

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036714.D
 Acq On : 31 Jul 2023 12:47
 Operator : JC/MD
 Sample : 03840-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-3

Quant Time: Aug 01 04:35:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

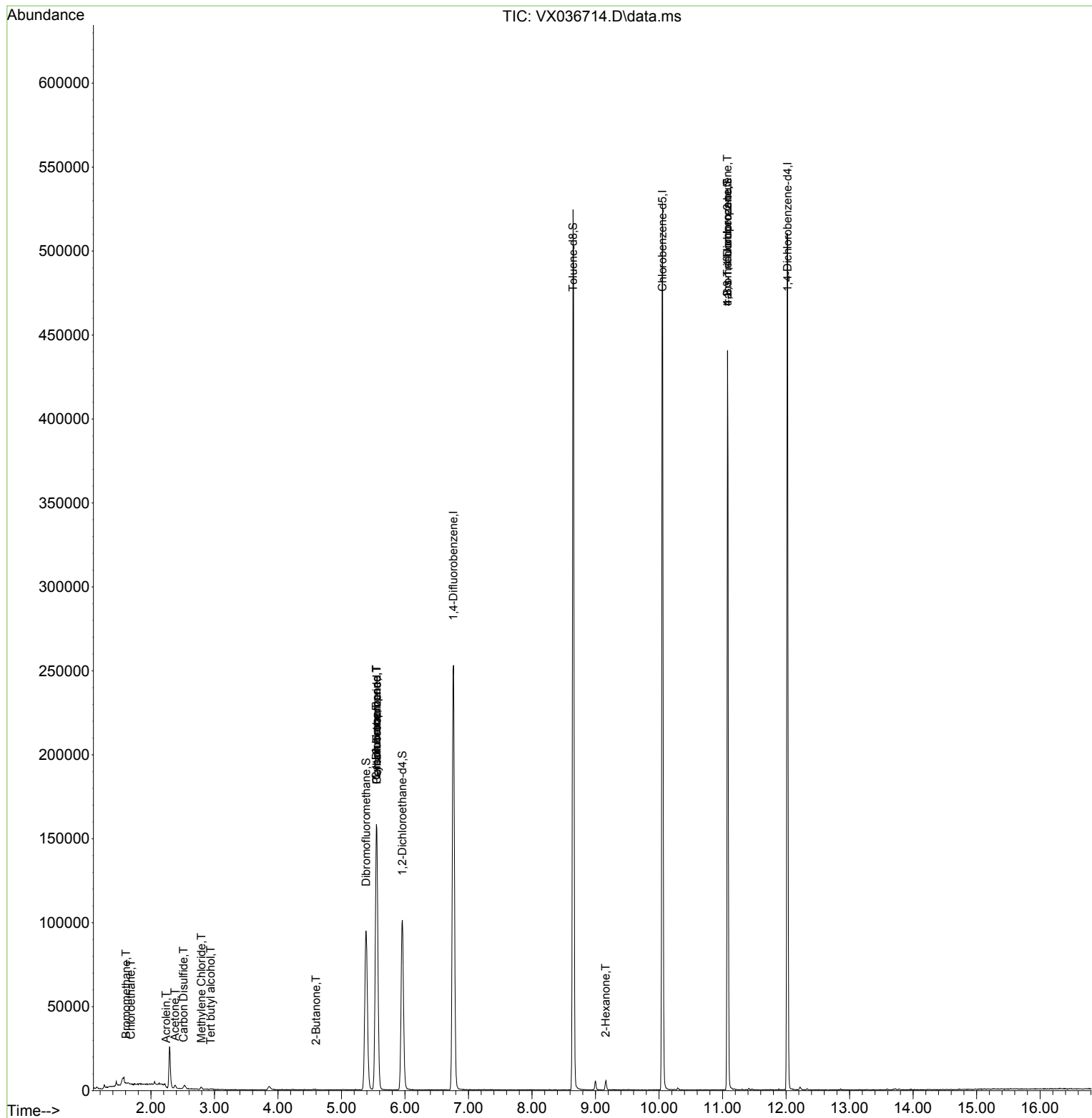
Internal Standards						
1) Pentafluorobenzene	5.556	168	147549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	261923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99178	45.428	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.860%		
35) Dibromofluoromethane	5.385	113	85279	47.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.740%		
50) Toluene-d8	8.647	98	311775	48.835	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	115339	47.884	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.760%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	442	0.410	ug/l #	22
6) Chloroethane	1.685	64	354	0.403	ug/l #	80
11) Tert butyl alcohol	2.941	59	313	0.606	ug/l #	87
13) Acrolein	2.239	56	319	1.081	ug/l	84
16) Acetone	2.380	43	2568	2.835	ug/l	99
17) Carbon Disulfide	2.514	76	1505	0.330	ug/l	99
20) Methylene Chloride	2.794	84	676	0.336	ug/l #	75
25) 2-Butanone	4.599	43	328	0.223	ug/l #	51
31) Cyclohexane	5.550	56	3514	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12171	4.536	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15466	5.421	ug/l #	14
59) 2-Hexanone	9.159	43	610	0.284	ug/l	69
76) 1,2,3-Trichloropropane	11.079	75	59390	23.488	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	59390	53.237	ug/l #	5

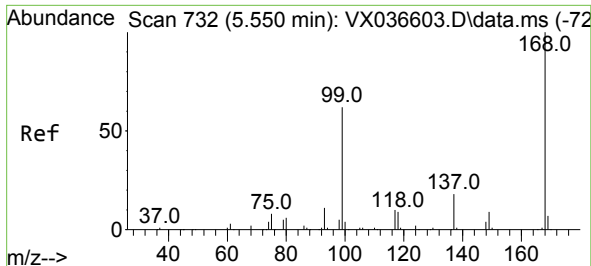
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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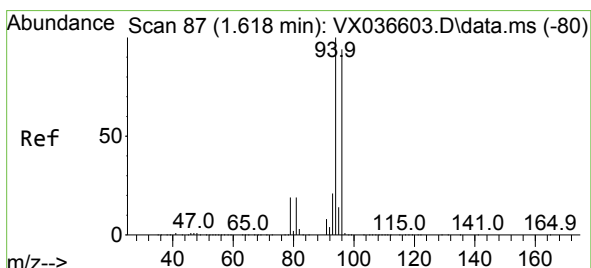
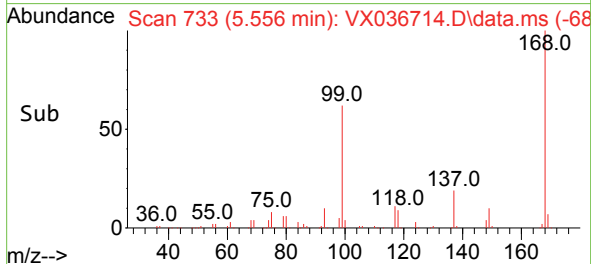
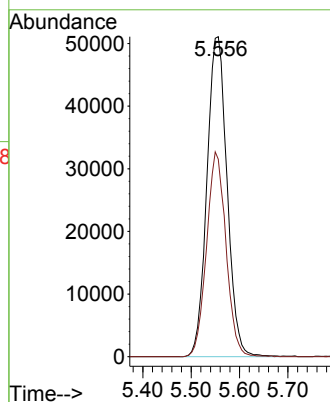
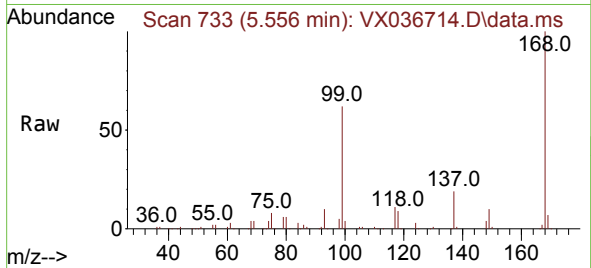




