

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036840.D
 Acq On : 07 Aug 2023 16:28
 Operator : JC/MD
 Sample : 03896-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50119

Quant Time: Aug 08 01:38:08 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)

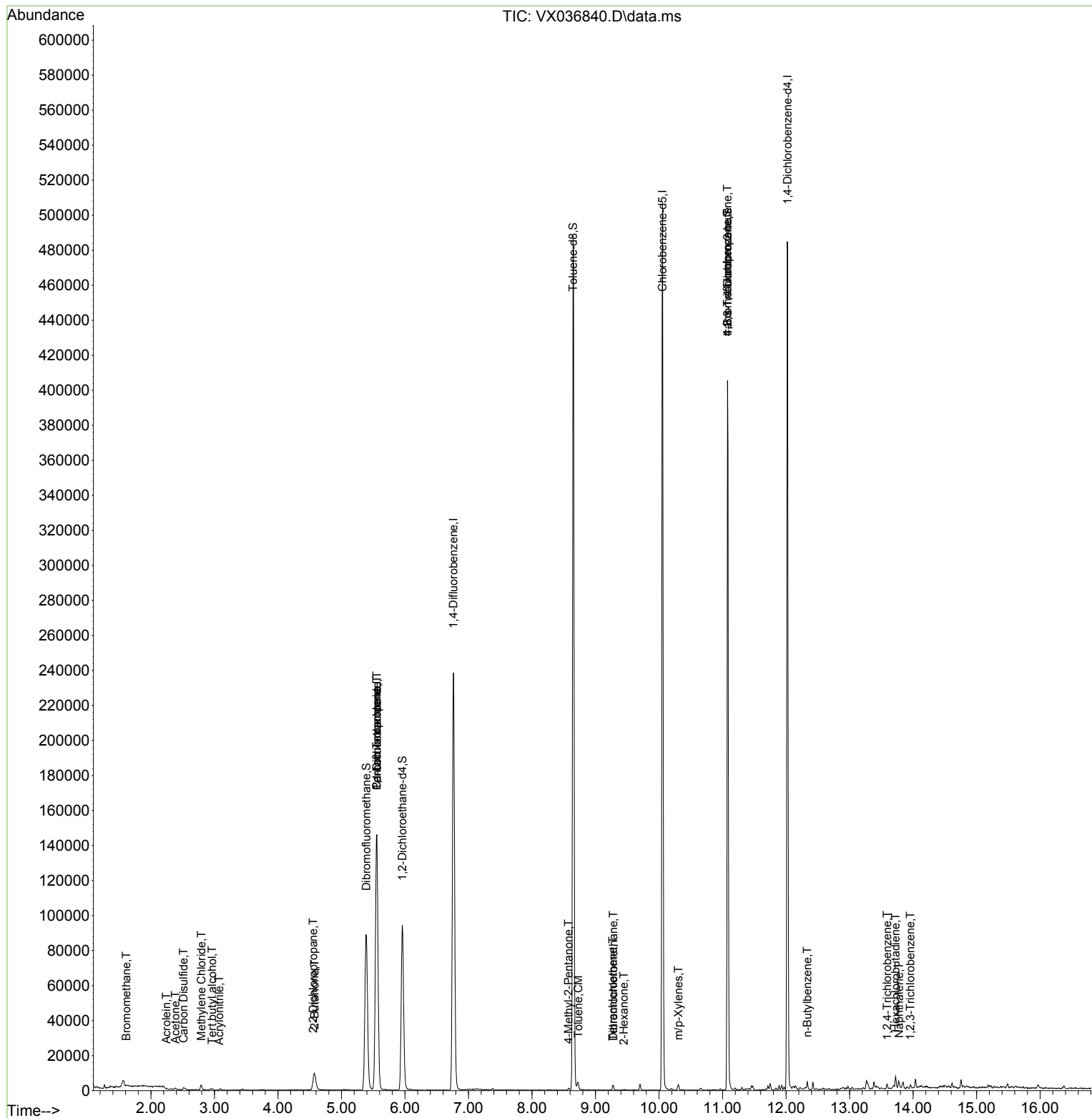
Internal Standards						
1) Pentafluorobenzene	5.556	168	135829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92673	46.111	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.220%		
35) Dibromofluoromethane	5.391	113	79068	46.659	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.320%		
50) Toluene-d8	8.647	98	294147	48.948	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.079	95	111157	49.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.060%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	223	0.225	ug/l #	71
11) Tert butyl alcohol	2.965	59	815	1.713	ug/l #	86
13) Acrolein	2.239	56	334	1.230	ug/l	99
15) Acrylonitrile	3.075	53	200	0.209	ug/l #	61
16) Acetone	2.386	43	1180	1.415	ug/l	99
17) Carbon Disulfide	2.514	76	1548	0.369	ug/l #	91
20) Methylene Chloride	2.794	84	1456	0.785	ug/l #	93
25) 2-Butanone	4.574	43	1058	0.782	ug/l #	51
26) 2,2-Dichloropropane	4.556	77	721	0.240	ug/l #	54
36) 1,1-Dichloropropene	5.556	75	11212	4.439	ug/l #	52
38) Carbon Tetrachloride	5.556	117	15216	5.667	ug/l #	14
51) 4-Methyl-2-Pentanone	8.574	43	732	0.269	ug/l	95
52) Toluene	8.726	92	1774	0.385	ug/l	95
59) 2-Hexanone	9.445	43	416	0.206	ug/l #	55
60) Dibromochloromethane	9.281	129	559	0.263	ug/l #	11
64) Tetrachloroethene	9.275	164	511	0.301	ug/l	94
68) m/p-Xylenes	10.305	106	829	0.243	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	57125	23.977	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57125	54.346	ug/l #	5
89) n-Butylbenzene	12.335	91	1641	0.259	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	604	0.287	ug/l	97
94) Hexachlorobutadiene	13.725	225	651	0.749	ug/l	93
95) Naphthalene	13.780	128	2392	0.327	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	579	0.279	ug/l	93

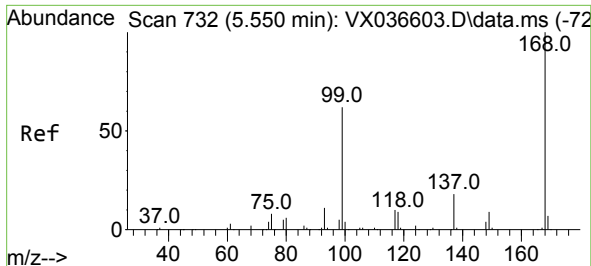
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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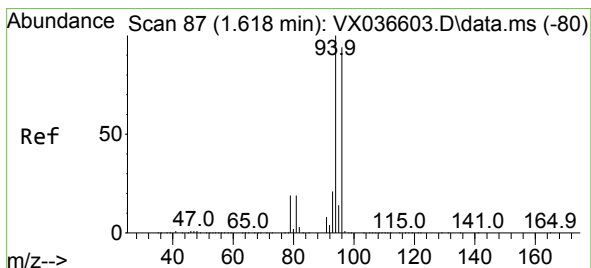
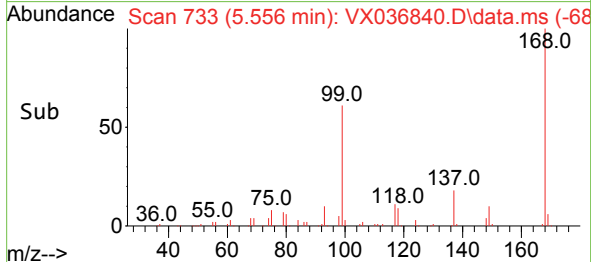
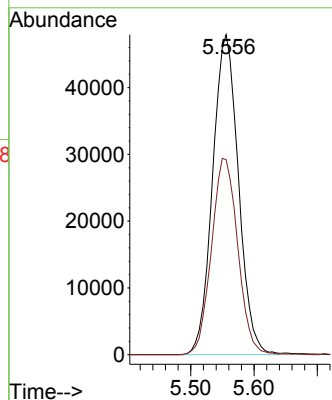
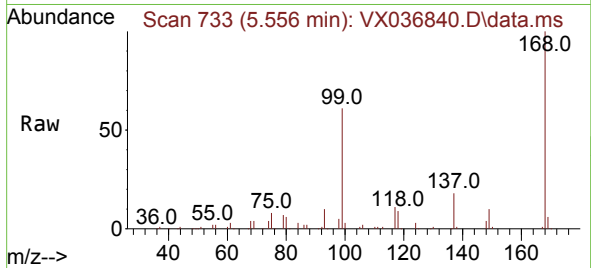




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

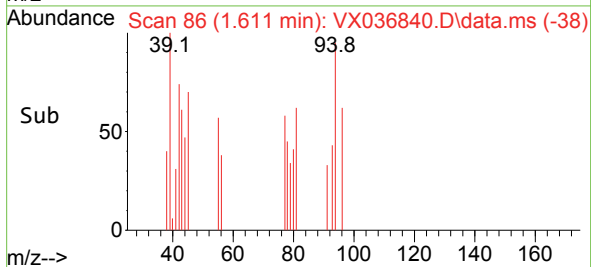
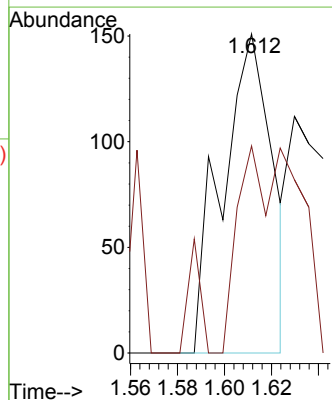
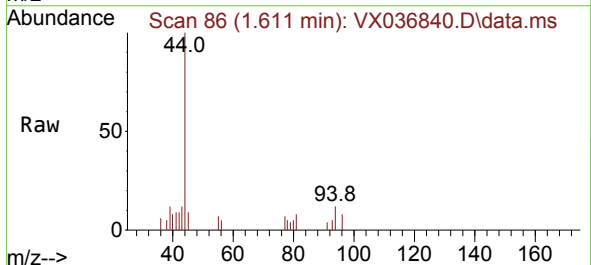
Instrument :
MSVOA_X
ClientSampleId :
50119

