

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032323\
 Data File : VX034698.D
 Acq On : 23 Mar 2023 15:06
 Operator : JC/MD
 Sample : 02023-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-TEST-PIT-ON-OCEAN

Quant Time: Mar 24 05:44:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

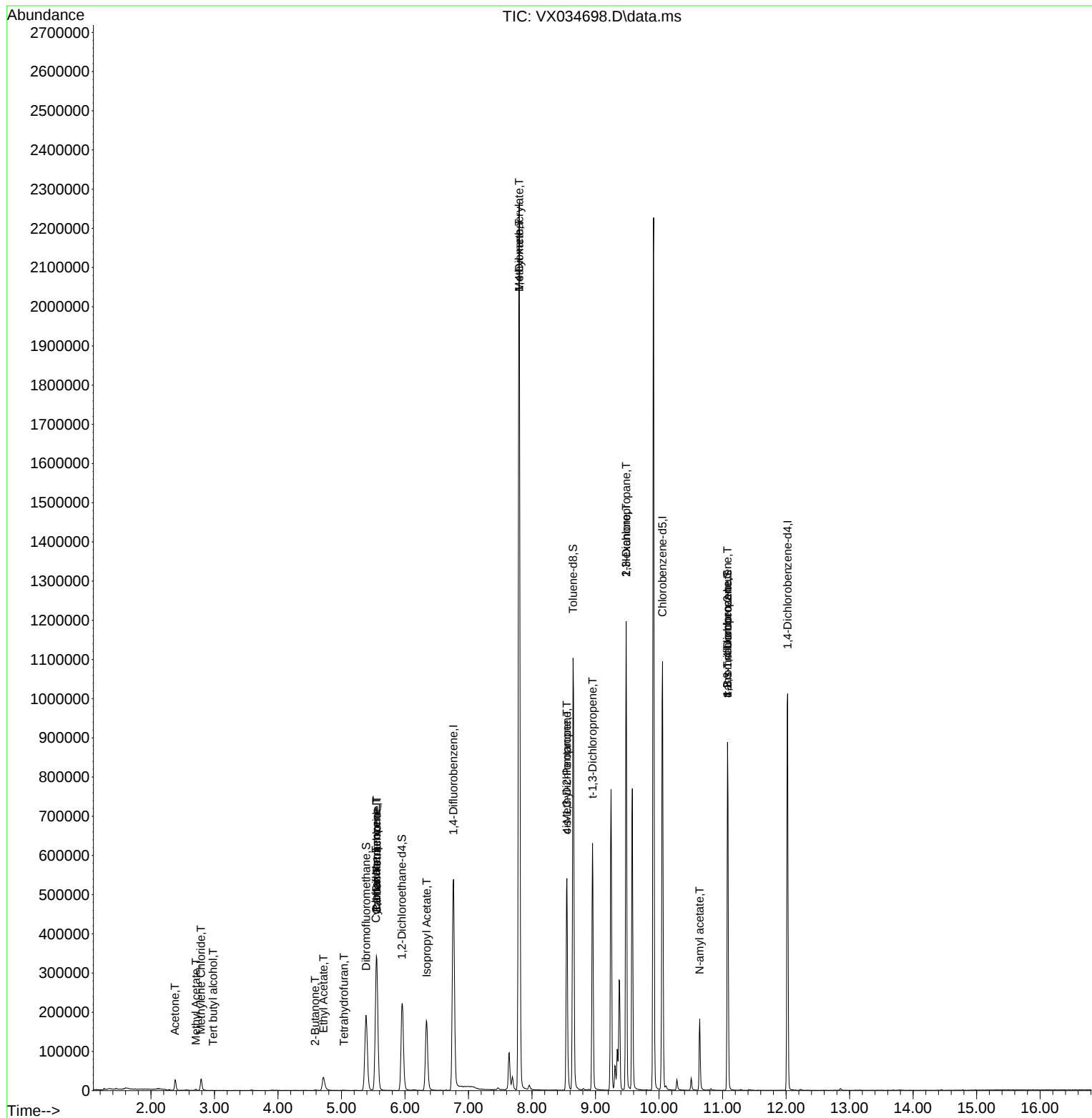
Internal Standards						
1) Pentafluorobenzene	5.550	168	311161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	527073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	227019	50.150	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.300%		
35) Dibromofluoromethane	5.385	113	166736	47.913	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.820%		
50) Toluene-d8	8.647	98	634482	48.840	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.680%		
62) 4-Bromofluorobenzene	11.079	95	241747	46.070	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	335	Below Cal	#	42
11) Tert butyl alcohol	2.977	59	280	0.297	ug/l #	73
16) Acetone	2.380	43	29377	13.777	ug/l	93
18) Methyl Acetate	2.709	43	3915	0.562	ug/l #	88
20) Methylene Chloride	2.788	84	13419	3.243	ug/l	95
25) 2-Butanone	4.587	43	2597	0.851	ug/l #	77
29) Tetrahydrofuran	5.038	42	534	0.284	ug/l #	57
31) Cyclohexane	5.544	56	7100	1.118	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	25542	4.779	ug/l #	51
37) Ethyl Acetate	4.715	43	62286	10.667	ug/l	98
38) Carbon Tetrachloride	5.556	117	33663	6.331	ug/l #	16
43) Isopropyl Acetate	6.342	43	252612	25.537	ug/l	99
48) Methyl methacrylate	7.799	41	205610	43.217	ug/l #	45
49) 1,4-Dioxane	7.799	88	450	4.503	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	192560	33.556	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1424	0.235	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	82749	12.638	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	9892	1.449	ug/l #	42
59) 2-Hexanone	9.482	43	145700	32.845	ug/l #	51
74) N-amyl acetate	10.640	43	50288	6.465	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	125691	26.053	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	125691	70.481	ug/l #	8

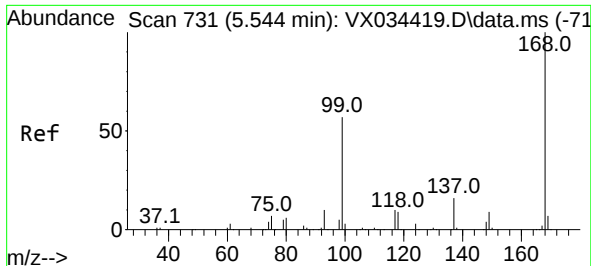
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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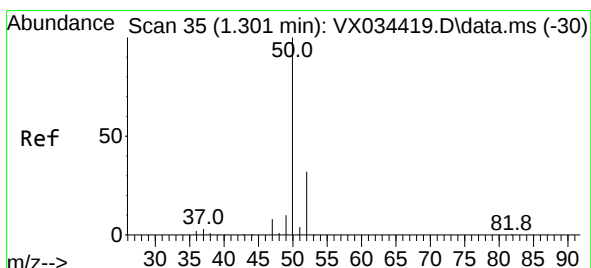
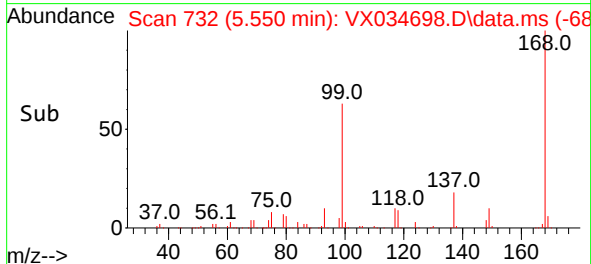
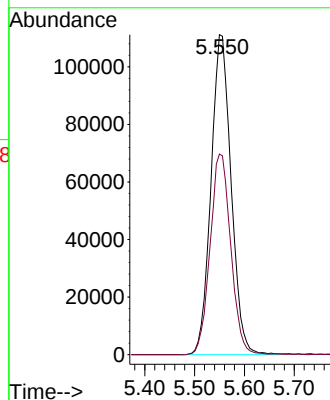
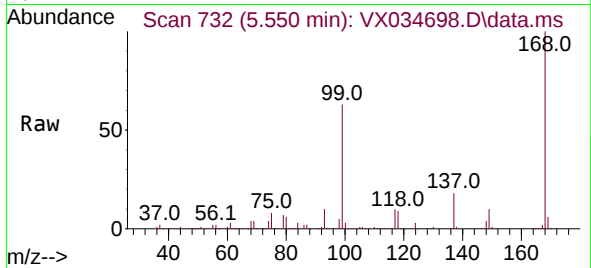