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

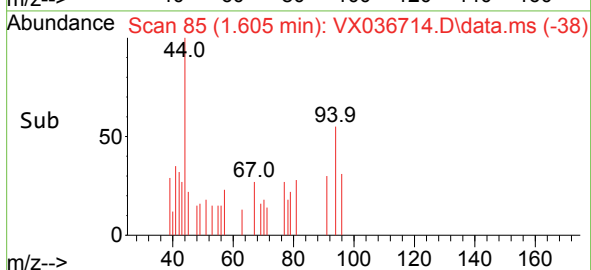
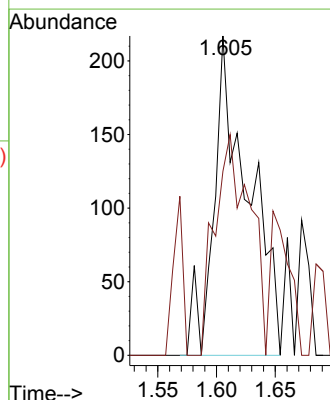
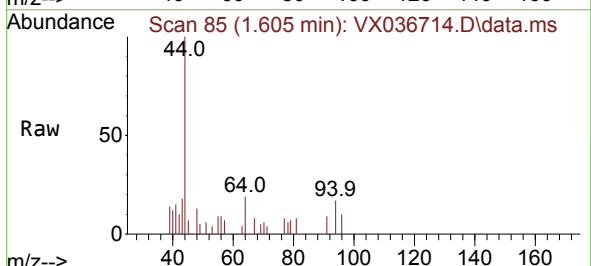
Instrument :
MSVOA_X
ClientSampleId :
TB-3

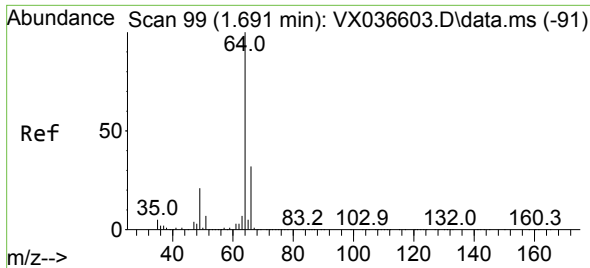
Tgt Ion:168 Resp: 147549
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#5
Bromomethane
Concen: 0.410 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 94 Resp: 442
Ion Ratio Lower Upper
94 100
96 18.4 74.6 111.8#

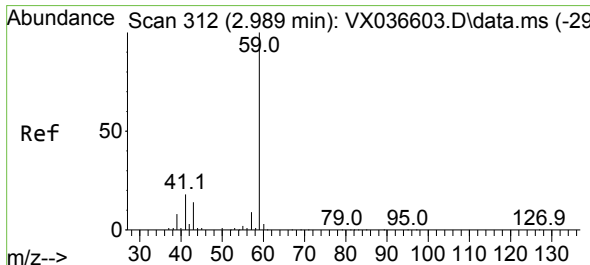
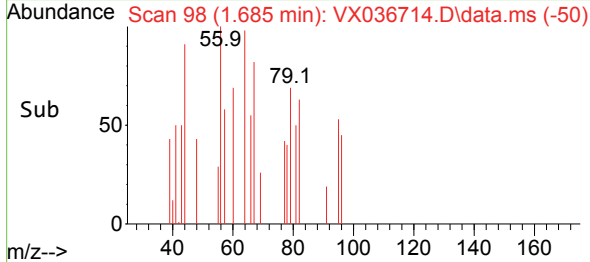
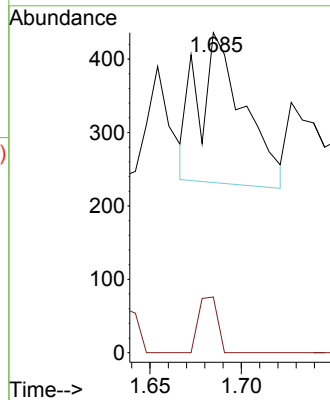
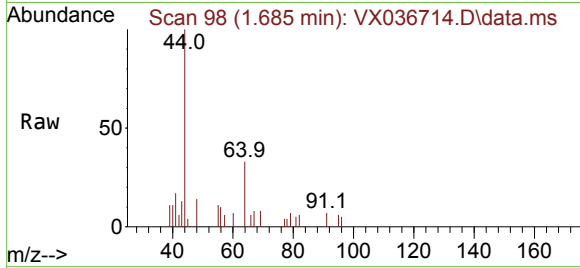




#6
Chloroethane
Concen: 0.403 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

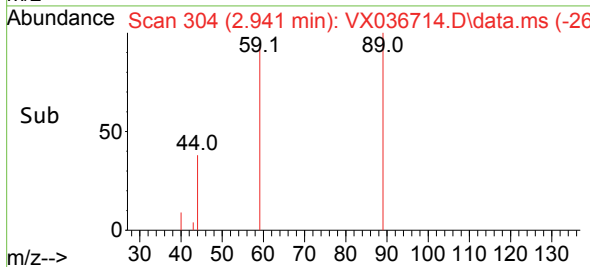
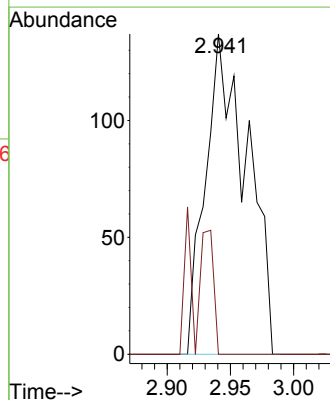
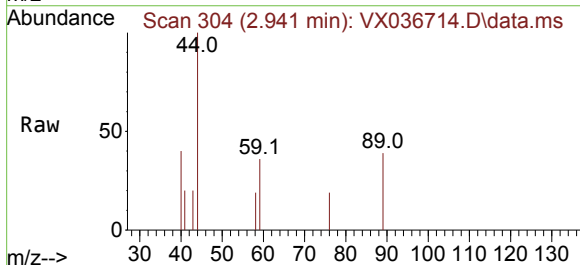
Instrument :
MSVOA_X
ClientSampleId :
TB-3

