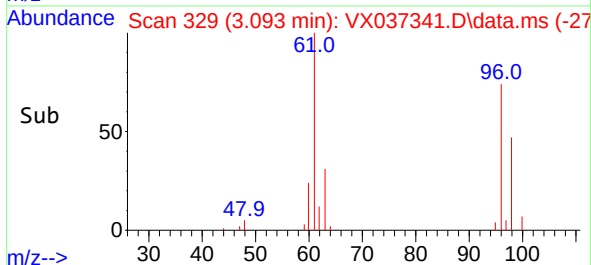
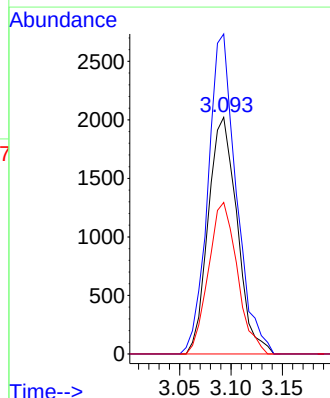
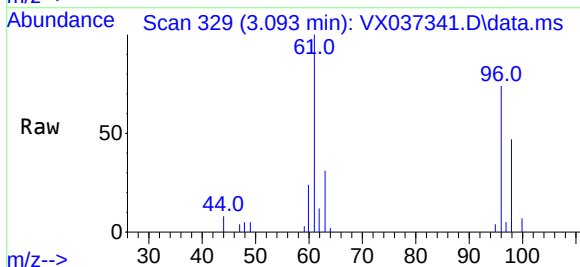
Ion	Ratio	Lower	Upper
84	100		
49	108.4	103.6	155.4
51	39.1	33.8	50.6
86	54.7	49.4	74.0

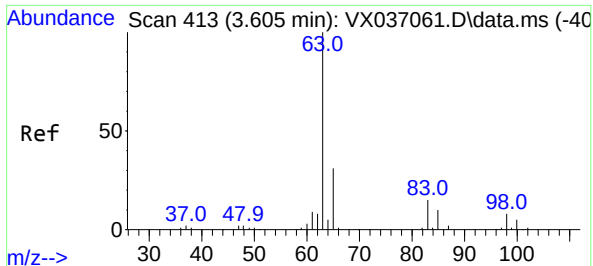


#21
trans-1,2-Dichloroethene
Concen: 2.351 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 96 Resp: 3942

Ion	Ratio	Lower	Upper
96	100		
61	135.2	119.2	178.8
98	64.0	48.7	73.1

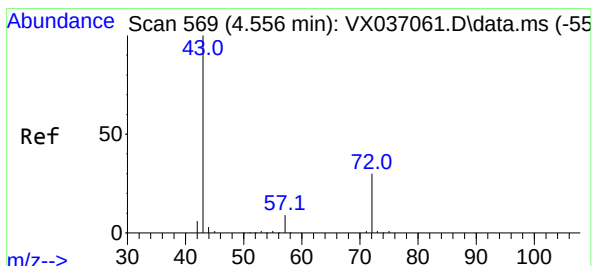
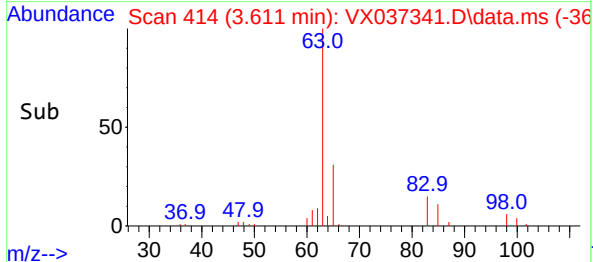
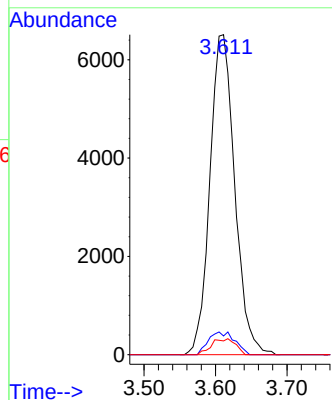
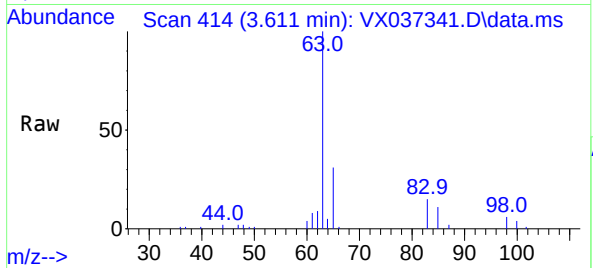




#24
1,1-Dichloroethane
Concen: 5.355 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

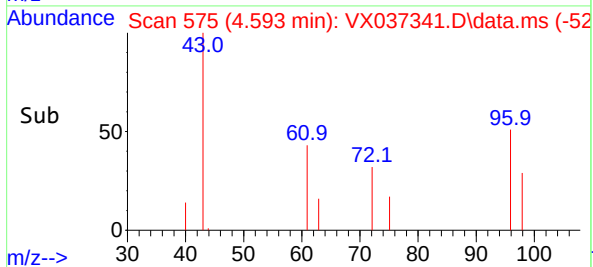
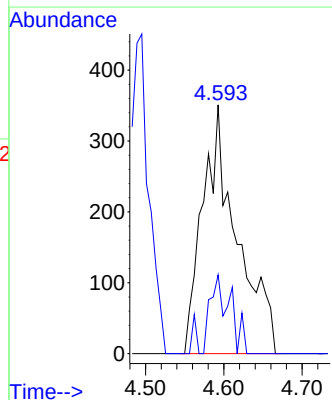
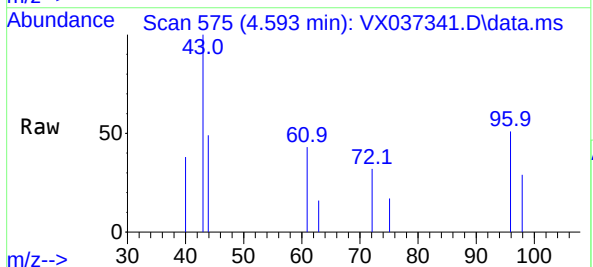
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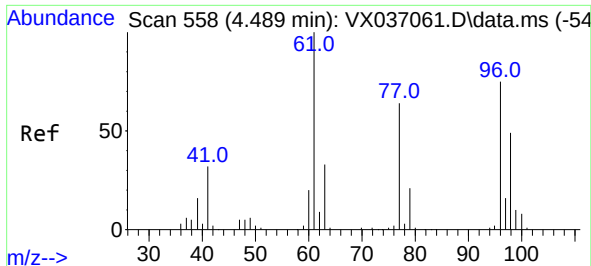
Tgt Ion: 63 Resp: 15732
Ion Ratio Lower Upper
63 100
98 5.8 3.3 9.8
100 4.3 2.1 6.5



