

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032923\
 Data File : VX034838.D
 Acq On : 29 Mar 2023 19:04
 Operator : JC/MD
 Sample : 02069-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 API-3-4

Quant Time: Mar 30 06:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 05:38:28 2023
 Response via : Initial Calibration

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

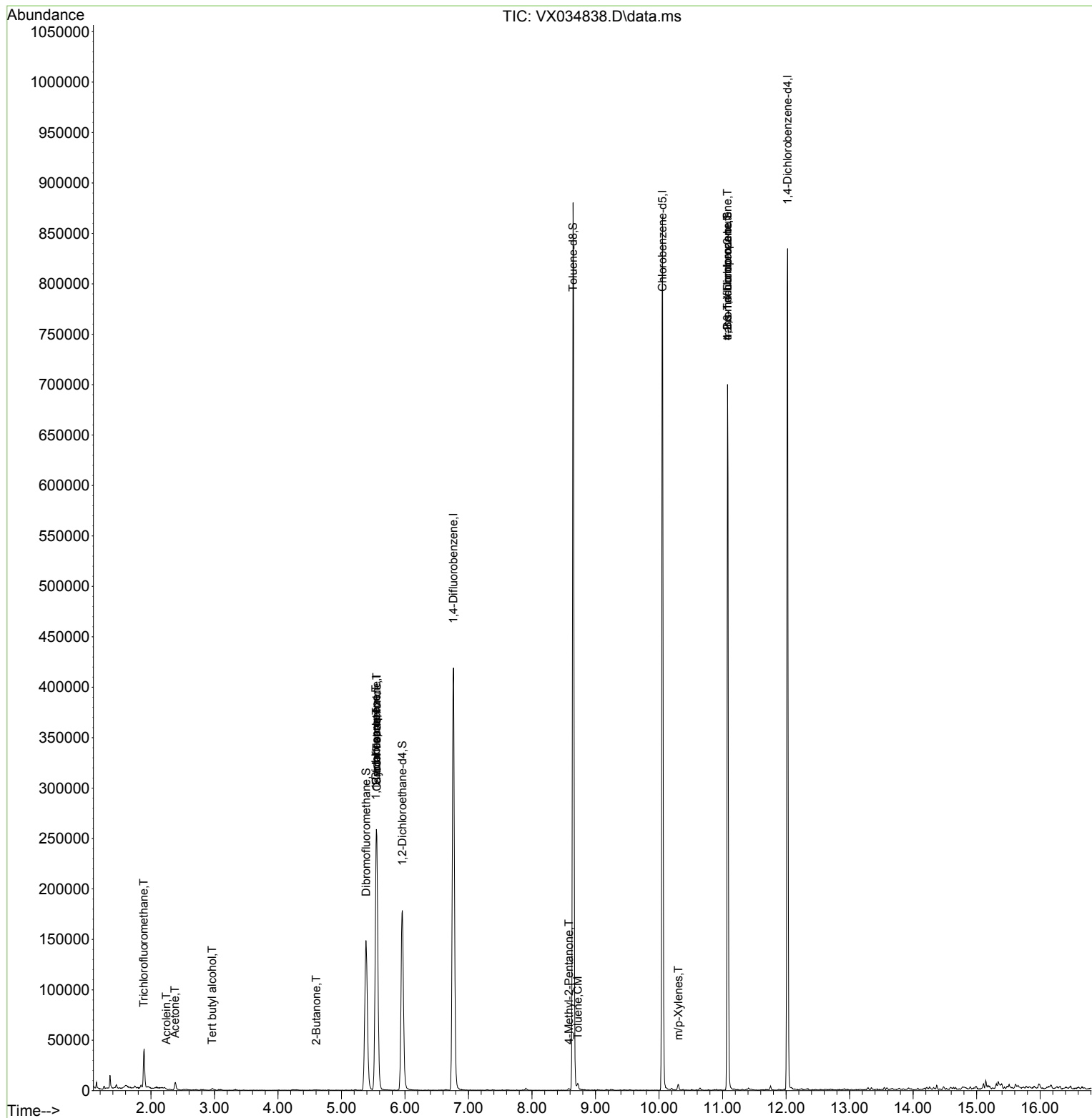
Internal Standards						
1) Pentafluorobenzene	5.550	168	239109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170903	46.735	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.480%
35) Dibromofluoromethane	5.385	113	126765	46.214	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.420%
50) Toluene-d8	8.647	98	496789	49.068	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.140%
62) 4-Bromofluorobenzene	11.079	95	179673	45.859	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.720%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.886	101	23477	4.939	ug/l	95
11) Tert butyl alcohol	2.965	59	2132	3.323	ug/l #	89
13) Acrolein	2.239	56	176	0.266	ug/l #	1
16) Acetone	2.380	43	8464	5.698	ug/l	98
25) 2-Butanone	4.605	43	713	0.330	ug/l #	51
31) Cyclohexane	5.550	56	6201	1.393	ug/l #	27
36) 1,1-Dichloropropene	5.544	75	20363	5.011	ug/l #	51
38) Carbon Tetrachloride	5.556	117	25721	6.713	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	1256	0.299	ug/l	91
52) Toluene	8.720	92	1826	0.240	ug/l	85
68) m/p-Xylenes	10.305	106	1397	0.266	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	97920	26.111	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	97920	88.383	ug/l #	8