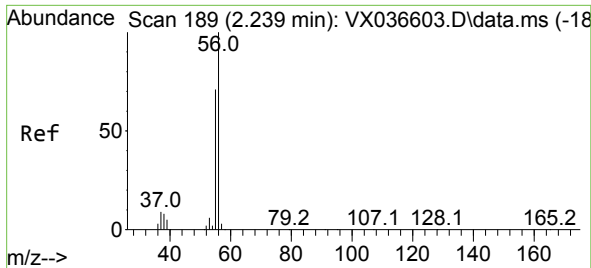
Tgt Ion: 64 Resp: 354
Ion Ratio Lower Upper
64 100
66 42.2 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.606 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 12.1 6.0 9.0#





#13

Acrolein

Concen: 1.081 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036714.D

Acq: 31 Jul 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

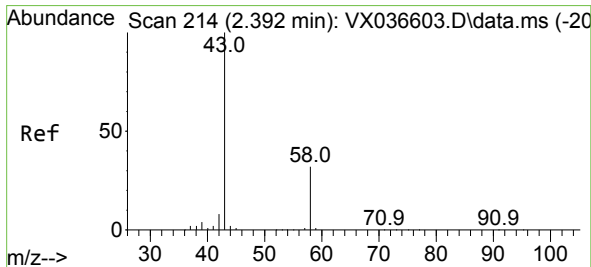
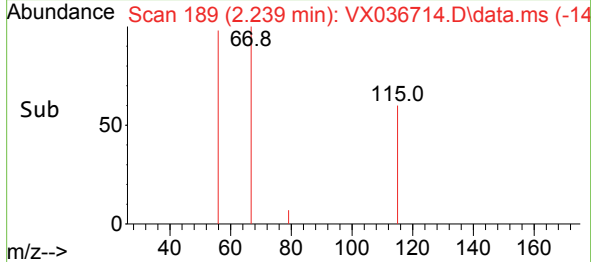
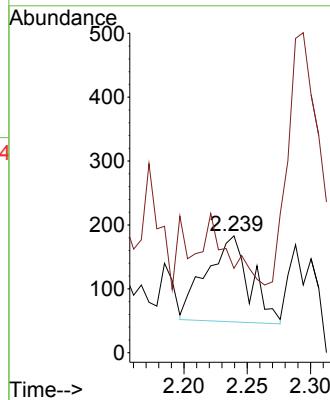
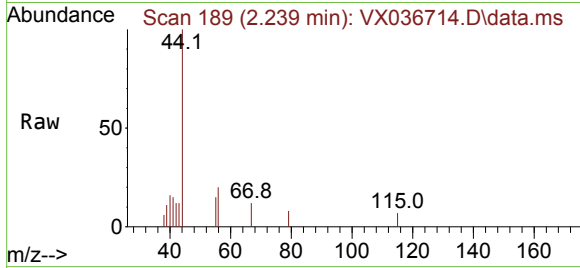
TB-3

Tgt Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

55 58.0 57.1 85.7



#16

Acetone

Concen: 2.835 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX036714.D

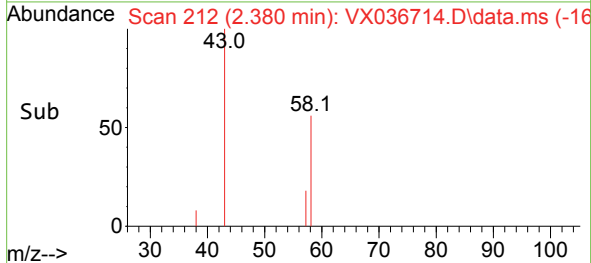
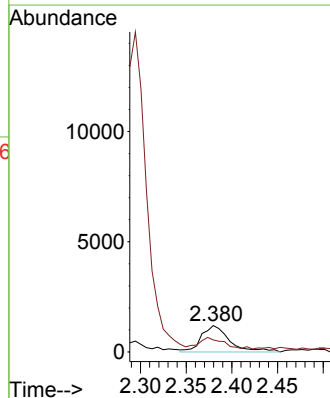
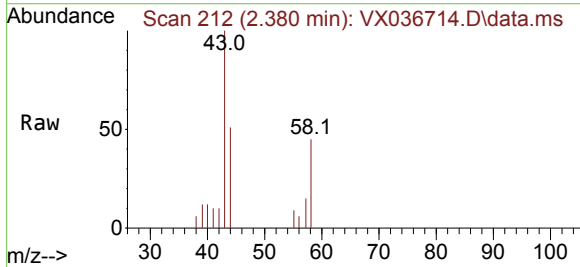
Acq: 31 Jul 2023 12:47

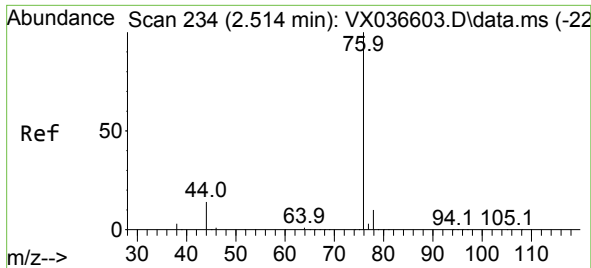
Tgt Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

