

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036725.D
 Acq On : 31 Jul 2023 17:11
 Operator : JC/MD
 Sample : 03808-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1710DL

Quant Time: Aug 01 04:39:45 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	5.550	168	127633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93851	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87133	46.138	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.280%
35) Dibromofluoromethane	5.391	113	73707	46.482	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.960%
50) Toluene-d8	8.647	98	273823	48.694	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.380%
62) 4-Bromofluorobenzene	11.079	95	101028	47.619	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.240%

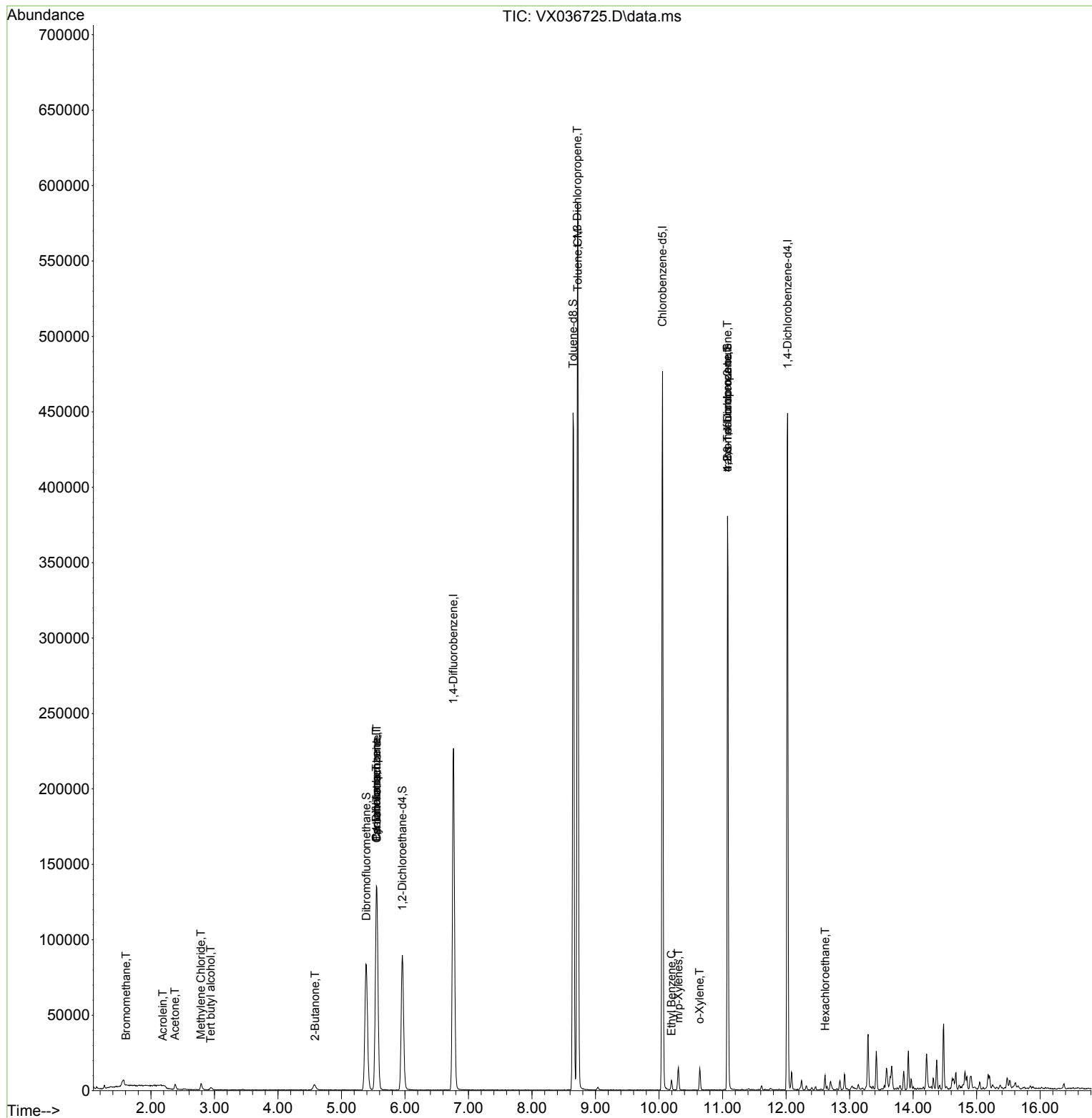
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	222	0.238	ug/l #	65
11) Tert butyl alcohol	2.940	59	1001	2.239	ug/l #	78
13) Acrolein	2.184	56	80	0.314	ug/l #	1
16) Acetone	2.380	43	4116	5.252	ug/l	96
20) Methylene Chloride	2.788	84	1962	1.126	ug/l	87
25) 2-Butanone	4.586	43	1302	1.024	ug/l	95
31) Cyclohexane	5.550	56	2846	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10438	4.416	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13631	5.425	ug/l #	14
52) Toluene	8.720	92	220396	51.151	ug/l	98
53) t-1,3-Dichloropropene	8.714	75	2503	0.840	ug/l #	1
67) Ethyl Benzene	10.195	91	3753	0.446	ug/l	95
68) m/p-Xylenes	10.305	106	3478	1.108	ug/l	91
69) o-Xylene	10.640	106	3064	0.978	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	51770	23.452	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51770	53.156	ug/l #	5
90) Hexachloroethane	12.616	117	408	0.307	ug/l #	17

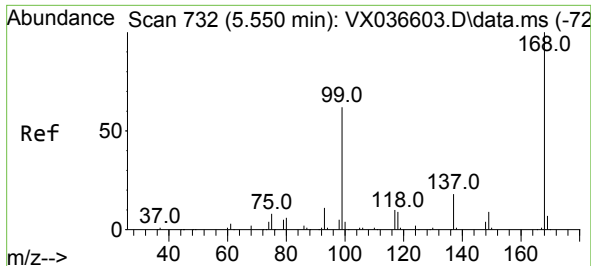
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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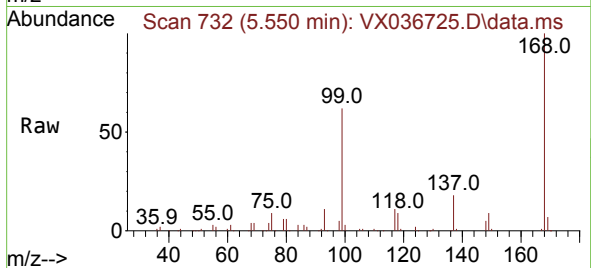
Quant Time: Aug 01 04:39:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
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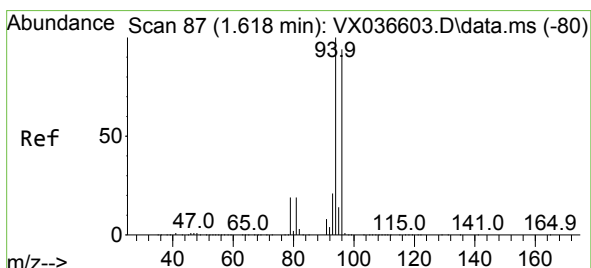
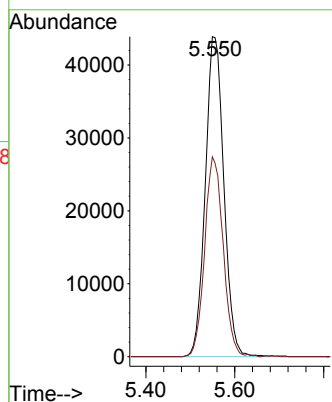
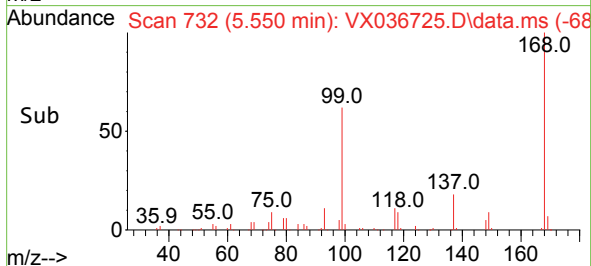