#25
2-Butanone
Concen: 0.875 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
72 31.6 19.4 29.2#

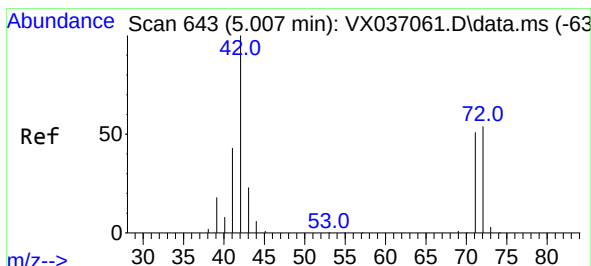
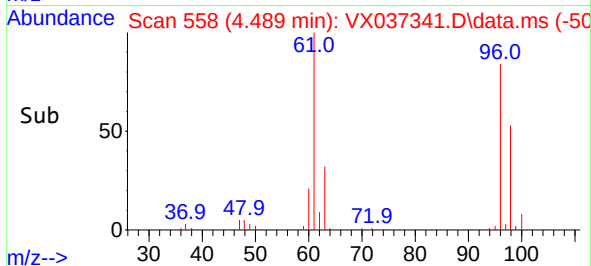
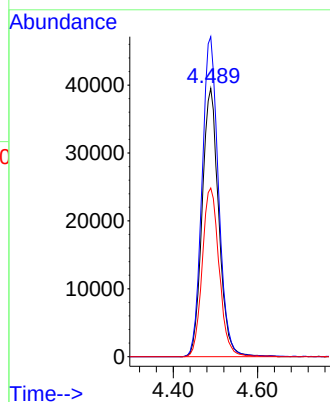
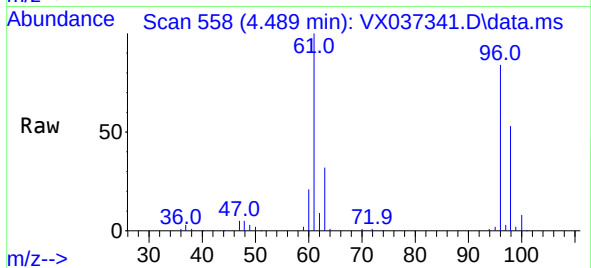




#27
cis-1,2-Dichloroethene
Concen: 54.555 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

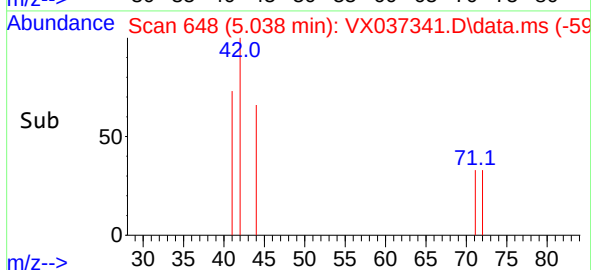
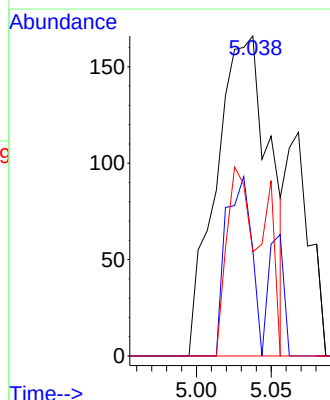
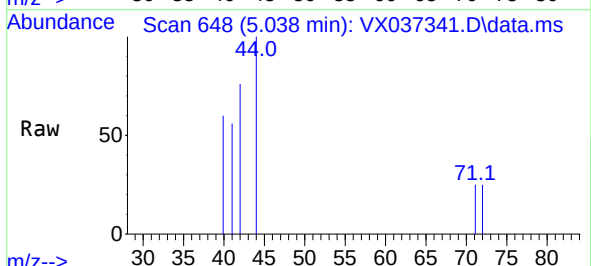
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

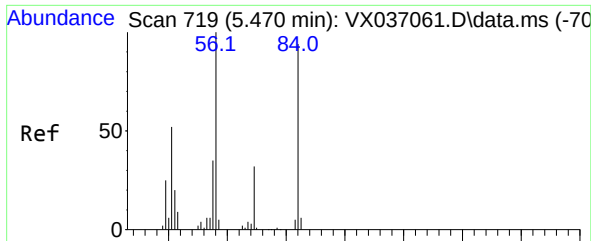
Tgt Ion: 96 Resp: 107841
Ion Ratio Lower Upper
96 100
61 118.4 0.0 312.2
98 64.3 0.0 129.0



#29
Tetrahydrofuran
Concen: 0.530 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

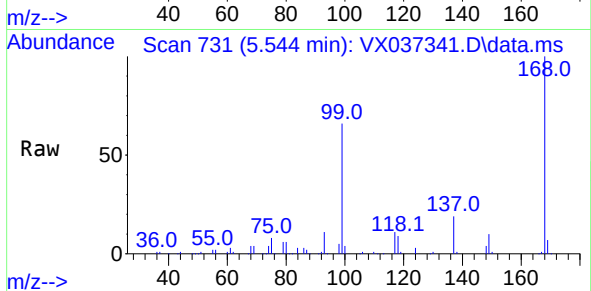
Tgt Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 27.0 34.2 51.4#
71 39.7 32.2 48.2