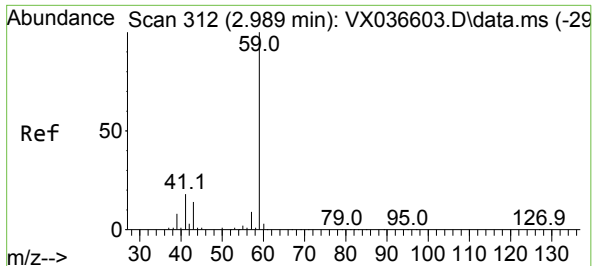
Tgt Ion:168 Resp: 135829
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 64.9 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.713 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

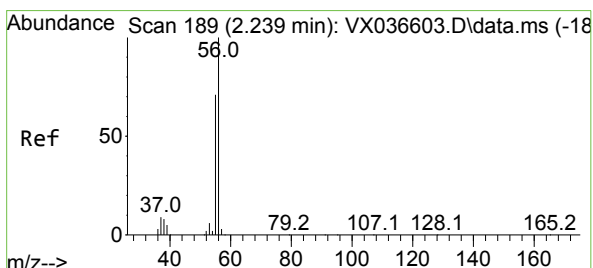
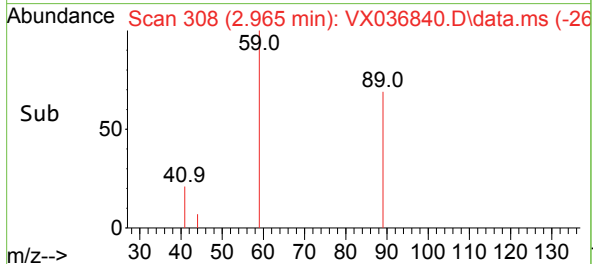
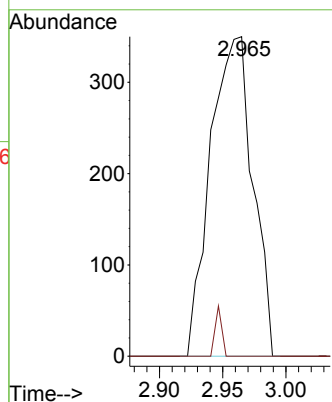
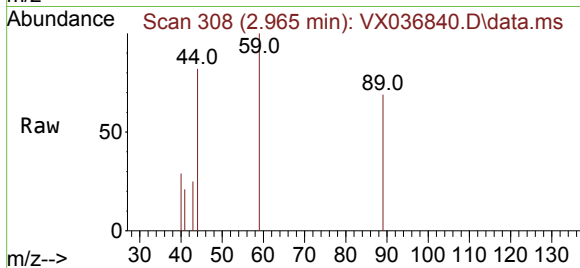
50119

Tgt Ion: 59 Resp: 815

Ion Ratio Lower Upper

59 100

57 2.5 6.0 9.0#



#13

Acrolein

Concen: 1.230 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036840.D

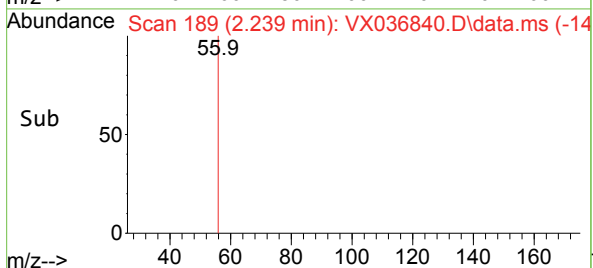
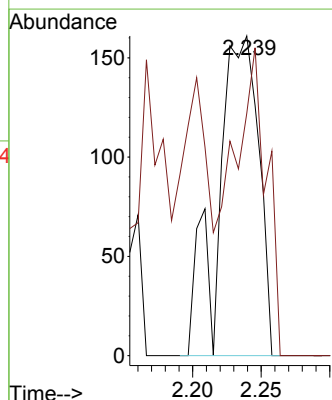
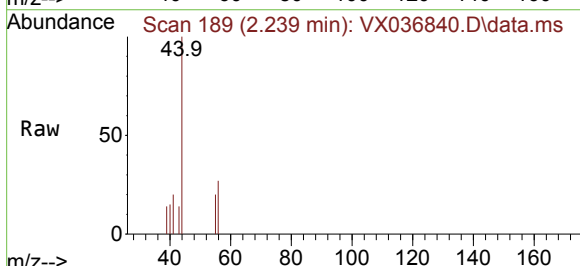
Acq: 07 Aug 2023 16:28

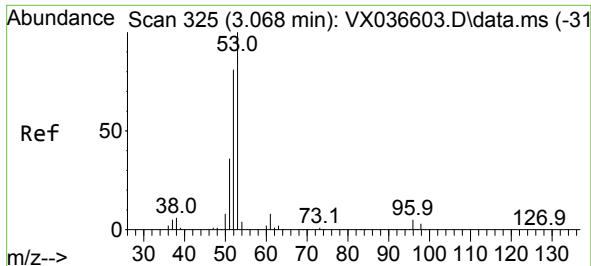
Tgt Ion: 56 Resp: 334

Ion Ratio Lower Upper

56 100

55 72.5 57.1 85.7

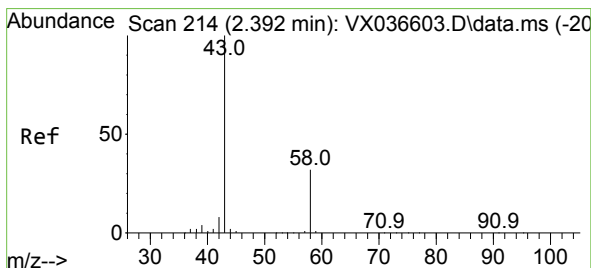
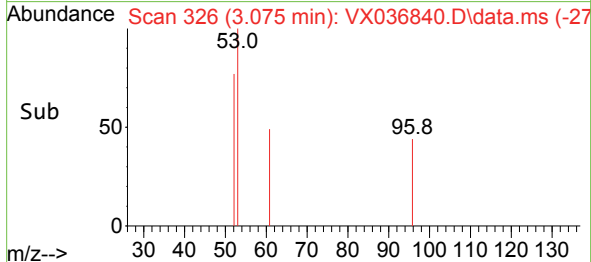
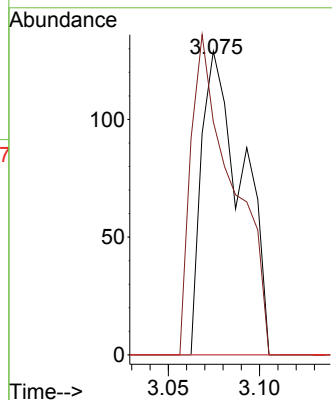
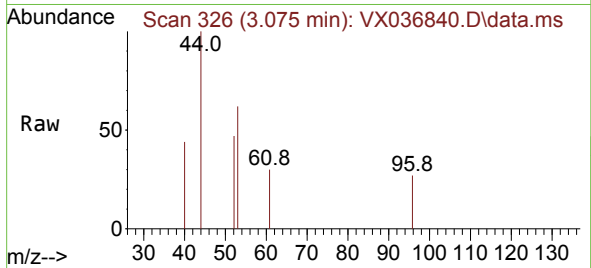




#15
Acrylonitrile
Concen: 0.209 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

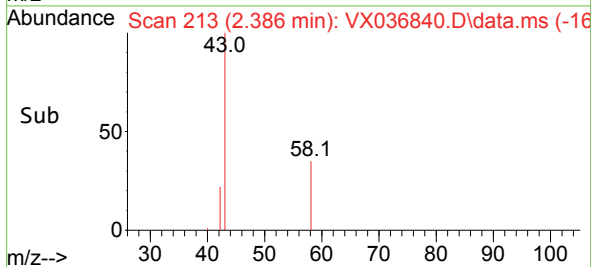
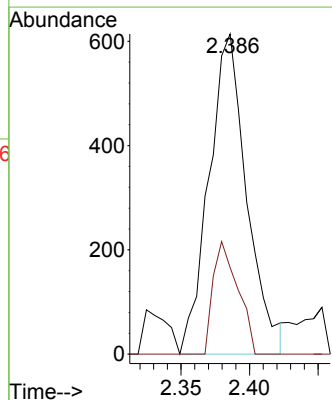
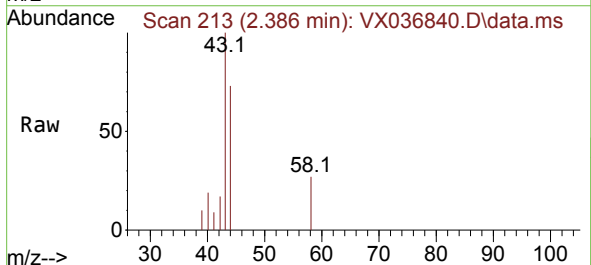
Instrument :
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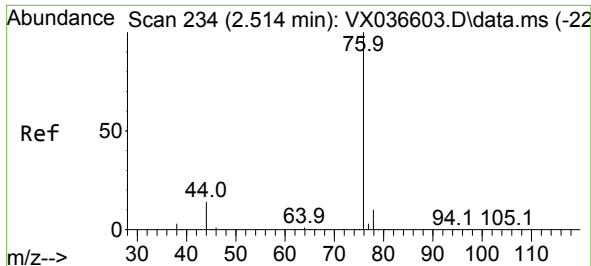
Tgt Ion: 53 Resp: 200
Ion Ratio Lower Upper
53 100
52 108.5 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 1.415 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9