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

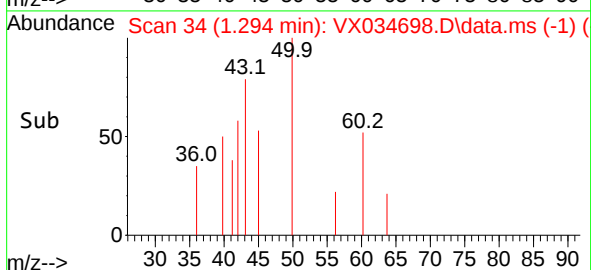
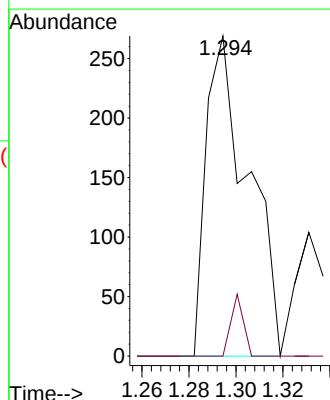
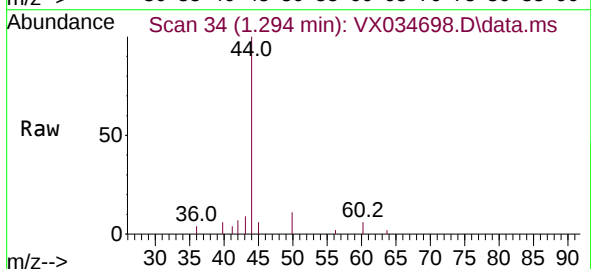
Instrument :
MSVOA_X
ClientSampleId :
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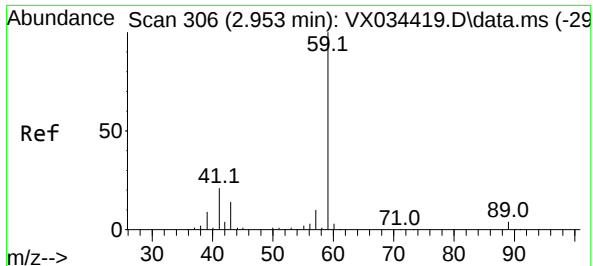
Tgt Ion:168 Resp: 311161
Ion Ratio Lower Upper
168 100
99 62.7 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

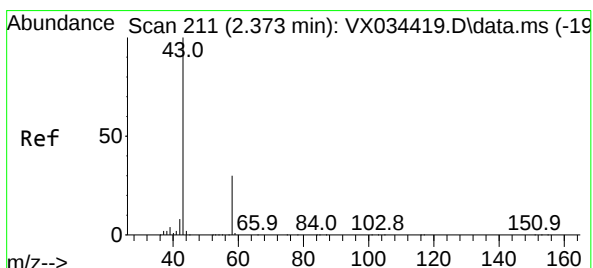
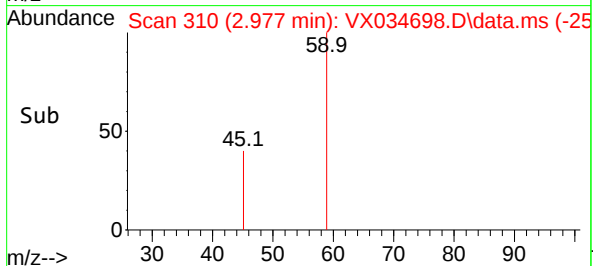
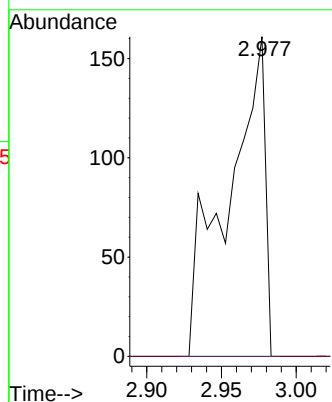
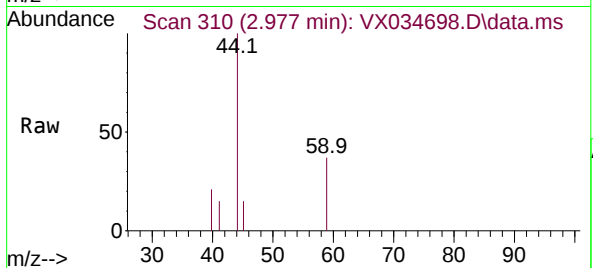




#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 2.977 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

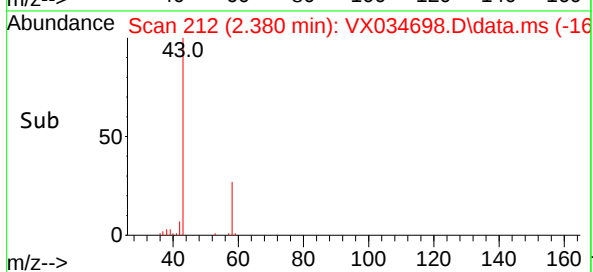
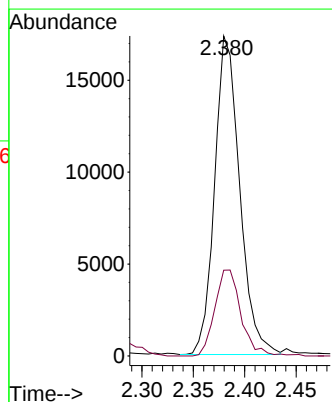
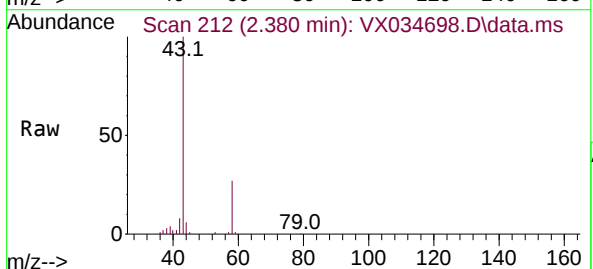
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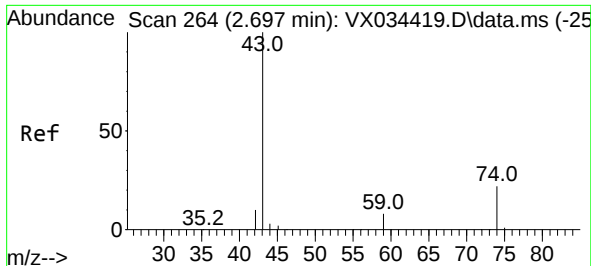
Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 13.777 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 43 Resp: 29377
Ion Ratio Lower Upper
43 100
58 26.9 24.7 37.1

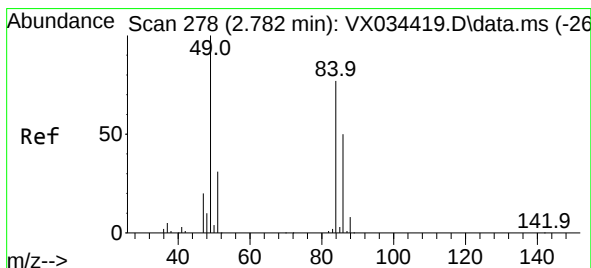
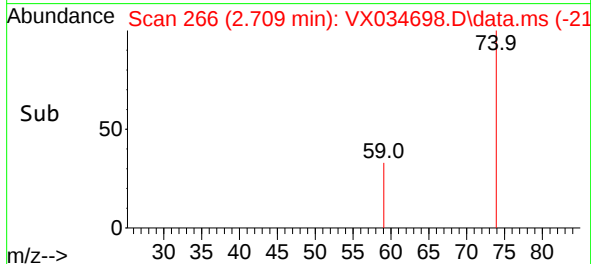
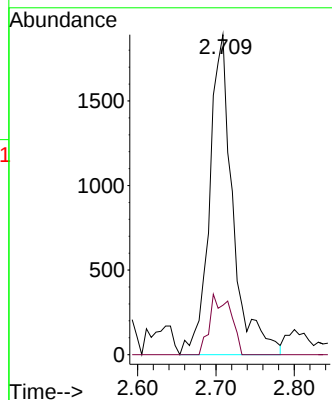
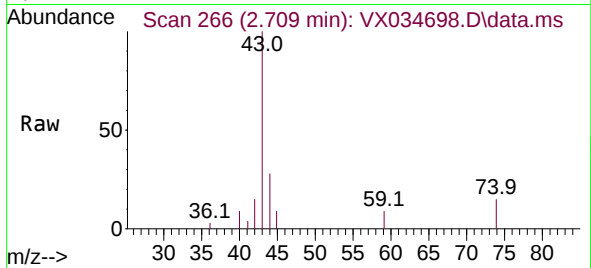




