

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037447.D
 Acq On : 31 Aug 2023 21:56
 Operator : JC/MD
 Sample : 04251-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-083023-3V

Quant Time: Sep 01 03:18:25 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)

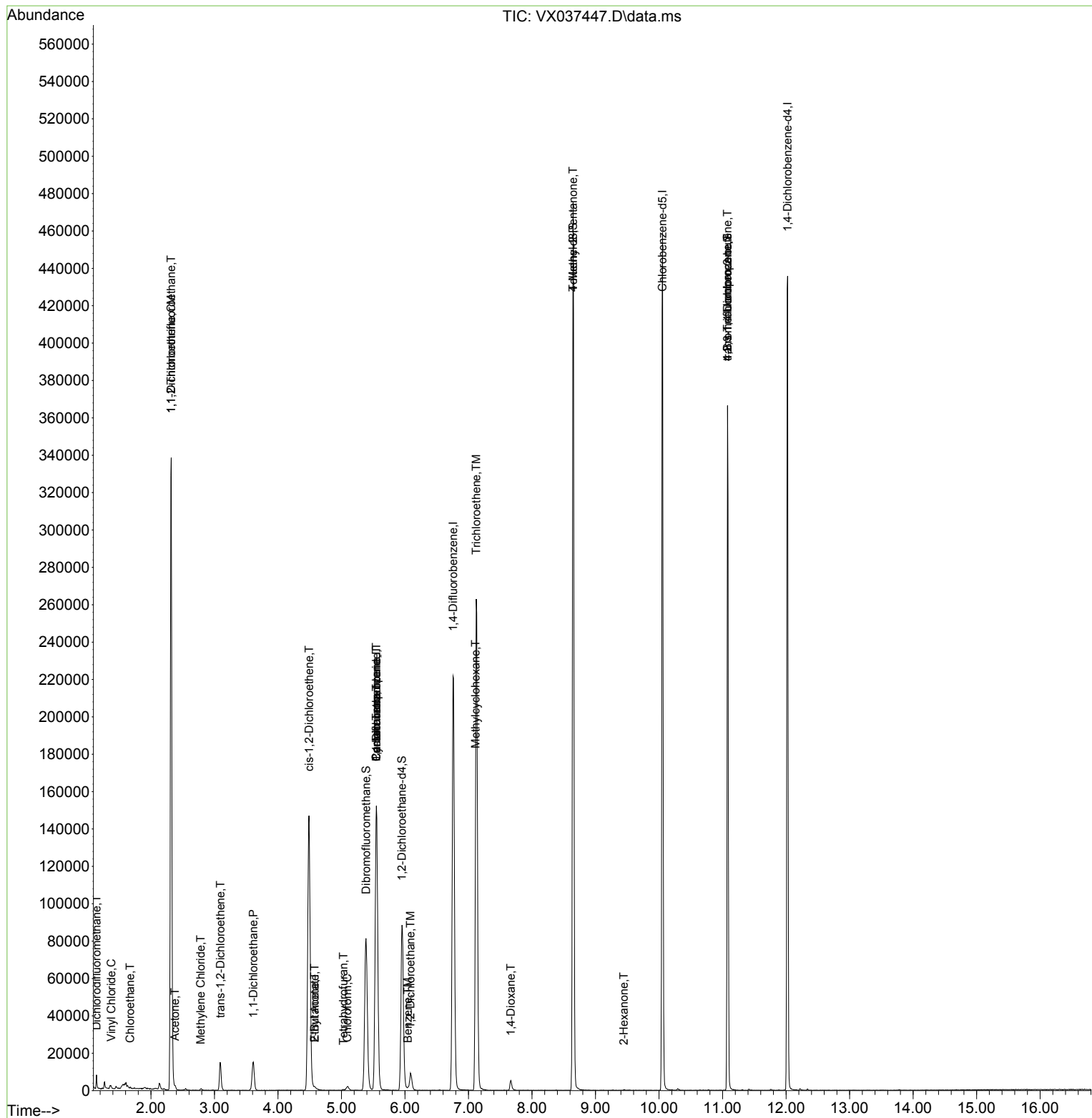
Internal Standards						
1) Pentafluorobenzene	5.550	168	144415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	240081	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88918	42.708	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.420%		
35) Dibromofluoromethane	5.385	113	74342	46.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.520%		
50) Toluene-d8	8.647	98	283210	49.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.200%		
62) 4-Bromofluorobenzene	11.079	95	101598	44.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	476	0.284	ug/l	91
4) Vinyl Chloride	1.374	62	653	0.409	ug/l #	77
6) Chloroethane	1.672	64	250	0.266	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	712	0.466	ug/l #	64
12) 1,1-Dichloroethene	2.319	96	120018	80.733	ug/l	83
16) Acetone	2.379	43	1921	2.359	ug/l #	87
20) Methylene Chloride	2.782	84	504	0.277	ug/l #	68
21) trans-1,2-Dichloroethene	3.093	96	6705	3.968	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	17821	6.019	ug/l	99
25) 2-Butanone	4.574	43	2742	2.236	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	98753	49.568	ug/l	79
29) Tetrahydrofuran	5.031	42	383	0.490	ug/l #	69
30) Chloroform	5.092	83	2673	0.804	ug/l	89
31) Cyclohexane	5.550	56	2700	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11166	4.943	ug/l #	50
37) Ethyl Acetate	4.574	43	2742	1.188	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15153	6.175	ug/l #	16
39) Methylcyclohexane	7.110	83	1337	0.563	ug/l #	1
40) Benzene	6.043	78	1437	0.222	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	10297	4.053	ug/l	95
44) Trichloroethene	7.123	130	106663	58.061	ug/l	95
49) 1,4-Dioxane	7.665	88	4675	97.160	ug/l #	88
51) 4-Methyl-2-Pentanone	8.647	43	1028	0.462	ug/l #	1
59) 2-Hexanone	9.445	43	348	0.205	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50174	24.530	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50174	68.514	ug/l #	5

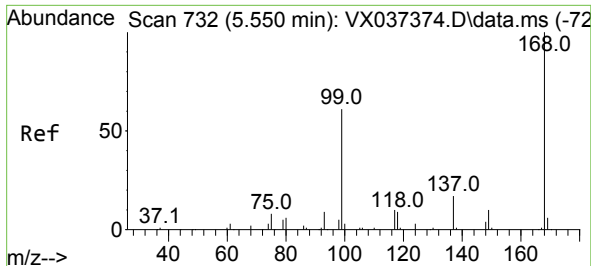
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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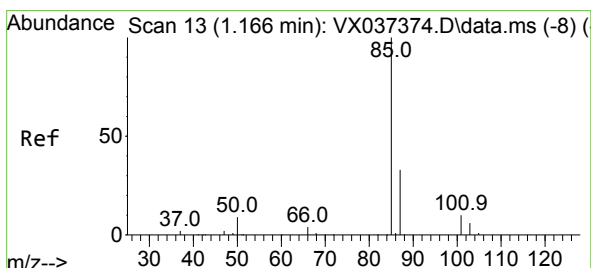
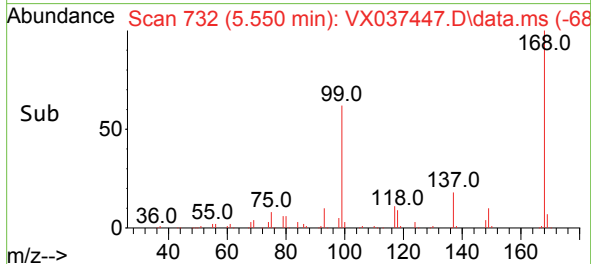
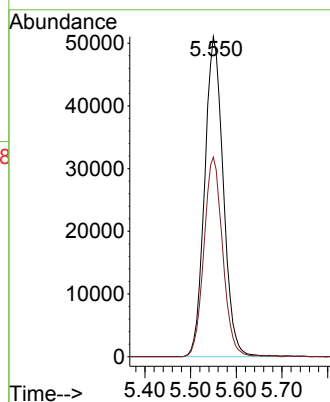
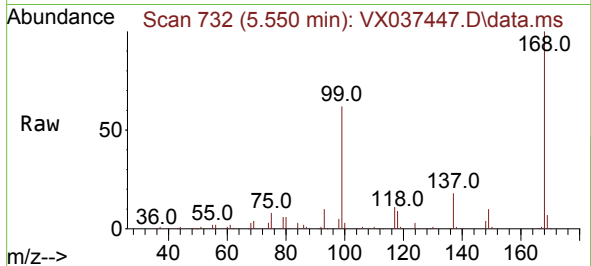




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

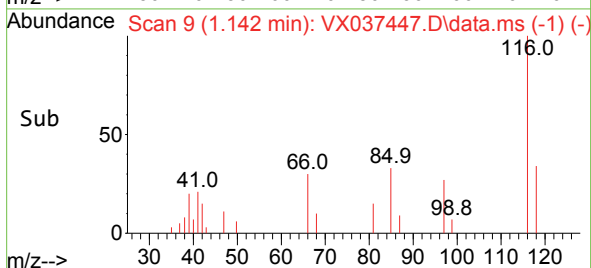
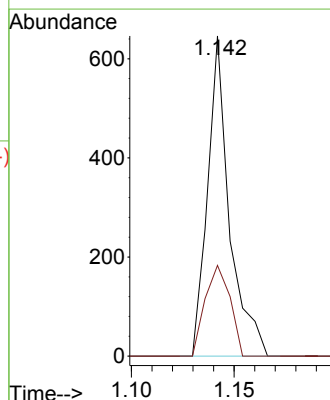
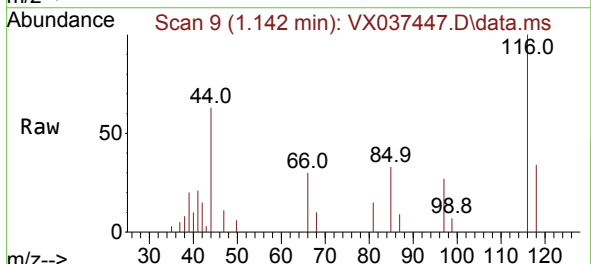
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