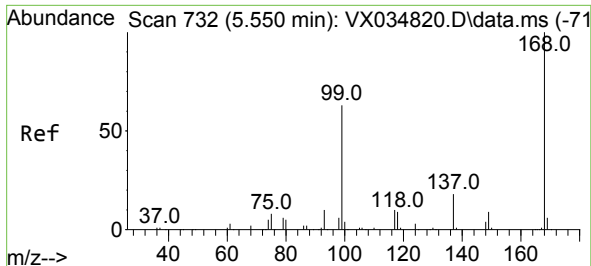
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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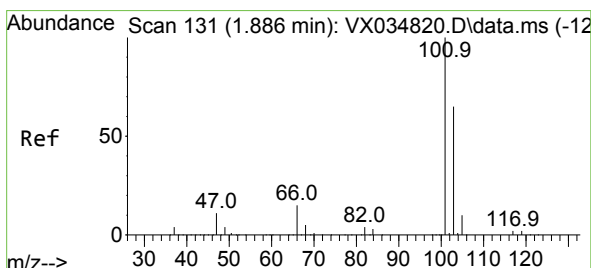
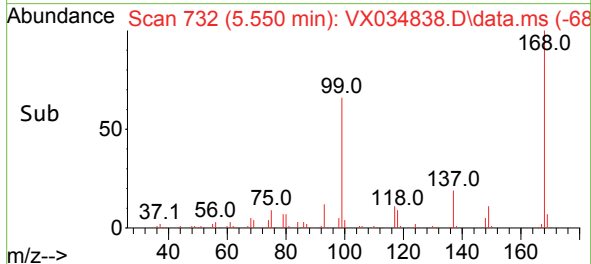
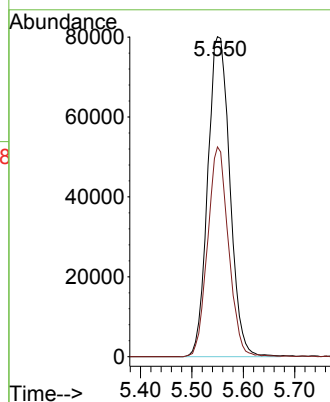
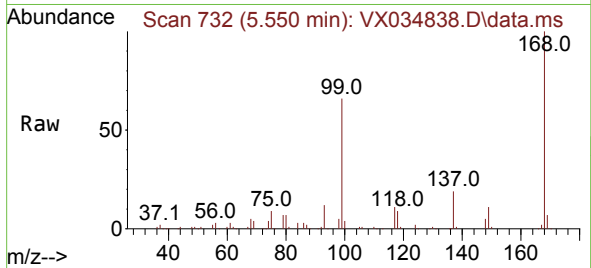




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

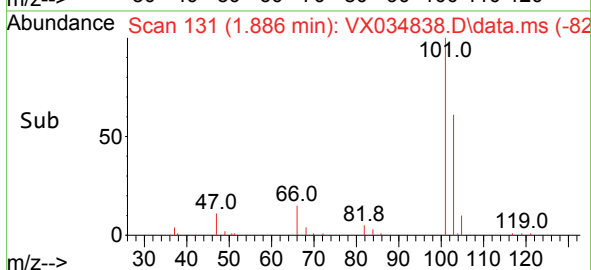
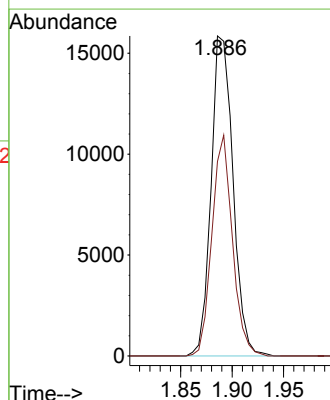
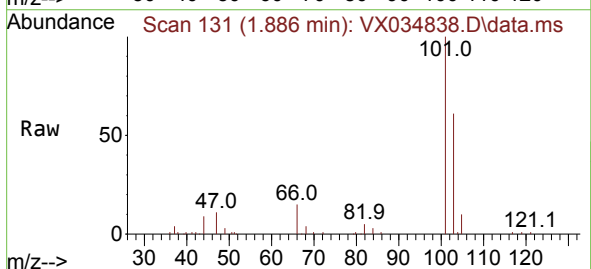
Instrument :
MSVOA_X
ClientSampleId :
API-3-4

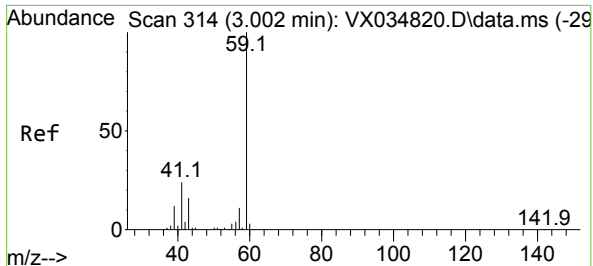
Tgt Ion:168 Resp: 239109
Ion Ratio Lower Upper
168 100
99 65.5 45.7 68.5



#7
Trichlorofluoromethane
Concen: 4.939 ug/l
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Tgt Ion:101 Resp: 23477
Ion Ratio Lower Upper
101 100
103 60.8 52.0 78.0





#11

Tert butyl alcohol

Concen: 3.323 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.037 min

Lab File: VX034838.D

Acq: 29 Mar 2023 19:04

Instrument :

MSVOA_X

ClientSampleId :

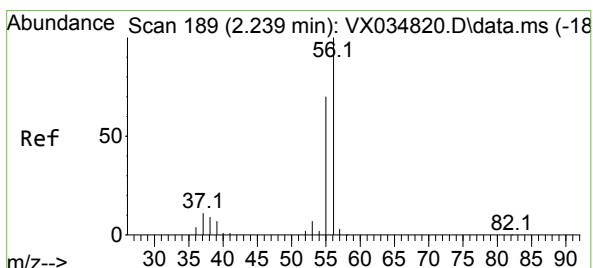
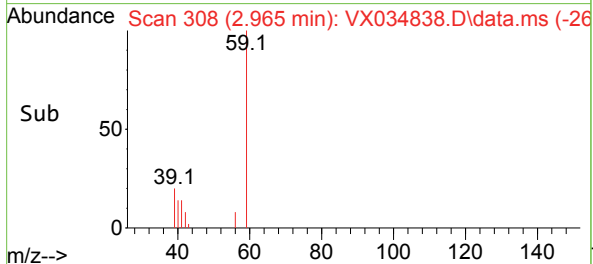
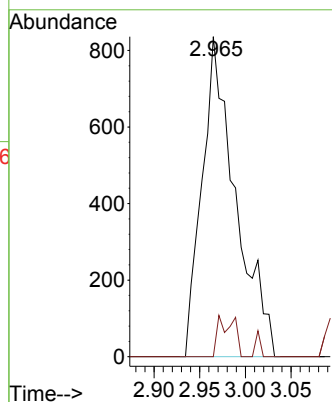
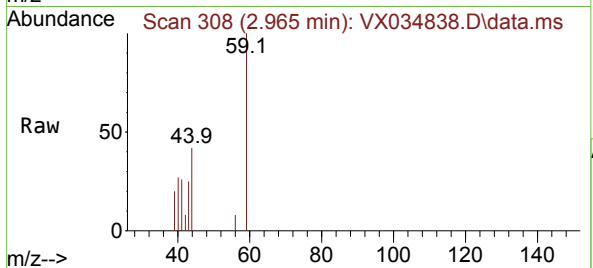
API-3-4