58 28.0 21.9 32.9

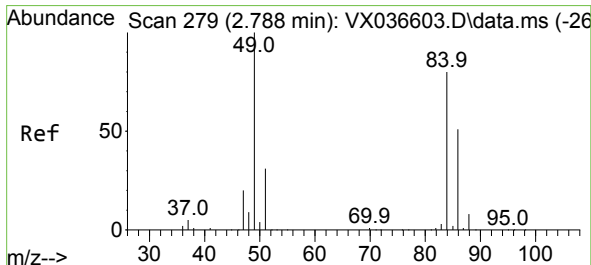
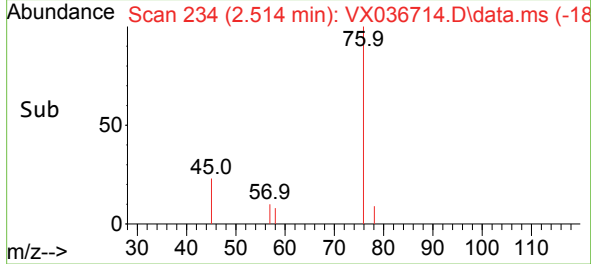
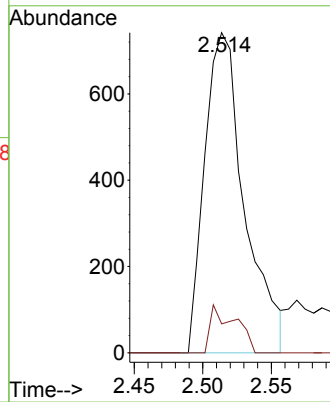
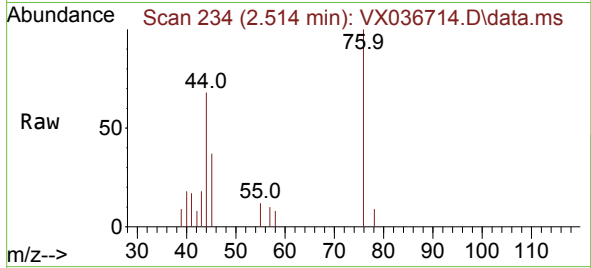




#17
Carbon Disulfide
Concen: 0.330 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

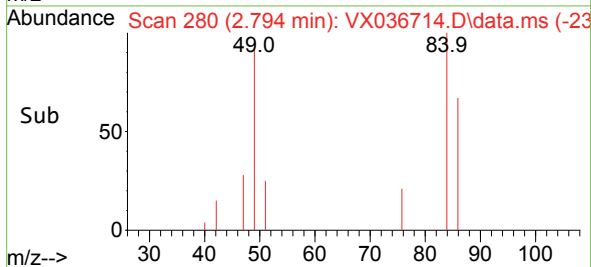
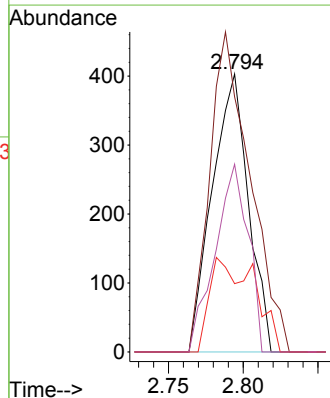
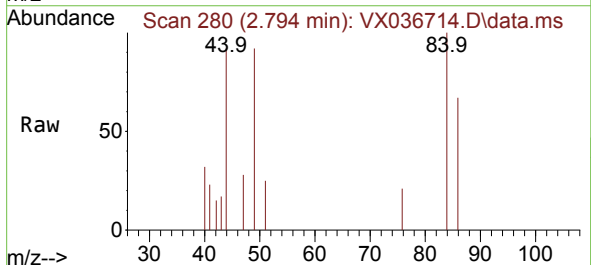
Instrument :
MSVOA_X
ClientSampleId :
TB-3

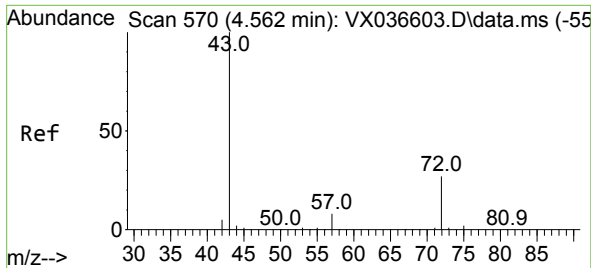
Tgt Ion: 76 Resp: 1505
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 84 Resp: 676
Ion Ratio Lower Upper
84 100
49 91.8 103.6 155.4#
51 24.6 33.8 50.6#
86 67.5 49.4 74.0

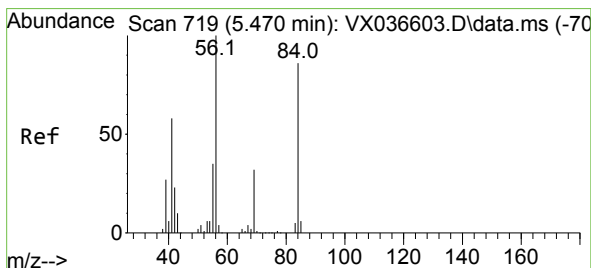
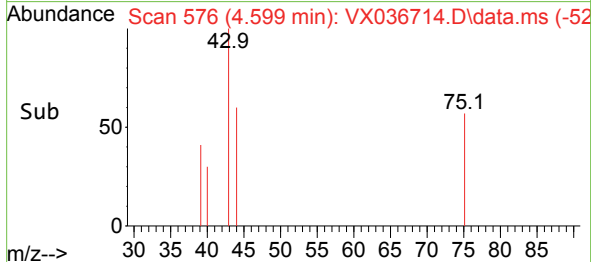
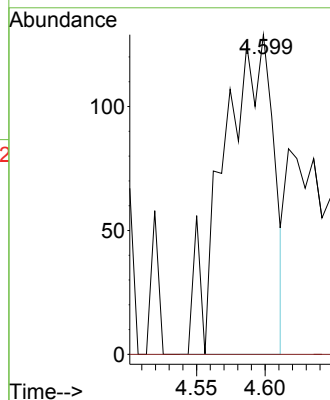
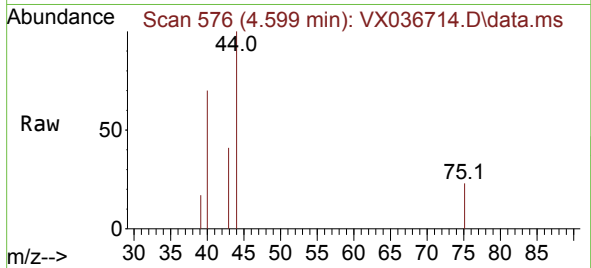




#25
2-Butanone
Concen: 0.223 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