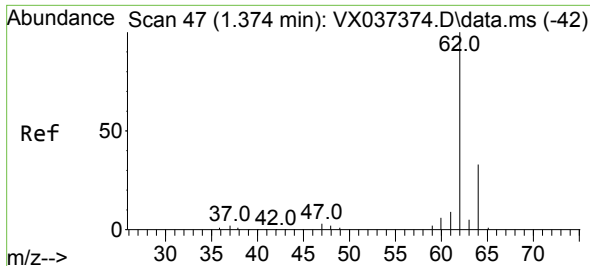
Tgt Ion:168 Resp: 144415
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.284 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 85 Resp: 476
Ion Ratio Lower Upper
85 100
87 28.3 16.7 50.1

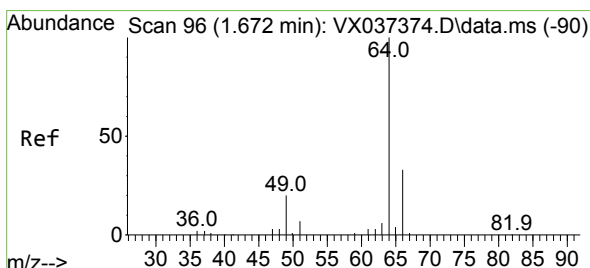
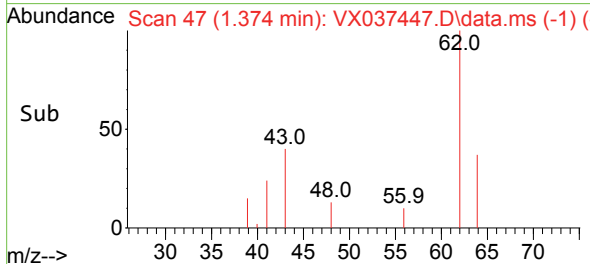
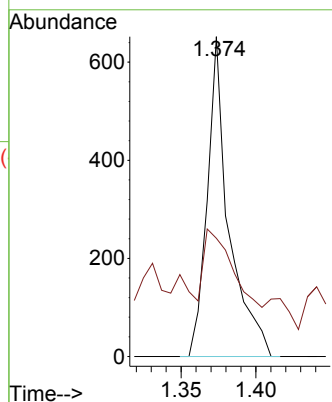
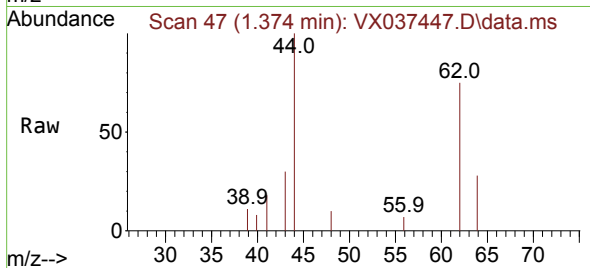




#4
 Vinyl Chloride
 Concen: 0.409 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX037447.D
 Acq: 31 Aug 2023 21:56

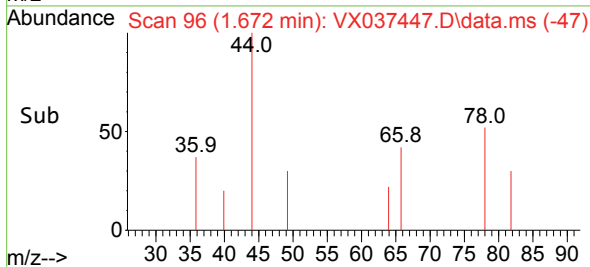
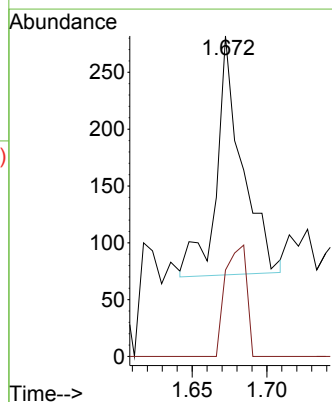
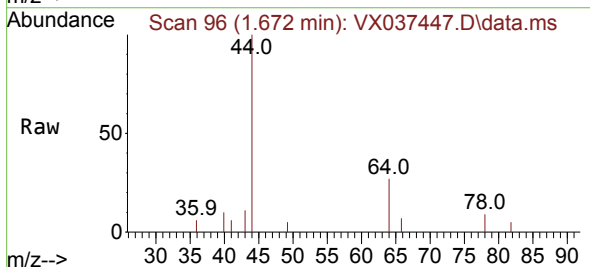
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-083023-3V

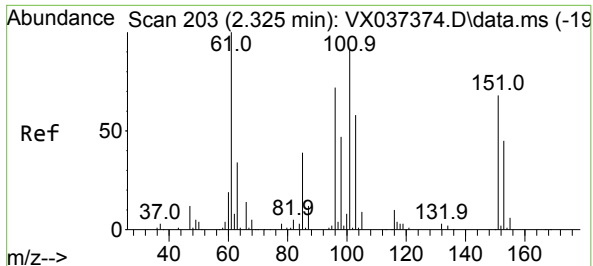
Tgt Ion: 62 Resp: 653
 Ion Ratio Lower Upper
 62 100
 64 18.9 25.4 38.0#



#6
 Chloroethane
 Concen: 0.266 ug/l
 RT: 1.672 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VX037447.D
 Acq: 31 Aug 2023 21:56

Tgt Ion: 64 Resp: 250
 Ion Ratio Lower Upper
 64 100
 66 36.7 25.1 37.7

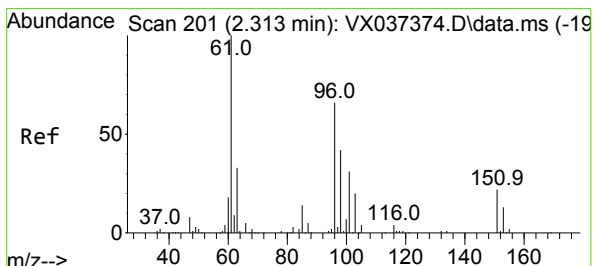
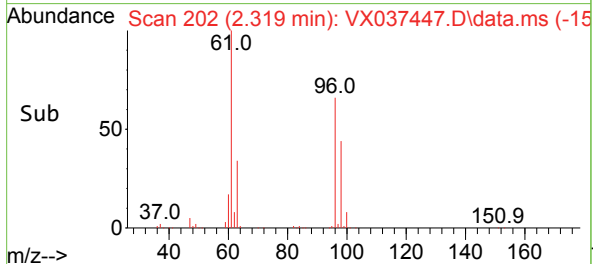
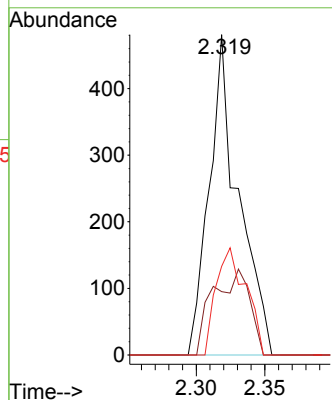
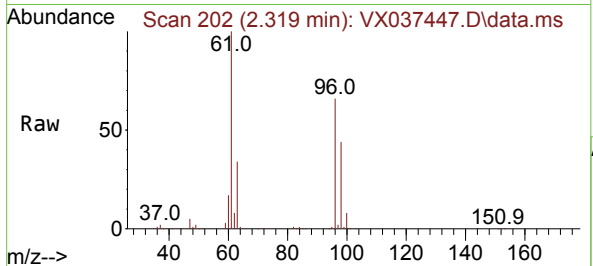




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

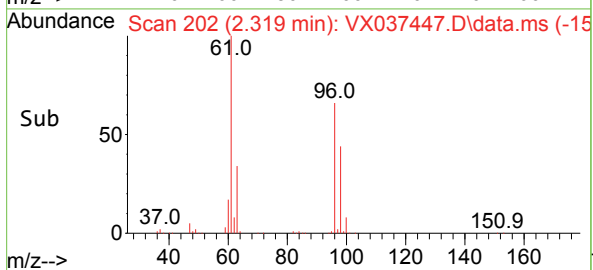
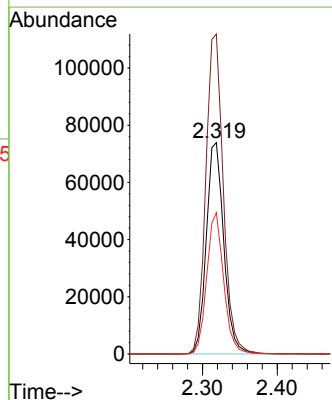
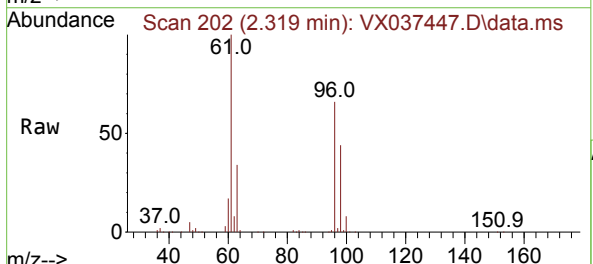
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

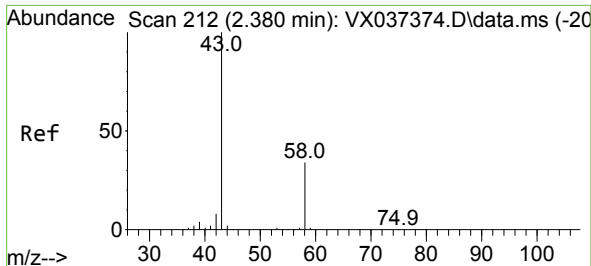
Tgt Ion:101 Resp: 712
Ion Ratio Lower Upper
101 100
85 33.6 37.0 55.6#
151 34.3 58.6 87.8#