Tgt Ion: 59 Resp: 2132

Ion Ratio Lower Upper

59 100

57 6.1 8.1 12.1#



#13

Acrolein

Concen: 0.266 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX034838.D

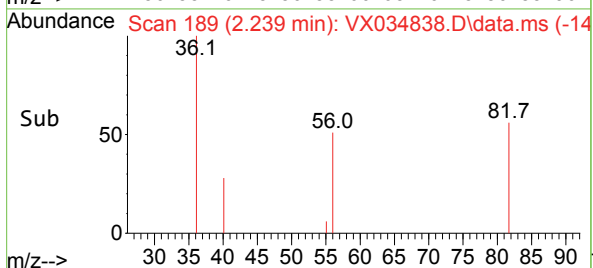
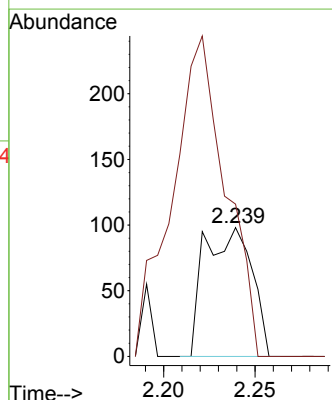
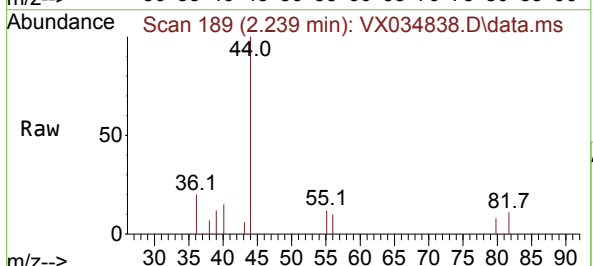
Acq: 29 Mar 2023 19:04

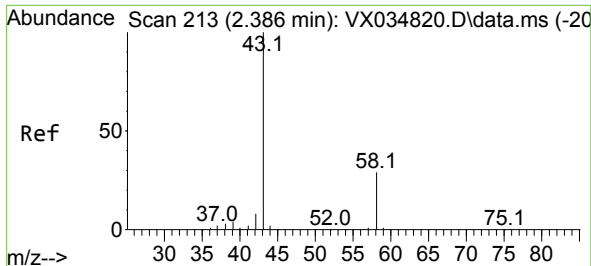
Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

55 283.0 56.6 85.0#

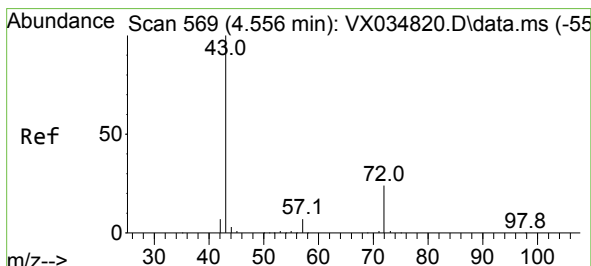
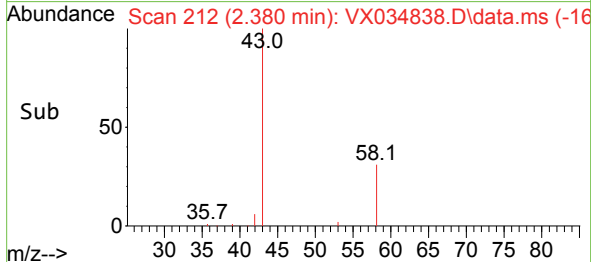
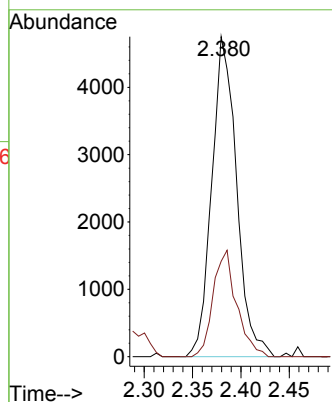
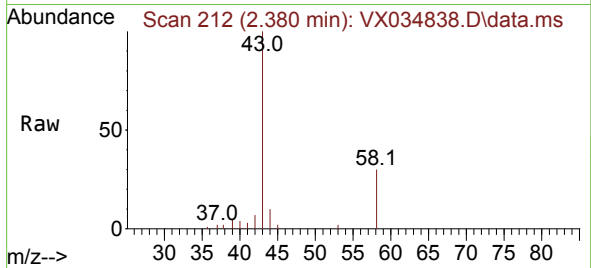




#16
Acetone
Concen: 5.698 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

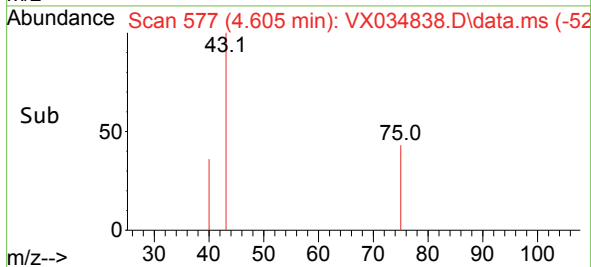
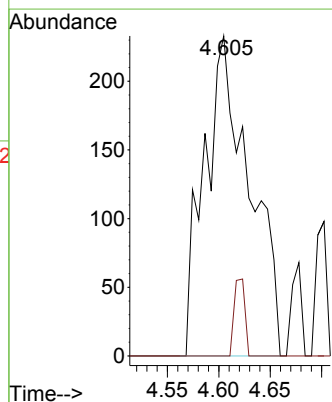
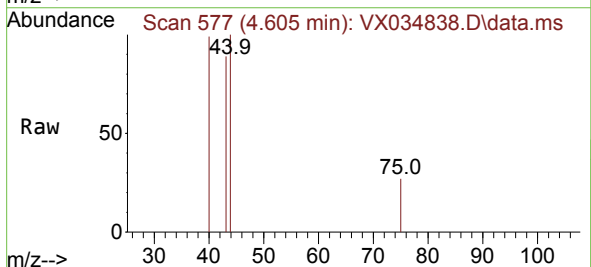
Instrument :
MSVOA_X
ClientSampleId :
API-3-4

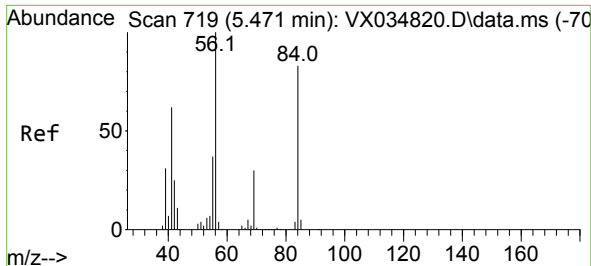
Tgt Ion: 43 Resp: 8464
Ion Ratio Lower Upper
43 100
58 29.8 24.7 37.1