#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

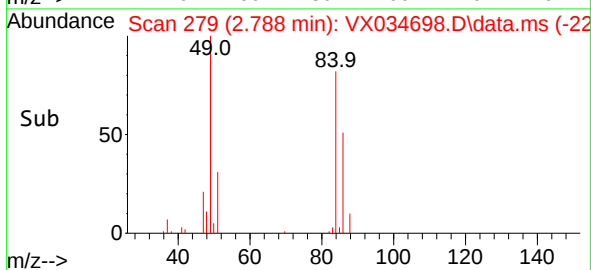
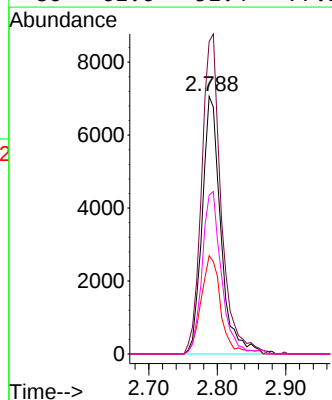
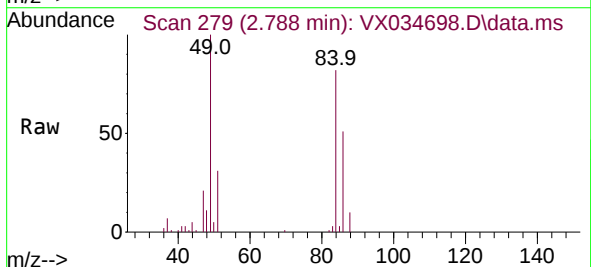
Instrument :
MSVOA_X
ClientSampleId :
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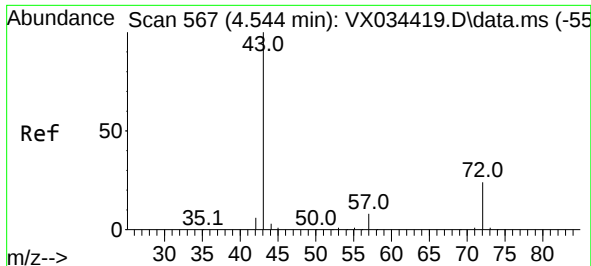
Tgt Ion: 43 Resp: 3915
Ion Ratio Lower Upper
43 100
74 16.9 18.3 27.5#



#20
Methylene Chloride
Concen: 3.243 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 84 Resp: 13419
Ion Ratio Lower Upper
84 100
49 121.2 103.8 155.8
51 38.1 31.8 47.8
86 61.6 51.4 77.2

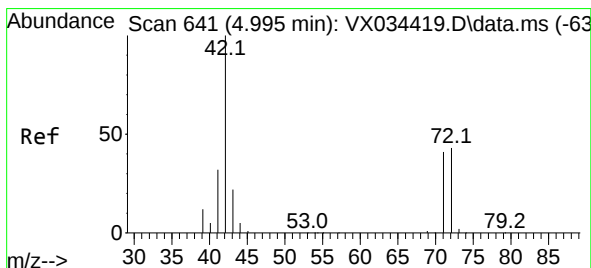
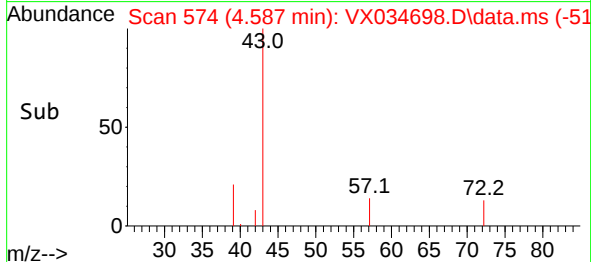
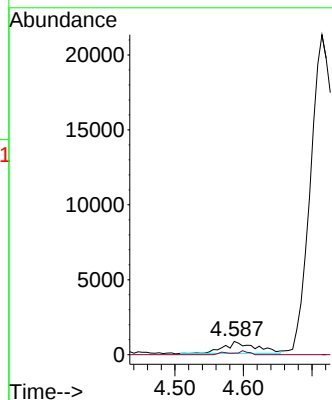
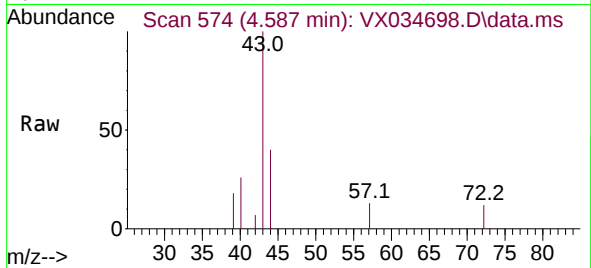




#25
2-Butanone
Concen: 0.851 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

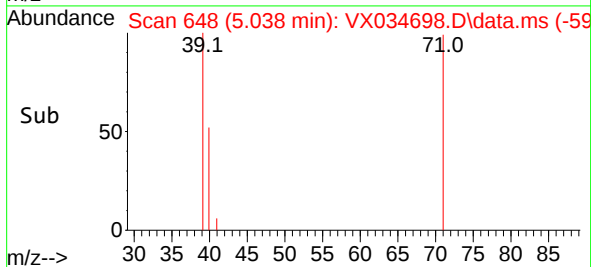
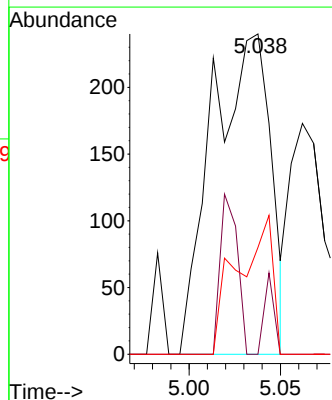
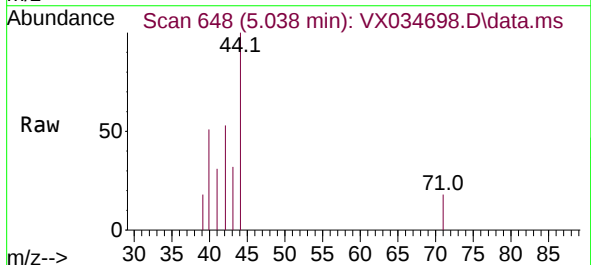
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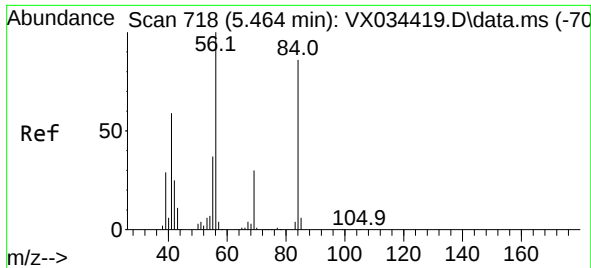
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
72 12.7 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.284 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 42 Resp: 534
Ion Ratio Lower Upper
42 100
72 4.1 34.5 51.7#
71 25.8 32.1 48.1#

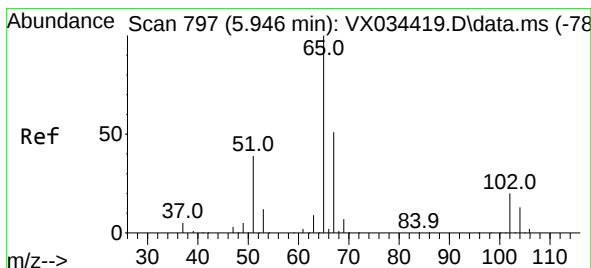
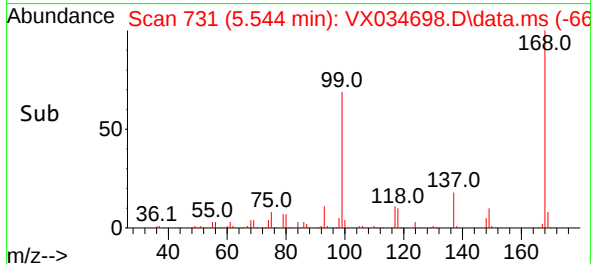
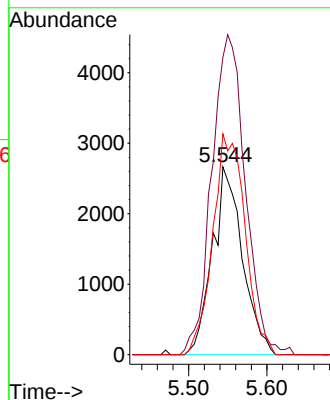
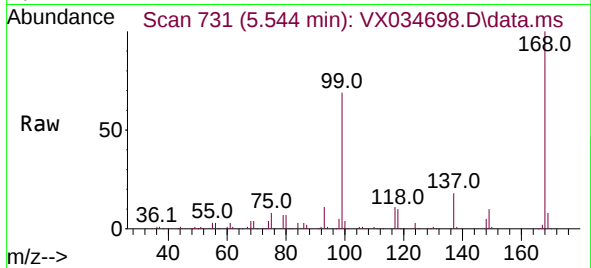