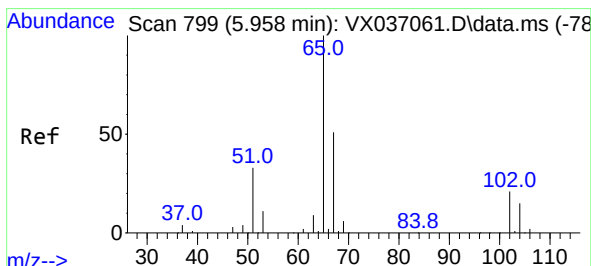
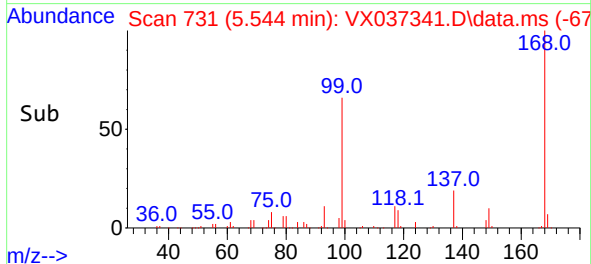
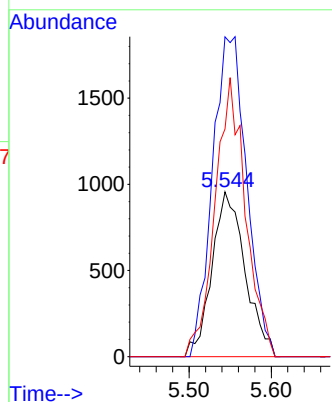
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H



Tgt Ion: 56 Resp: 2689

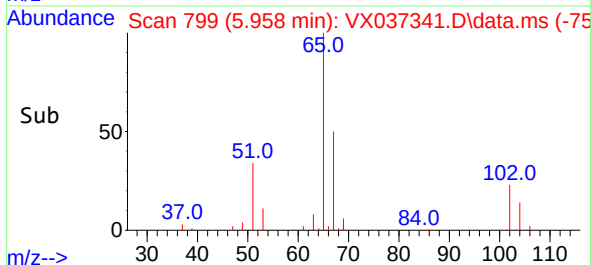
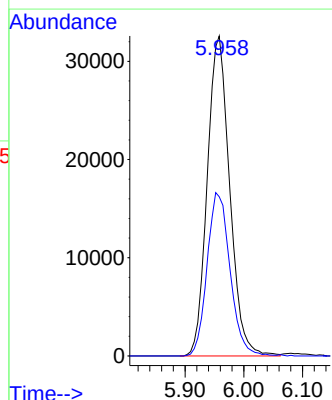
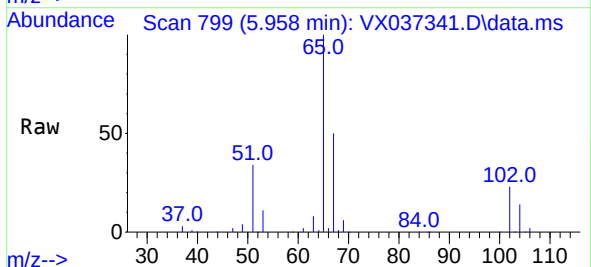
Ion	Ratio	Lower	Upper
56	100		
69	194.1	23.4	35.2#
84	138.2	65.9	98.9#

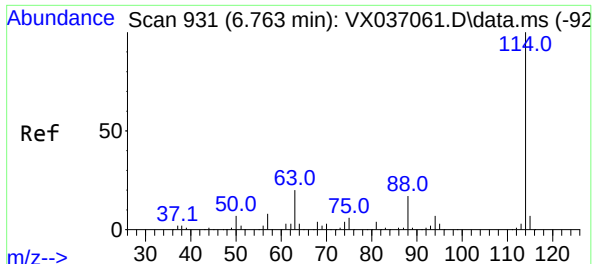


#33
1,2-Dichloroethane-d4
Concen: 41.873 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 65 Resp: 86499

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.2

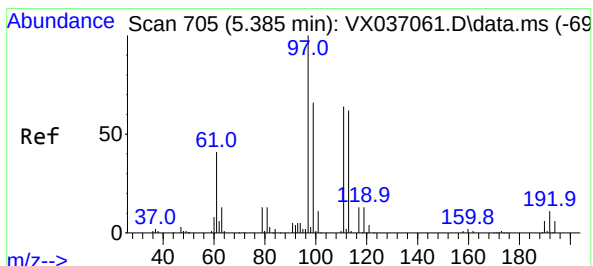
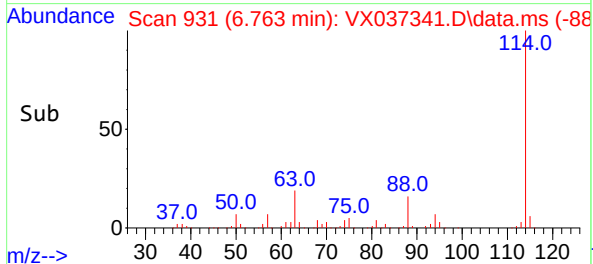
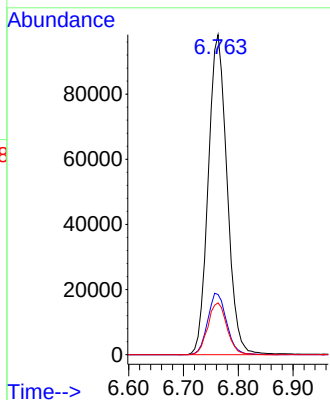
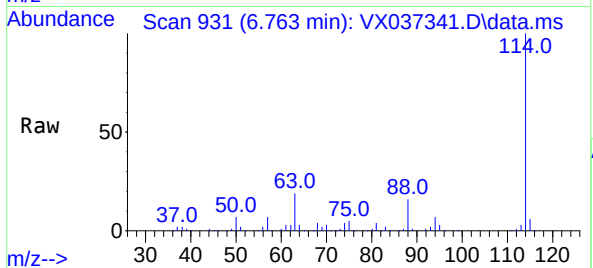