#25
2-Butanone
Concen: 0.330 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

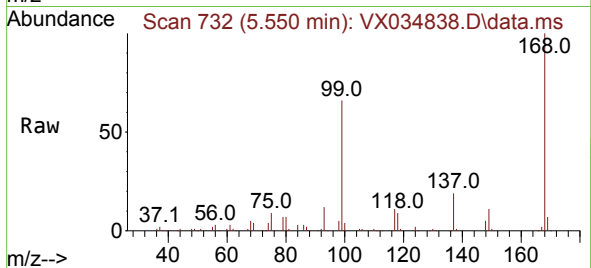
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



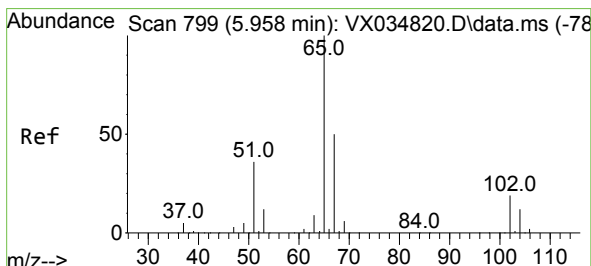
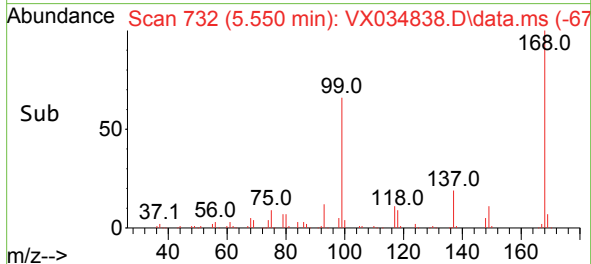
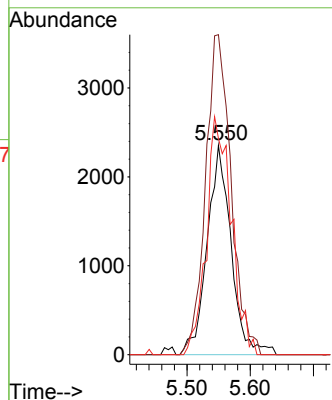


#31
Cyclohexane
Concen: 1.393 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Instrument :
MSVOA_X
ClientSampleId :
API-3-4

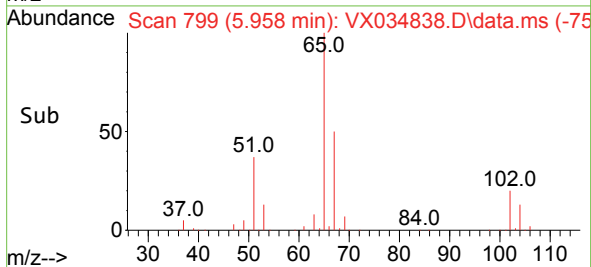
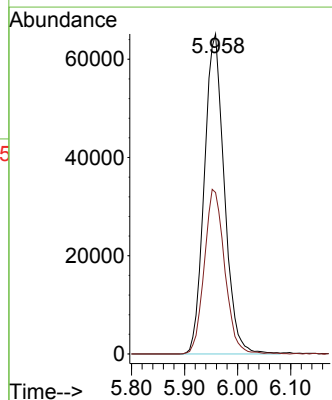
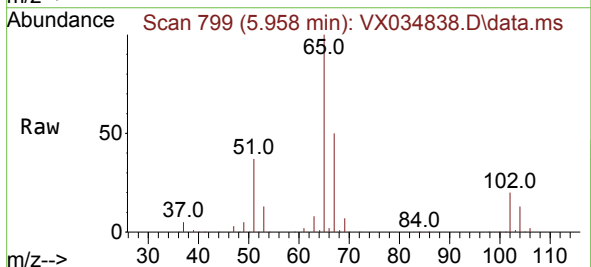


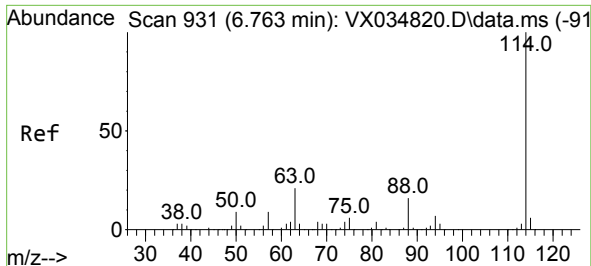
Tgt Ion: 56 Resp: 6201
Ion Ratio Lower Upper
56 100
69 152.9 23.7 35.5#
84 103.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.735 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Tgt Ion: 65 Resp: 170903
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

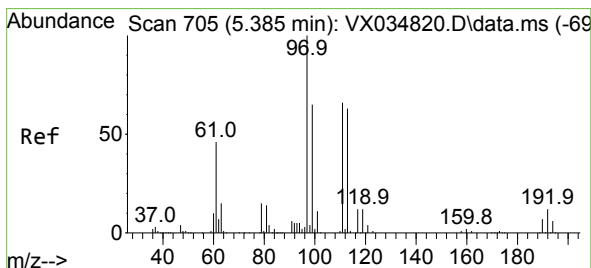
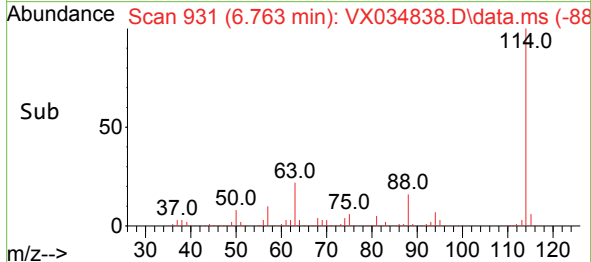
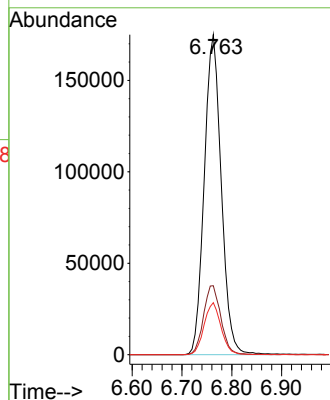
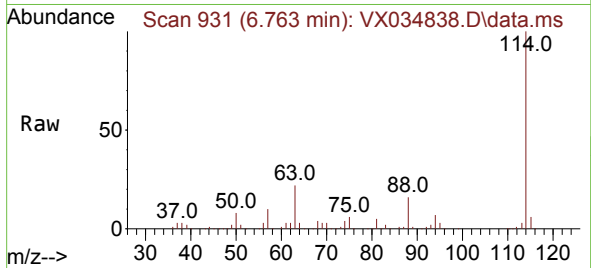