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

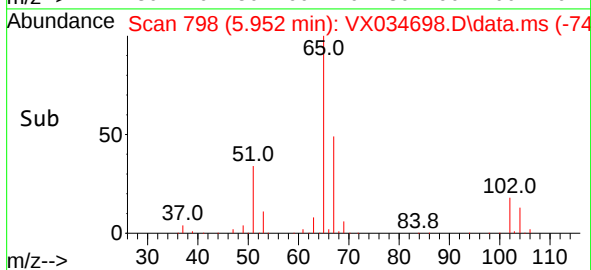
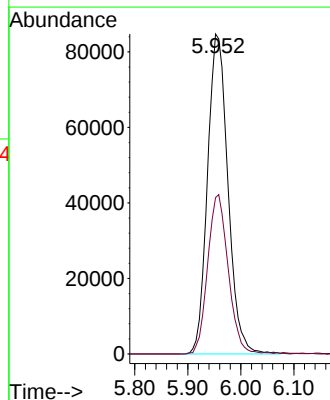
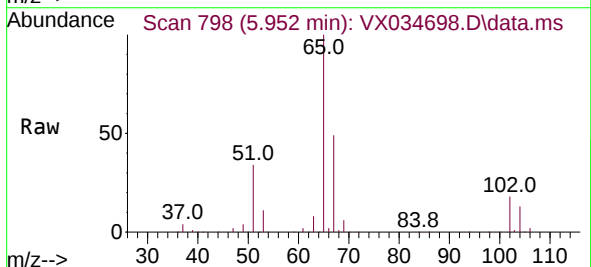
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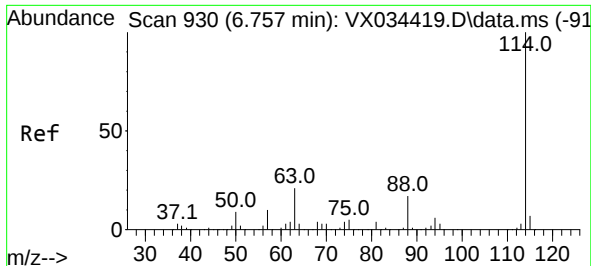
Tgt Ion: 56 Resp: 7100
Ion Ratio Lower Upper
56 100
69 158.3 23.7 35.5#
84 117.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 50.150 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 65 Resp: 227019
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0

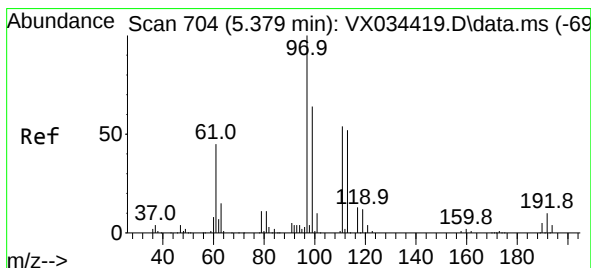
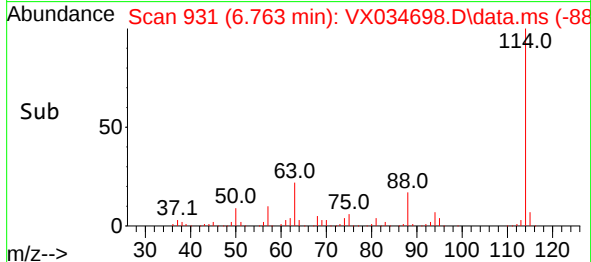
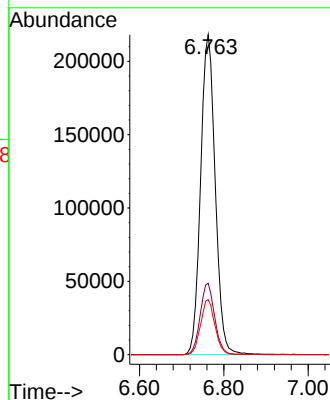
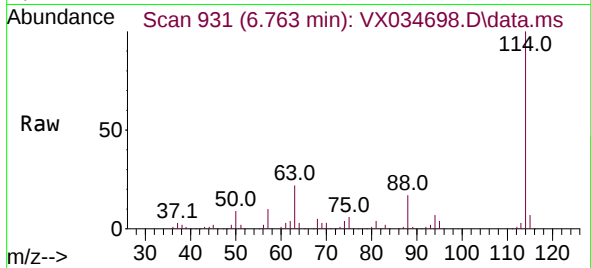




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

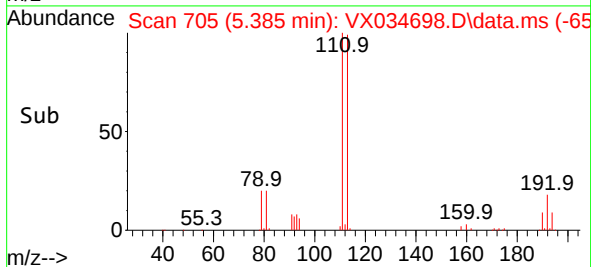
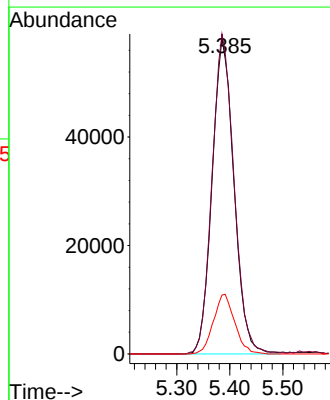
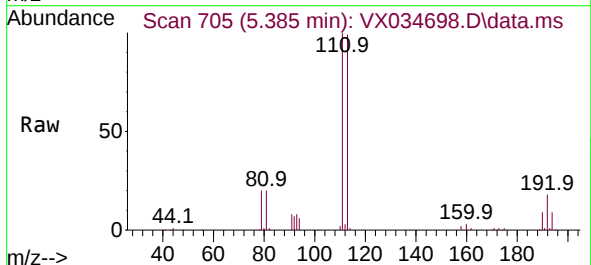
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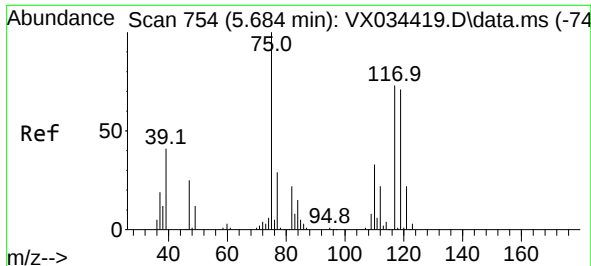
Tgt Ion:114 Resp: 527073
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.2
88 17.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.913 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion:113 Resp: 166736
Ion Ratio Lower Upper
113 100
111 101.9 83.7 125.5
192 18.4 15.4 23.2

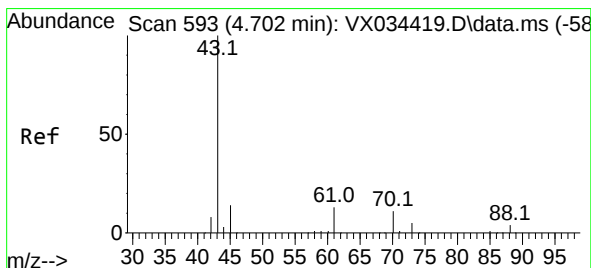
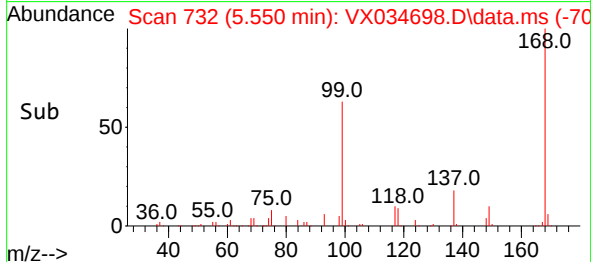
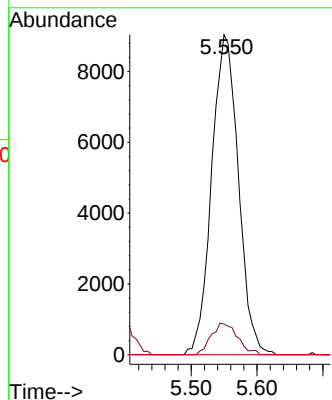
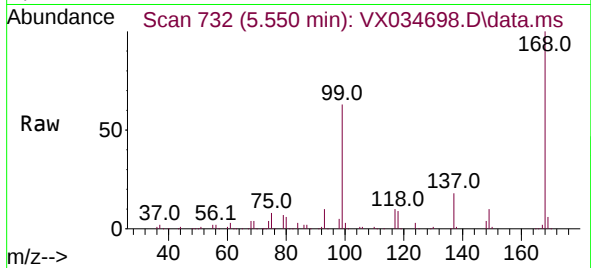