#12
1,1-Dichloroethene
Concen: 80.733 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 96 Resp: 120018
Ion Ratio Lower Upper
96 100
61 151.4 144.6 216.8
98 66.9 50.4 75.6

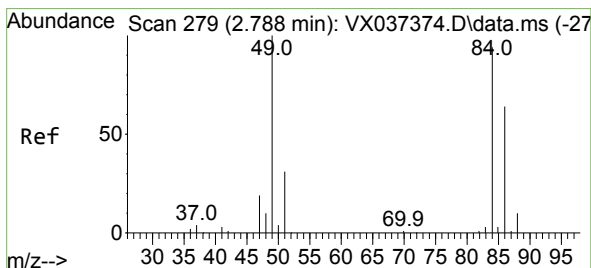
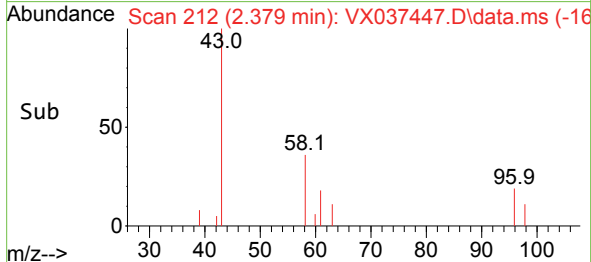
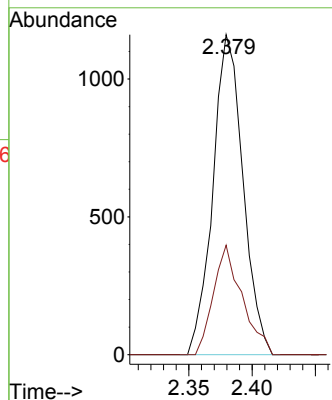
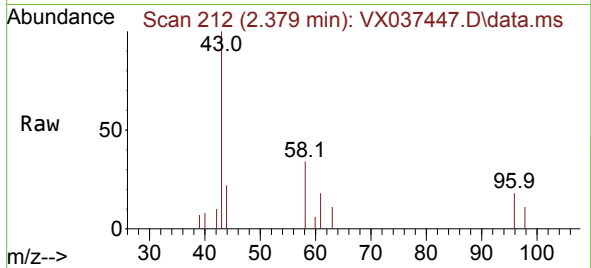




#16
Acetone
Concen: 2.359 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

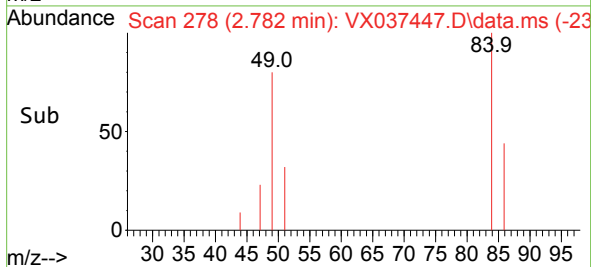
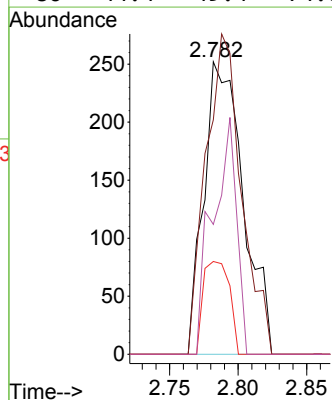
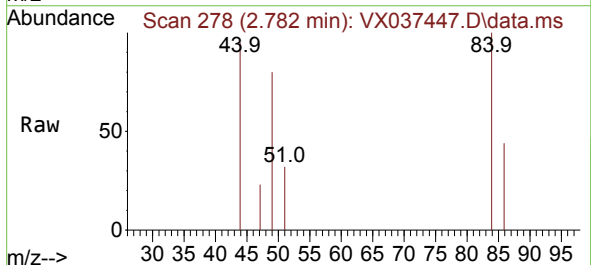
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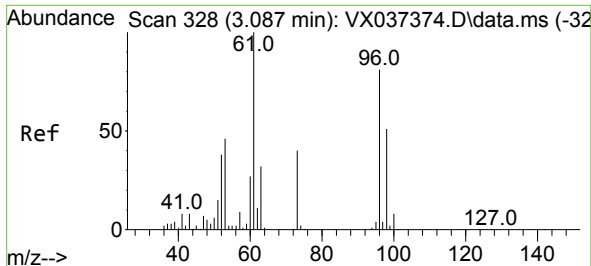
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
58 34.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 84 Resp: 504
Ion Ratio Lower Upper
84 100
49 80.2 103.6 155.4#
51 31.7 33.8 50.6#
86 44.4 49.4 74.0#

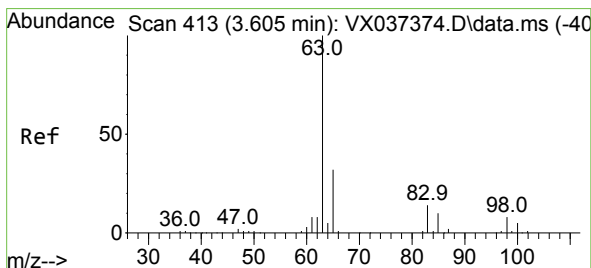
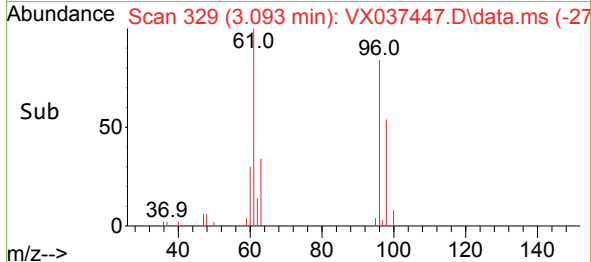
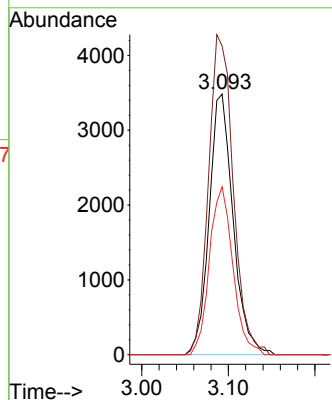
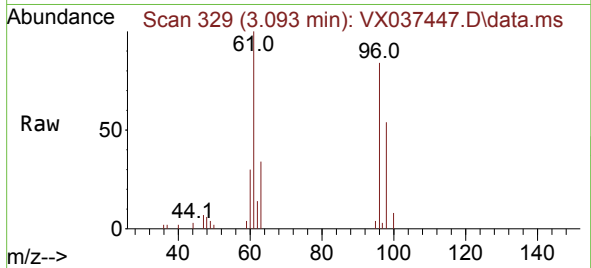




#21
trans-1,2-Dichloroethene
Concen: 3.968 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

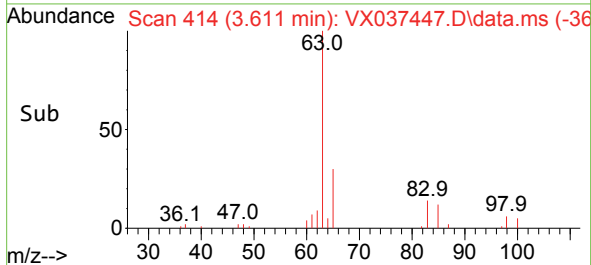
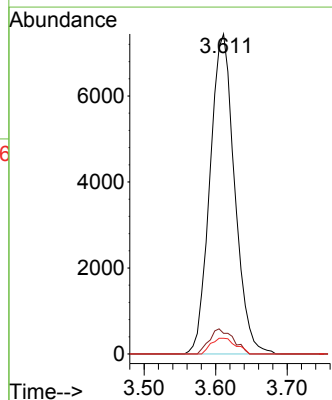
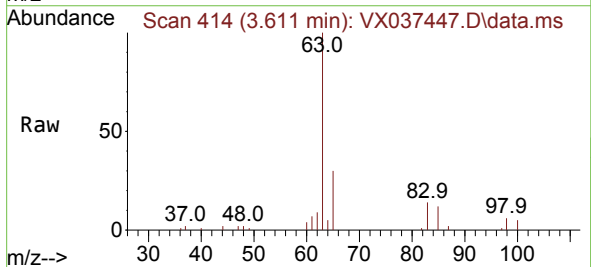
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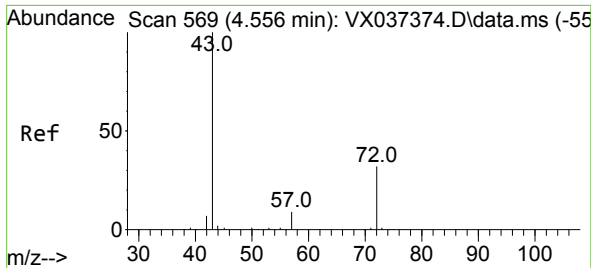
Tgt Ion: 96 Resp: 6705
Ion Ratio Lower Upper
96 100
61 118.5 119.2 178.8#
98 64.4 48.7 73.1



#24
1,1-Dichloroethane
Concen: 6.019 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 63 Resp: 17821
Ion Ratio Lower Upper
63 100
98 6.5 3.3 9.8
100 4.9 2.1 6.5