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

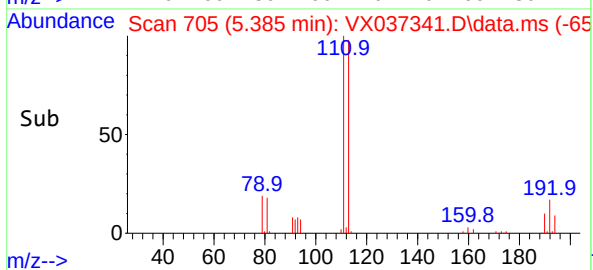
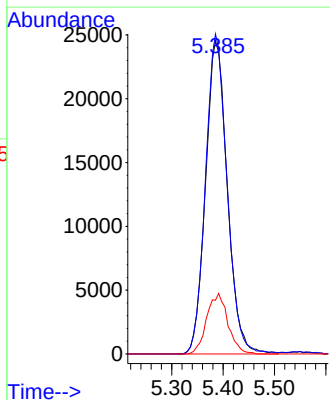
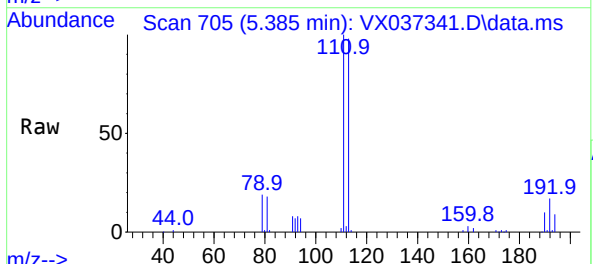
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

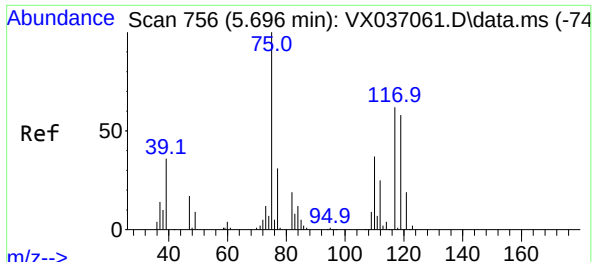
Tgt Ion:114 Resp: 233836
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.716 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion:113 Resp: 72346
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 18.7 13.3 19.9

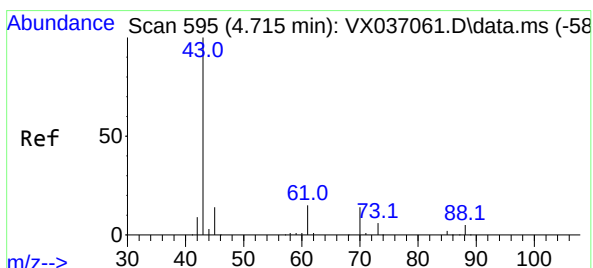
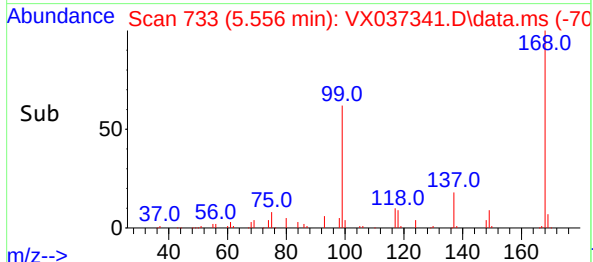
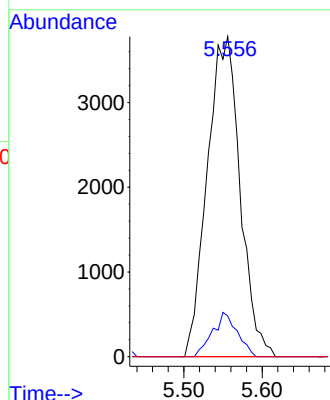
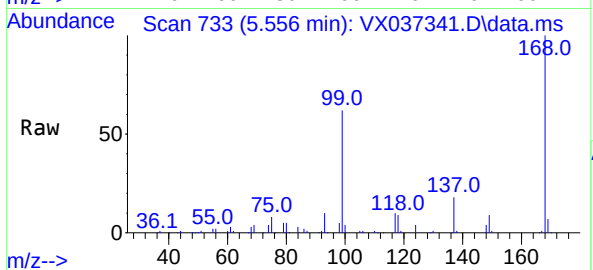




#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

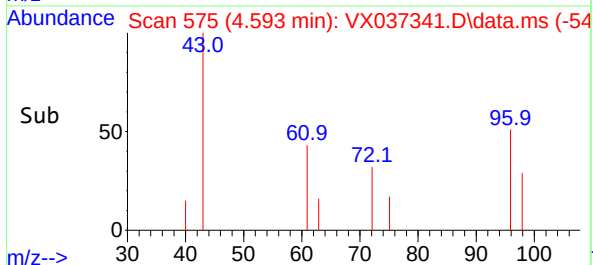
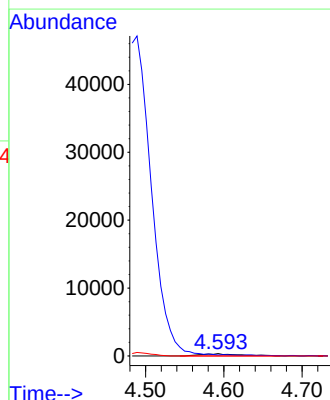
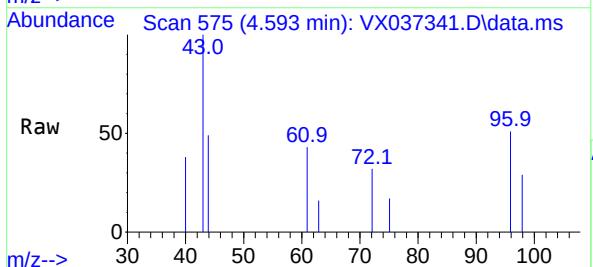
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

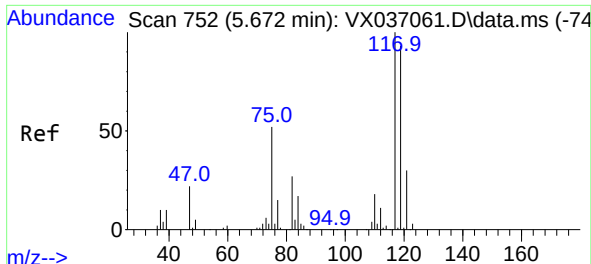
Tgt Ion: 75 Resp: 11007
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.474 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.122 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