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

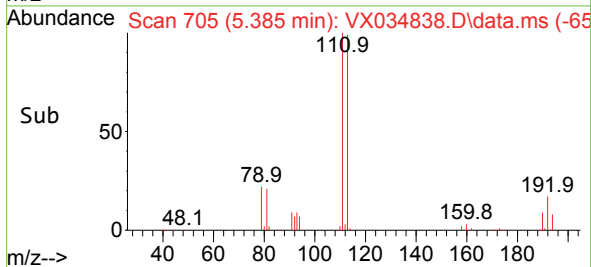
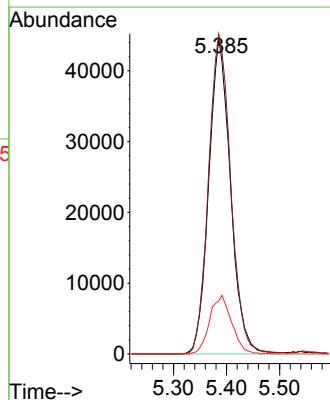
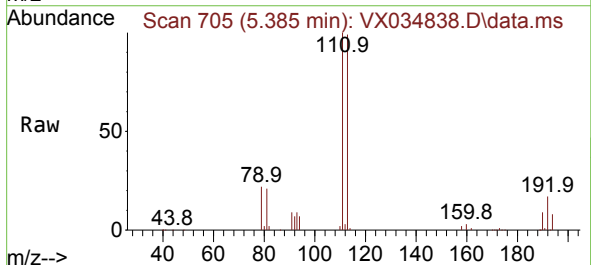
Instrument :
MSVOA_X
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API-3-4

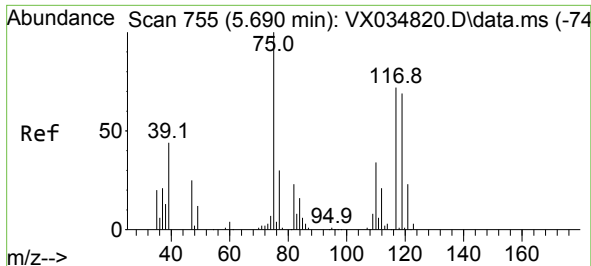
Tgt Ion:114 Resp: 414712
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.2
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.214 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

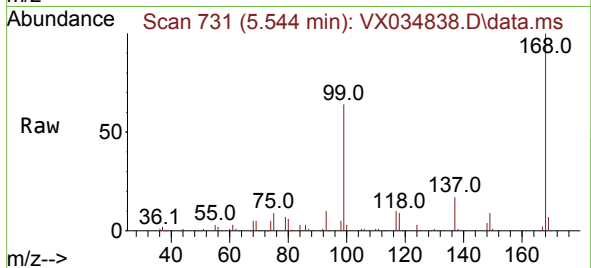
Tgt Ion:113 Resp: 126765
Ion Ratio Lower Upper
113 100
111 103.8 83.7 125.5
192 18.8 15.4 23.2



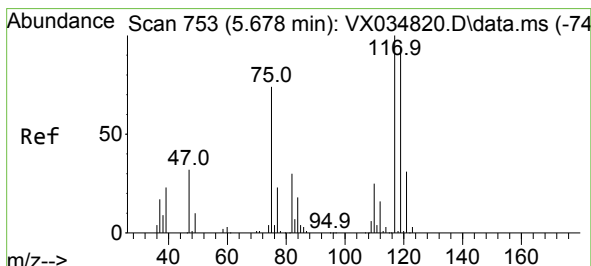
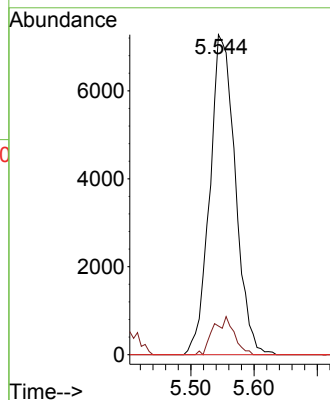
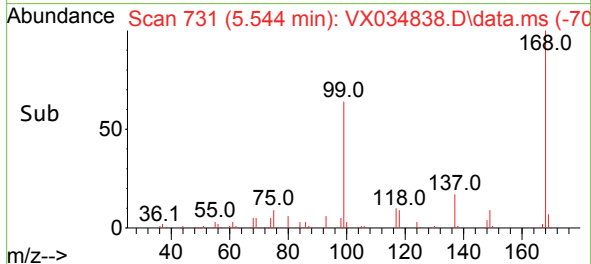


#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.544 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

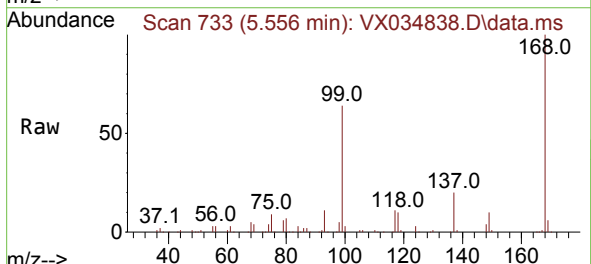
Instrument :
MSVOA_X
ClientSampleId :
API-3-4



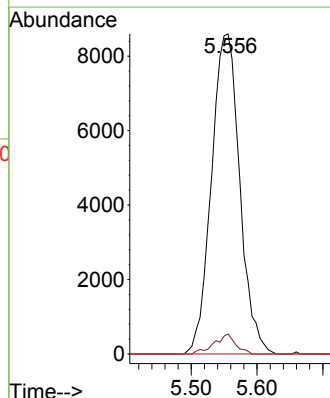
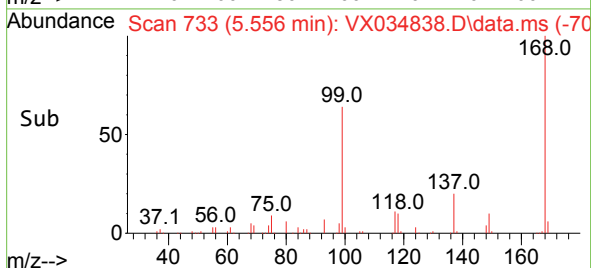
Tgt Ion: 75 Resp: 20363
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.3 36.5#