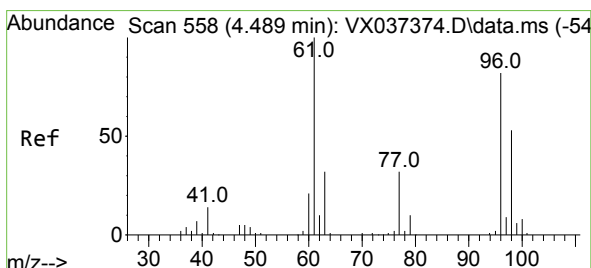
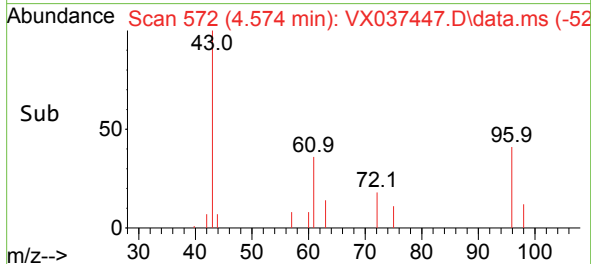
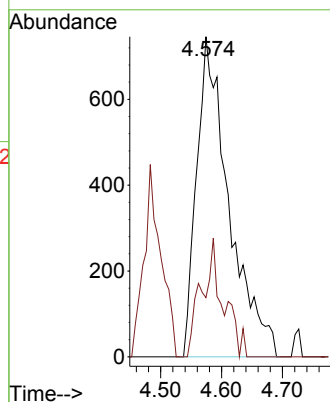
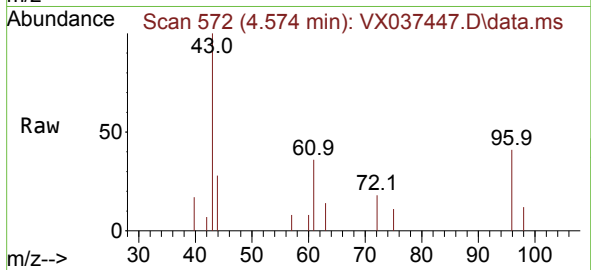




#25
2-Butanone
Concen: 2.236 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

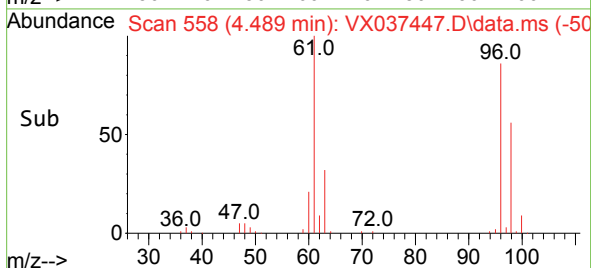
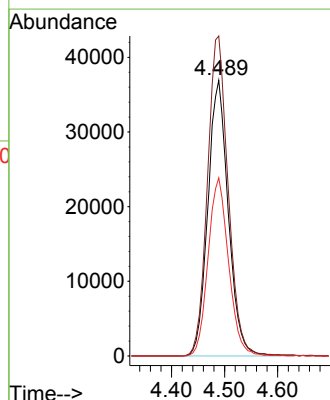
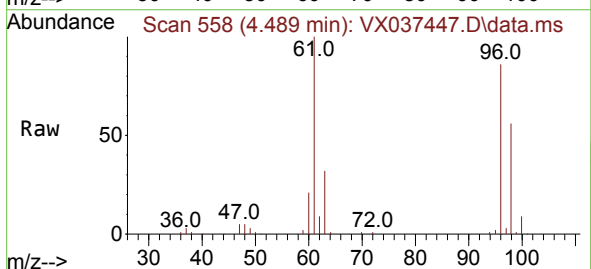
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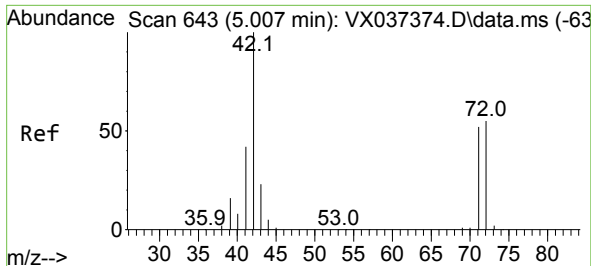
Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
72 18.5 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 49.568 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 96 Resp: 98753
Ion Ratio Lower Upper
96 100
61 117.5 0.0 312.2
98 64.7 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037447.D

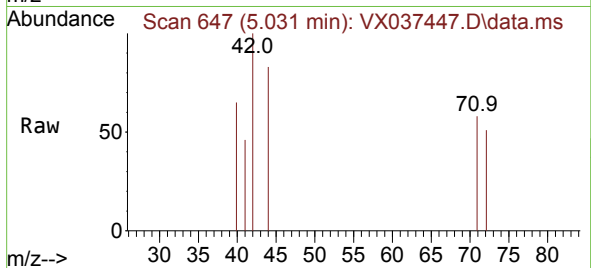
Acq: 31 Aug 2023 21:56

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-083023-3V



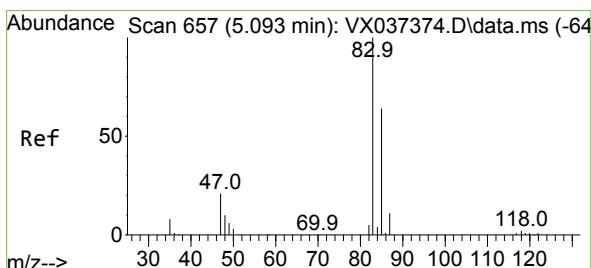
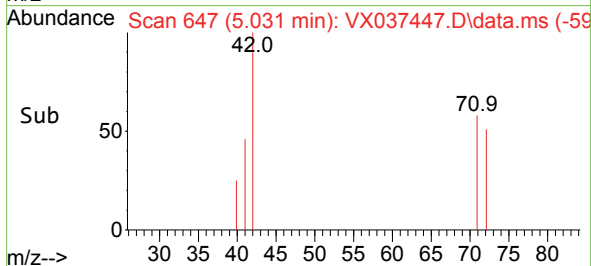
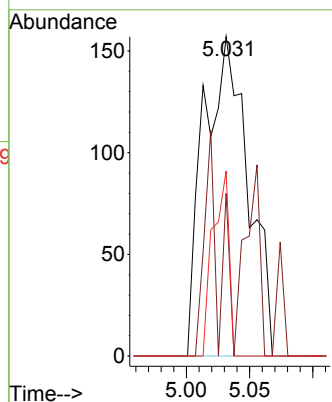
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 23.0 34.2 51.4#

71 20.9 32.2 48.2#



#30

Chloroform

Concen: 0.804 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037447.D

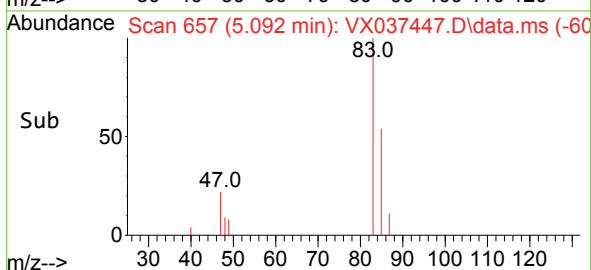
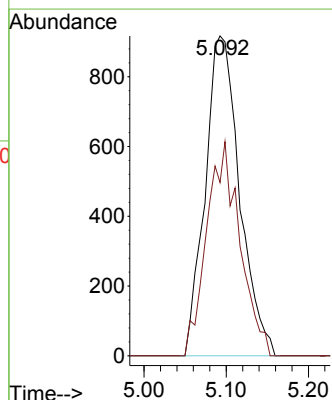
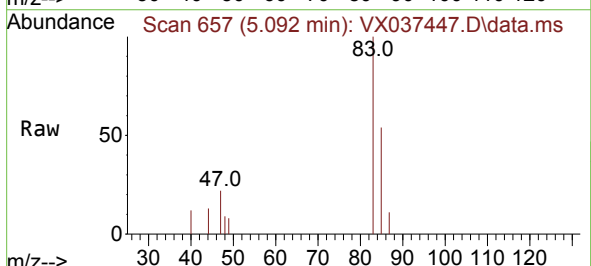
Acq: 31 Aug 2023 21:56

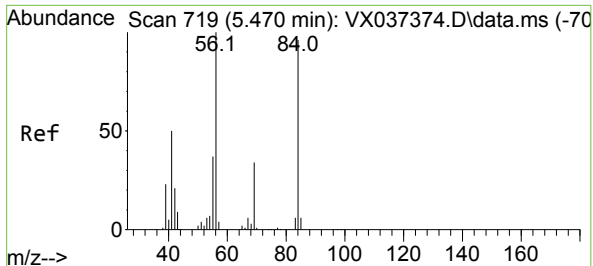
Tgt Ion: 83 Resp: 2673

Ion Ratio Lower Upper

83 100

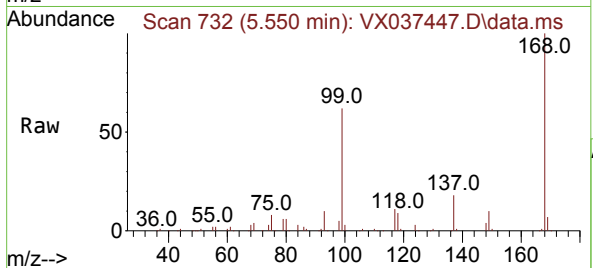
85 54.2 50.3 75.5



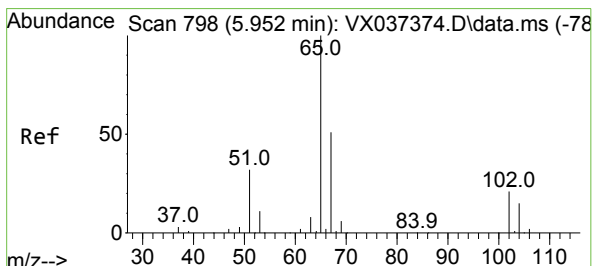
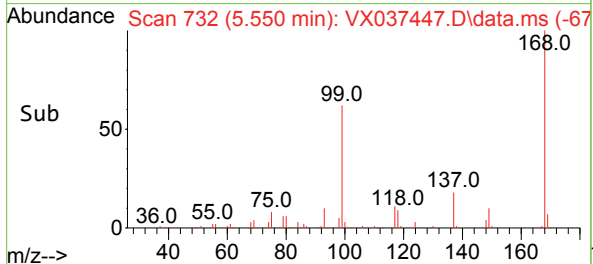
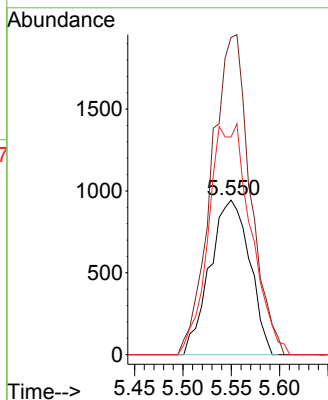