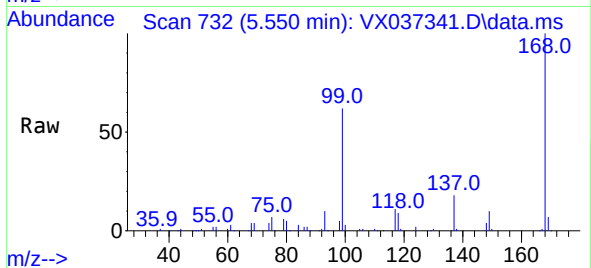
Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



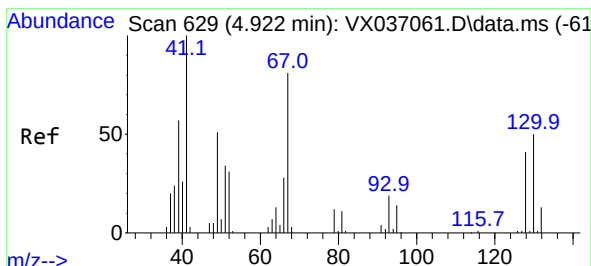
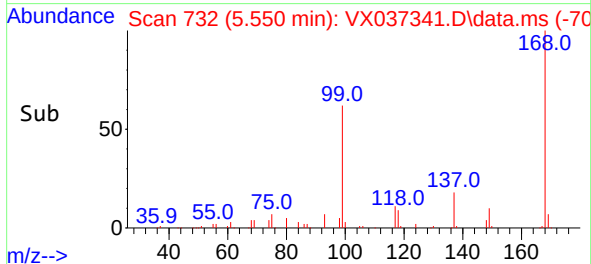
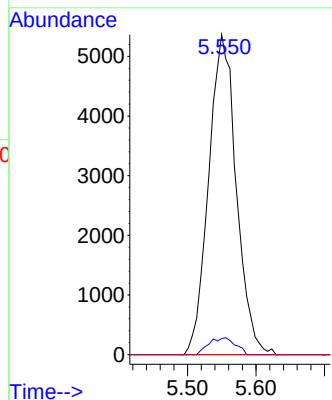


#38
Carbon Tetrachloride
Concen: 6.294 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

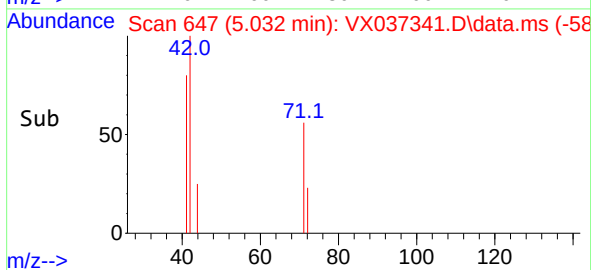
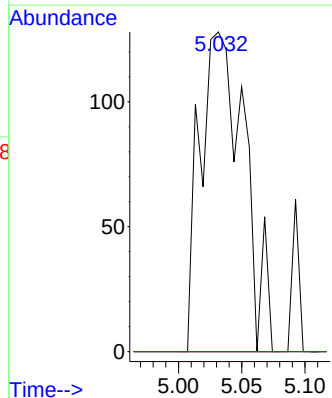
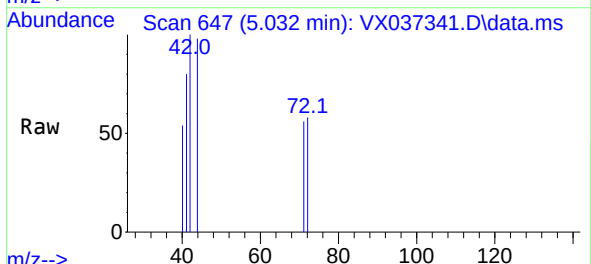


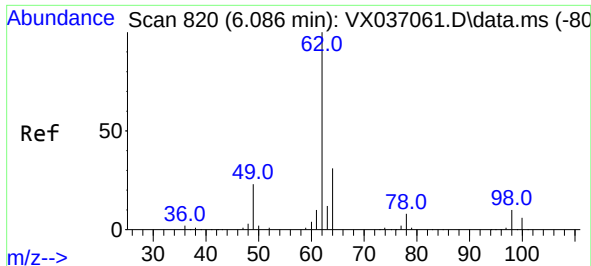
Tgt Ion:117 Resp: 15042
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.268 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 41 Resp: 313
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 3.778 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX037341.D

Acq: 29 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

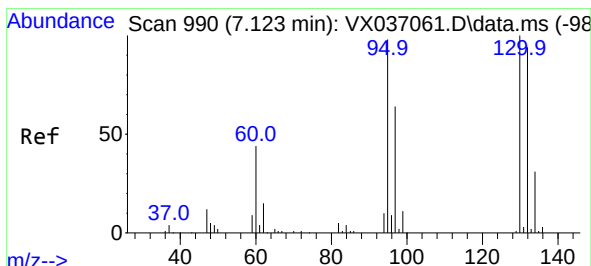
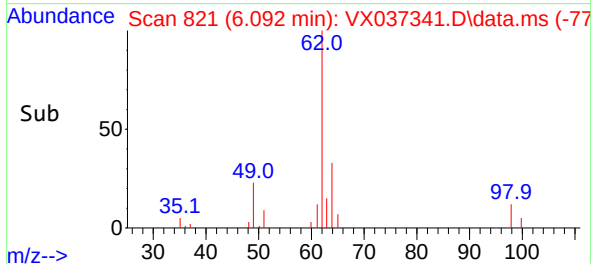
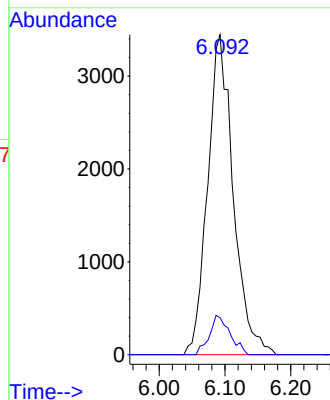
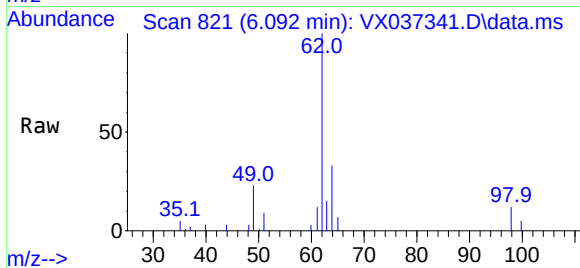
OW-07B-67-082823-H