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
1710DL

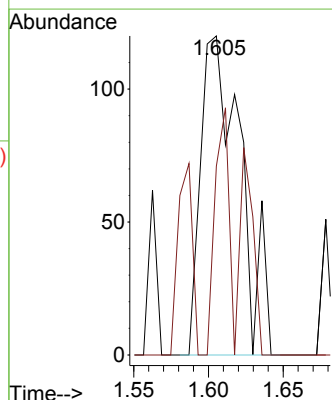
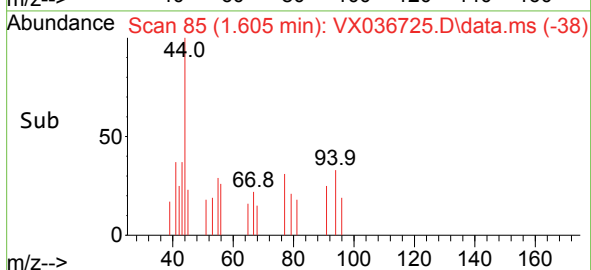
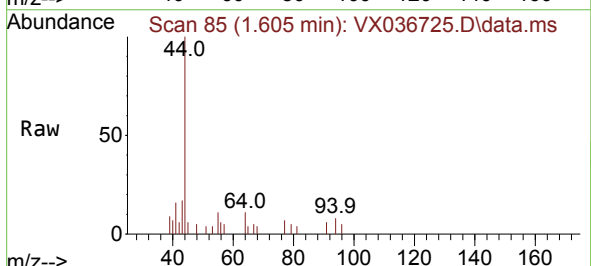


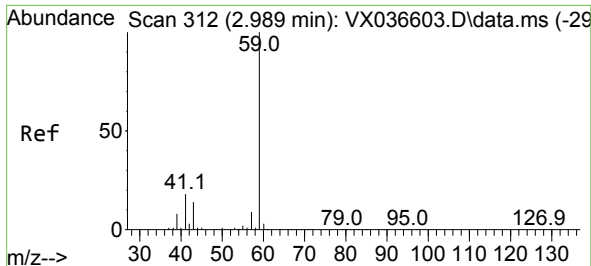
Tgt Ion:168 Resp: 127633
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.238 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 59.2 74.6 111.8#





#11

Tert butyl alcohol

Concen: 2.239 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

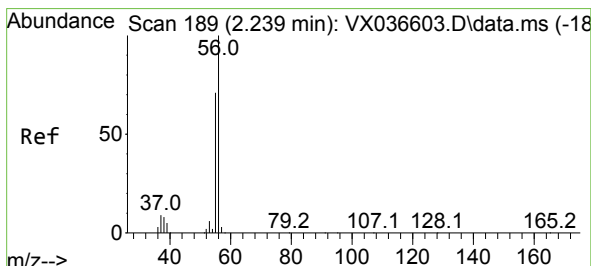
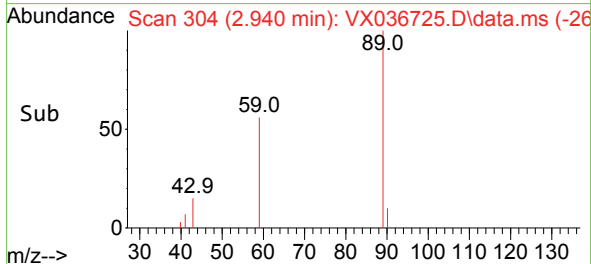
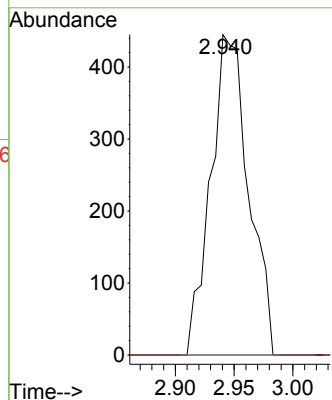
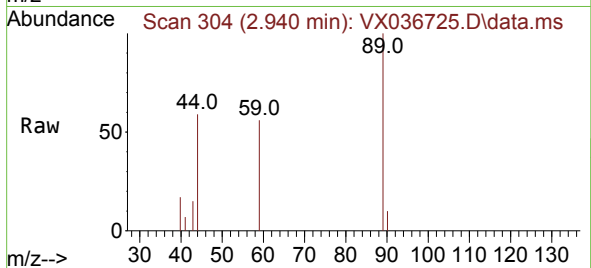
1710DL

Tgt Ion: 59 Resp: 1001

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.314 ug/l

RT: 2.184 min Scan# 180

Delta R.T. -0.055 min

Lab File: VX036725.D

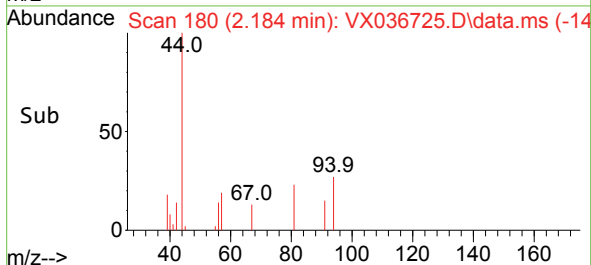
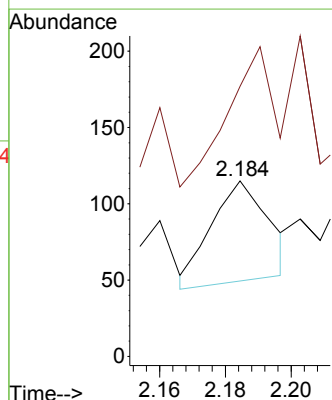
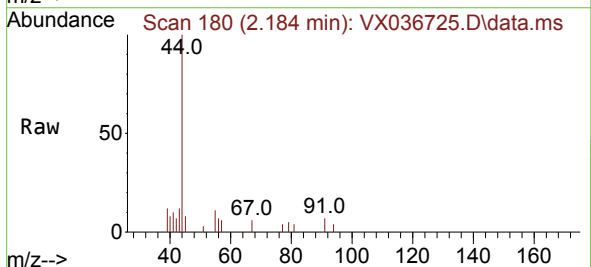
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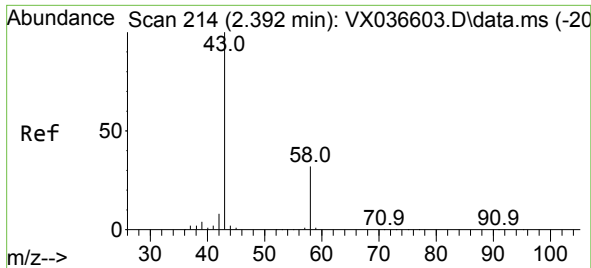
Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 233.8 57.1 85.7#