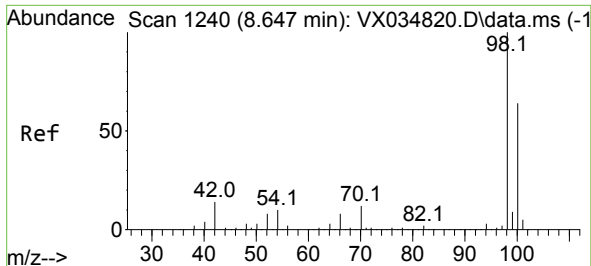


#38
Carbon Tetrachloride
Concen: 6.713 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04



Tgt Ion: 117 Resp: 25721
Ion Ratio Lower Upper
117 100
119 6.2 76.6 114.8#
121 0.0 23.8 35.6#

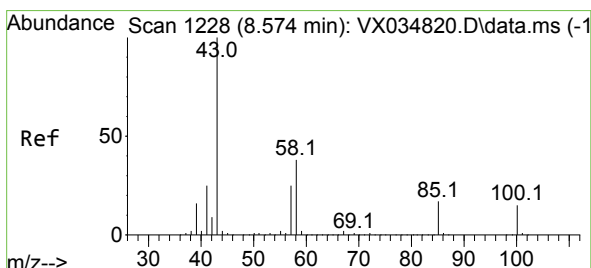
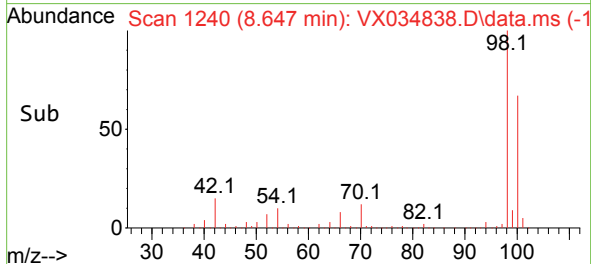
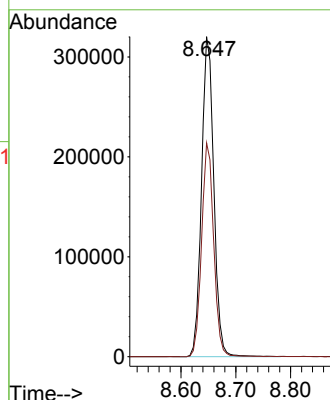
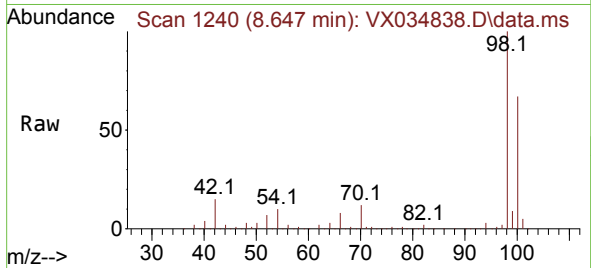




#50
Toluene-d8
Concen: 49.068 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

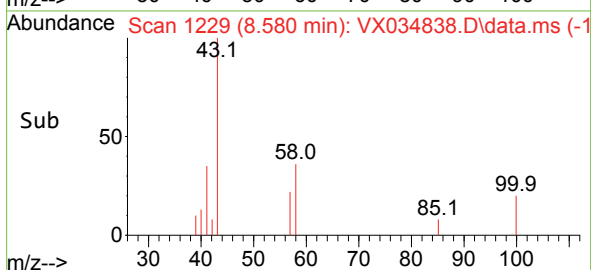
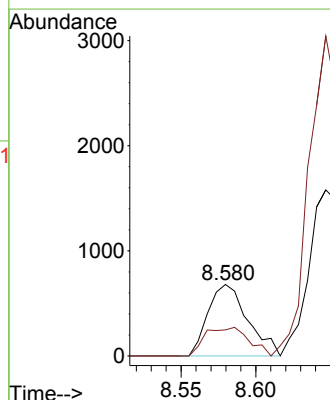
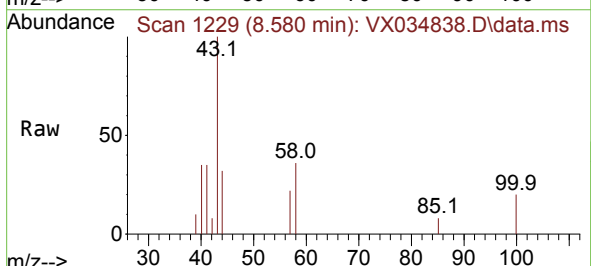
Instrument :
MSVOA_X
ClientSampleId :
API-3-4

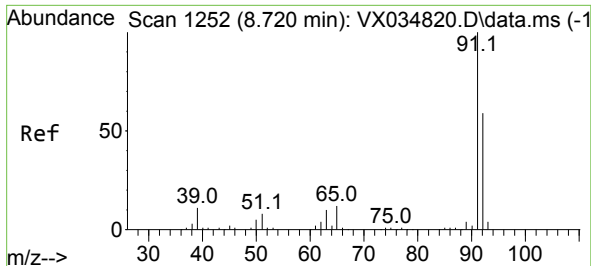
Tgt Ion: 98 Resp: 496789
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
58 43.9 30.6 46.0