Tgt Ion: 62 Resp: 9349

Ion Ratio Lower Upper

62 100

98 9.9 0.0 16.0



#44

Trichloroethene

Concen: 21.055 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037341.D

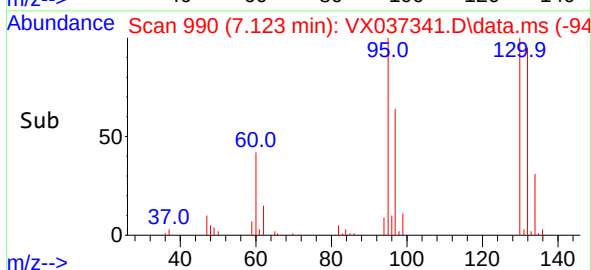
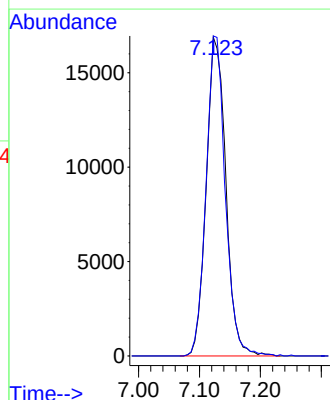
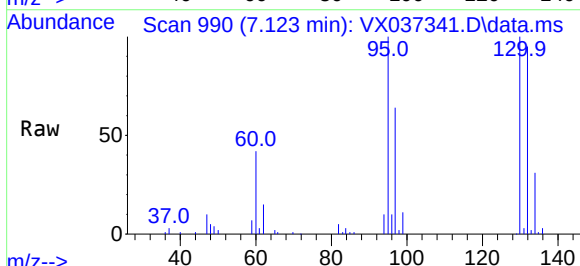
Acq: 29 Aug 2023 14:51

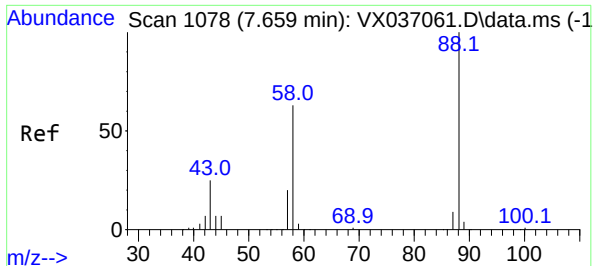
Tgt Ion:130 Resp: 37674

Ion Ratio Lower Upper

130 100

95 100.4 0.0 204.4





#49

1,4-Dioxane

Concen: 98.474 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX037341.D

Acq: 29 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-67-082823-H

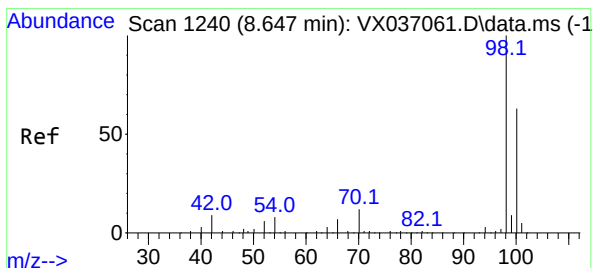
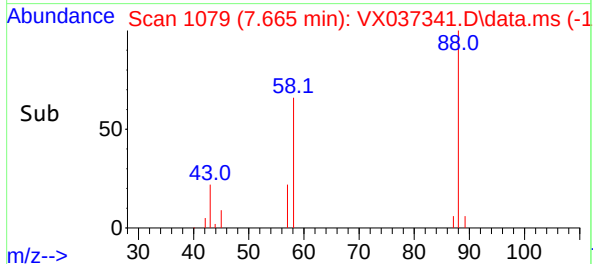
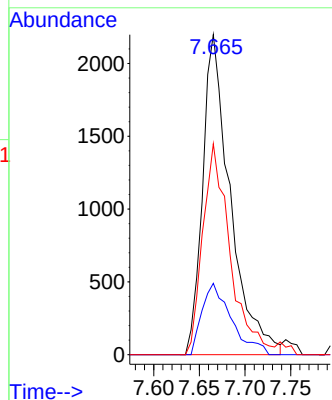
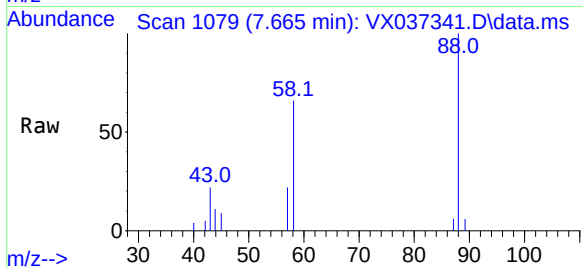
Tgt Ion: 88 Resp: 4615

Ion Ratio Lower Upper

88 100

43 23.7 0.0 0.0#

58 65.3 60.1 90.1



#50

Toluene-d8

Concen: 48.363 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037341.D

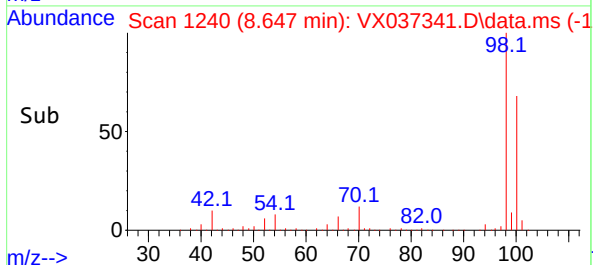
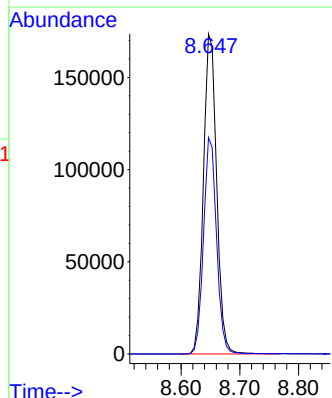
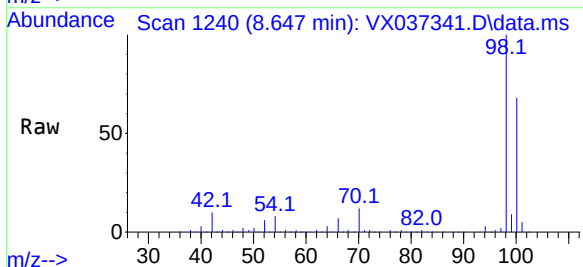
Acq: 29 Aug 2023 14:51