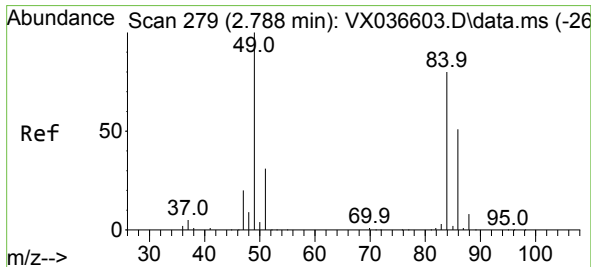
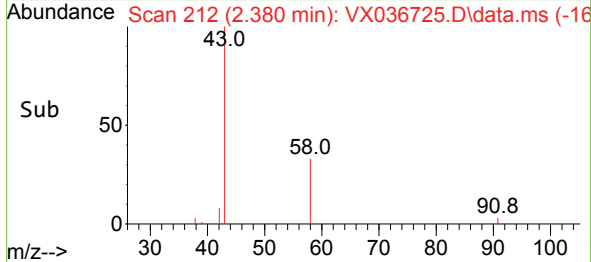
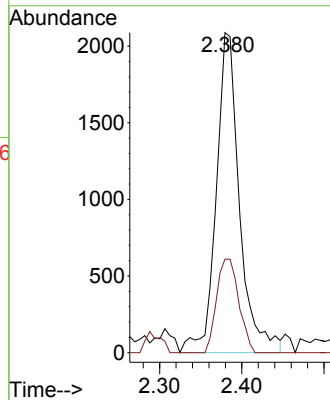
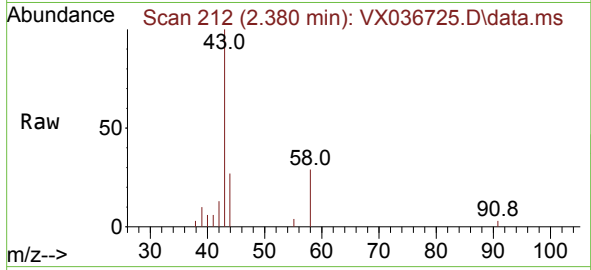




#16
Acetone
Concen: 5.252 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

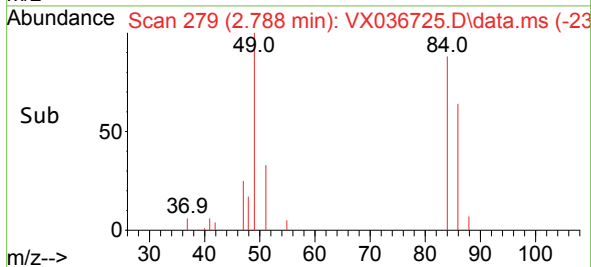
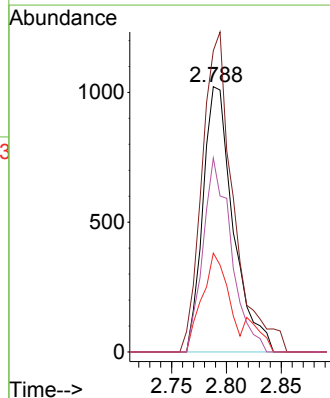
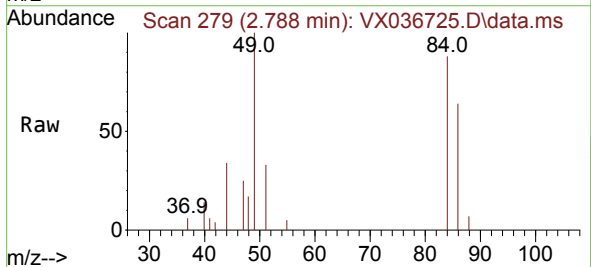
Instrument :
MSVOA_X
ClientSampleId :
1710DL

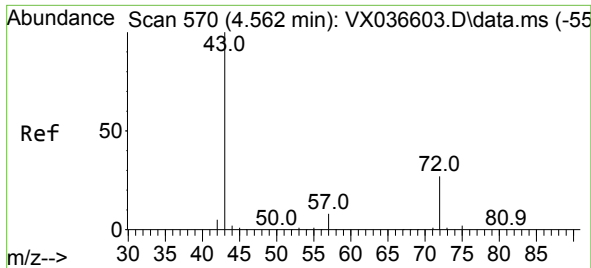
Tgt Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9



#20
Methylene Chloride
Concen: 1.126 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 84 Resp: 1962
Ion Ratio Lower Upper
84 100
49 113.6 103.6 155.4
51 37.3 33.8 50.6
86 73.1 49.4 74.0

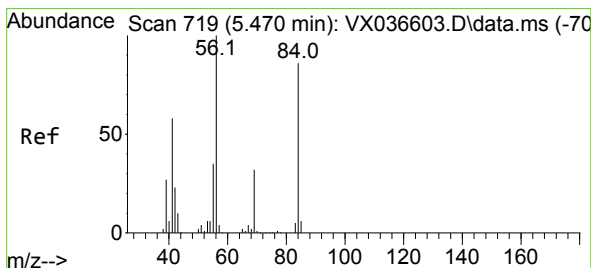
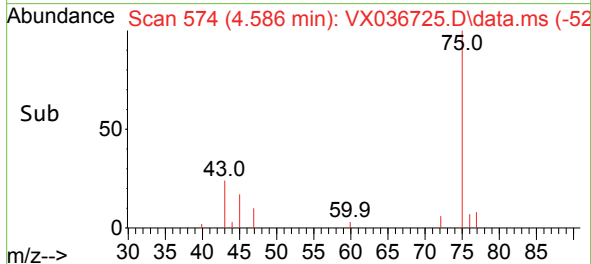
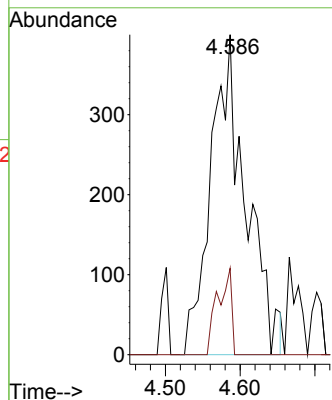
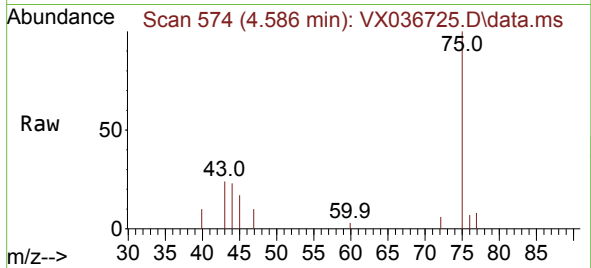




#25
2-Butanone
Concen: 1.024 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

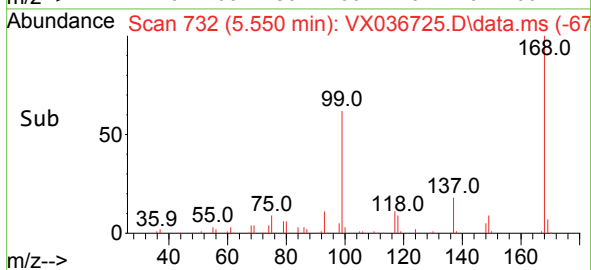
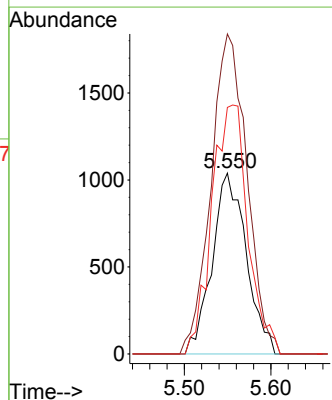
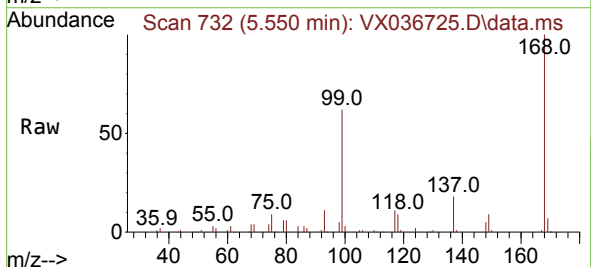
Instrument :
MSVOA_X
ClientSampleId :
1710DL