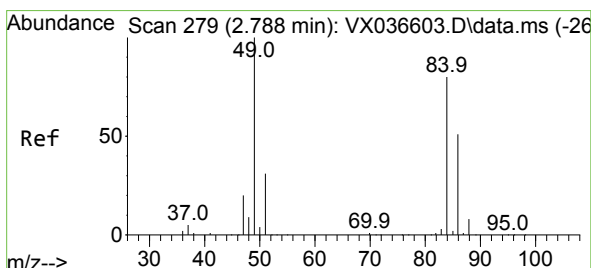
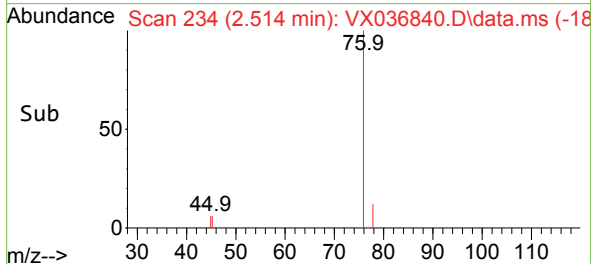
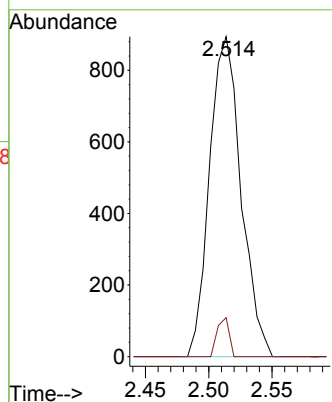
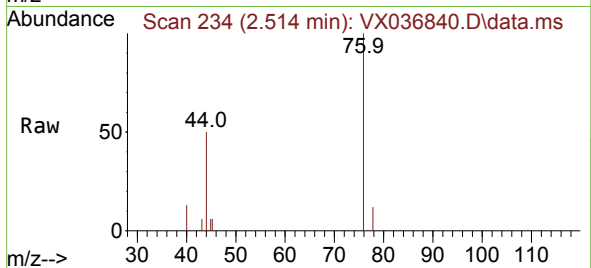




#17
Carbon Disulfide
Concen: 0.369 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

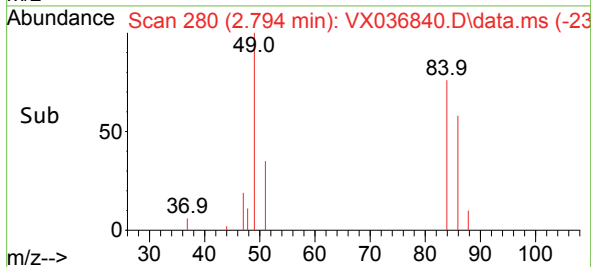
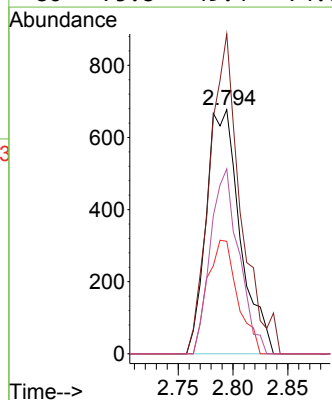
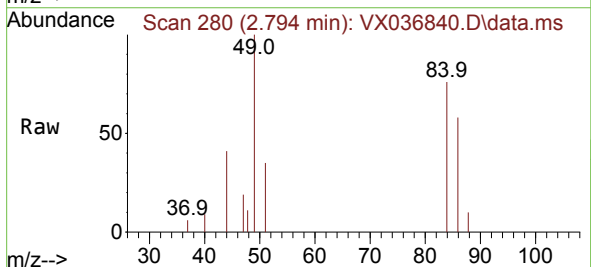
Instrument :
MSVOA_X
ClientSampleId :
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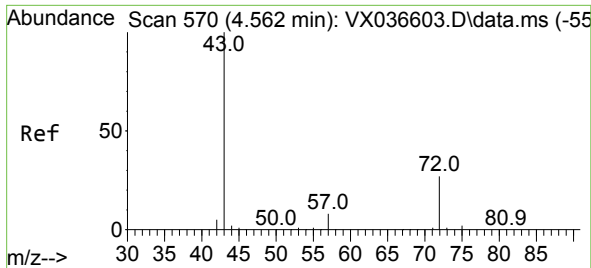
Tgt Ion: 76 Resp: 1548
Ion Ratio Lower Upper
76 100
78 12.2 7.0 10.6#



#20
Methylene Chloride
Concen: 0.785 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 84 Resp: 1456
Ion Ratio Lower Upper
84 100
49 131.0 103.6 155.4
51 46.1 33.8 50.6
86 75.8 49.4 74.0#

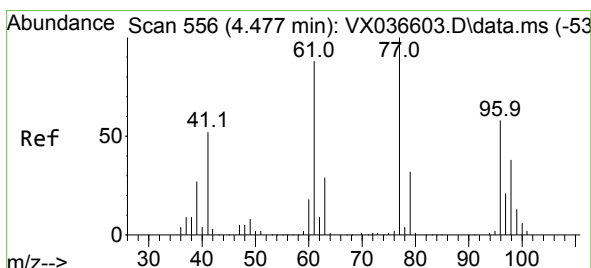
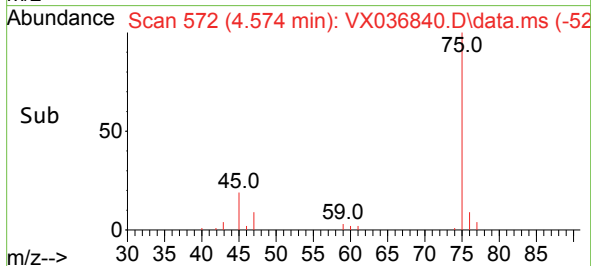
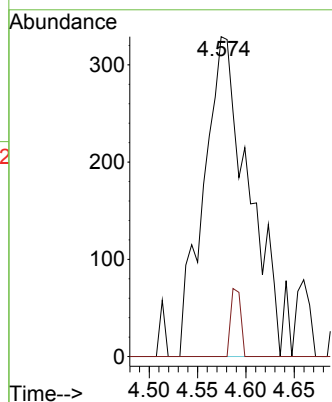
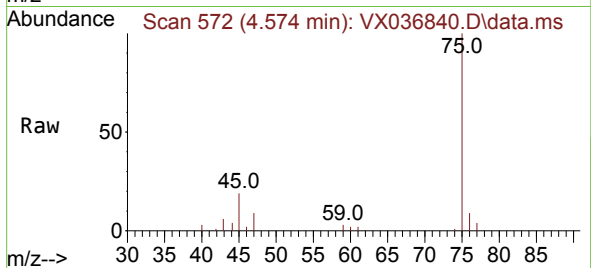




#25
2-Butanone
Concen: 0.782 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

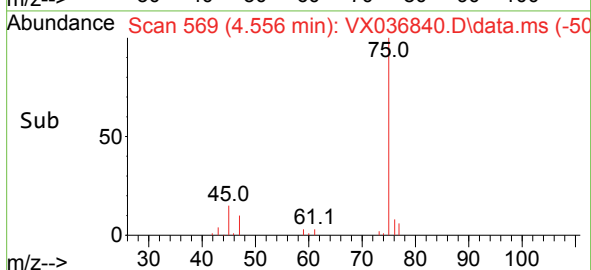
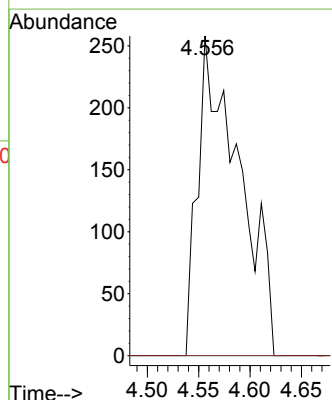
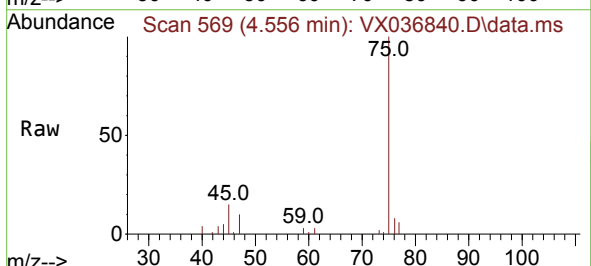
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MSVOA_X
ClientSampleId :
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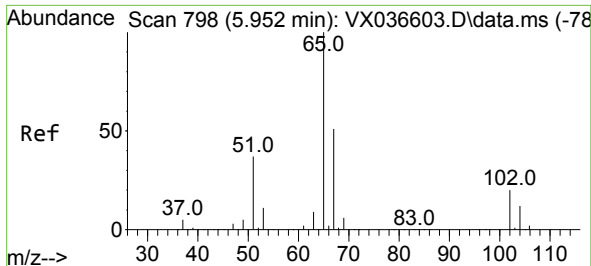
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.240 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.079 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 77 Resp: 721
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#33