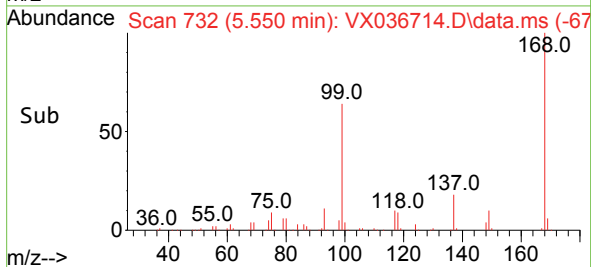
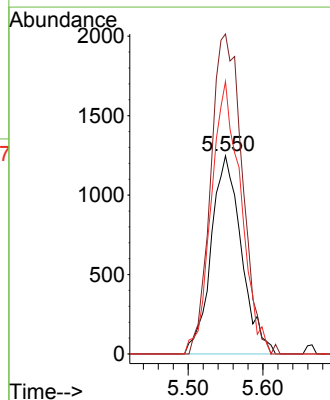
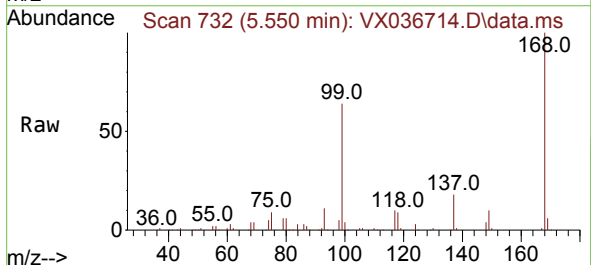
Instrument :
MSVOA_X
ClientSampleId :
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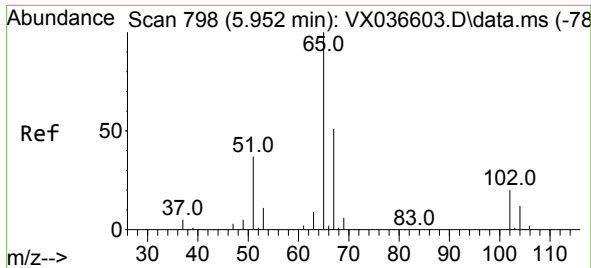
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 56 Resp: 3514
Ion Ratio Lower Upper
56 100
69 161.5 23.4 35.2#
84 137.5 65.9 98.9#

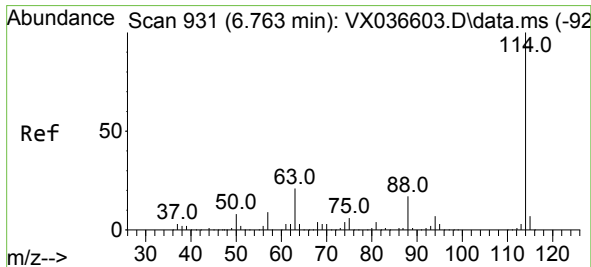
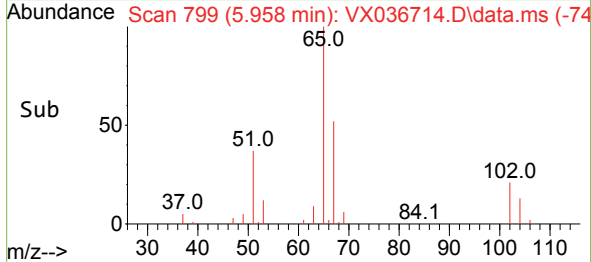
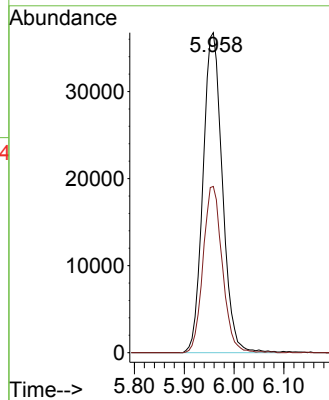
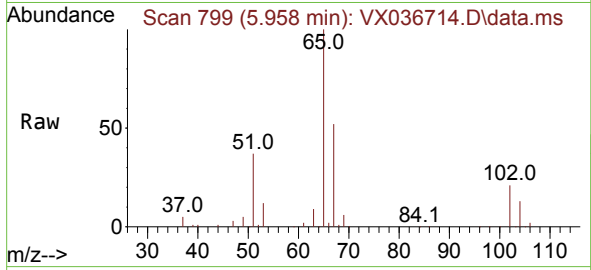




#33
 1,2-Dichloroethane-d4
 Concen: 45.428 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX036714.D
 Acq: 31 Jul 2023 12:47

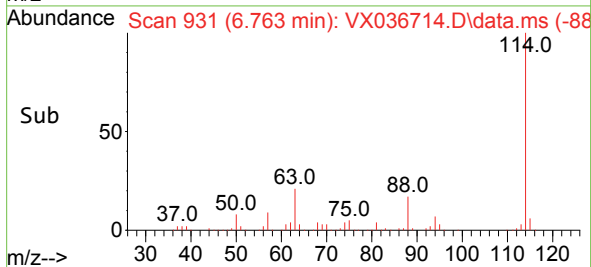
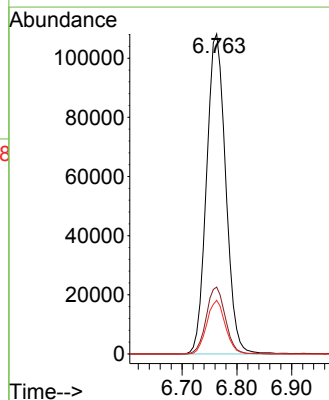
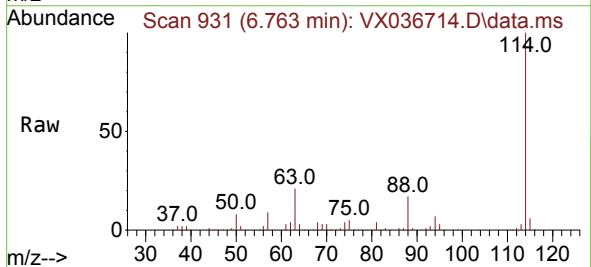
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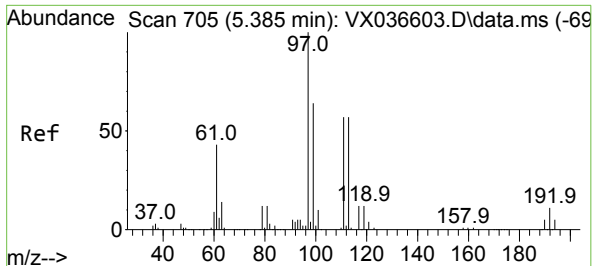
Tgt Ion: 65 Resp: 99178
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036714.D
 Acq: 31 Jul 2023 12:47

Tgt Ion: 114 Resp: 261923
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.0
 88 16.7 0.0 36.6