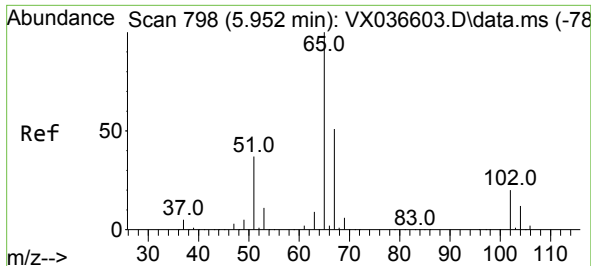
Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
72 27.0 19.4 29.2



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 56 Resp: 2846
Ion Ratio Lower Upper
56 100
69 177.0 23.4 35.2#
84 136.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.138 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

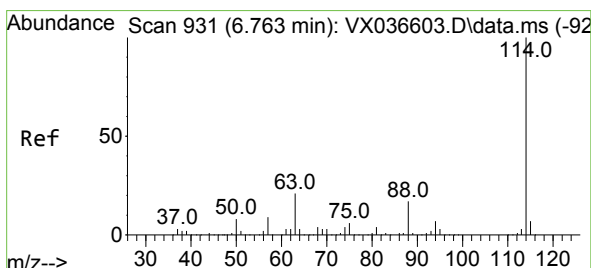
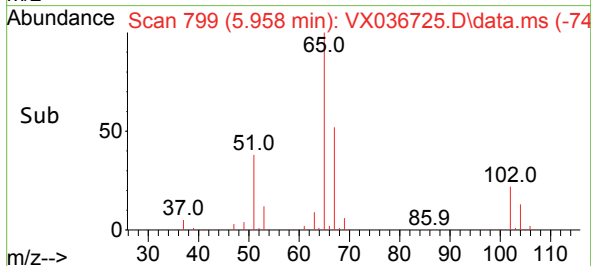
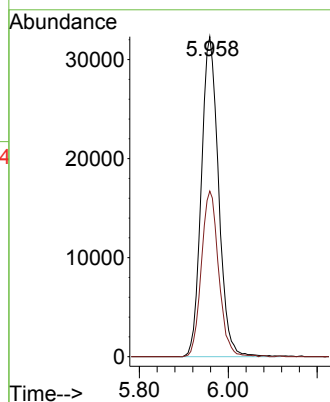
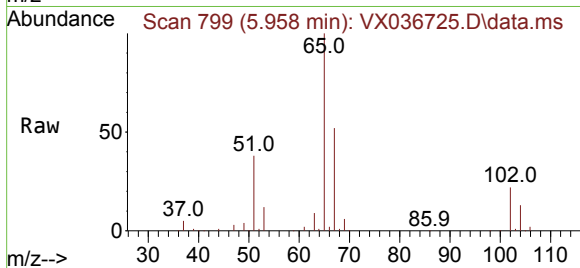
1710DL

Tgt Ion: 65 Resp: 87133

Ion Ratio Lower Upper

65 100

67 51.9 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: VX036725.D

Acq: 31 Jul 2023 17:11

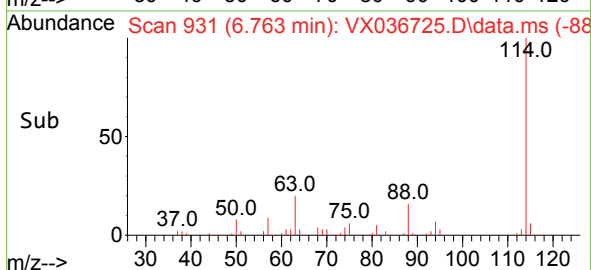
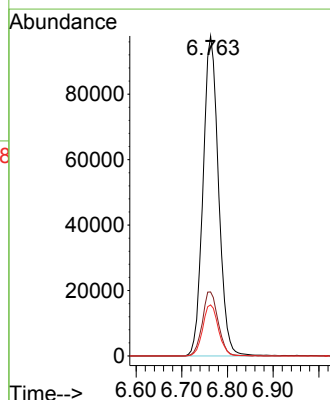
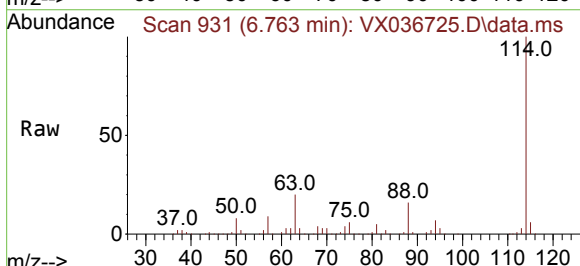
Tgt Ion: 114 Resp: 230702

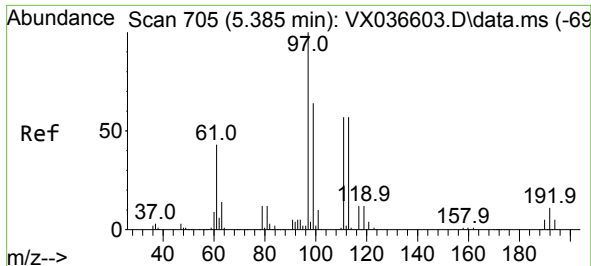
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.0 0.0 36.6

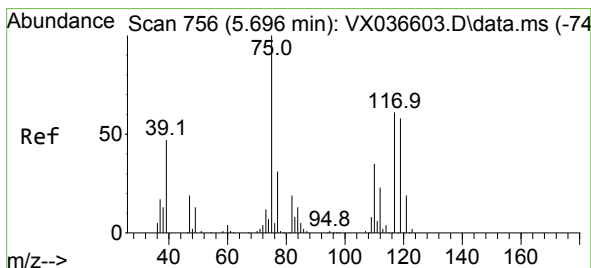
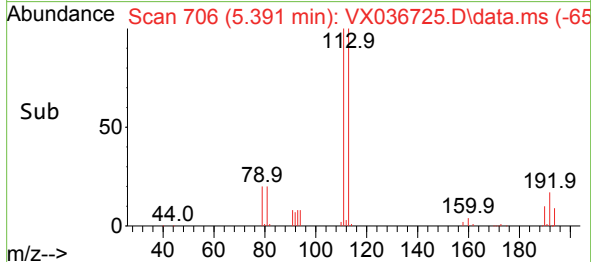
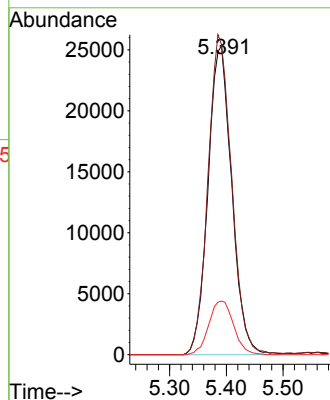
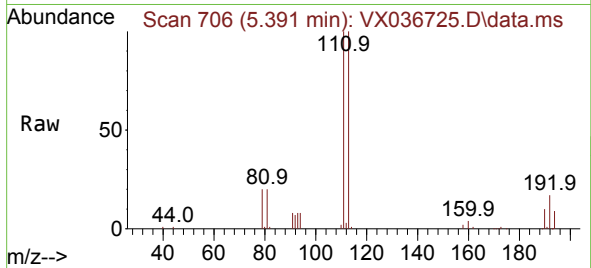