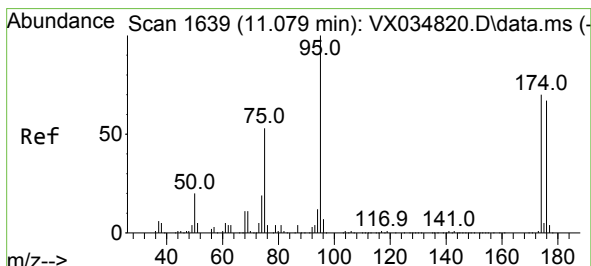
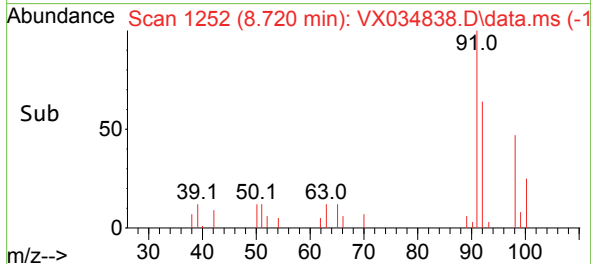
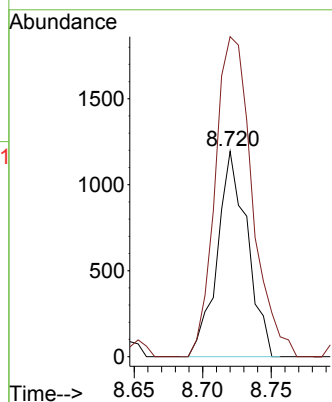
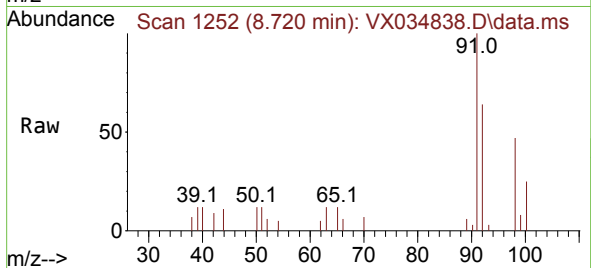




#52
Toluene
Concen: 0.240 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

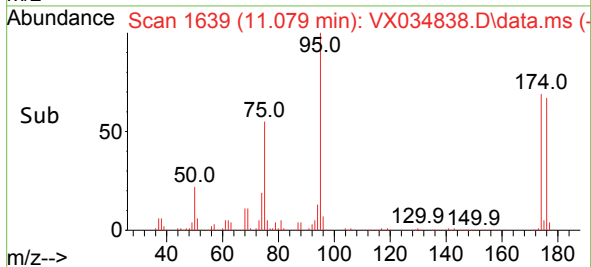
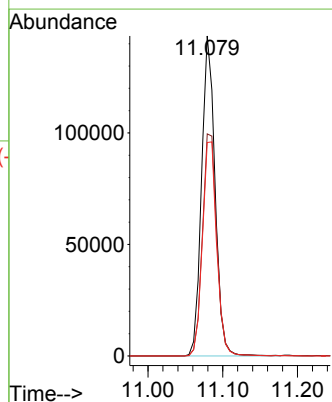
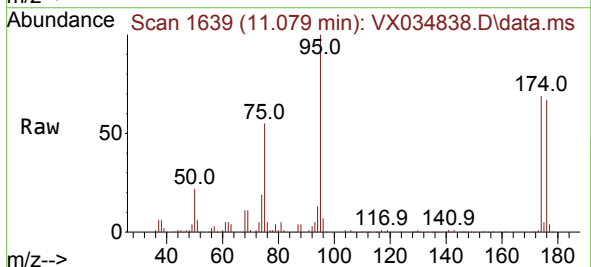
Instrument :
MSVOA_X
ClientSampleId :
API-3-4

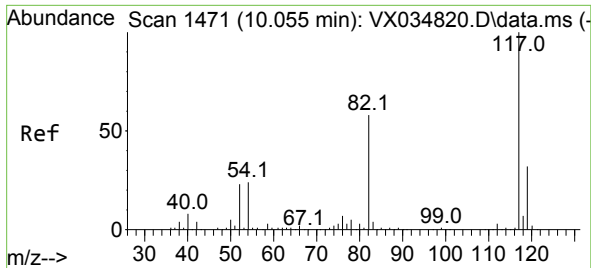
Tgt Ion: 92 Resp: 1826
Ion Ratio Lower Upper
92 100
91 191.9 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 45.859 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Tgt Ion: 95 Resp: 179673
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 70.9 0.0 140.6

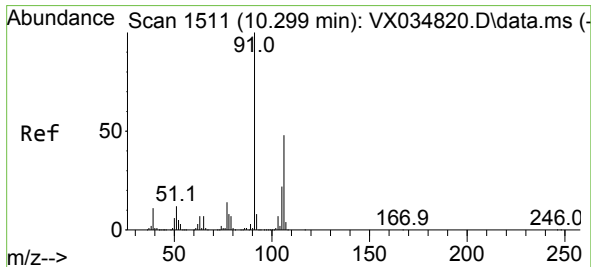
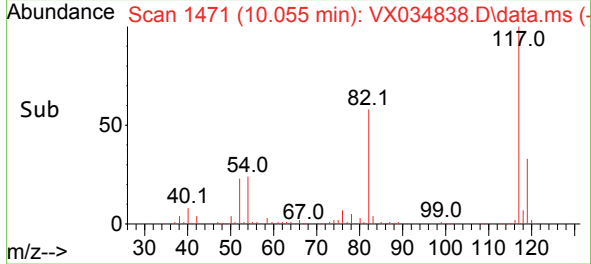
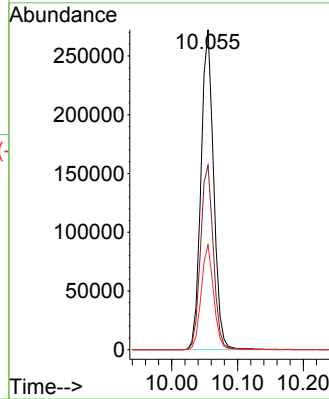
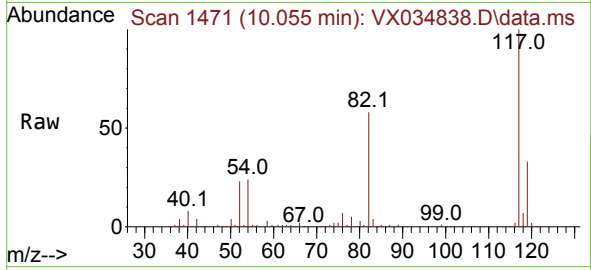