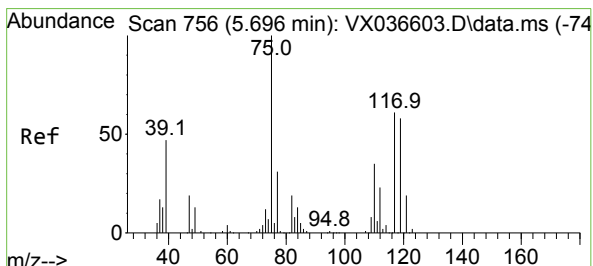
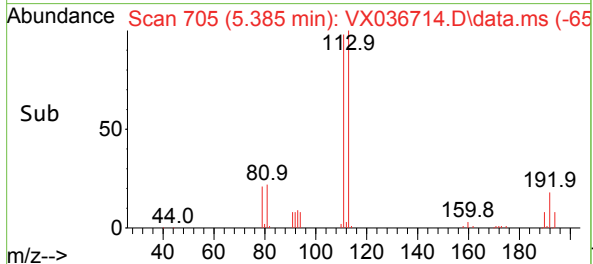
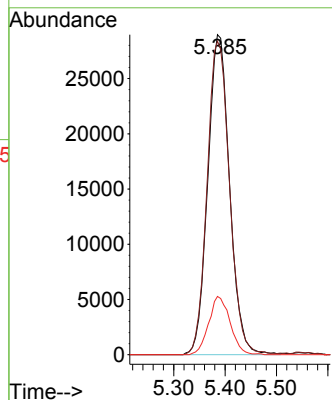
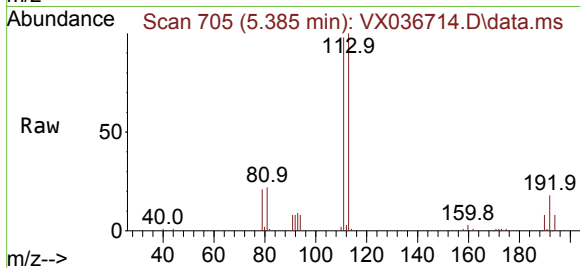




#35
Dibromofluoromethane
Concen: 47.369 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

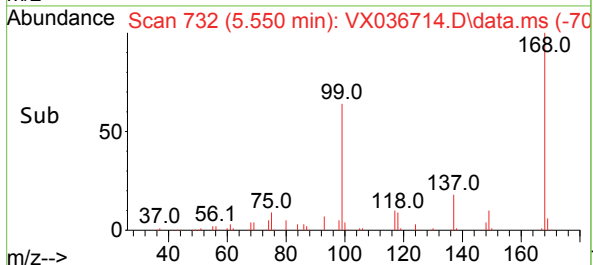
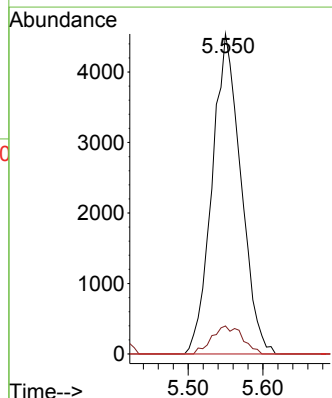
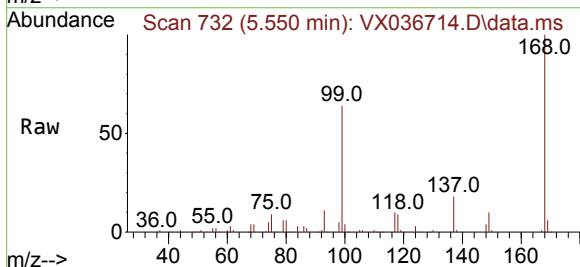
Instrument :
MSVOA_X
ClientSampleId :
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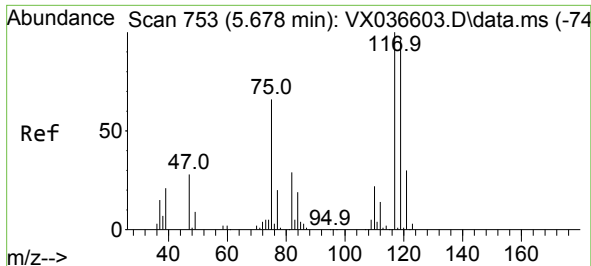
Tgt Ion:113 Resp: 85279
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.536 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

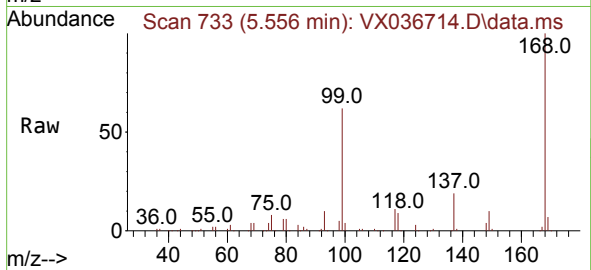
Tgt Ion: 75 Resp: 12171
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



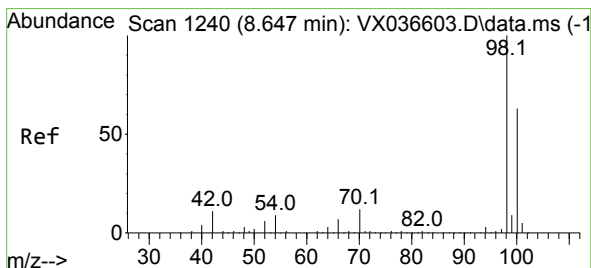
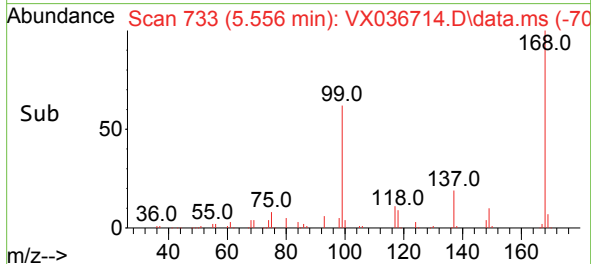
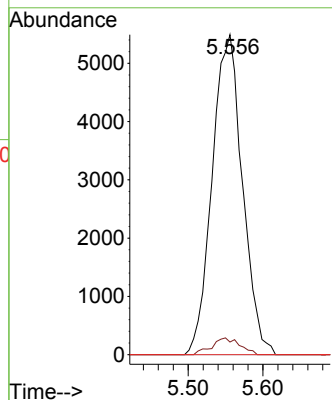


