

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081523\
 Data File : VX036985.D
 Acq On : 15 Aug 2023 14:07
 Operator : JC/MD
 Sample : 03997-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 05:33:02 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	122513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91087	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86525	47.731	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.460%
35) Dibromofluoromethane	5.391	113	71779	46.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.580%
50) Toluene-d8	8.647	98	269106	48.933	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.079	95	102324	49.316	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.640%

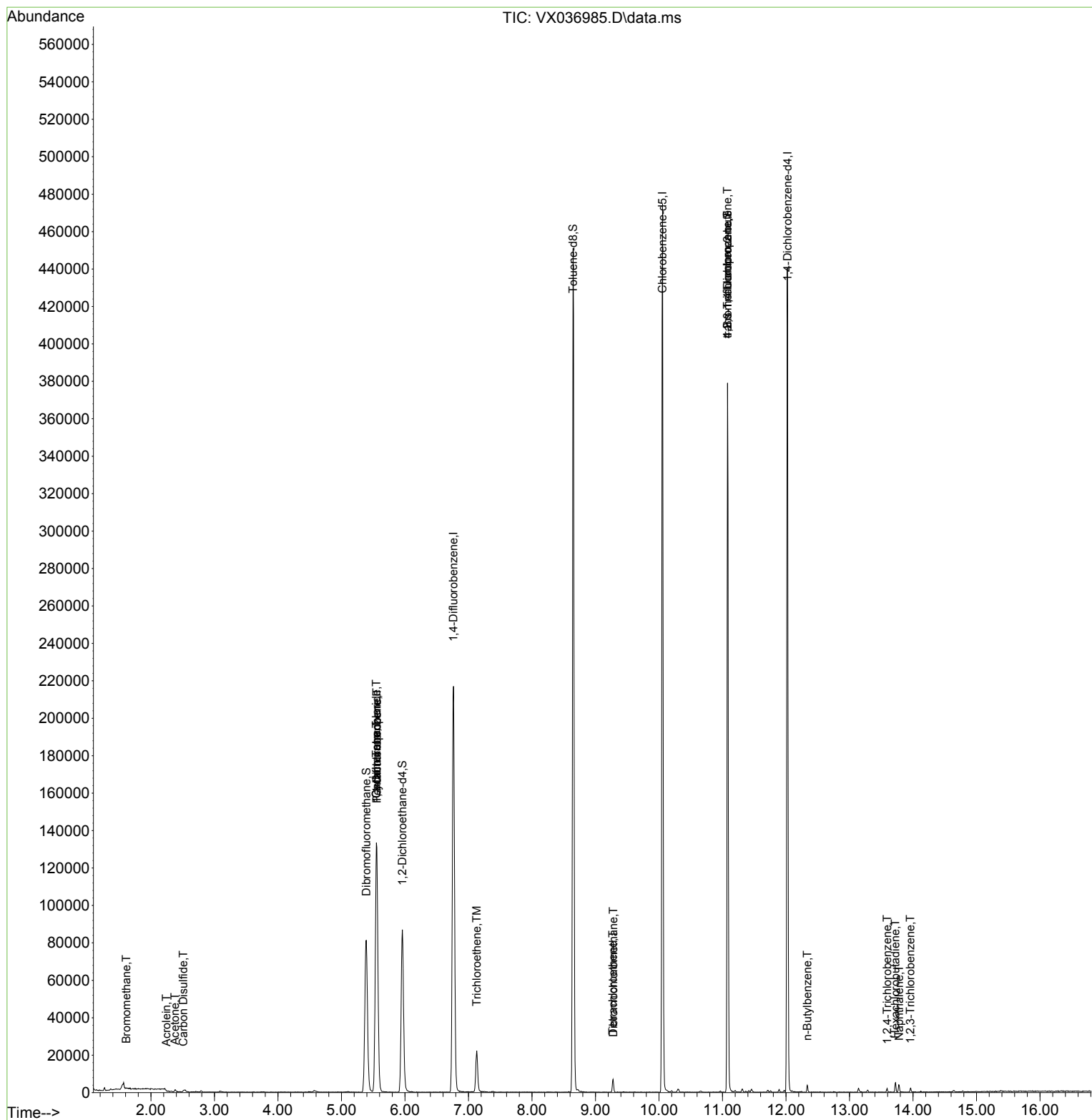
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	187	0.209	ug/l #	52
13) Acrolein	2.240	56	119	0.486	ug/l	90
16) Acetone	2.380	43	1347	1.791	ug/l	91
17) Carbon Disulfide	2.508	76	990	0.261	ug/l #	93
31) Cyclohexane	5.550	56	2913	1.161	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	10206	4.415	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13144	5.349	ug/l #	14
44) Trichloroethene	7.129	130	8329	4.738	ug/l	96
60) Dibromochloromethane	9.281	129	1166	0.599	ug/l #	11
64) Tetrachloroethene	9.275	164	1211	0.777	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	53244	24.852	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53244	56.328	ug/l #	5
89) n-Butylbenzene	12.335	91	1418	0.249	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	585	0.309	ug/l	94
94) Hexachlorobutadiene	13.719	225	755	0.965	ug/l	93
95) Naphthalene	13.780	128	3135	0.476	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.957	180	693	0.372	ug/l	94