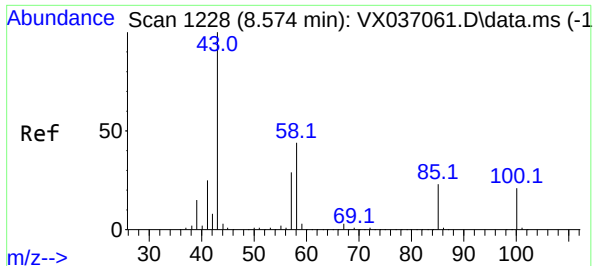
Tgt Ion: 98 Resp: 271678

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

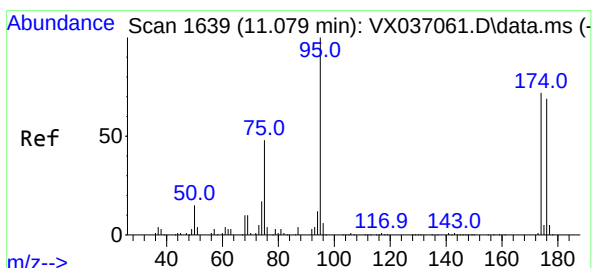
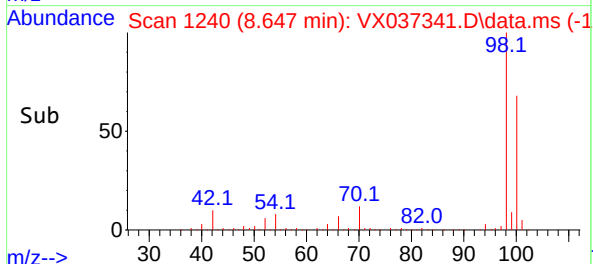
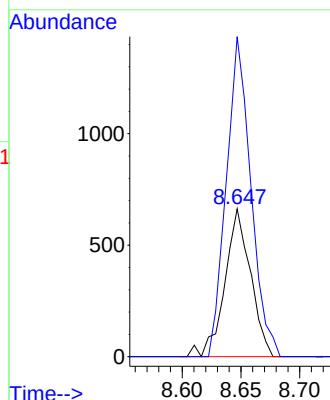
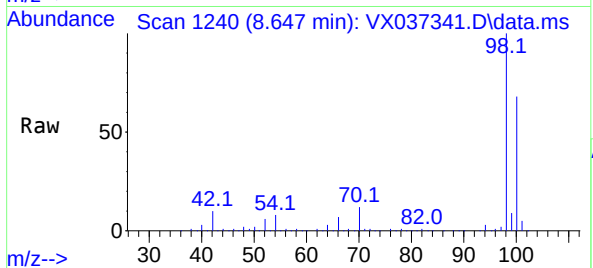




#51
4-Methyl-2-Pentanone
Concen: 0.466 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

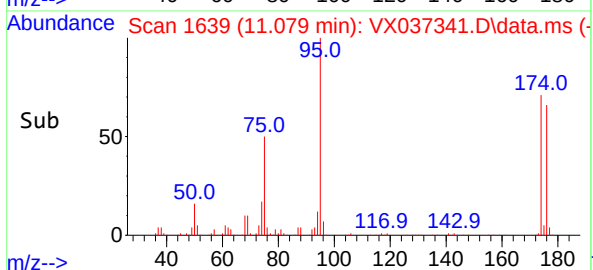
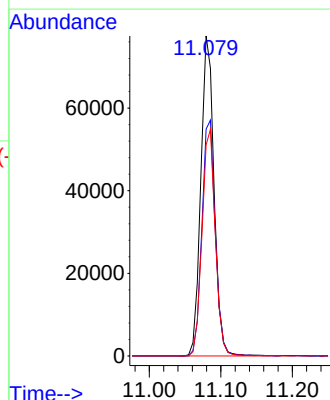
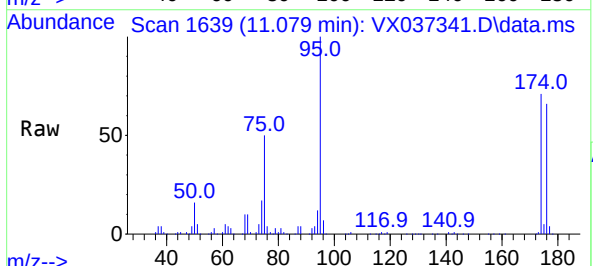
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

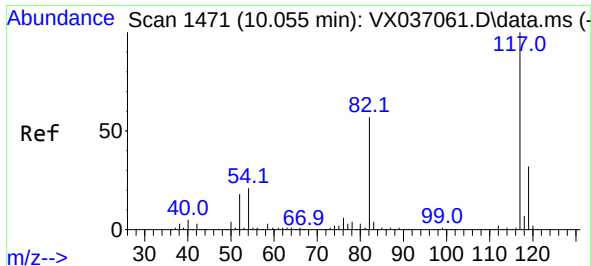
Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 206.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.952 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 95 Resp: 99236
Ion Ratio Lower Upper
95 100
174 74.8 0.0 135.6
176 71.2 0.0 131.0