#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB-3

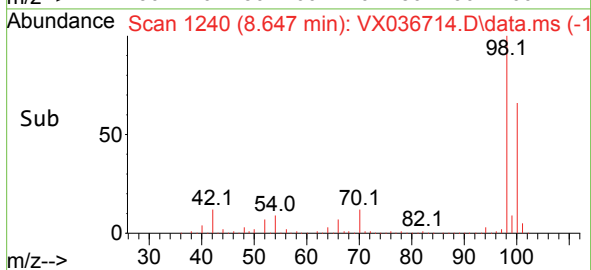
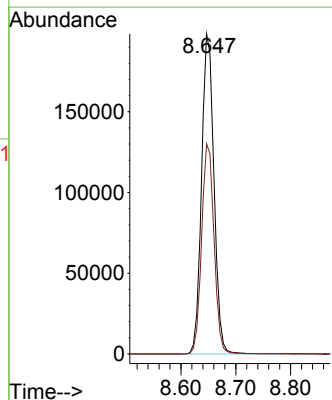
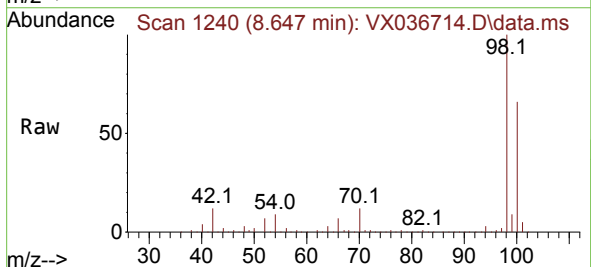


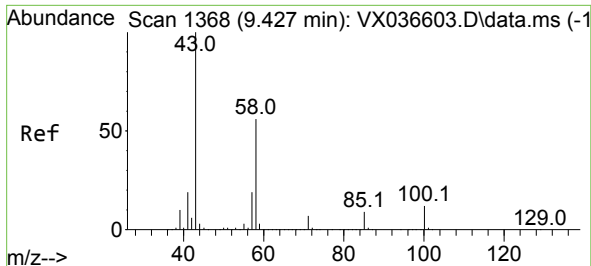
Tgt Ion:117 Resp: 15466
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.835 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 98 Resp: 311775
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7





#59

2-Hexanone

Concen: 0.284 ug/l

RT: 9.159 min Scan# 11

Delta R.T. -0.268 min

Lab File: VX036714.D

Acq: 31 Jul 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

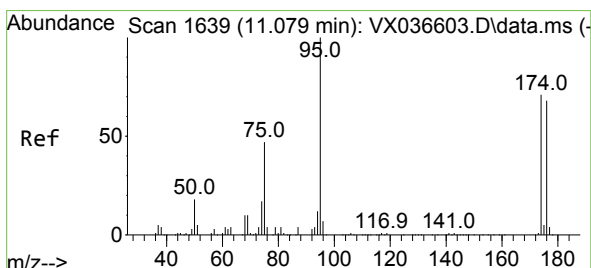
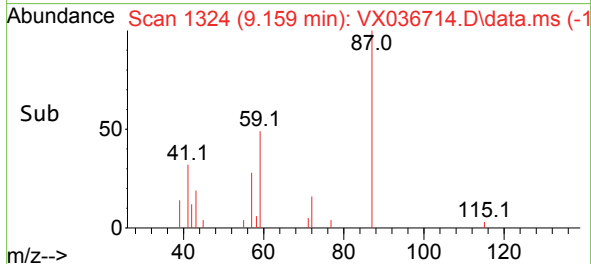
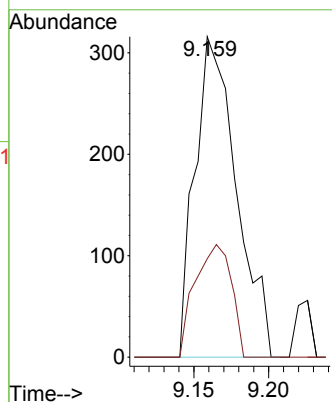
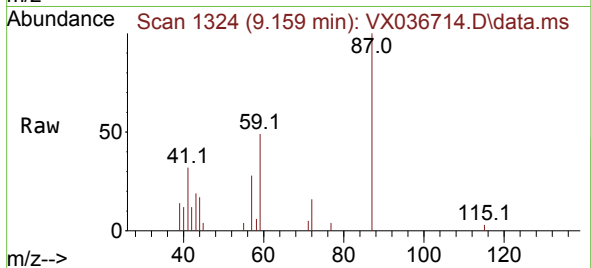
TB-3

Tgt Ion: 43 Resp: 610

Ion Ratio Lower Upper

43 100

58 30.7 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 47.884 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036714.D

Acq: 31 Jul 2023 12:47

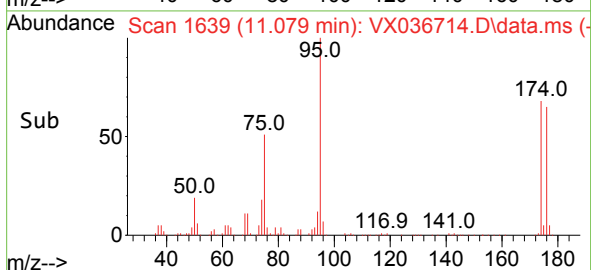
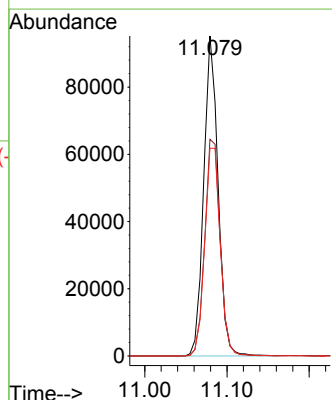
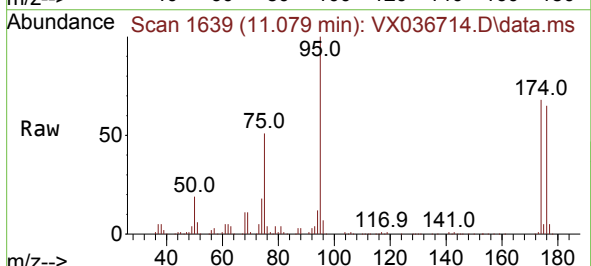
Tgt Ion: 95 Resp: 115339