#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

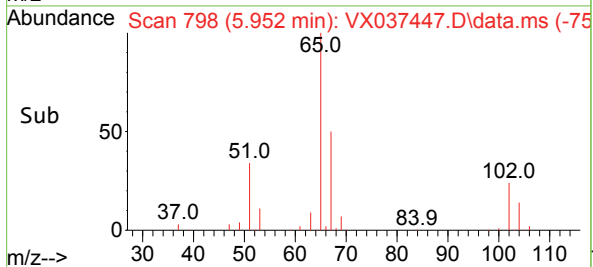
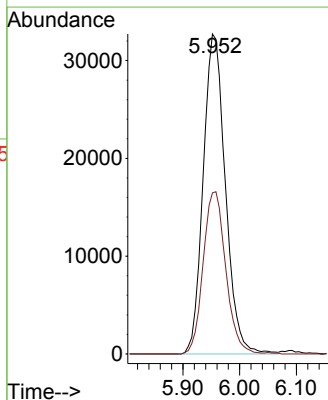
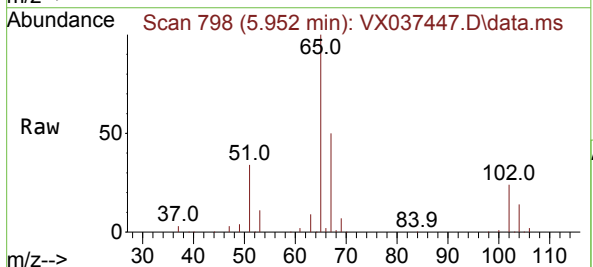


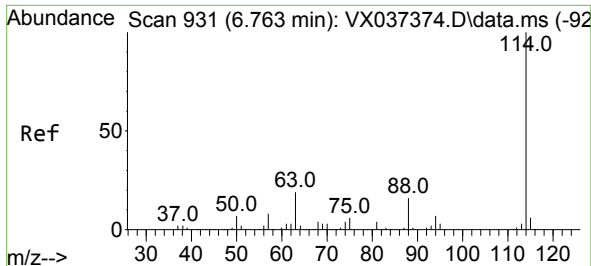
Tgt Ion: 56 Resp: 2700
Ion Ratio Lower Upper
56 100
69 205.2 23.4 35.2#
84 140.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.708 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 65 Resp: 88918
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

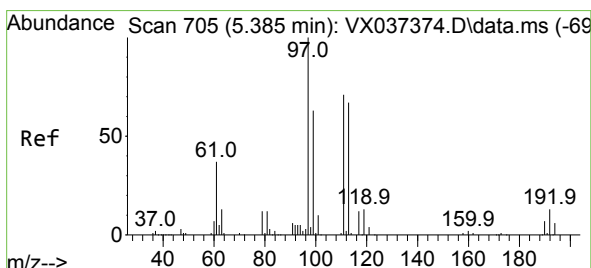
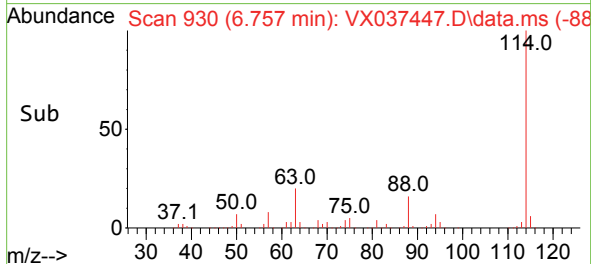
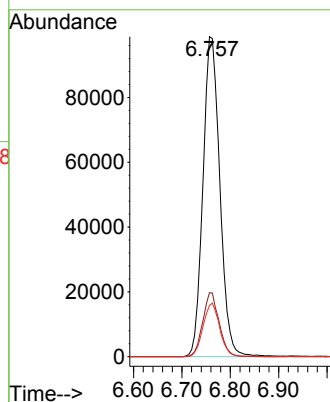
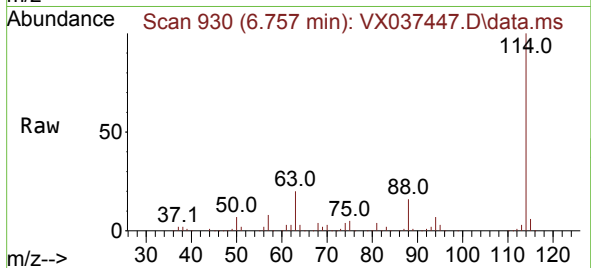




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

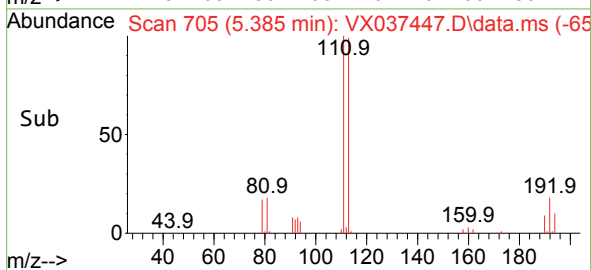
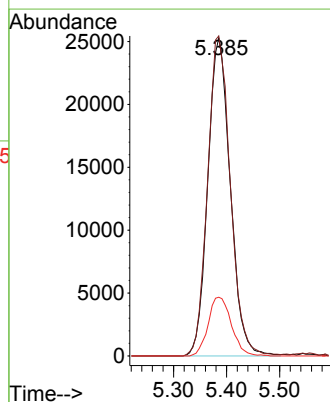
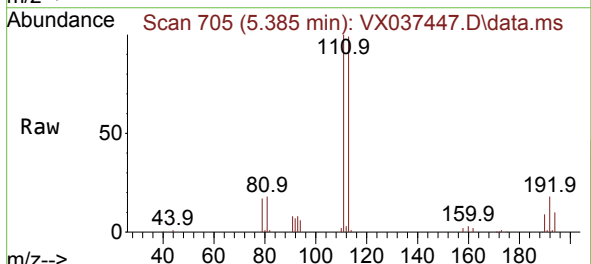
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

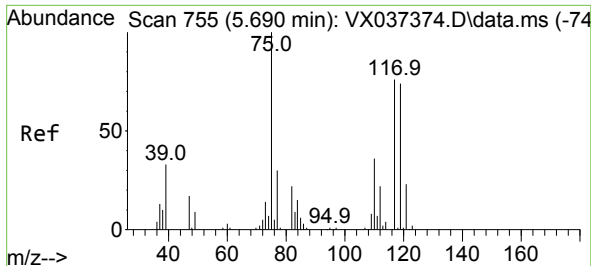
Tgt Ion:114 Resp: 240081
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.756 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion:113 Resp: 74342
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 19.2 13.3 19.9

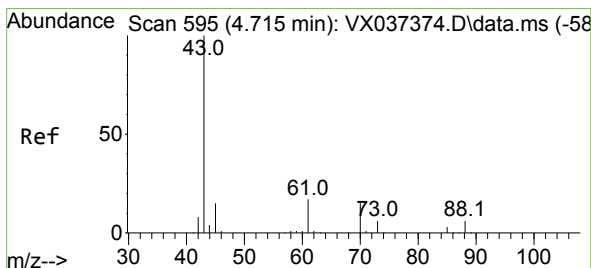
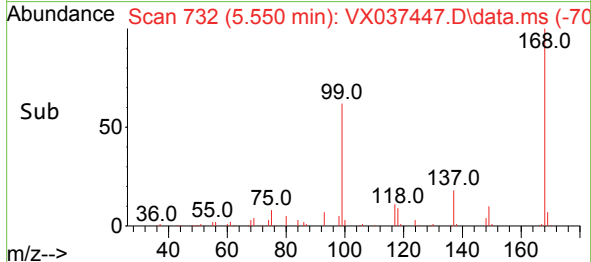
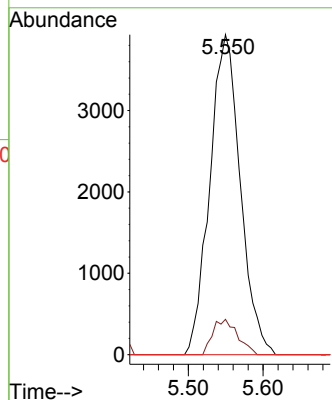
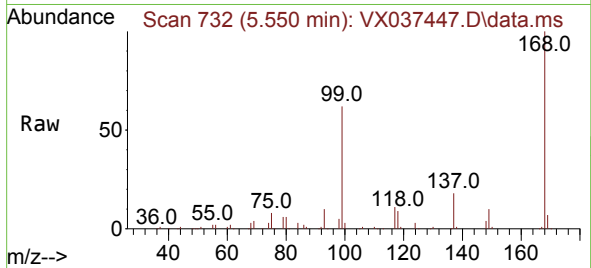




#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

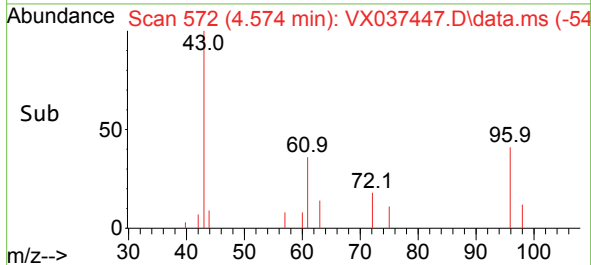
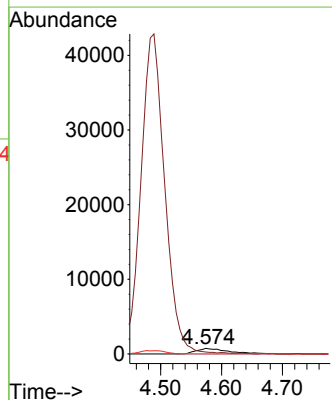
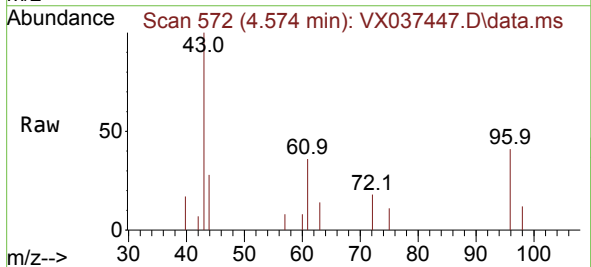
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