1,2-Dichloroethane-d4

Concen: 46.111 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

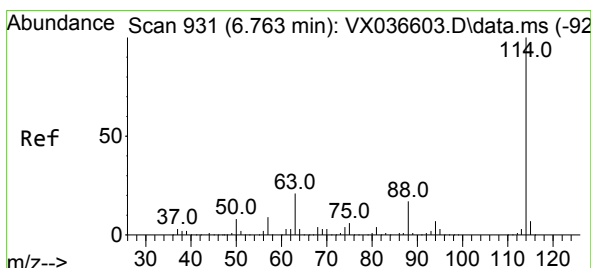
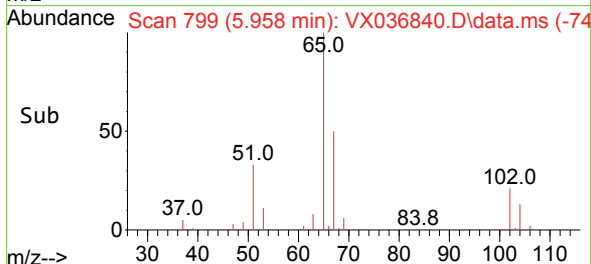
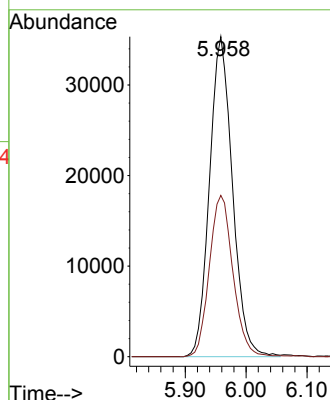
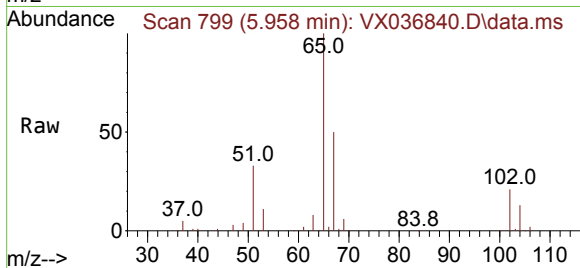
50119

Tgt Ion: 65 Resp: 92673

Ion Ratio Lower Upper

65 100

67 51.8 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: VX036840.D

Acq: 07 Aug 2023 16:28

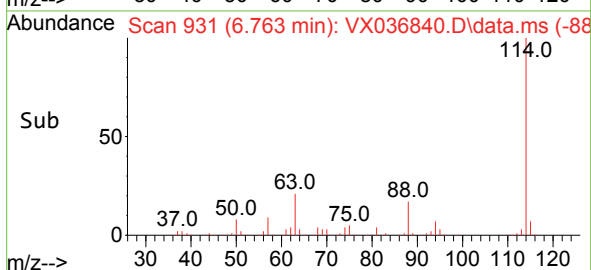
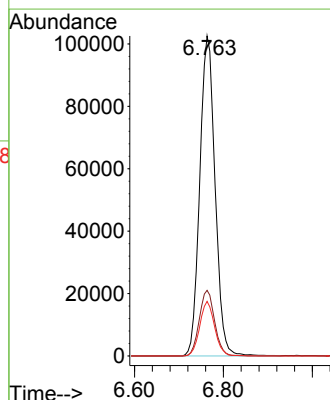
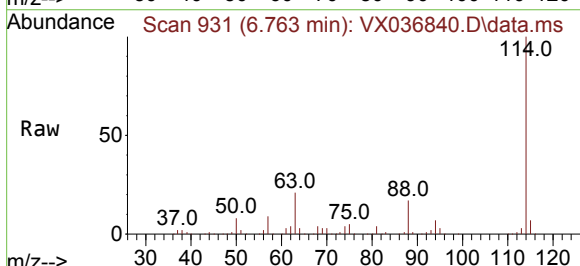
Tgt Ion: 114 Resp: 246540

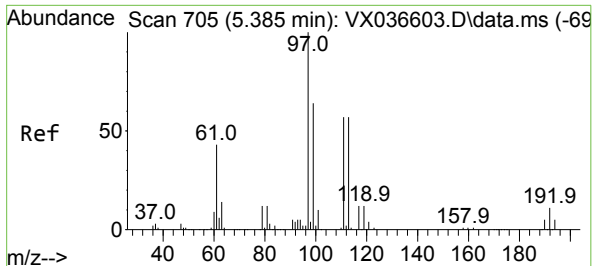
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

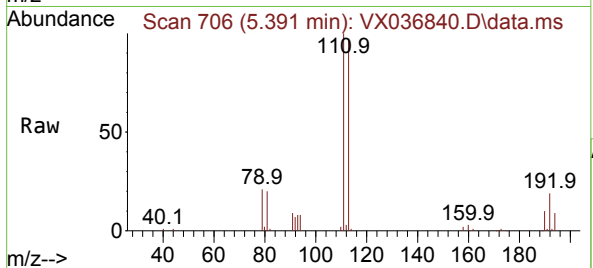
88 17.1 0.0 36.6



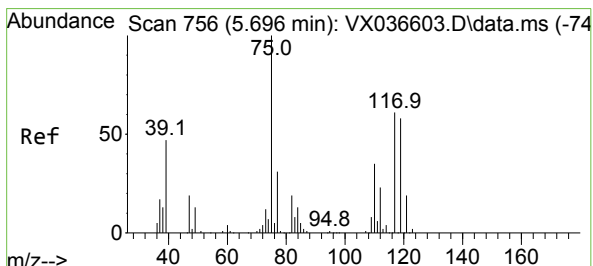
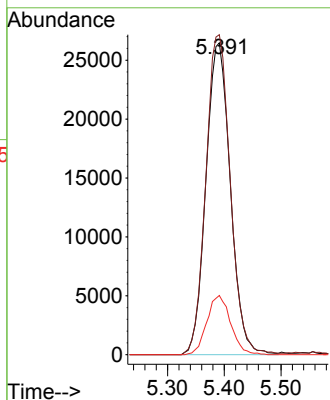
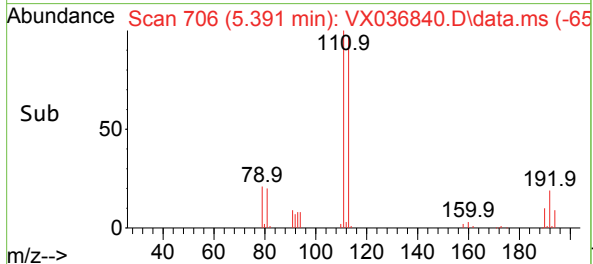


#35
Dibromofluoromethane
Concen: 46.659 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Instrument :
MSVOA_X
ClientSampleId :
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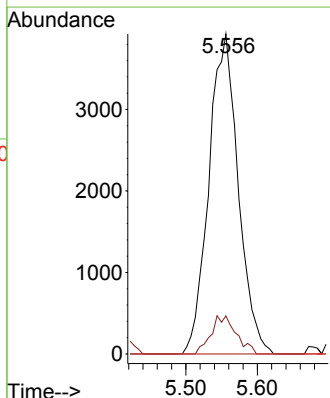
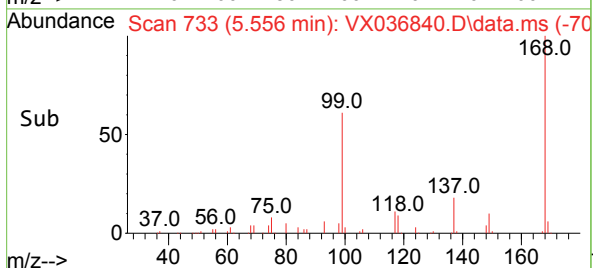
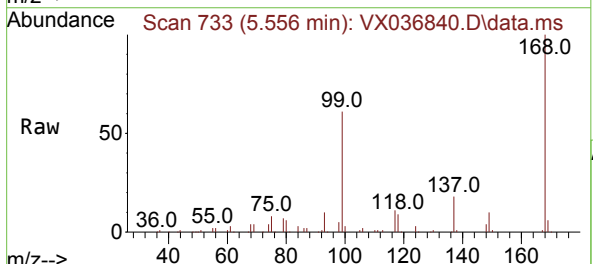


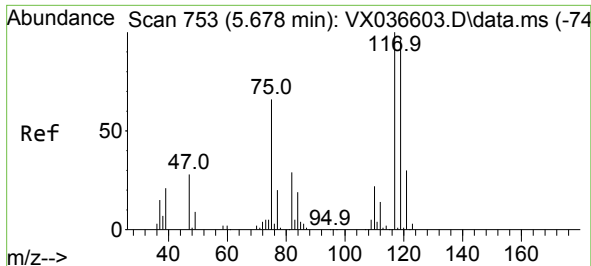
Tgt Ion:113 Resp: 79068
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