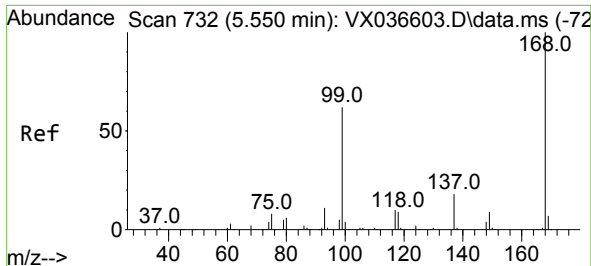
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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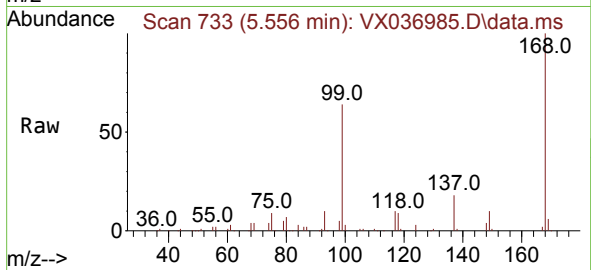
Quant Time: Aug 16 05:33:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



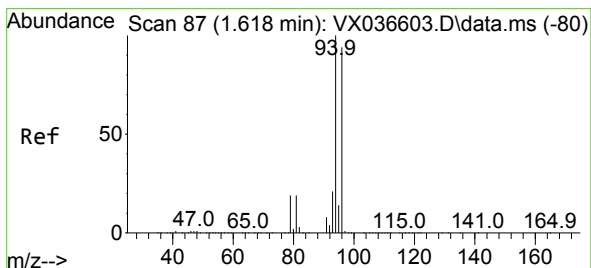
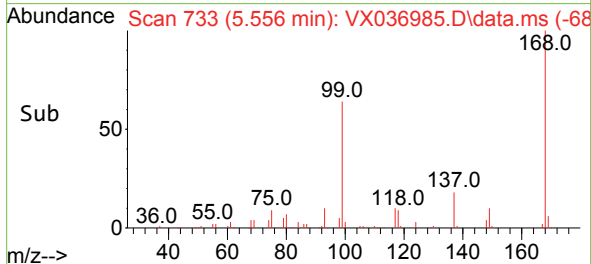
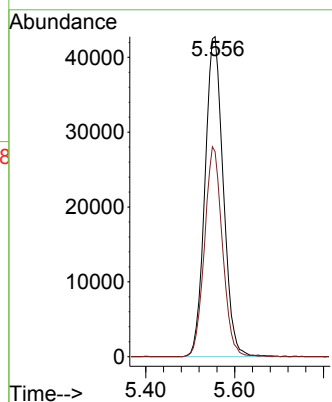