#35
Dibromofluoromethane
Concen: 46.482 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

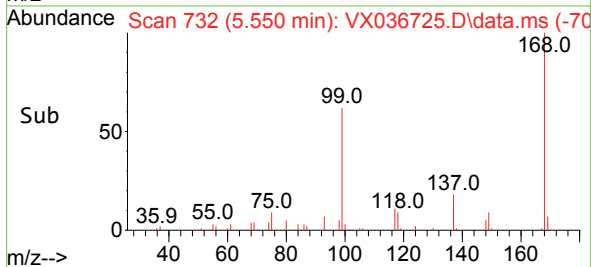
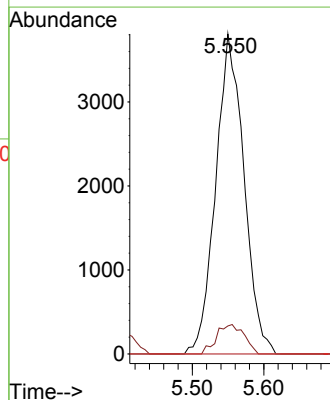
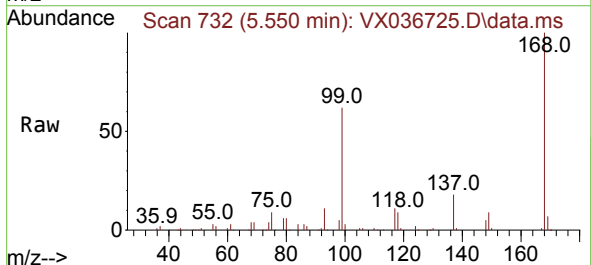
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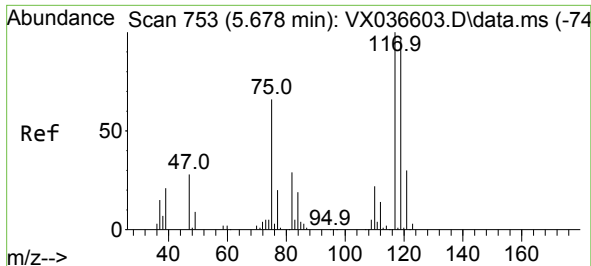
Tgt Ion:113 Resp: 73707
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 75 Resp: 10438
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#

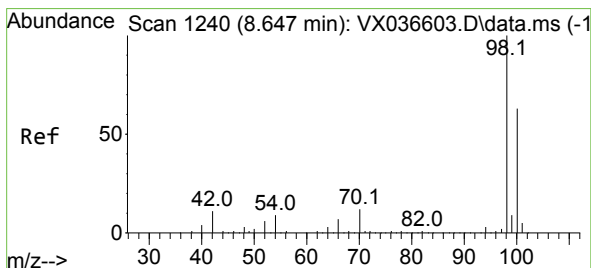
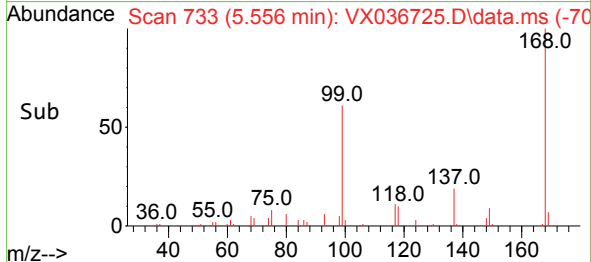
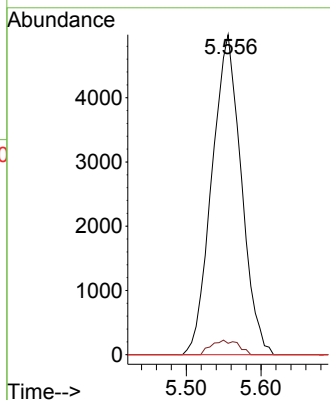
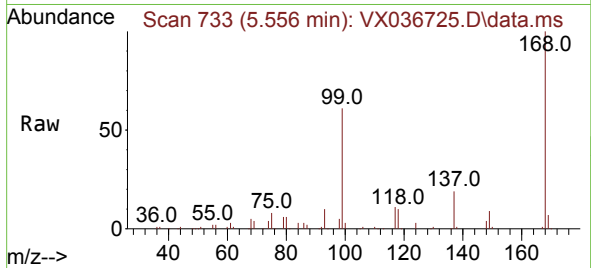




#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

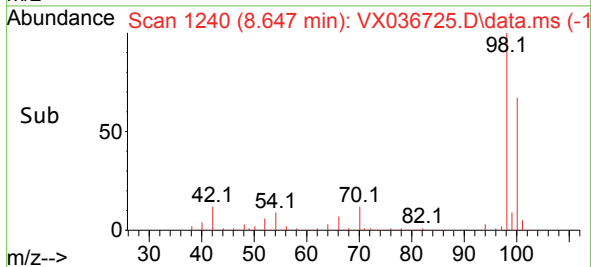
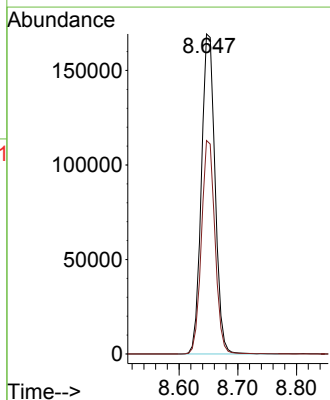
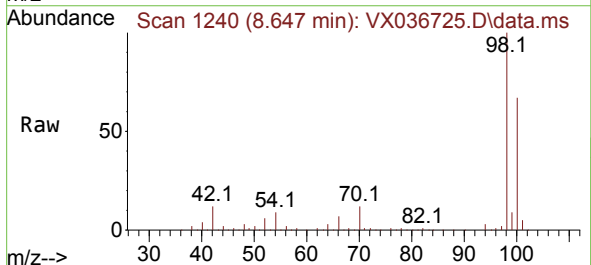
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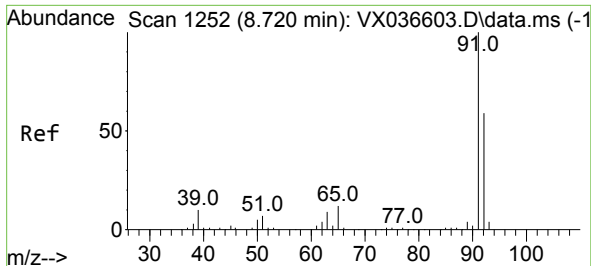
Tgt Ion:117 Resp: 13631
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.694 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 98 Resp: 273823
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