#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

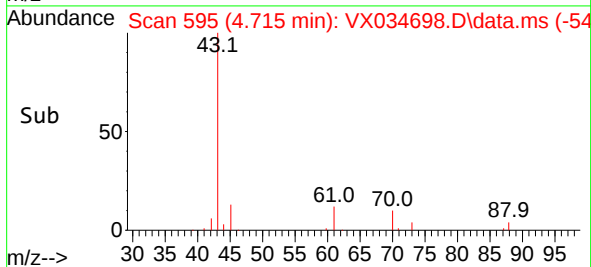
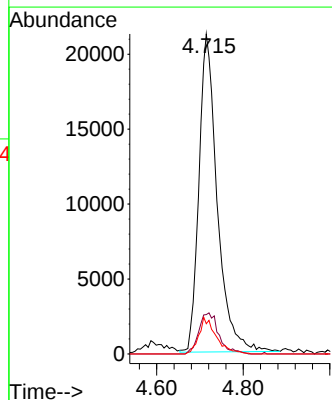
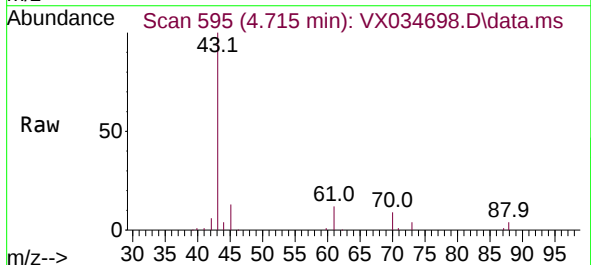
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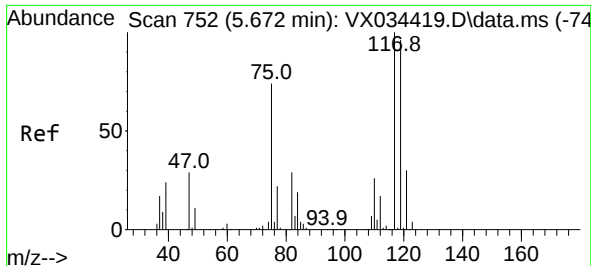
Tgt Ion: 75 Resp: 25542
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 10.667 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

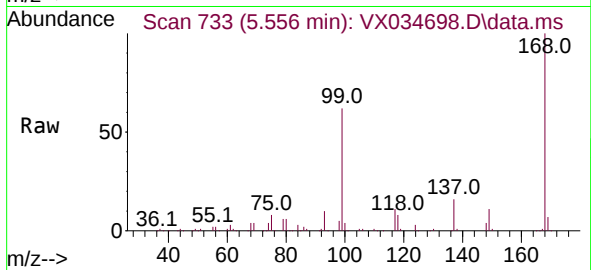
Tgt Ion: 43 Resp: 62286
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.4
70 10.9 8.2 12.4



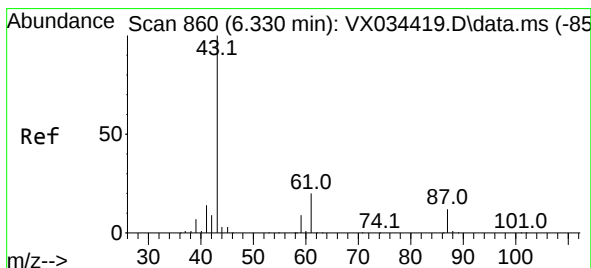
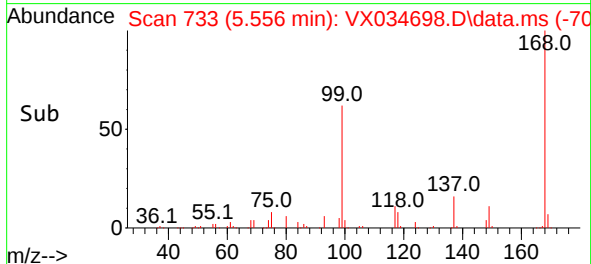
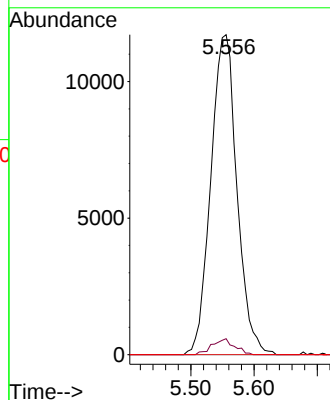


#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Instrument :
MSVOA_X
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

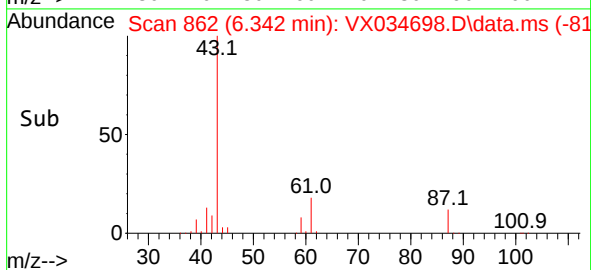
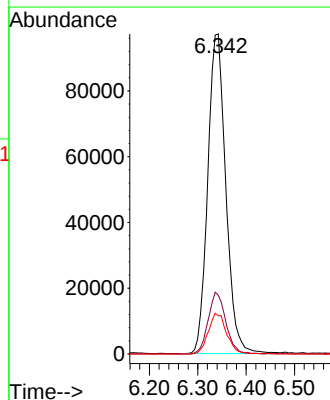
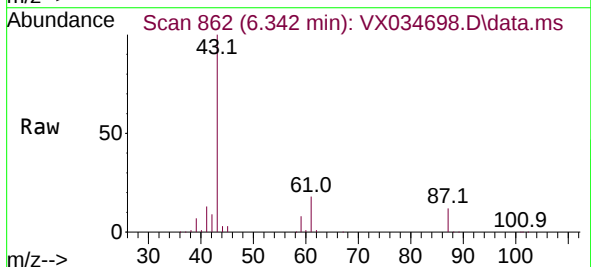


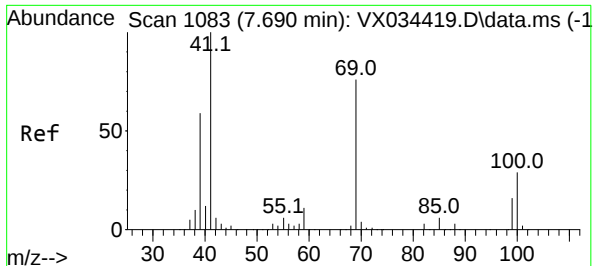
Tgt Ion:117 Resp: 33663
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 25.537 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 43 Resp: 252612
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.7 9.8 14.8





#48

Methyl methacrylate

Concen: 43.217 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX034698.D

Acq: 23 Mar 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

TP-12-TEST-PIT-ON-OCEAN

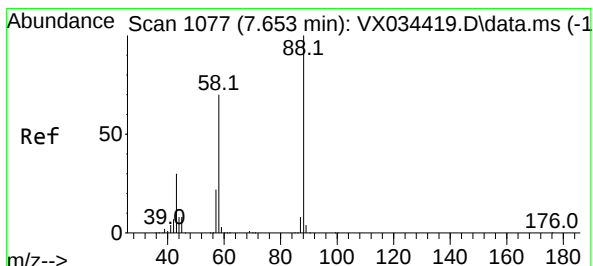
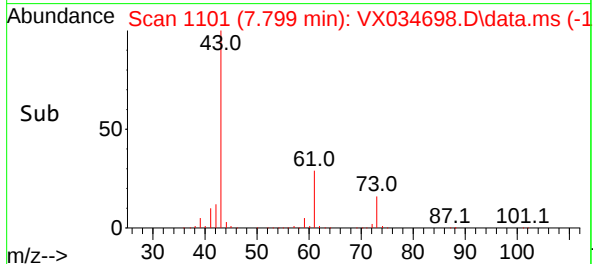
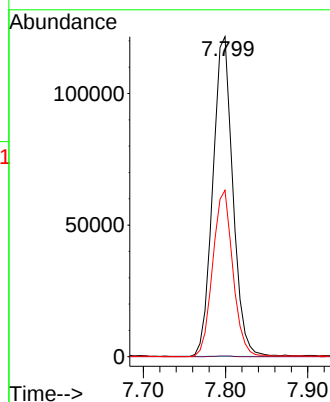
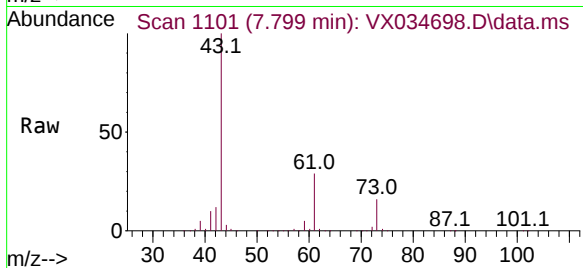
Tgt Ion: 41 Resp: 205610