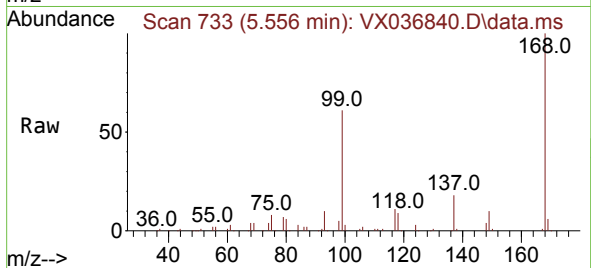
Tgt Ion: 75 Resp: 11212
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



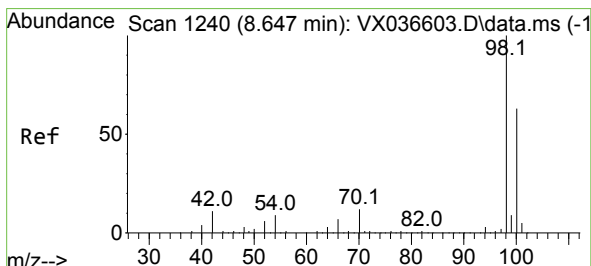
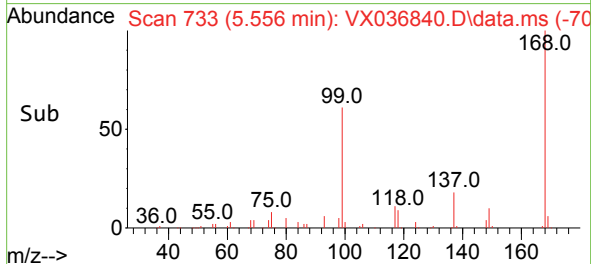
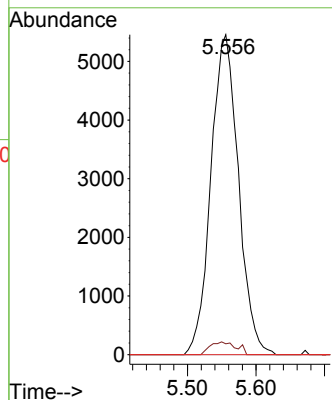


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Instrument :
MSVOA_X
ClientSampleId :
50119

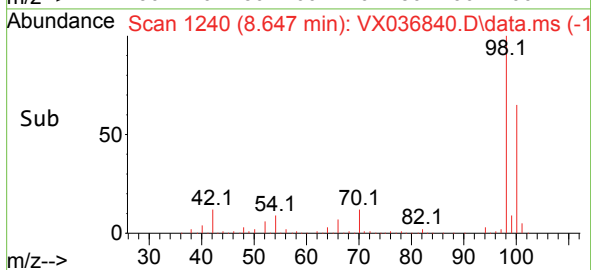
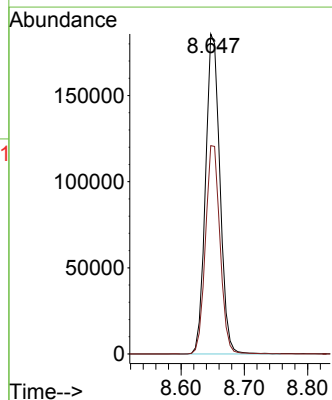
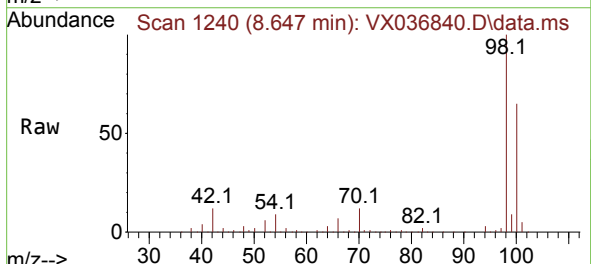


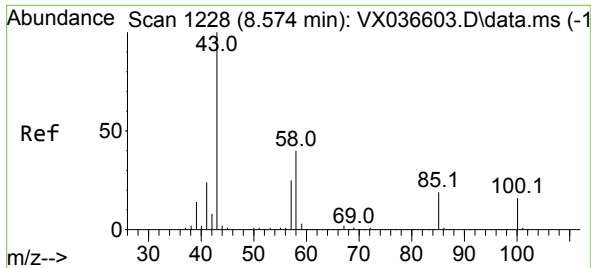
Tgt Ion:117 Resp: 15216
Ion Ratio Lower Upper
117 100
119 3.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.948 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 98 Resp: 294147
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

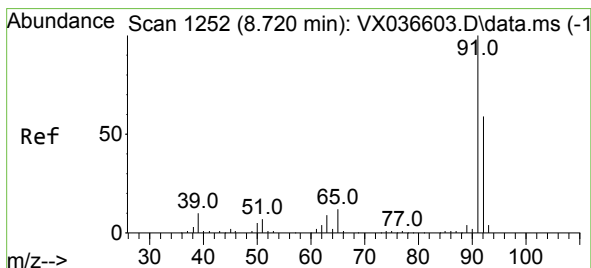
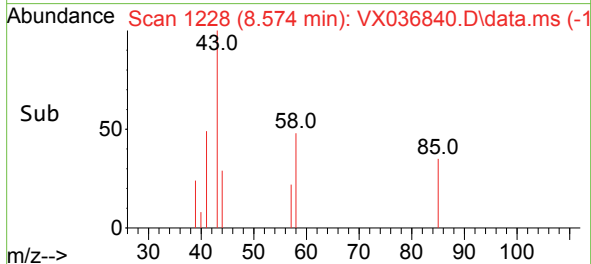
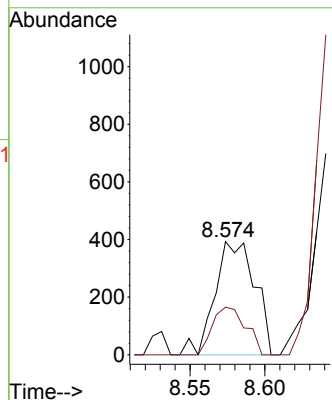
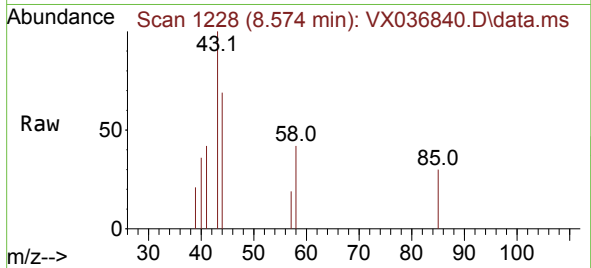




#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

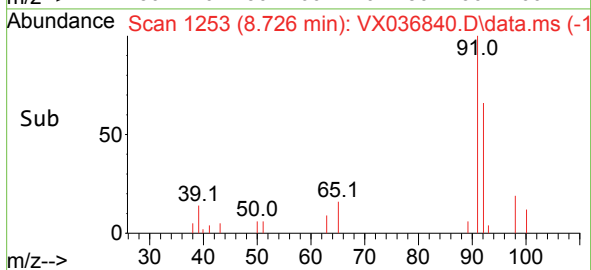
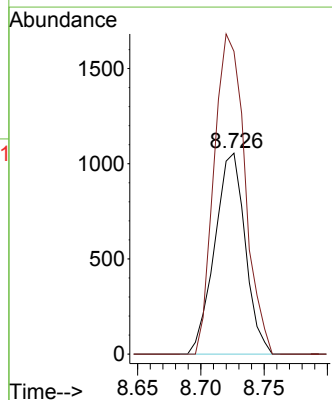
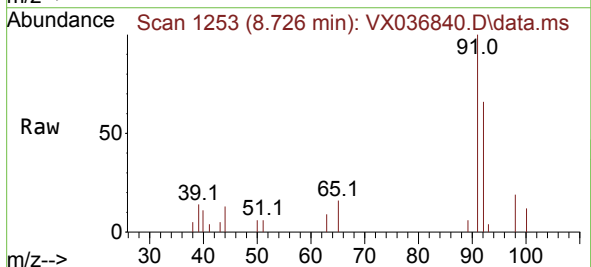
Instrument :
MSVOA_X
ClientSampleId :
50119

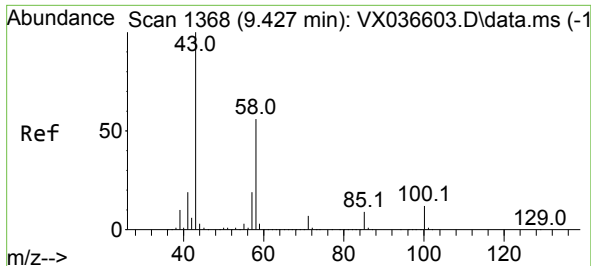
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6



#52
Toluene
Concen: 0.385 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 92 Resp: 1774
Ion Ratio Lower Upper
92 100
91 160.8 134.2 201.2