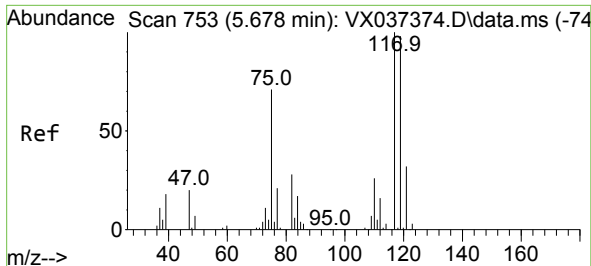
Tgt Ion: 75 Resp: 11166
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.188 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

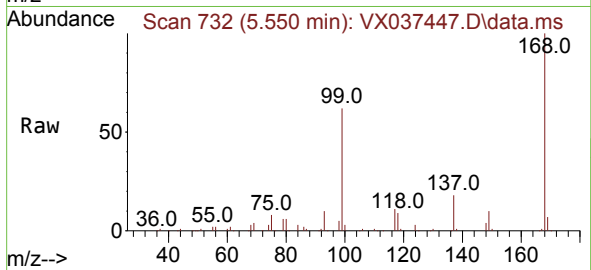
Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



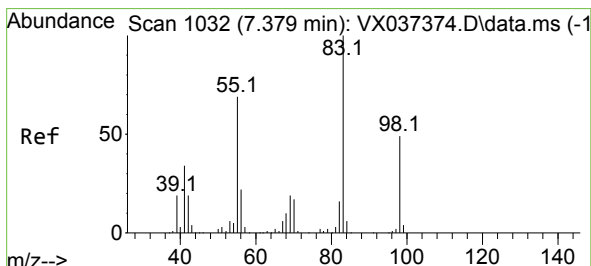
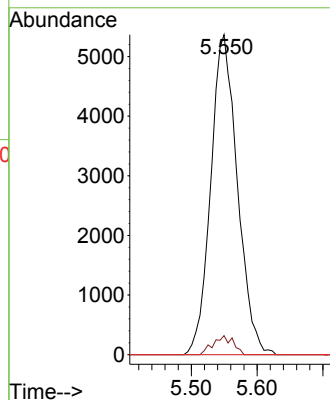
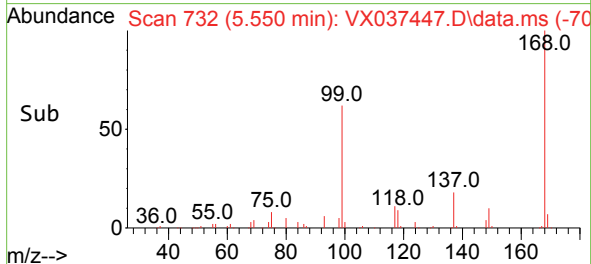


#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

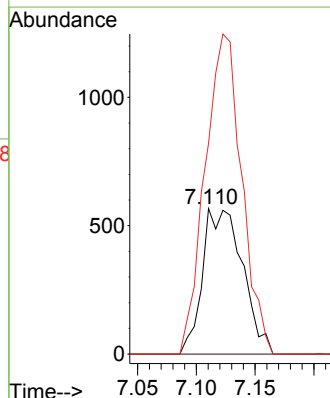
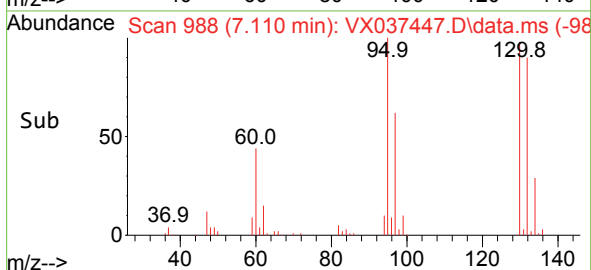
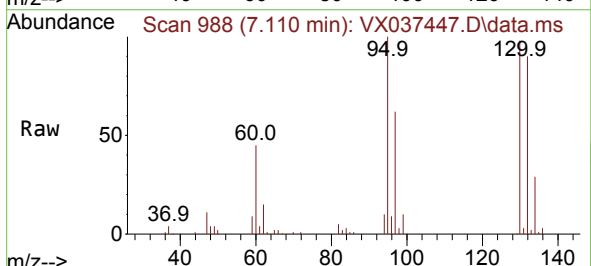


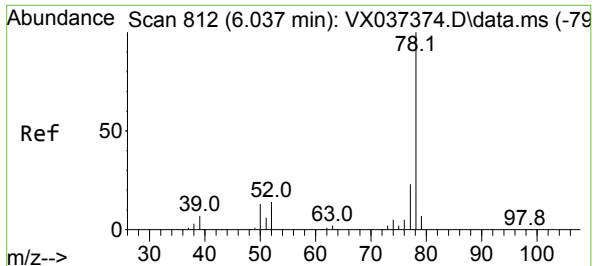
Tgt Ion:117 Resp: 15153
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.563 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.268 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 144.6 36.7 55.1#

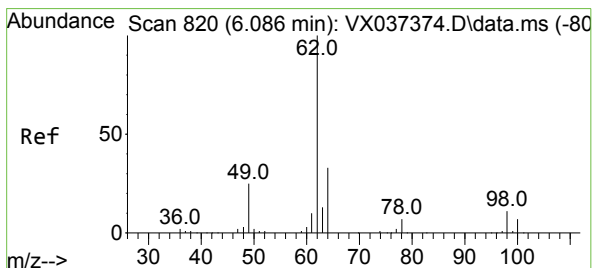
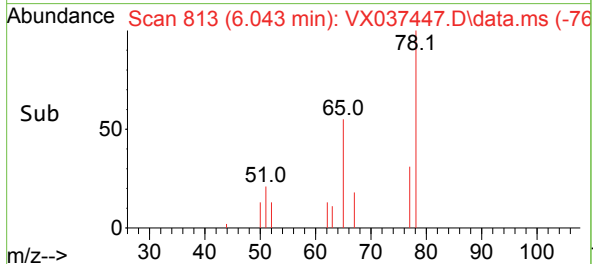
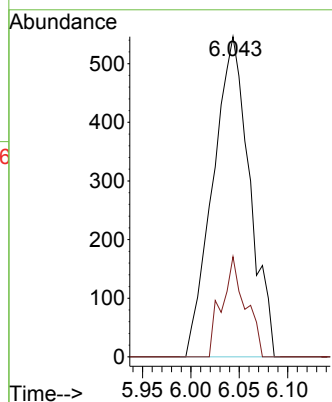
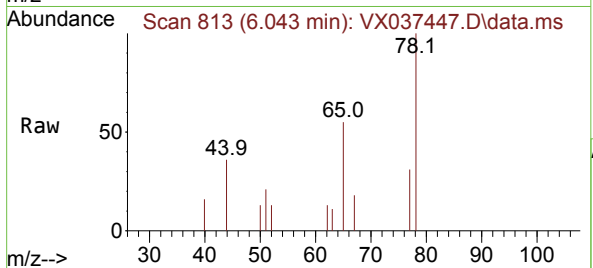




#40
Benzene
Concen: 0.222 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

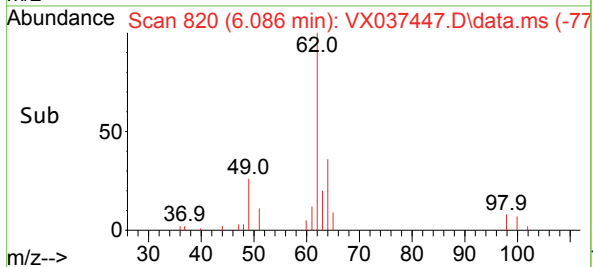
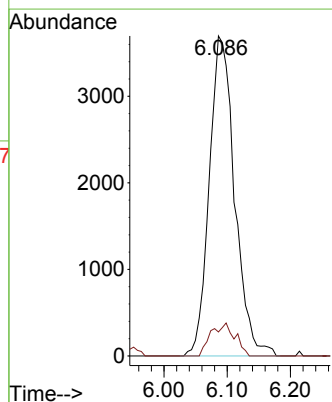
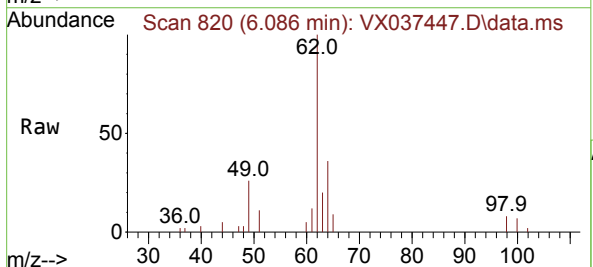
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

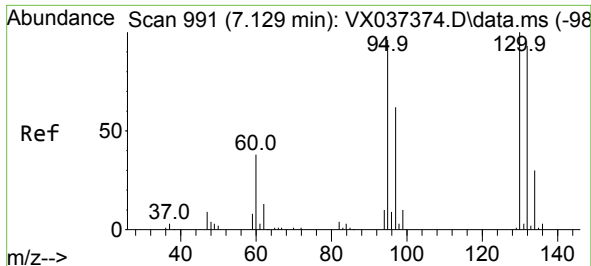
Tgt Ion: 78 Resp: 1437
Ion Ratio Lower Upper
78 100
77 31.3 19.3 28.9#



#42
1,2-Dichloroethane
Concen: 4.053 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 62 Resp: 10297
Ion Ratio Lower Upper
62 100
98 9.8 0.0 16.0