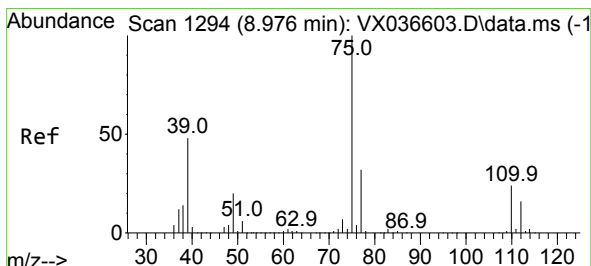
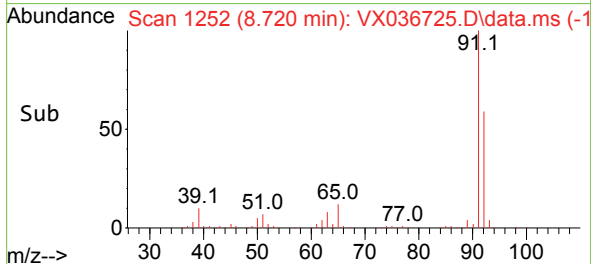
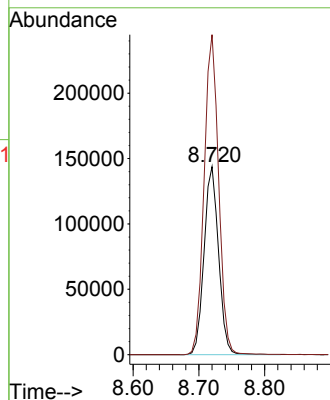
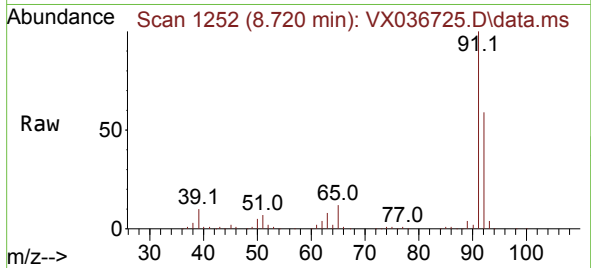




#52
Toluene
Concen: 51.151 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

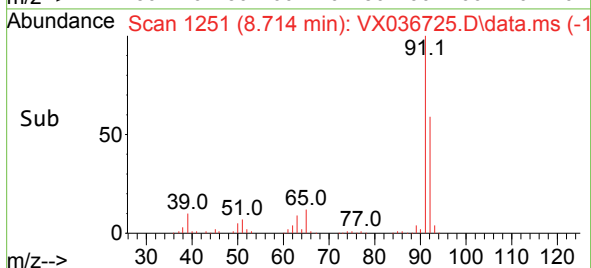
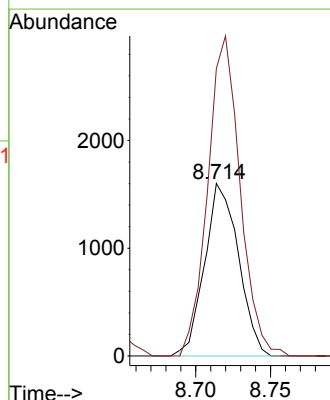
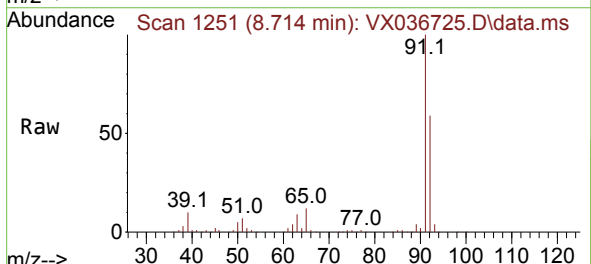
Instrument :
MSVOA_X
ClientSampleId :
1710DL

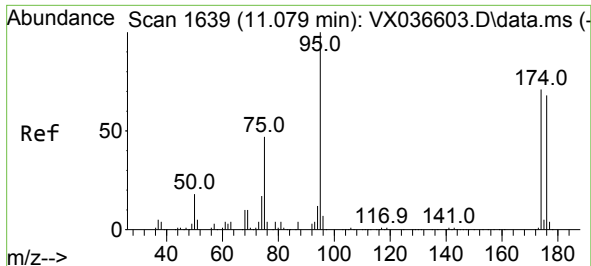
Tgt Ion: 92 Resp: 220396
Ion Ratio Lower Upper
92 100
91 170.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.840 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 75 Resp: 2503
Ion Ratio Lower Upper
75 100
77 166.6 25.7 38.5#

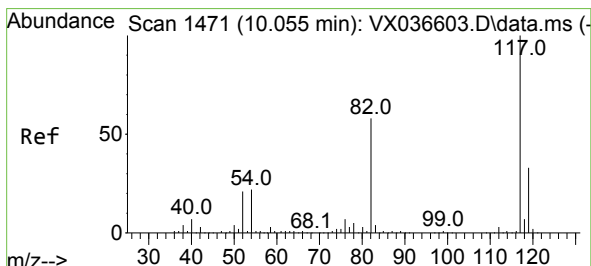
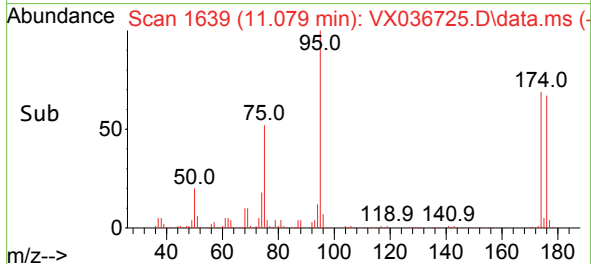
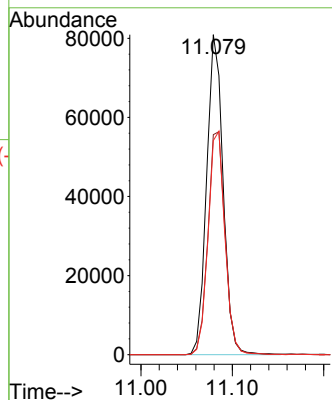
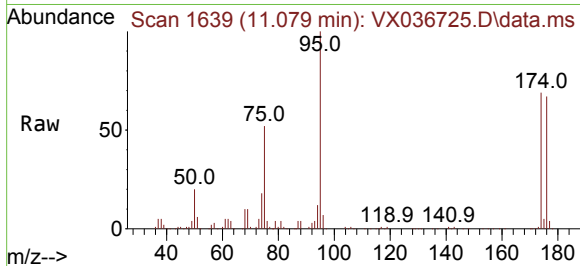




#62
4-Bromofluorobenzene
Concen: 47.619 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

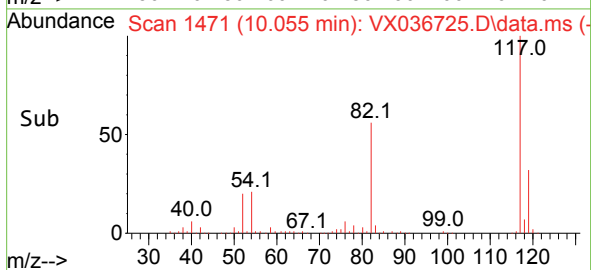
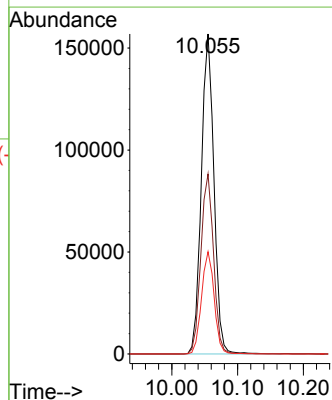
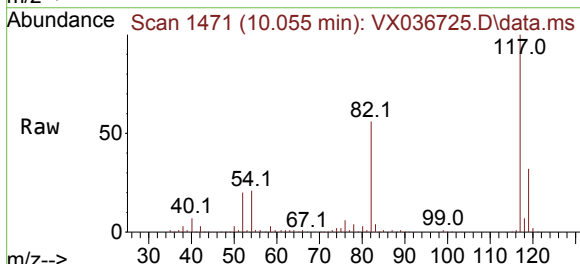
Instrument :
MSVOA_X
ClientSampleId :
1710DL