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 52.5 47.7 71.5



#49

1,4-Dioxane

Concen: 4.503 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034698.D

Acq: 23 Mar 2023 15:06

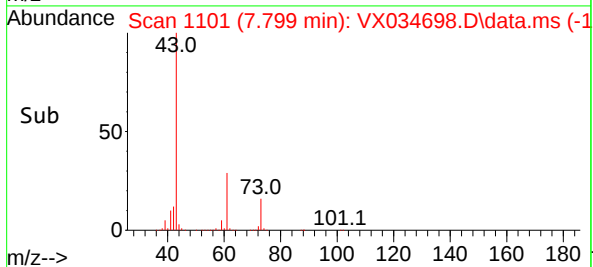
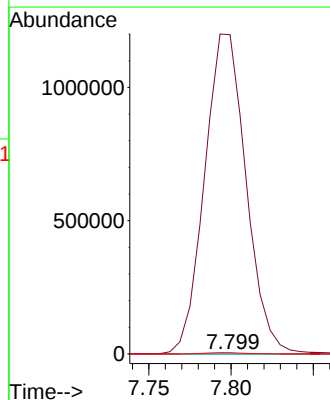
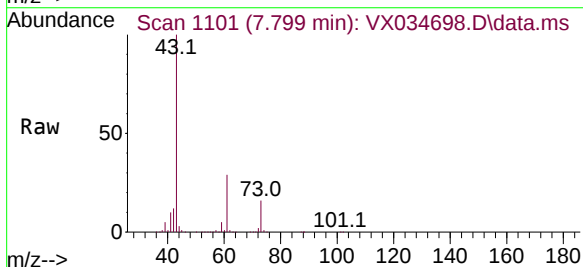
Tgt Ion: 88 Resp: 450

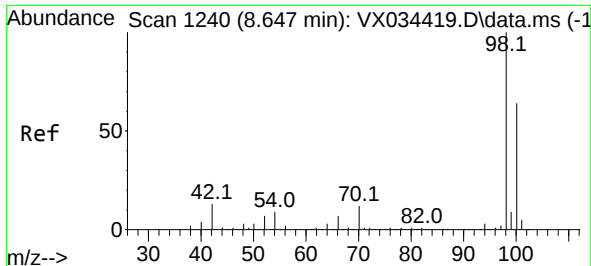
Ion Ratio Lower Upper

88 100

43 471147.6 27.7 41.5#

58 1816.9 56.8 85.2#

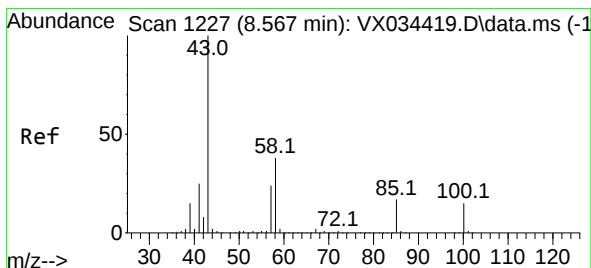
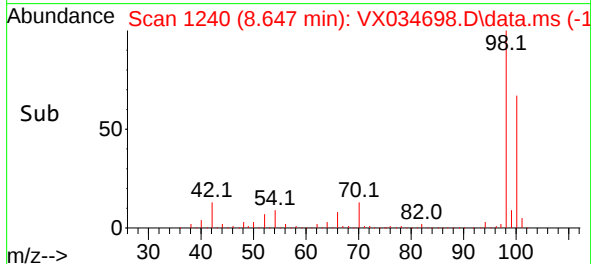
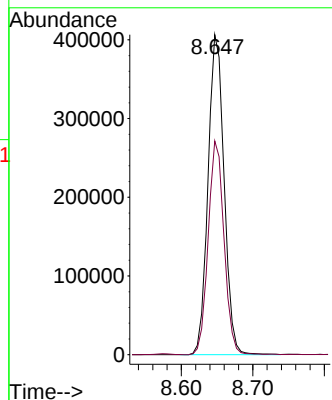
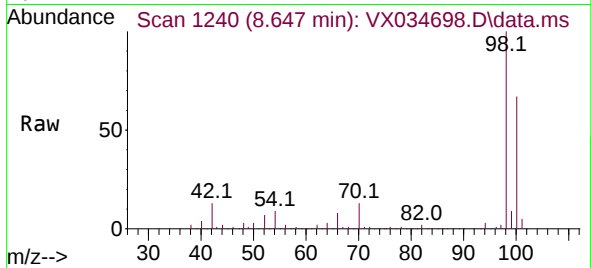




#50
Toluene-d8
Concen: 48.840 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

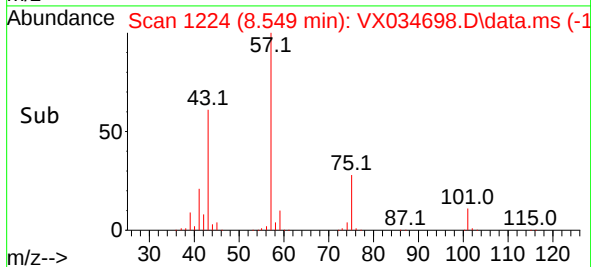
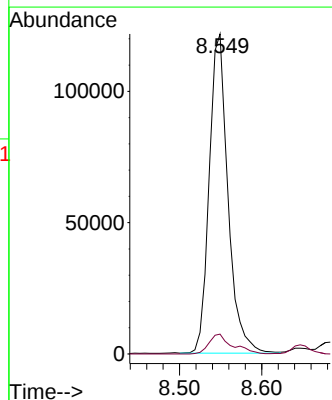
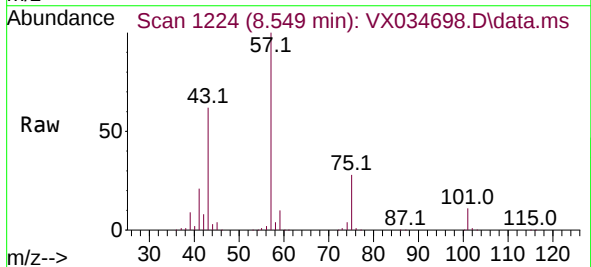
Instrument :
MSVOA_X
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

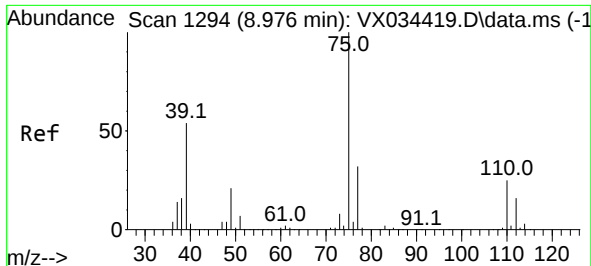
Tgt Ion: 98 Resp: 634482
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 33.556 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 43 Resp: 192560
Ion Ratio Lower Upper
43 100
58 7.8 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 0.235 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX034698.D

Acq: 23 Mar 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

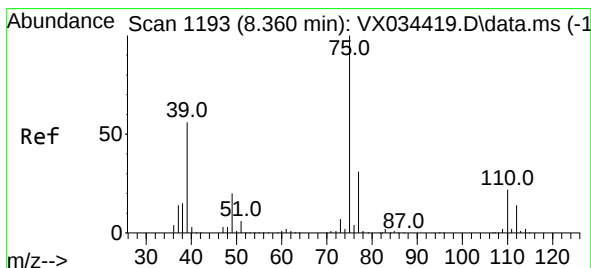
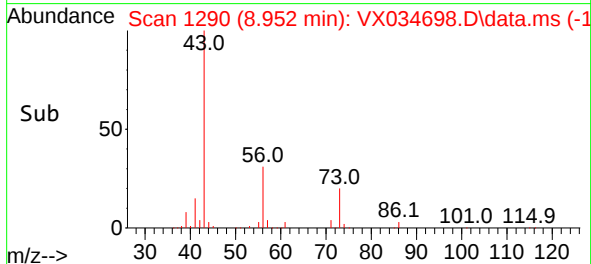
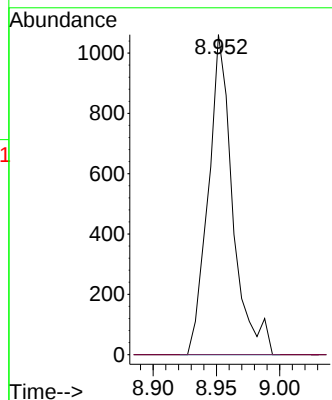
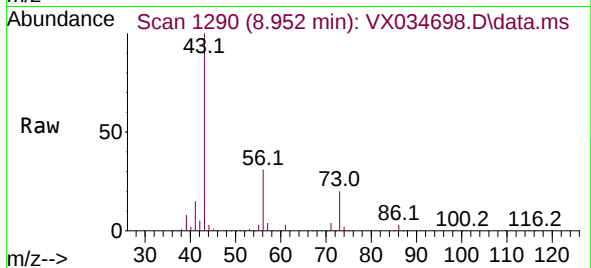
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion: 75 Resp: 1424

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 12.638 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX034698.D