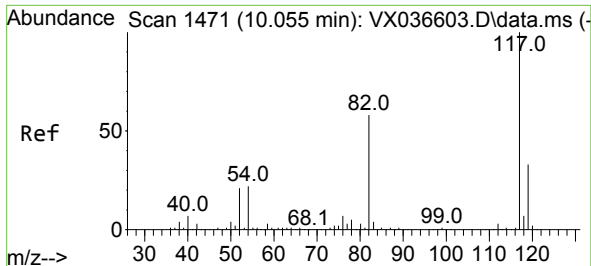
Ion Ratio Lower Upper

95 100

174 72.7 0.0 135.6

176 70.7 0.0 131.0

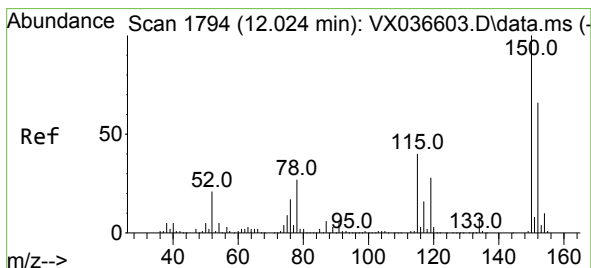
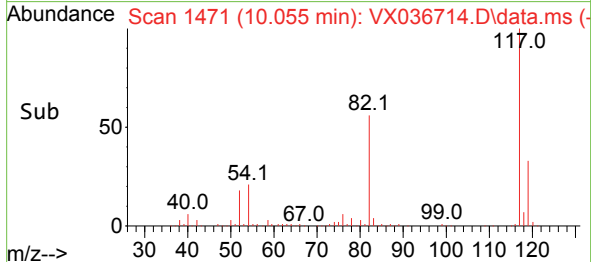
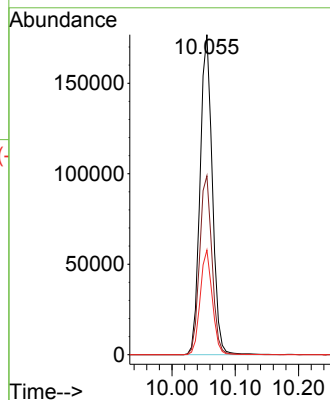
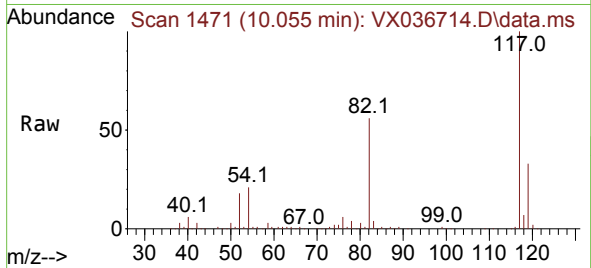




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

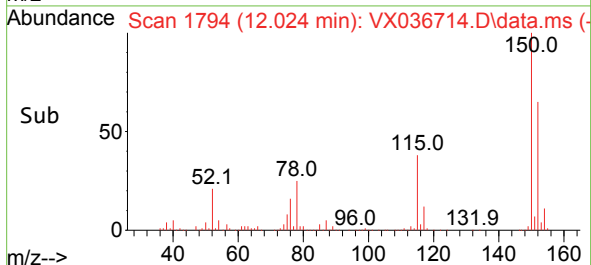
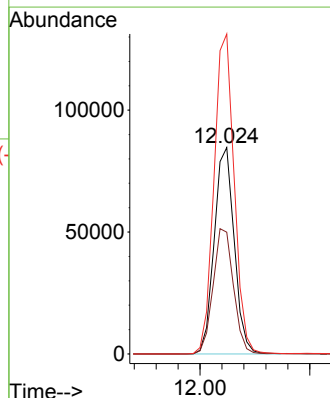
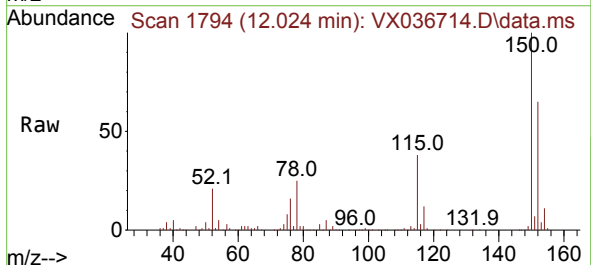
Instrument :
MSVOA_X
ClientSampleId :
TB-3

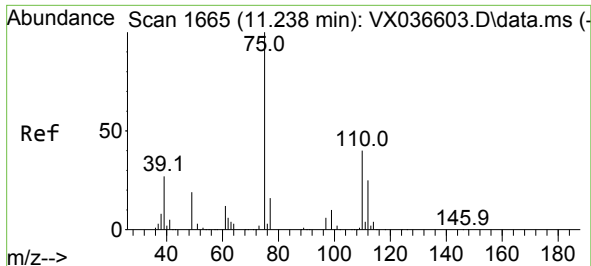
Tgt Ion:117 Resp: 238903
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion:152 Resp: 107501
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 156.0 0.0 345.0

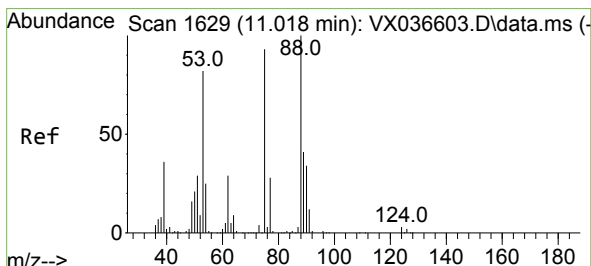
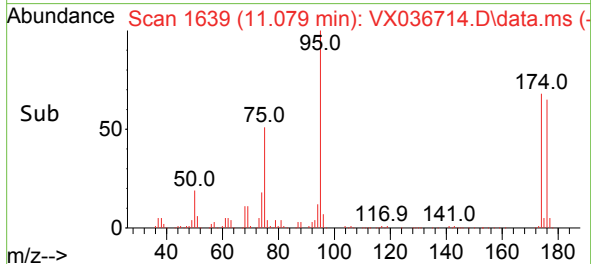
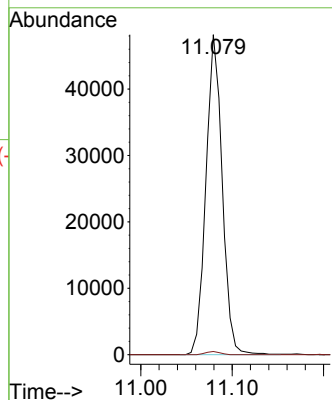
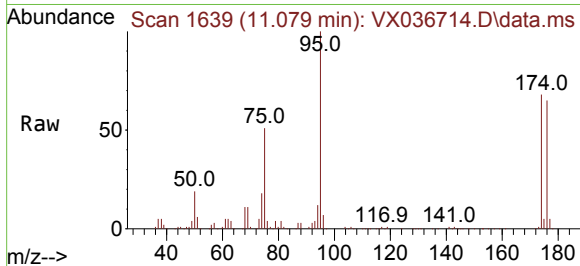




#76
1,2,3-Trichloropropane
Concen: 23.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB-3

Tgt Ion: 75 Resp: 59390
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036714.D
Acq: 31 Jul 2023 12:47

Tgt Ion: 75 Resp: 59390
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