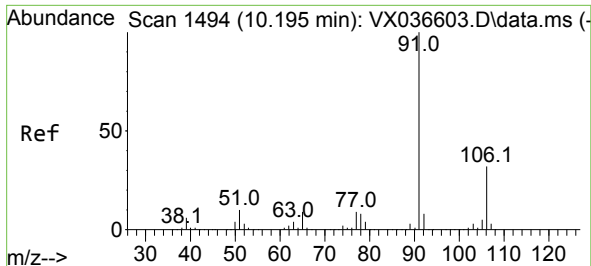
Tgt Ion: 95 Resp: 101028
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 117 Resp: 208976
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.0 25.5 38.3

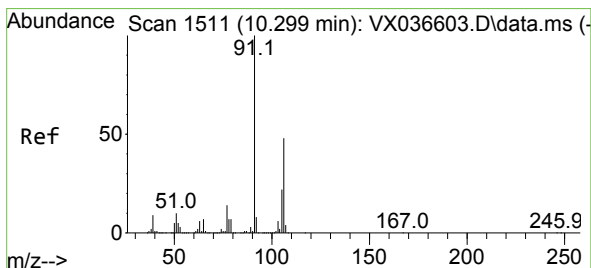
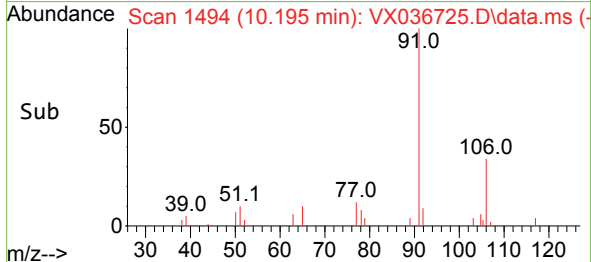
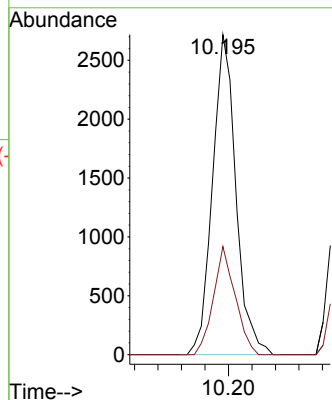
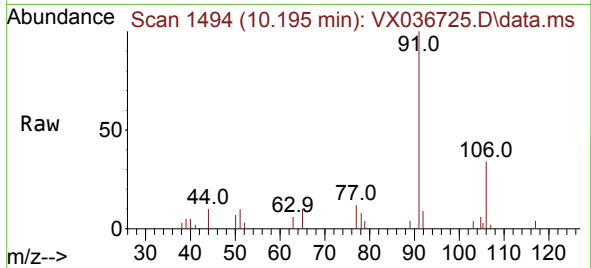




#67
Ethyl Benzene
Concen: 0.446 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

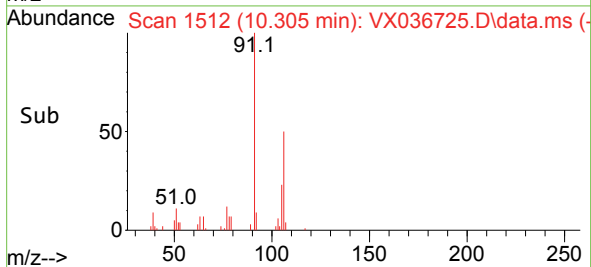
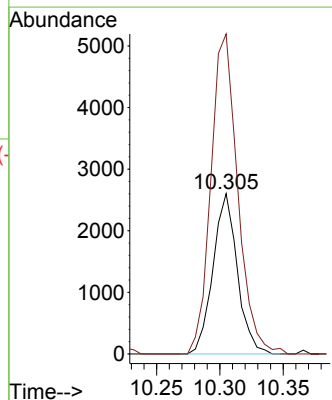
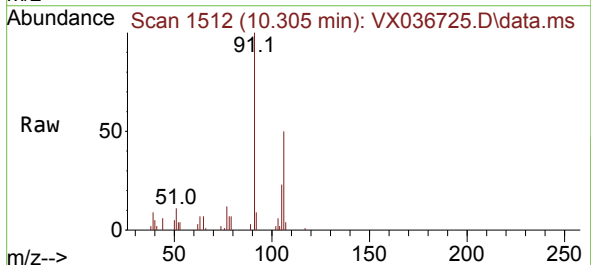
Instrument :
MSVOA_X
ClientSampleId :
1710DL

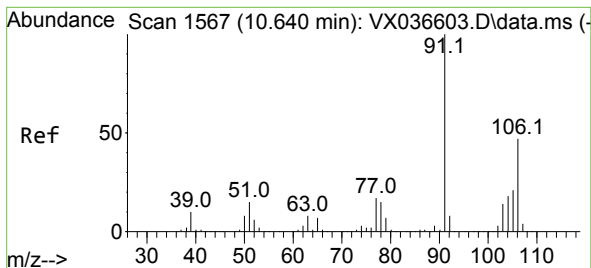
Tgt Ion: 91 Resp: 3753
Ion Ratio Lower Upper
91 100
106 33.8 24.9 37.3



#68
m/p-Xylenes
Concen: 1.108 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036725.D
Acq: 31 Jul 2023 17:11

Tgt Ion: 106 Resp: 3478
Ion Ratio Lower Upper
106 100
91 220.3 165.5 248.3





#69

o-Xylene

Concen: 0.978 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

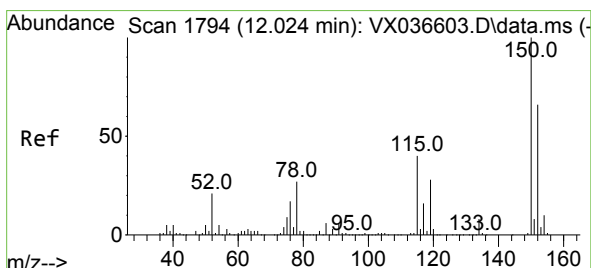
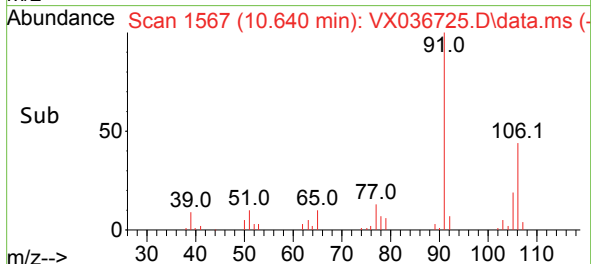
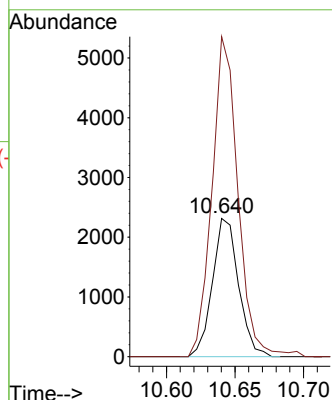
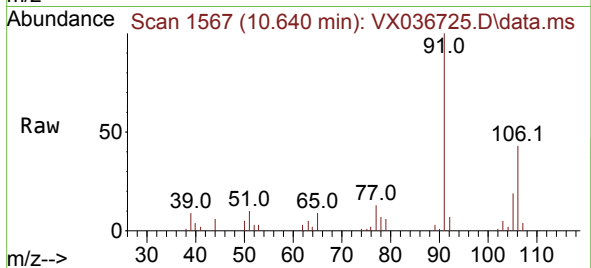
1710DL