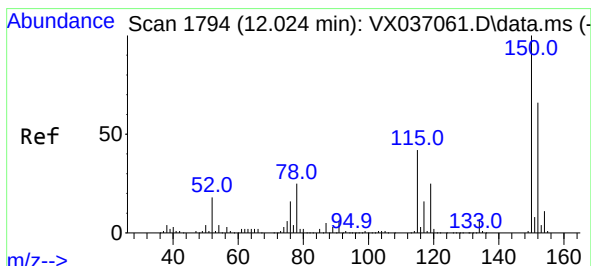
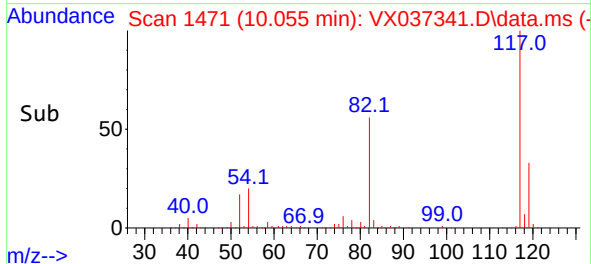
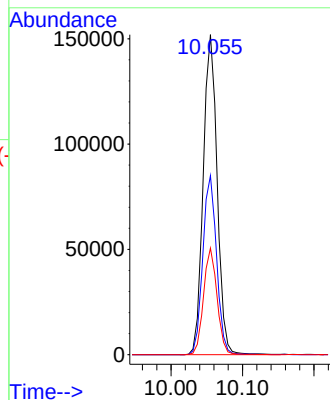
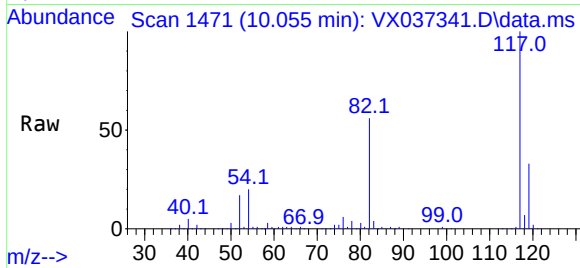




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

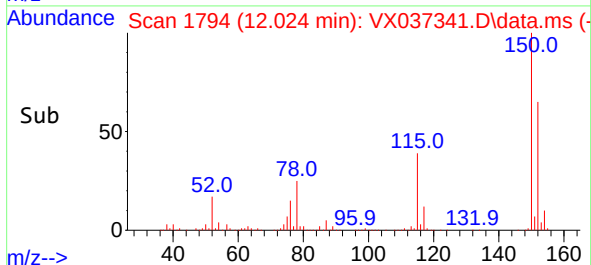
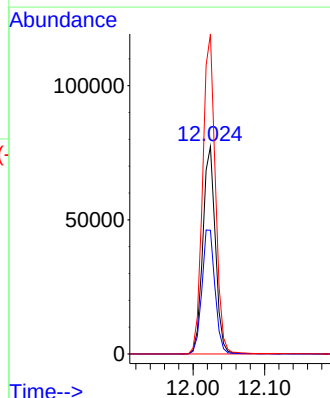
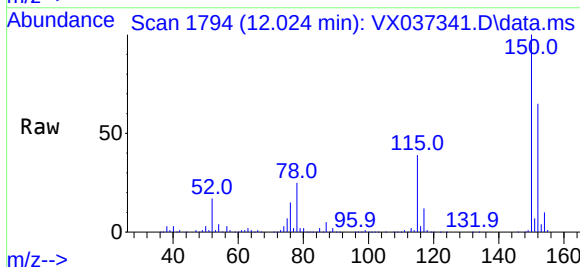
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

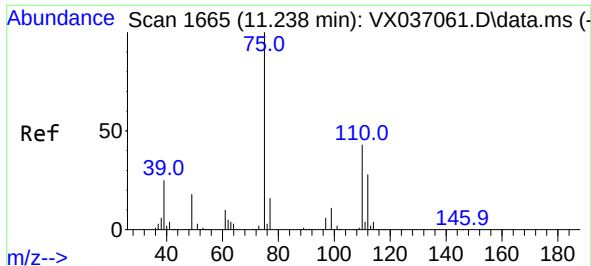
Tgt Ion:117 Resp: 206019
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 33.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion:152 Resp: 94376
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 155.8 0.0 345.0

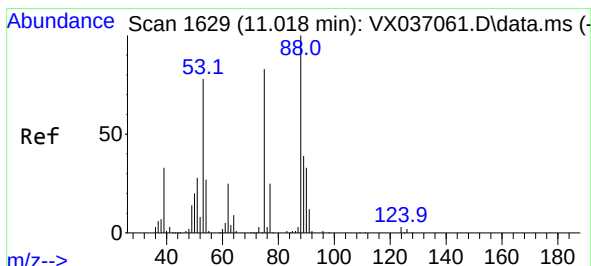
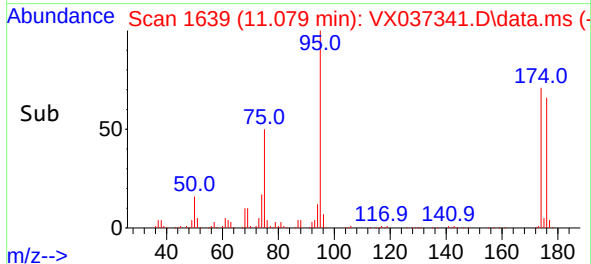
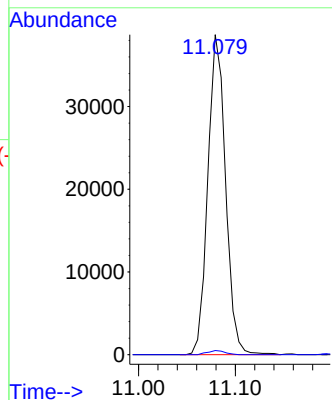
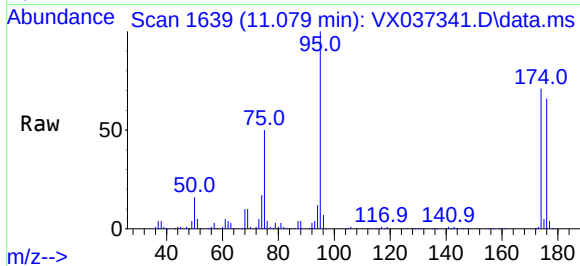




#76
1,2,3-Trichloropropane
Concen: 24.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-67-082823-H

Tgt Ion: 75 Resp: 49374
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.612 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037341.D
Acq: 29 Aug 2023 14:51

Tgt Ion: 75 Resp: 49374
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