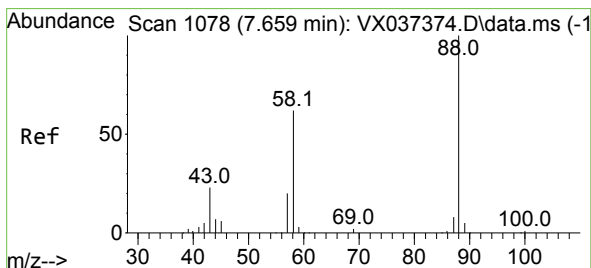
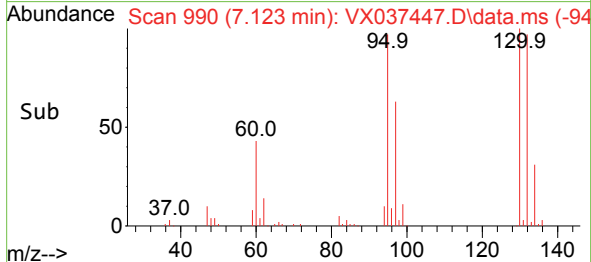
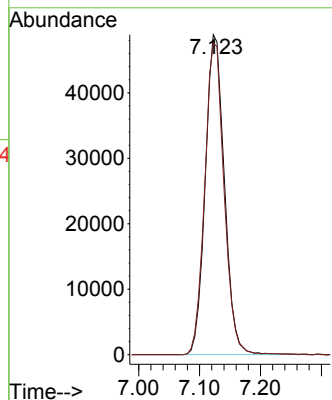
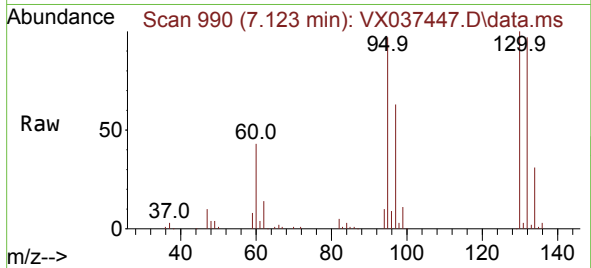




#44
Trichloroethene
Concen: 58.061 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

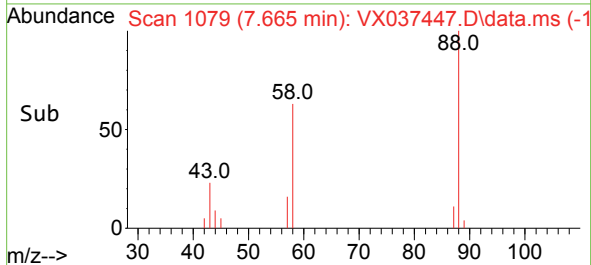
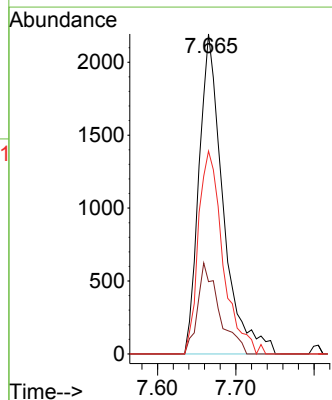
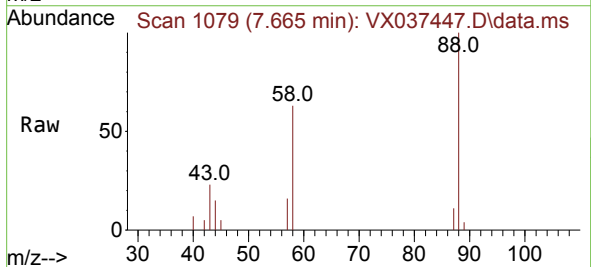
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

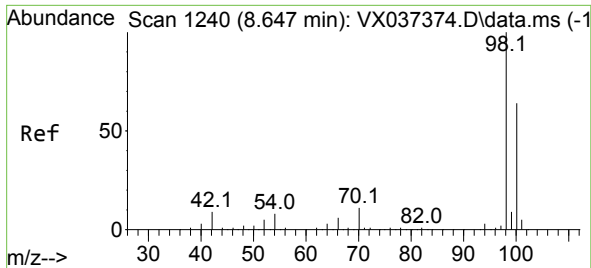
Tgt Ion:130 Resp: 106663
Ion Ratio Lower Upper
130 100
95 97.4 0.0 204.4



#49
1,4-Dioxane
Concen: 97.160 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 88 Resp: 4675
Ion Ratio Lower Upper
88 100
43 25.5 0.0 0.0#
58 65.0 60.1 90.1

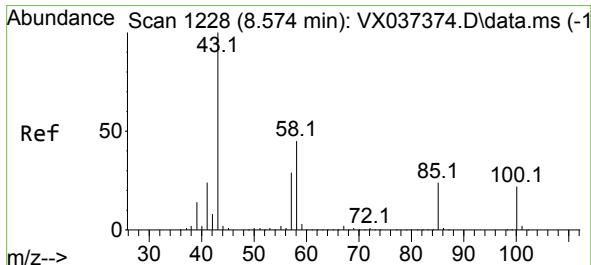
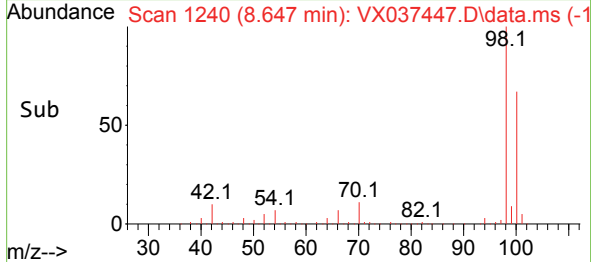
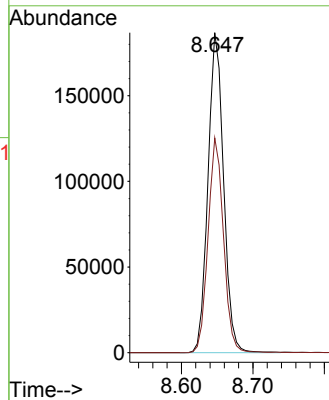
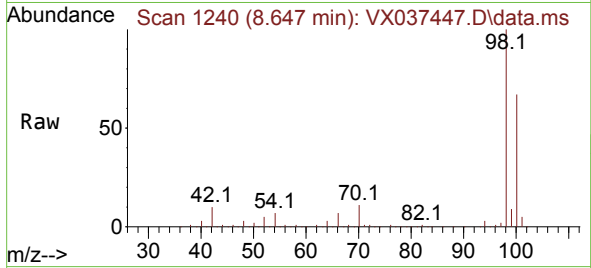




#50
Toluene-d8
Concen: 49.104 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

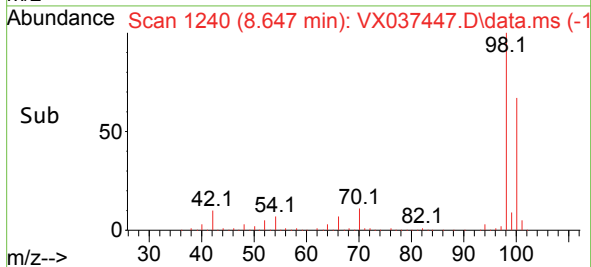
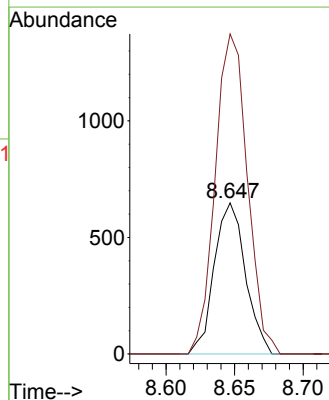
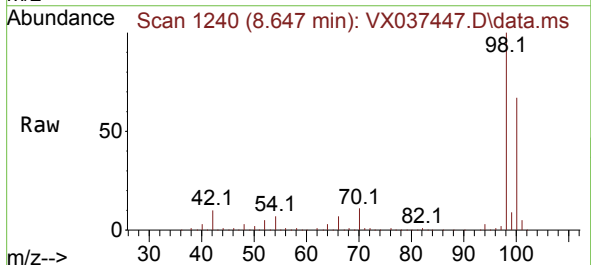
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

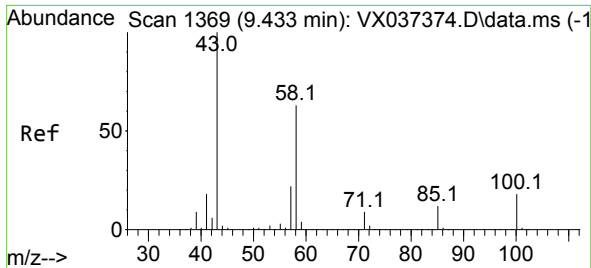
Tgt Ion: 98 Resp: 283210
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 218.1 30.4 45.6#

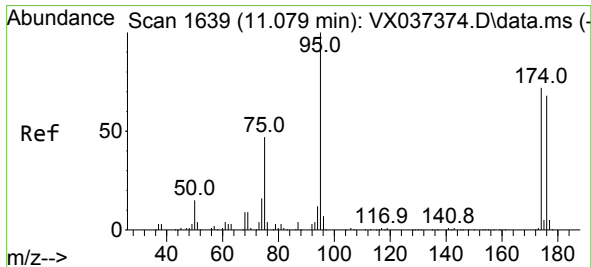
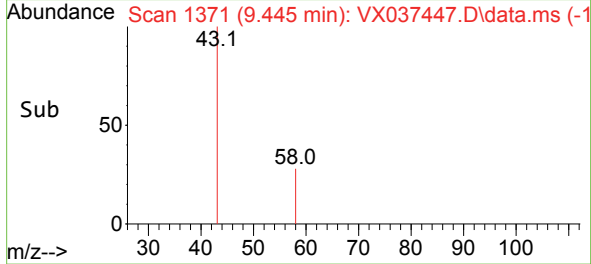
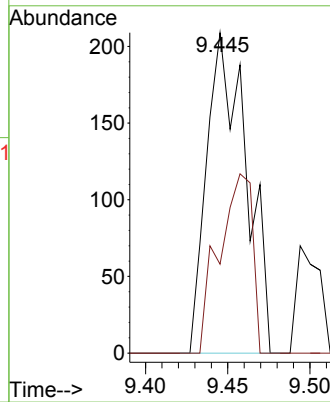
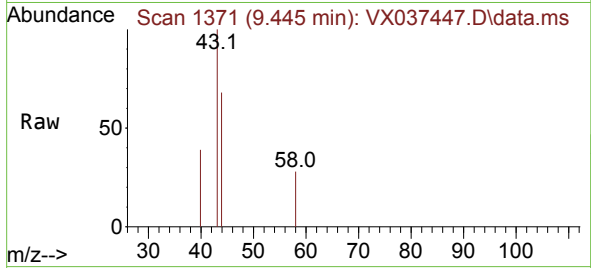