Tgt Ion:106 Resp: 3064

Ion Ratio Lower Upper

106 100

91 230.0 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

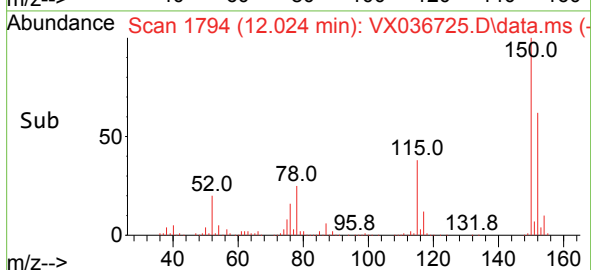
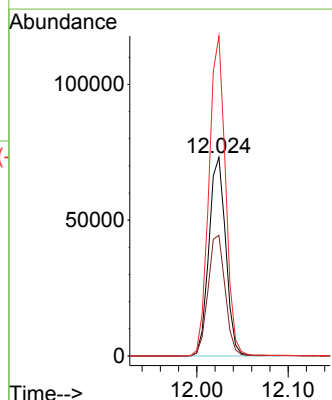
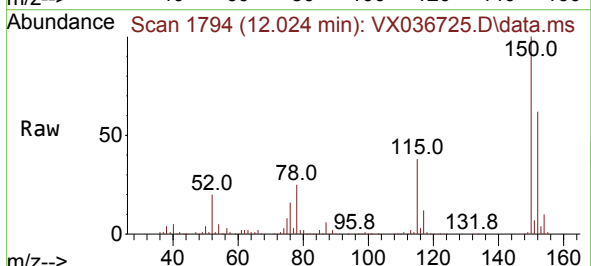
Tgt Ion:152 Resp: 93851

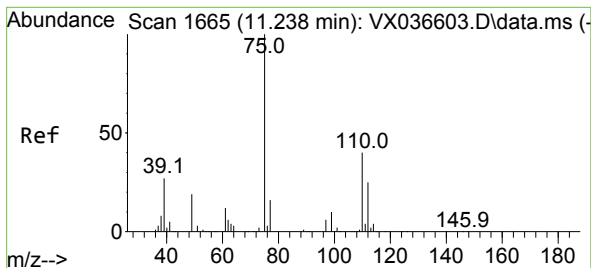
Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 158.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.452 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

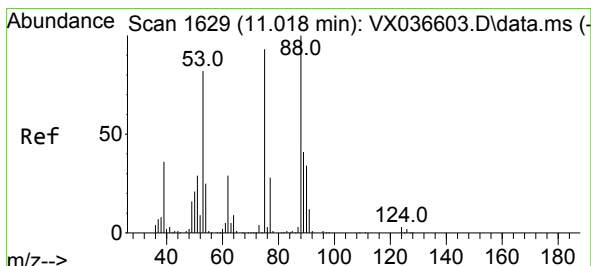
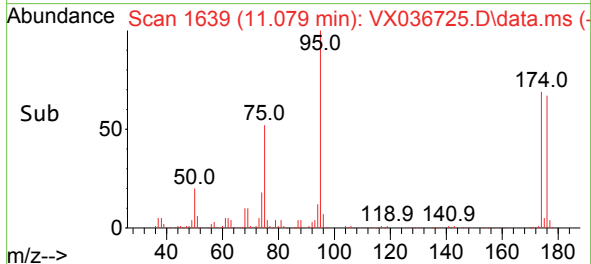
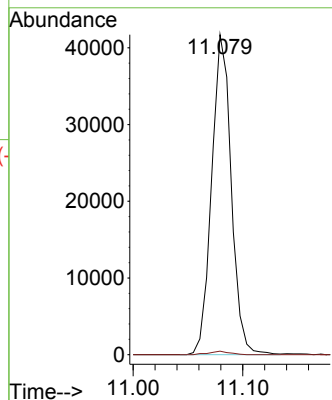
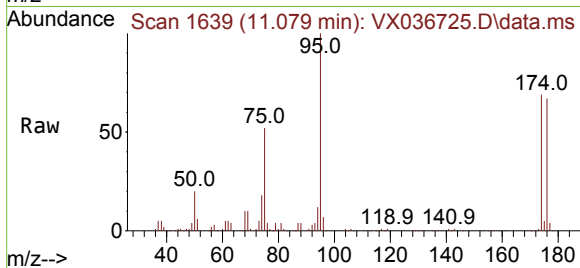
1710DL

Tgt Ion: 75 Resp: 51770

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.156 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036725.D

Acq: 31 Jul 2023 17:11

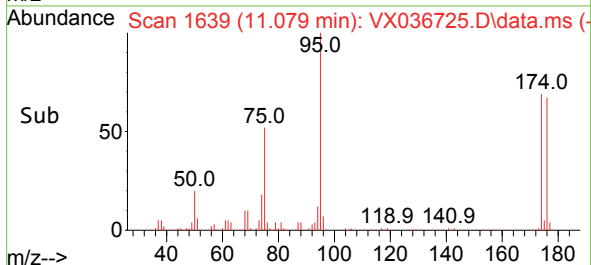
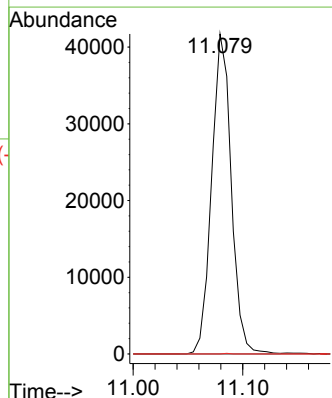
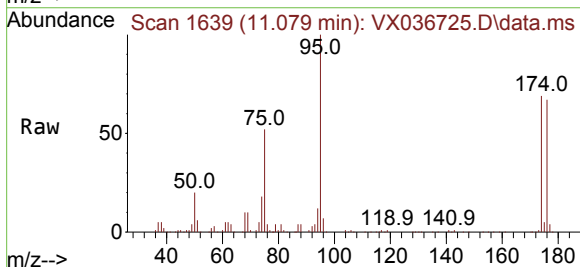
Tgt Ion: 75 Resp: 51770

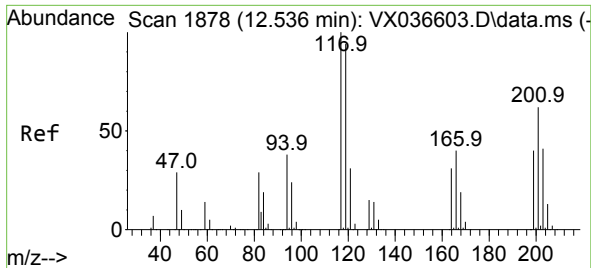
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

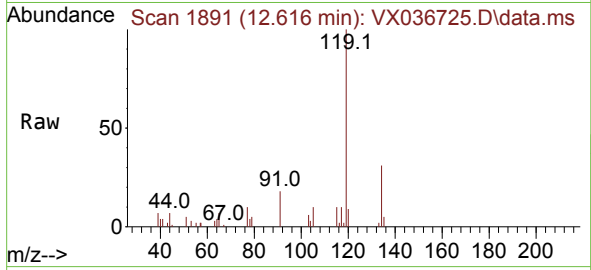
89 0.1 36.9 55.3#





#90
 Hexachloroethane
 Concen: 0.307 ug/l
 RT: 12.616 min Scan# 117
 Delta R.T. 0.079 min
 Lab File: VX036725.D
 Acq: 31 Jul 2023 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 1710DL



Tgt Ion:117 Resp: 408
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.9 98.6#