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

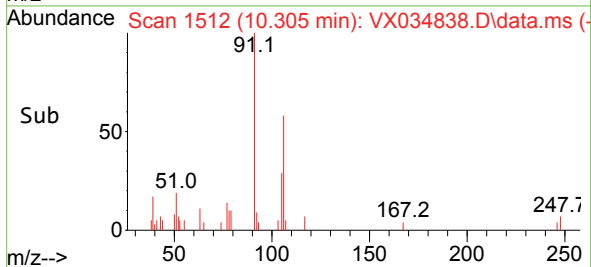
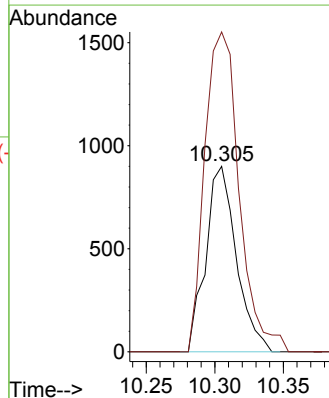
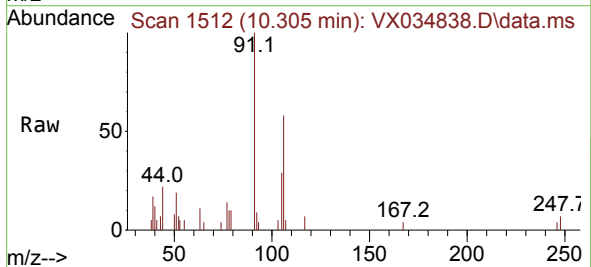
Instrument :
MSVOA_X
ClientSampleId :
API-3-4

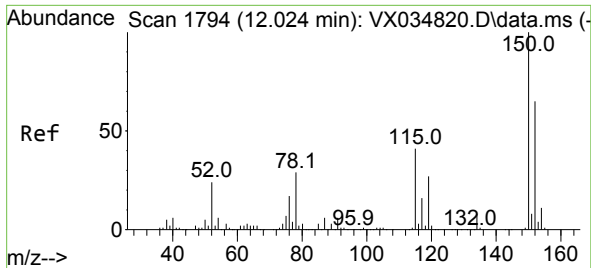
Tgt Ion:117 Resp: 364693
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 32.8 26.0 39.0



#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034838.D
Acq: 29 Mar 2023 19:04

Tgt Ion:106 Resp: 1397
Ion Ratio Lower Upper
106 100
91 194.1 164.0 246.0

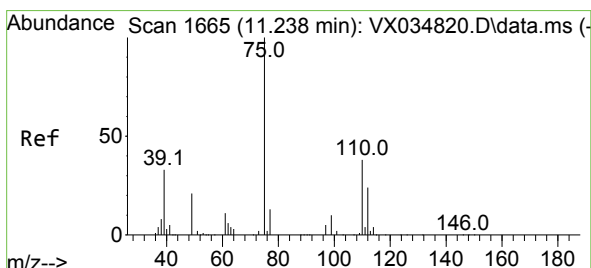
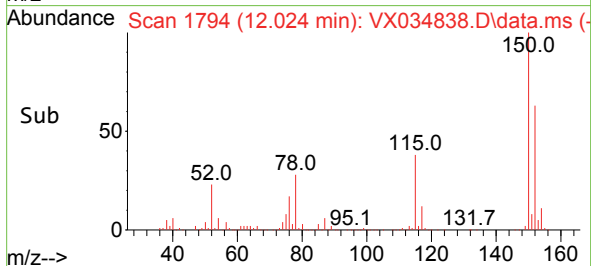
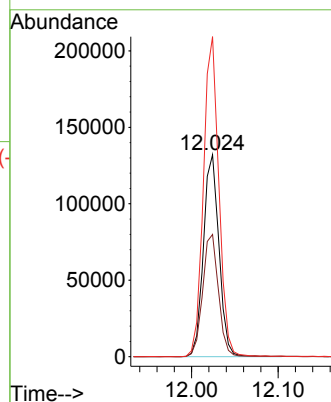
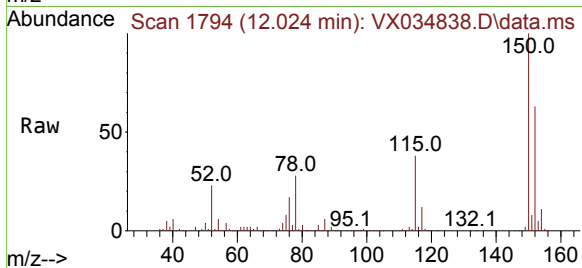




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX034838.D
 Acq: 29 Mar 2023 19:04

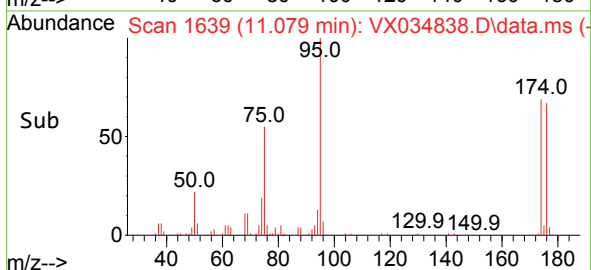
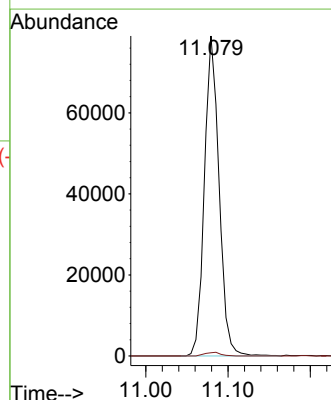
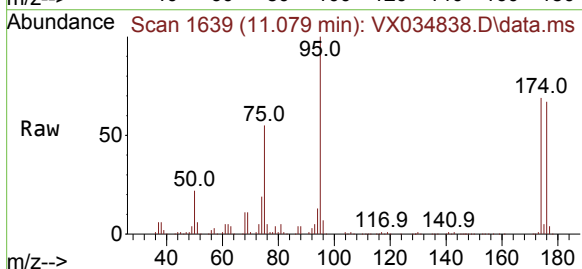
Instrument :
 MSVOA_X
 ClientSampleId :
 API-3-4

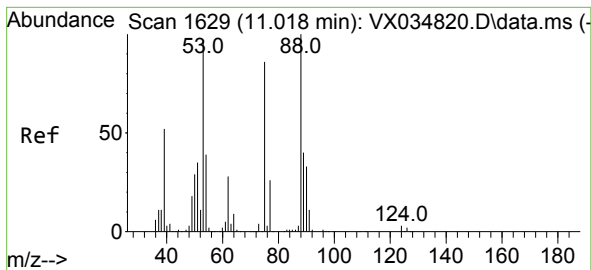
Tgt Ion:152 Resp: 164786
 Ion Ratio Lower Upper
 152 100
 115 61.6 45.0 135.0
 150 157.2 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 26.111 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034838.D
 Acq: 29 Mar 2023 19:04

Tgt Ion: 75 Resp: 97920
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.383 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX034838.D
 Acq: 29 Mar 2023 19:04

Instrument :
 MSVOA_X
 ClientSampleId :
 API-3-4

Tgt Ion: 75 Resp: 97920
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