#59

2-Hexanone

Concen: 0.206 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

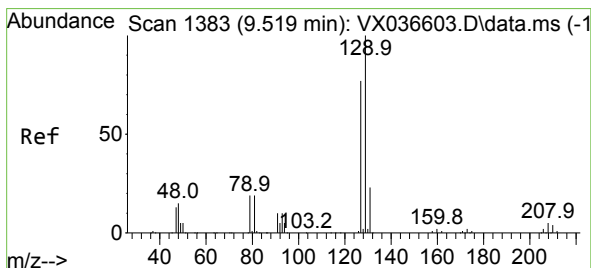
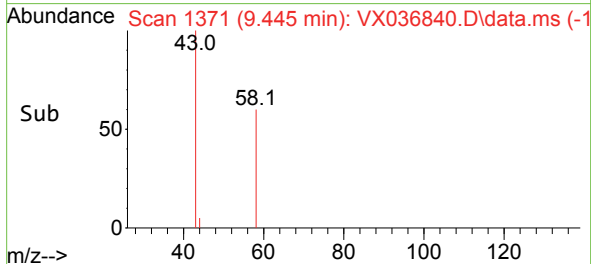
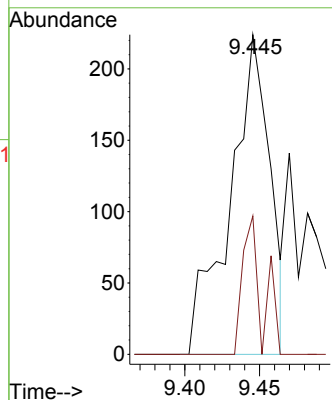
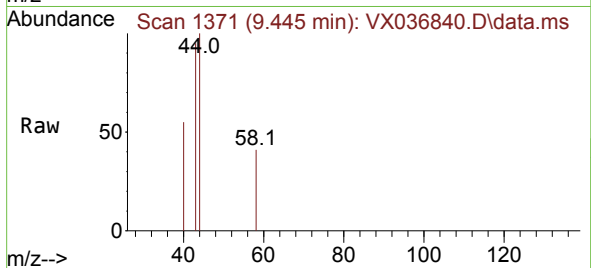
50119

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

58 20.9 26.2 78.5#



#60

Dibromochloromethane

Concen: 0.263 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.238 min

Lab File: VX036840.D

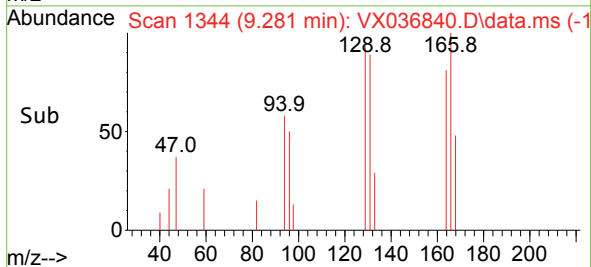
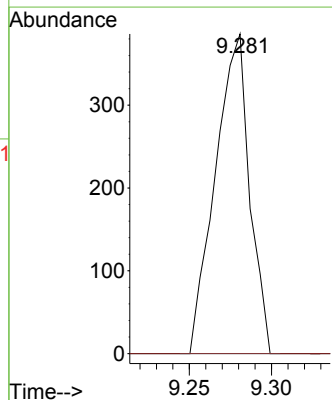
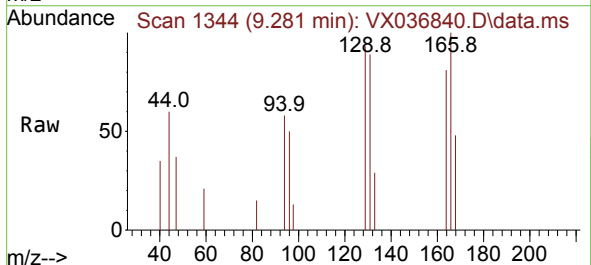
Acq: 07 Aug 2023 16:28

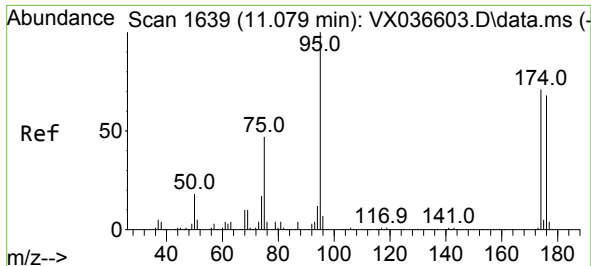
Tgt Ion: 129 Resp: 559

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

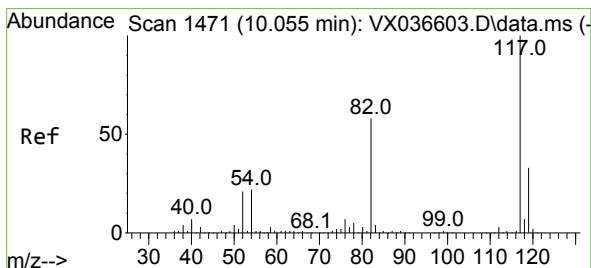
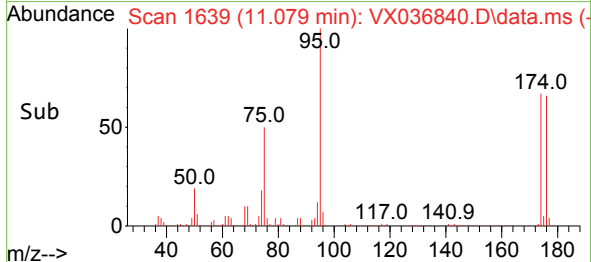
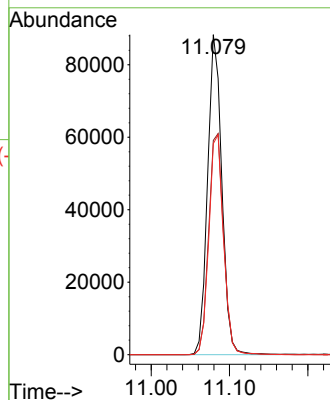
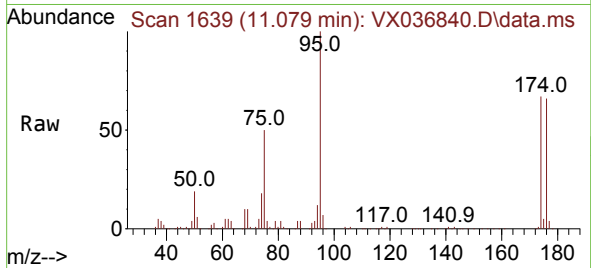




#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 11.079 min Scan# 111157
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

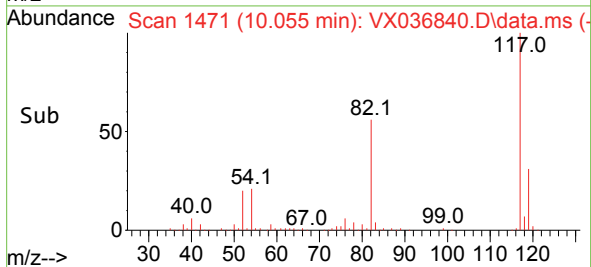
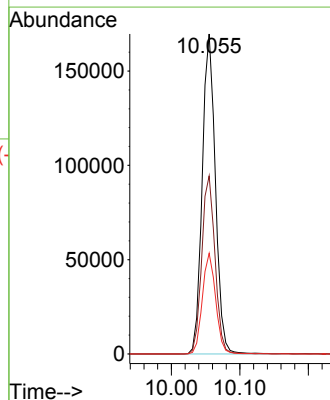
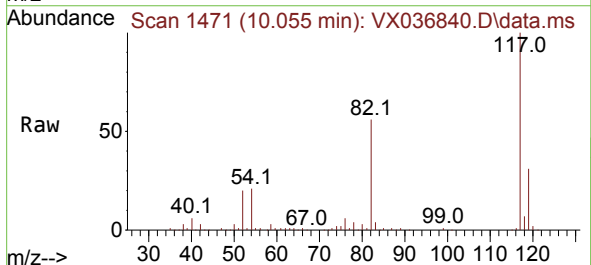
Instrument :
MSVOA_X
ClientSampleId :
50119

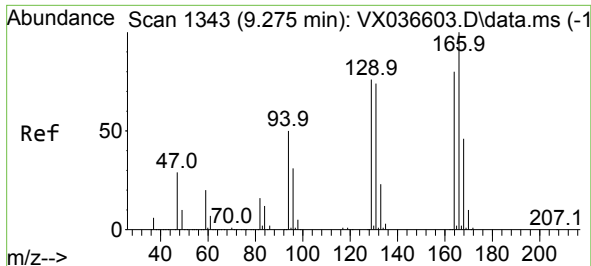
Tgt Ion: 95 Resp: 111157
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 117 Resp: 227343
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 31.4 25.5 38.3

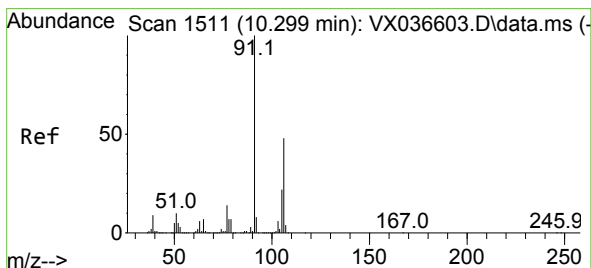
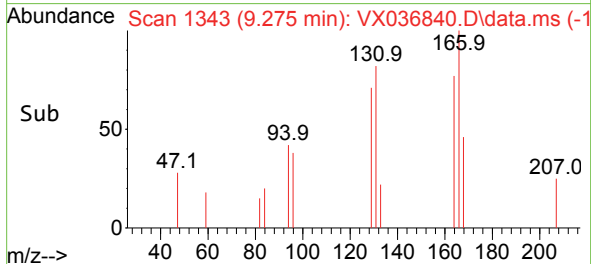
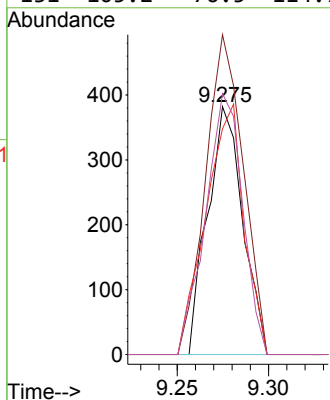
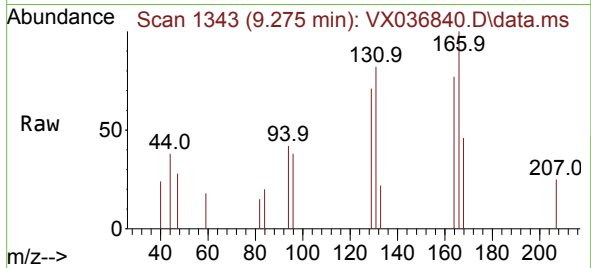