#59
2-Hexanone
Concen: 0.205 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

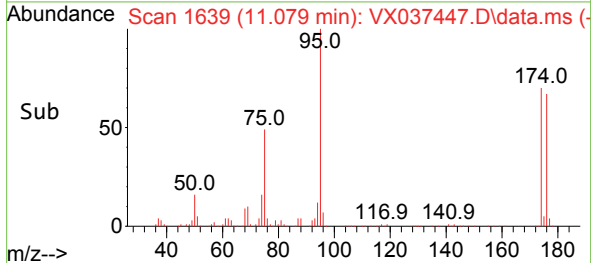
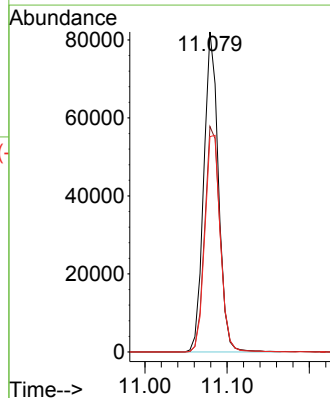
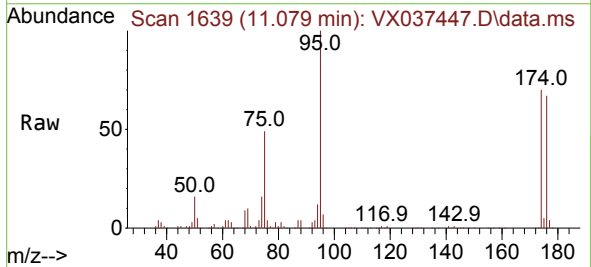
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

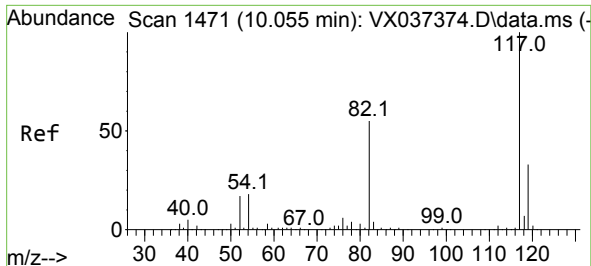
Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 47.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 44.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 95 Resp: 101598
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 71.9 0.0 131.0

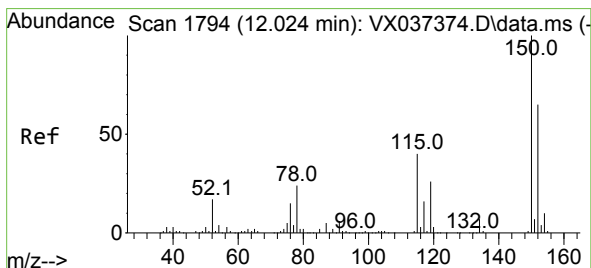
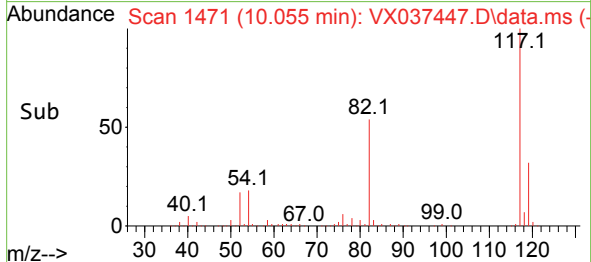
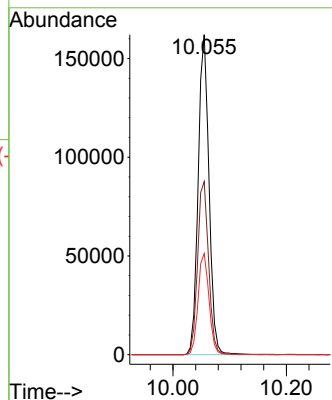
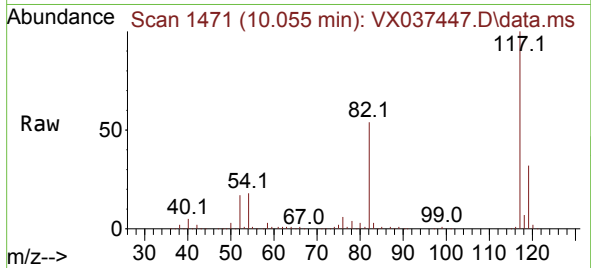




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

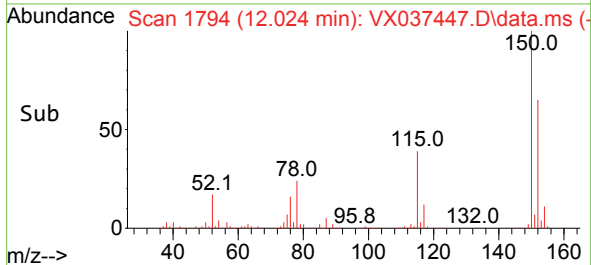
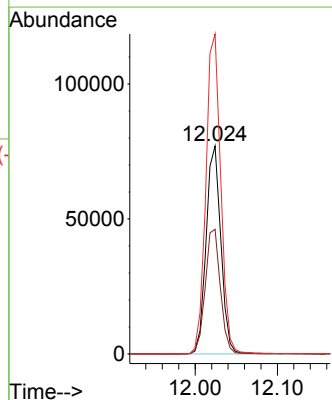
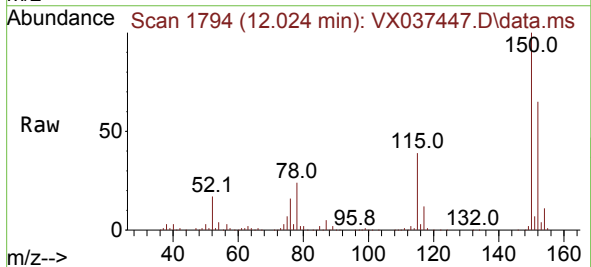
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

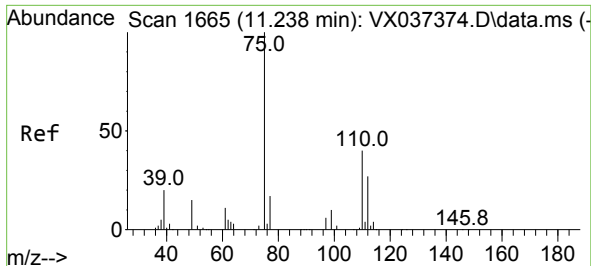
Tgt Ion:117 Resp: 214597
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion:152 Resp: 96043
Ion Ratio Lower Upper
152 100
115 61.6 43.3 129.9
150 155.4 0.0 345.0

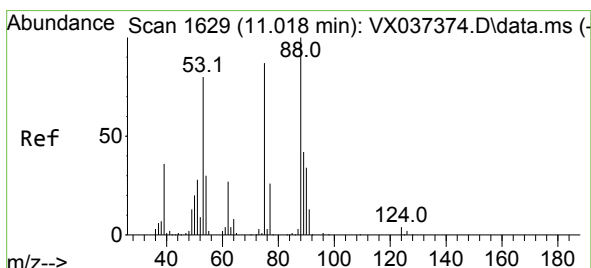
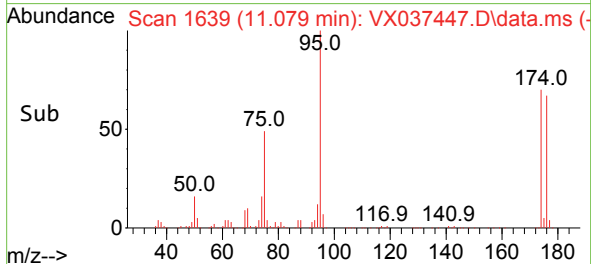
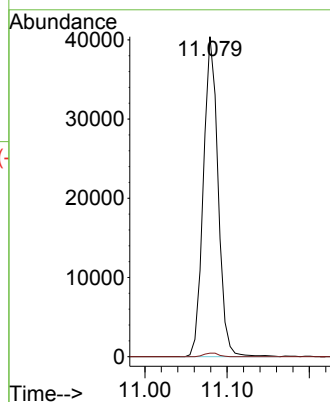
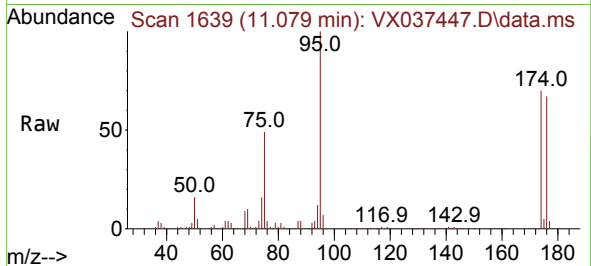




#76
1,2,3-Trichloropropane
Concen: 24.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-083023-3V

Tgt Ion: 75 Resp: 50174
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037447.D
Acq: 31 Aug 2023 21:56

Tgt Ion: 75 Resp: 50174
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