Acq: 23 Mar 2023 15:06

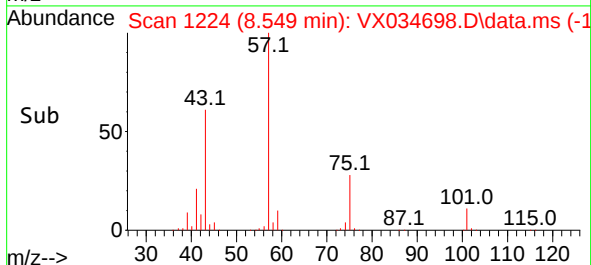
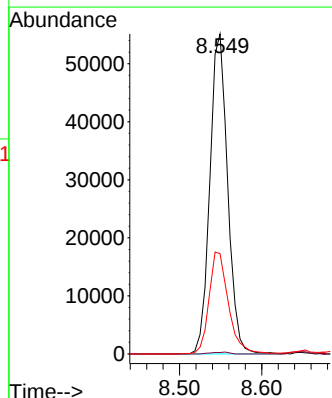
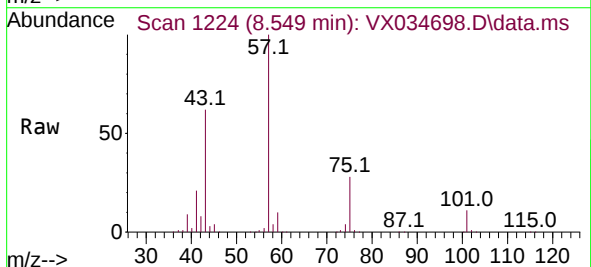
Tgt Ion: 75 Resp: 82749

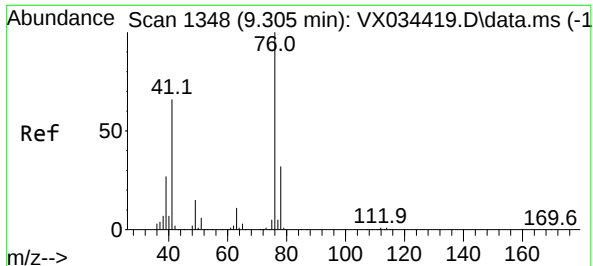
Ion Ratio Lower Upper

75 100

77 0.4 25.0 37.4#

39 31.3 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.449 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034698.D

Acq: 23 Mar 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

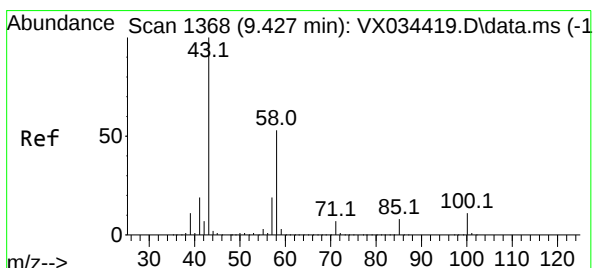
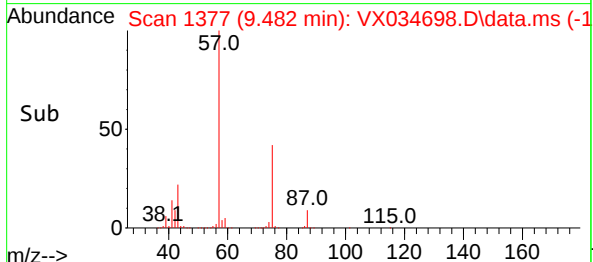
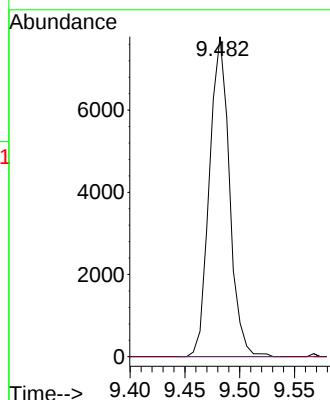
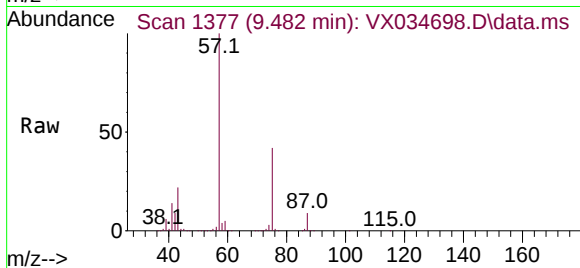
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion: 76 Resp: 9892

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 32.845 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034698.D

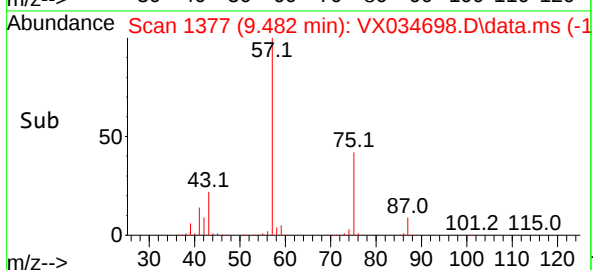
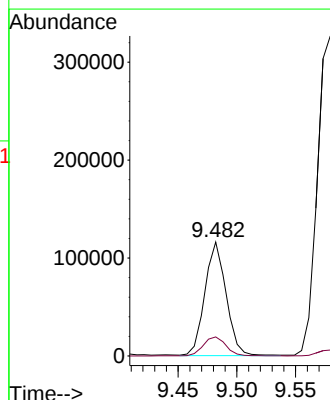
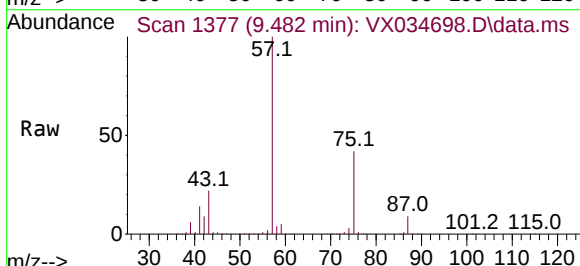
Acq: 23 Mar 2023 15:06

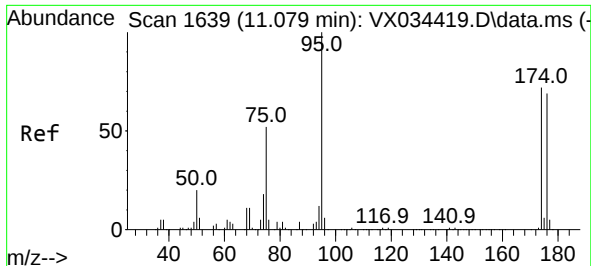
Tgt Ion: 43 Resp: 145700

Ion Ratio Lower Upper

43 100

58 18.3 26.3 78.9#

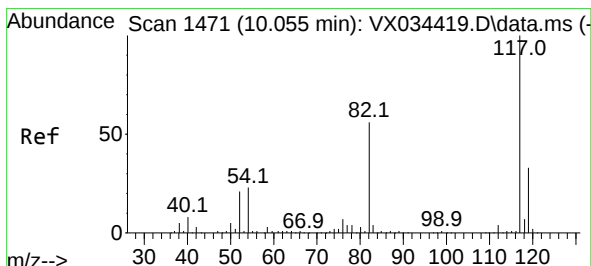
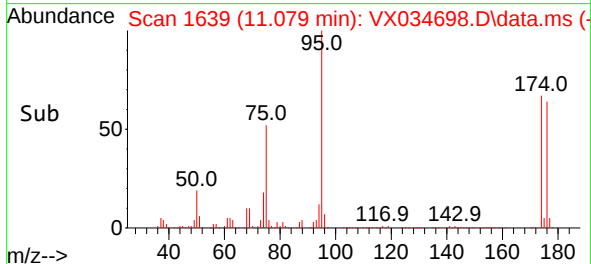
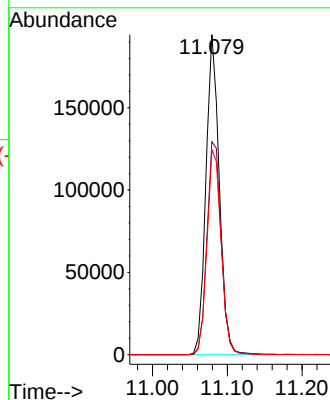
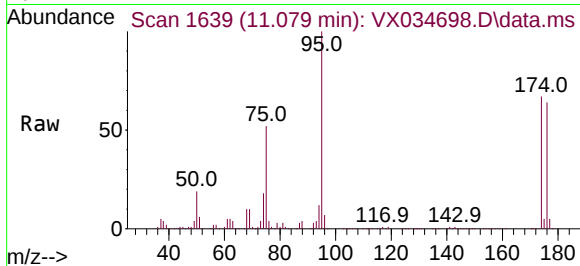




#62
4-Bromofluorobenzene
Concen: 46.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