#64
Tetrachloroethene
Concen: 0.301 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

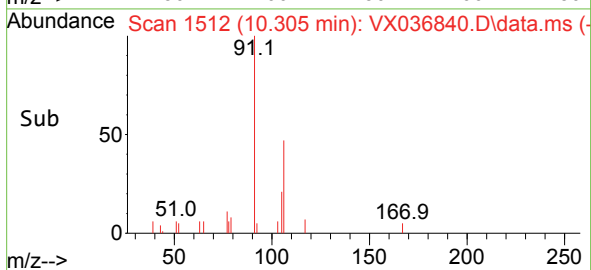
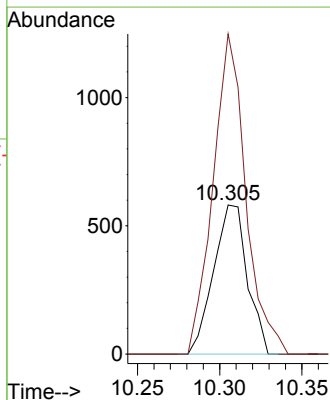
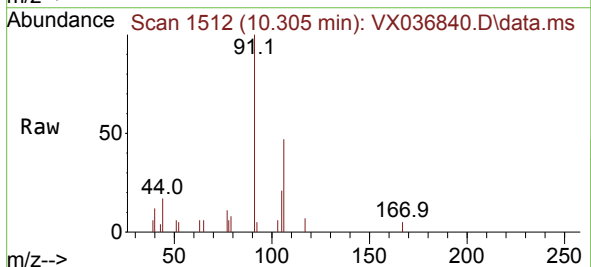
Instrument :
MSVOA_X
ClientSampleId :
50119

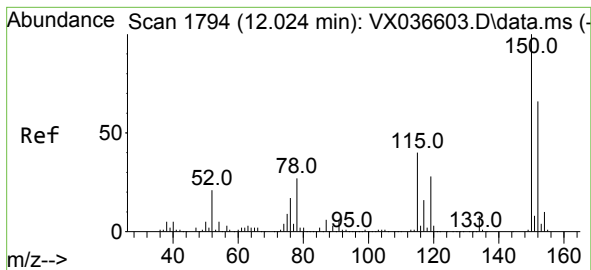
Tgt Ion:164 Resp: 511
Ion Ratio Lower Upper
164 100
166 129.1 102.7 154.1
129 91.1 80.4 120.6
131 105.2 76.5 114.7



#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion:106 Resp: 829
Ion Ratio Lower Upper
106 100
91 208.3 165.5 248.3

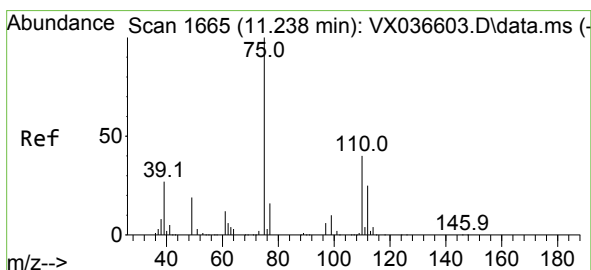
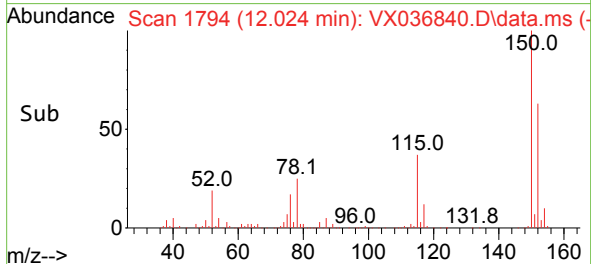
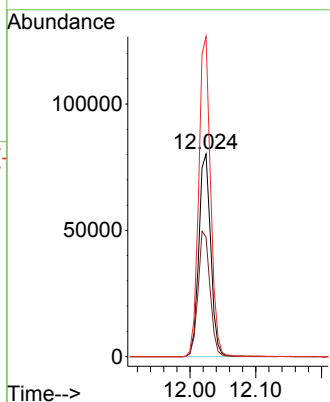
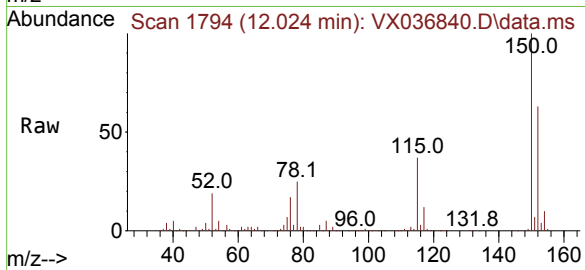




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

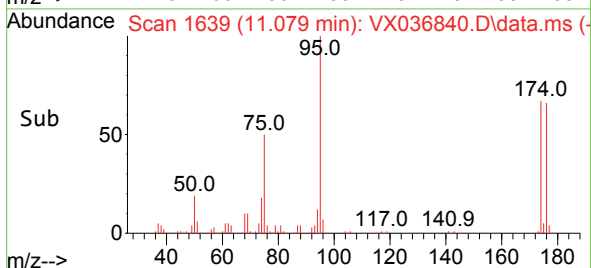
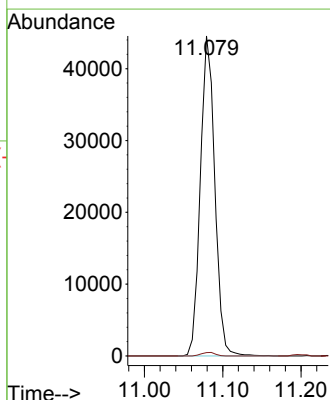
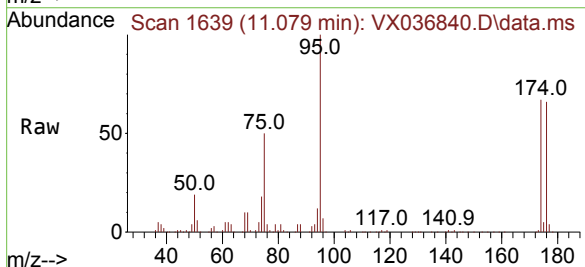
Instrument :
MSVOA_X
ClientSampleId :
50119

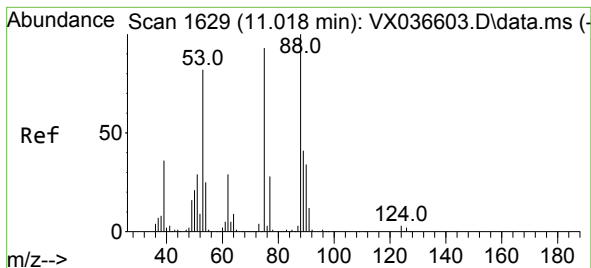
Tgt Ion:152 Resp: 101291
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 157.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 75 Resp: 57125
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

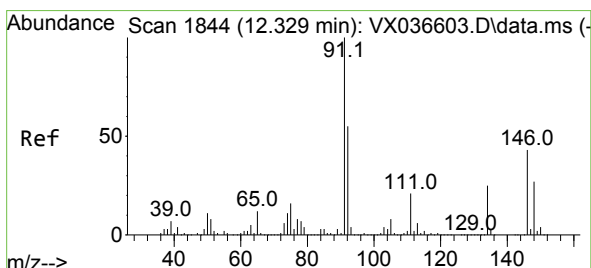
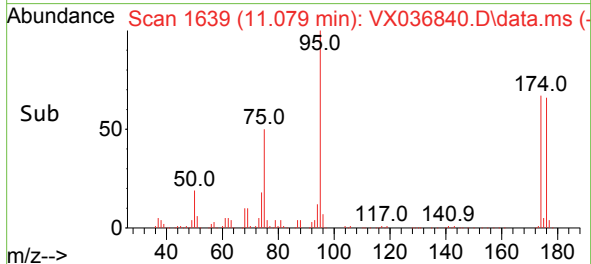
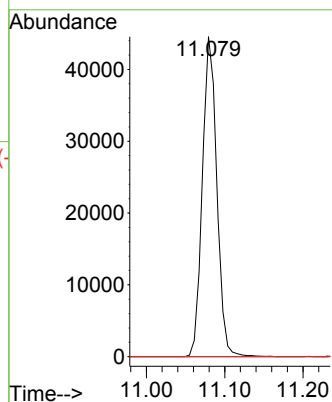
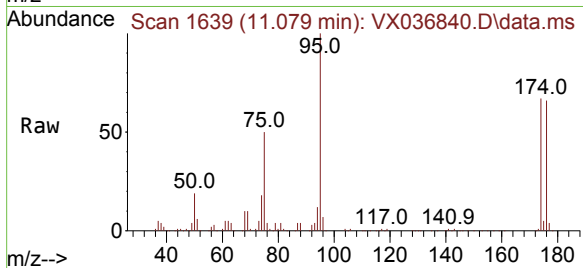




#81
trans-1,4-Dichloro-2-butene
Concen: 54.346 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

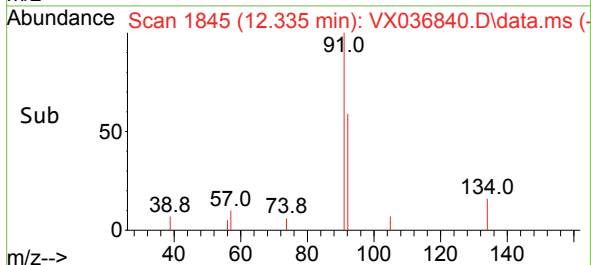
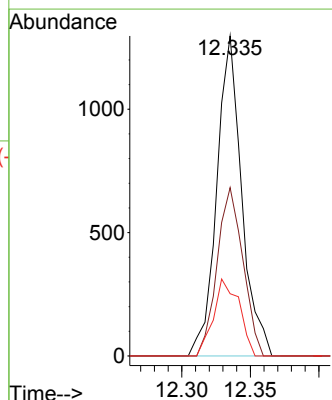
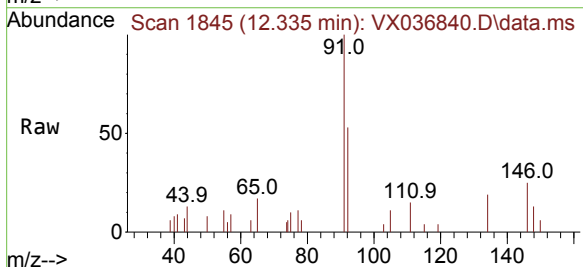
Instrument :
MSVOA_X
ClientSampleId :
50119

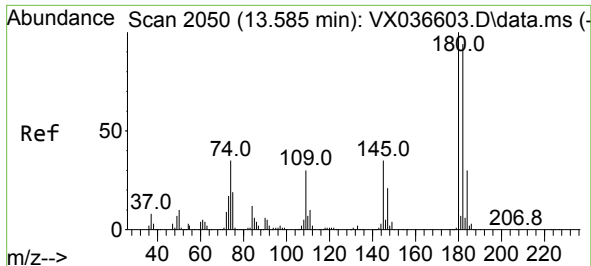
Tgt Ion: 75 Resp: 57125
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion: 91 Resp: 1641
Ion Ratio Lower Upper
91 100
92 54.4 27.4 82.0
134 24.7 12.6 37.8

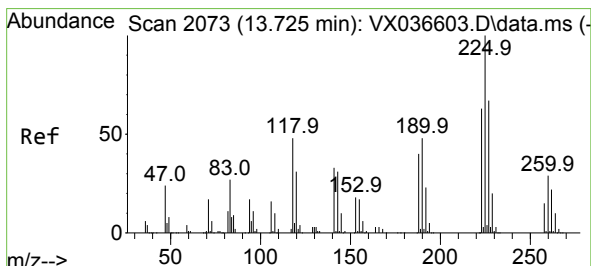
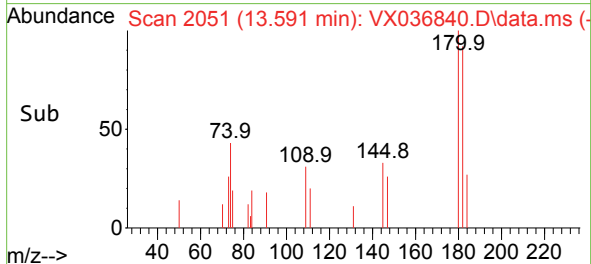
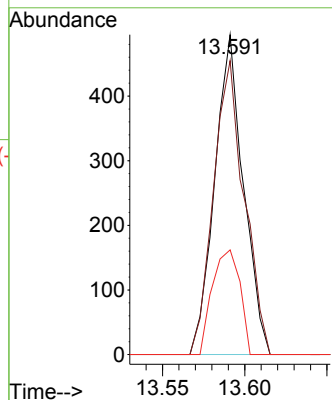
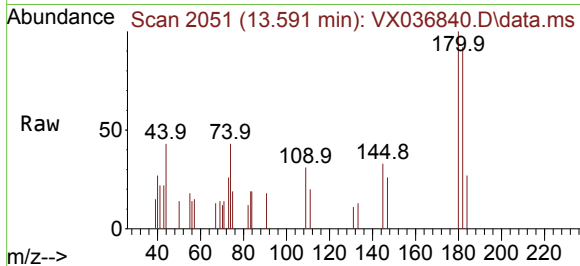




#93
1,2,4-Trichlorobenzene
Concen: 0.287 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

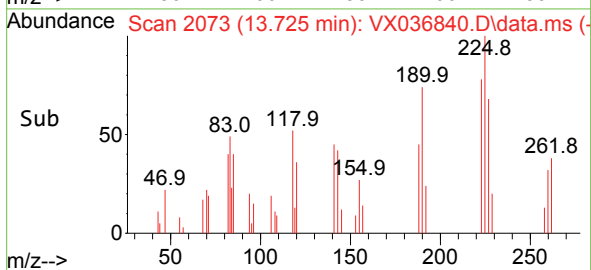
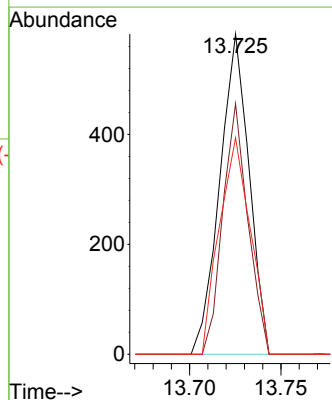
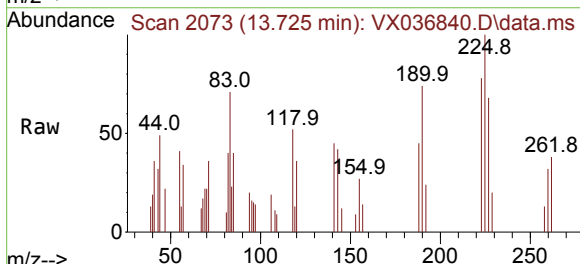
Instrument :
MSVOA_X
ClientSampleId :
50119

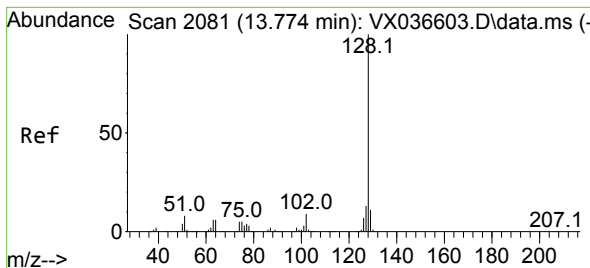
Tgt Ion:180 Resp: 604
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.8
145 31.3 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.749 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036840.D
Acq: 07 Aug 2023 16:28

Tgt Ion:225 Resp: 651
Ion Ratio Lower Upper
225 100
223 67.0 31.1 93.2
227 71.0 32.5 97.5





#95

Naphthalene

Concen: 0.327 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA_X

ClientSampleId :

50119

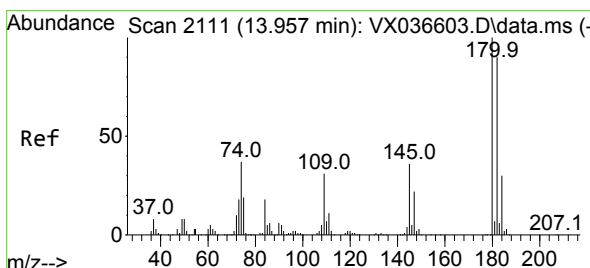
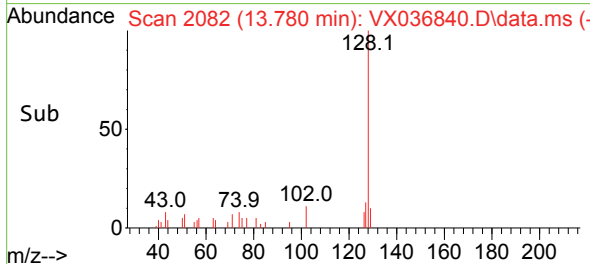
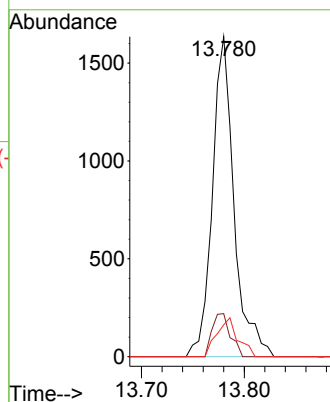
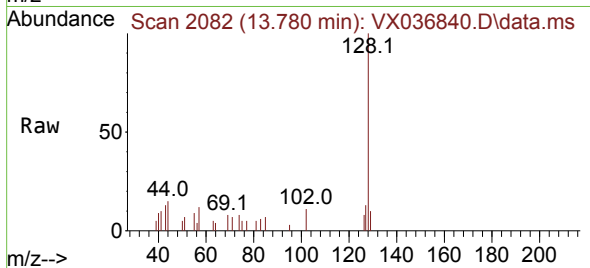
Tgt Ion:128 Resp: 2392

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 11.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.279 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Tgt Ion:180 Resp: 579

Ion Ratio Lower Upper

180 100

182 100.7 46.9 140.6

145 40.4 17.8 53.5