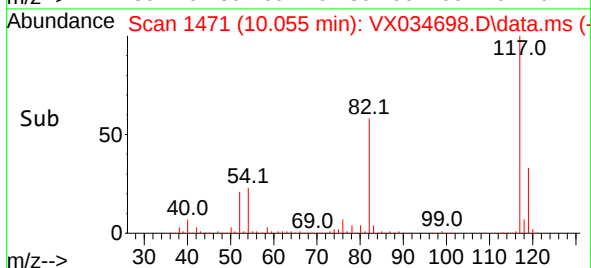
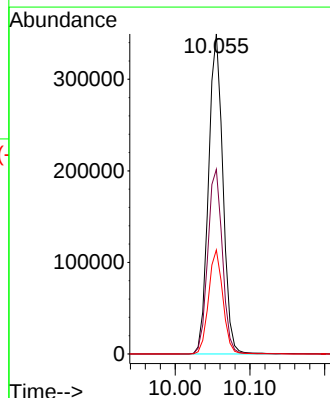
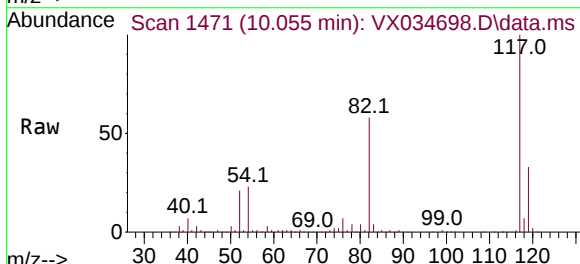
Instrument :
MSVOA_X
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

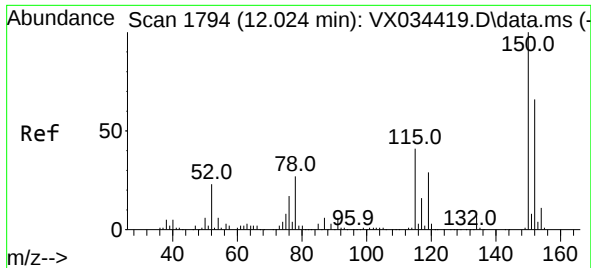
Tgt Ion: 95 Resp: 241747
Ion Ratio Lower Upper
95 100
174 70.9 0.0 147.4
176 67.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 117 Resp: 466497
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.5 26.0 39.0

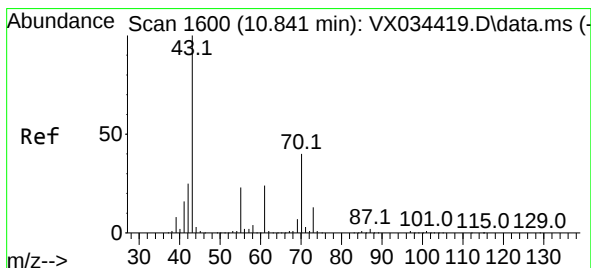
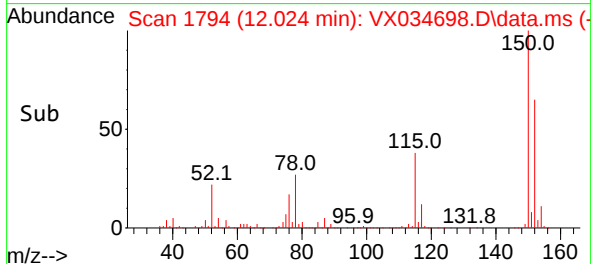
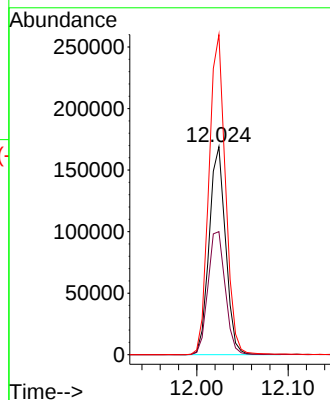
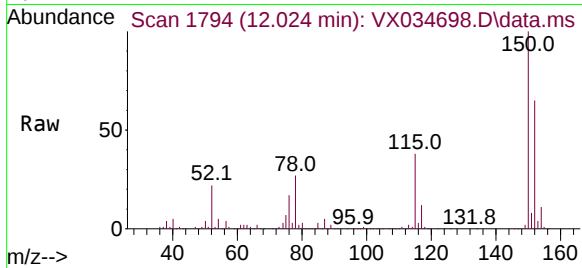




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

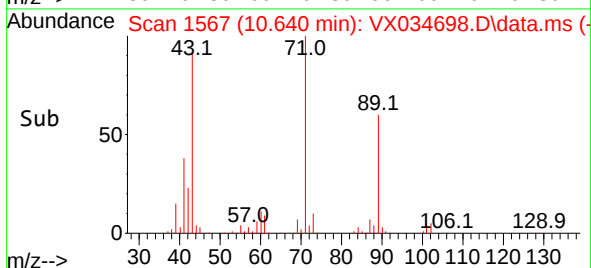
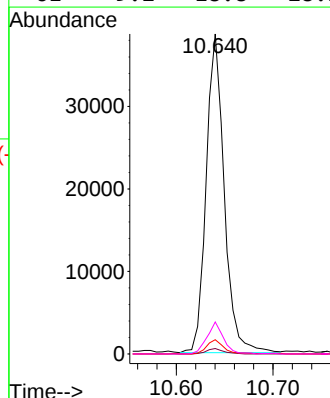
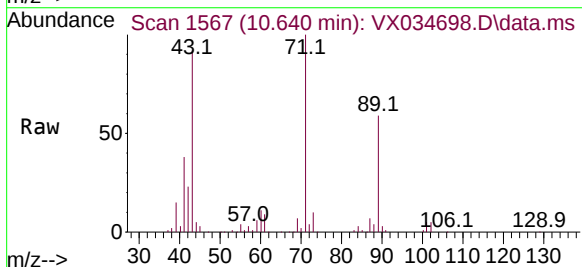
Instrument :
MSVOA_X
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

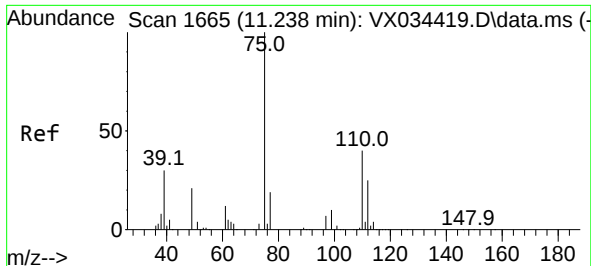
Tgt Ion:152 Resp: 210115
Ion Ratio Lower Upper
152 100
115 62.3 45.0 135.0
150 155.3 0.0 352.4



#74
N-ethyl acetate
Concen: 6.465 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 43 Resp: 50288
Ion Ratio Lower Upper
43 100
70 1.6 32.1 48.1#
55 4.2 18.3 27.5#
61 9.2 18.8 28.2#

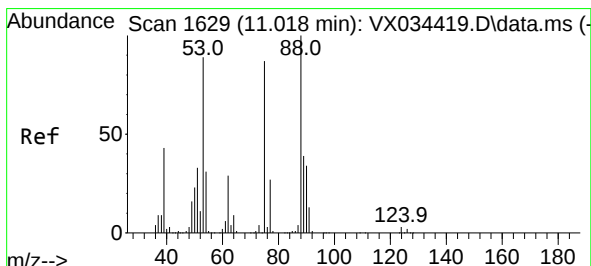
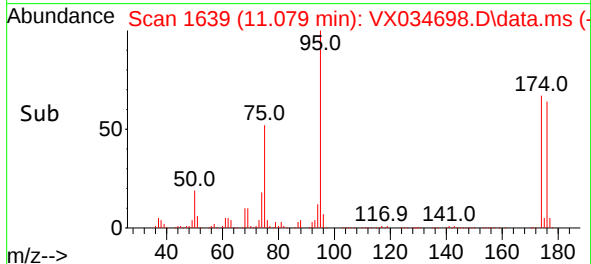
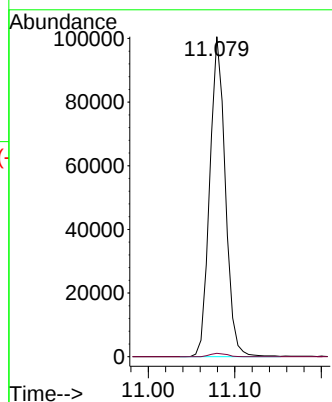
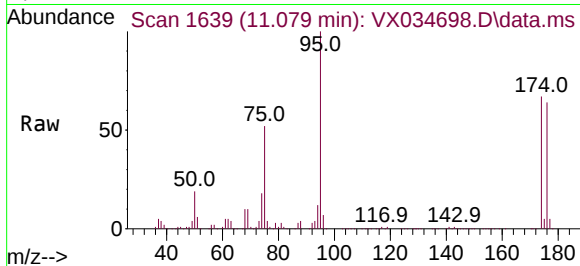




#76
1,2,3-Trichloropropane
Concen: 26.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Instrument :
MSVOA_X
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion: 75 Resp: 125691
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.481 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034698.D
Acq: 23 Mar 2023 15:06

Tgt Ion: 75 Resp: 125691
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