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

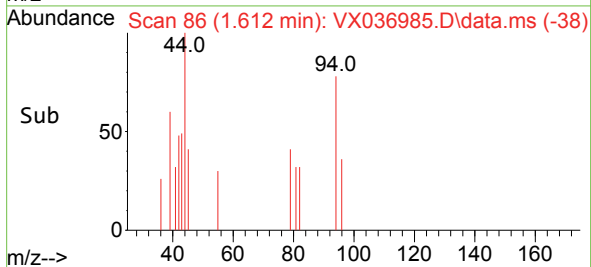
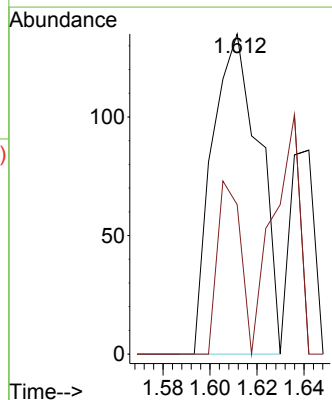
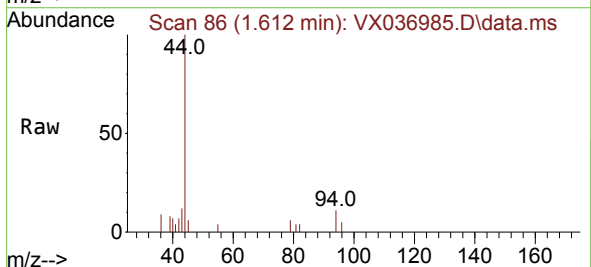


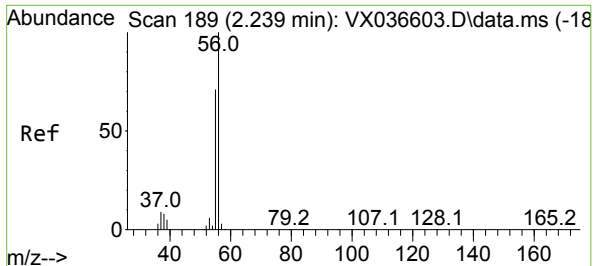
Tgt Ion:168 Resp: 122513
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

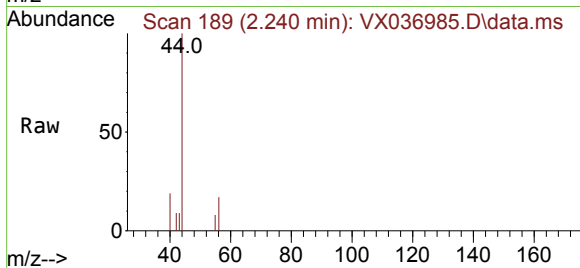
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 46.7 74.6 111.8#



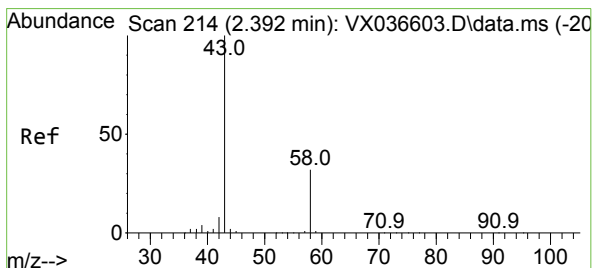
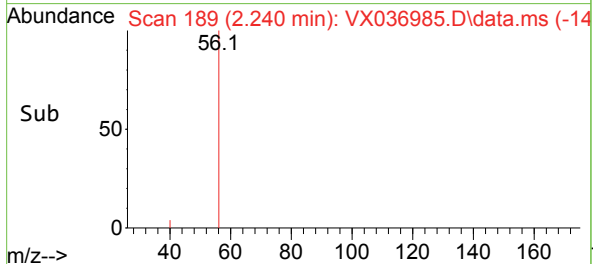
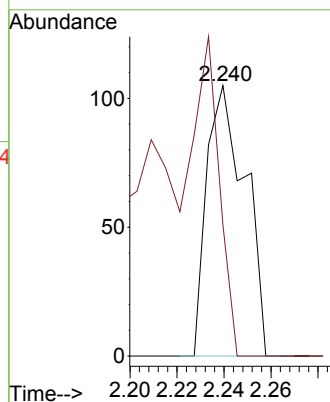


#13
Acrolein
Concen: 0.486 ug/l
RT: 2.240 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

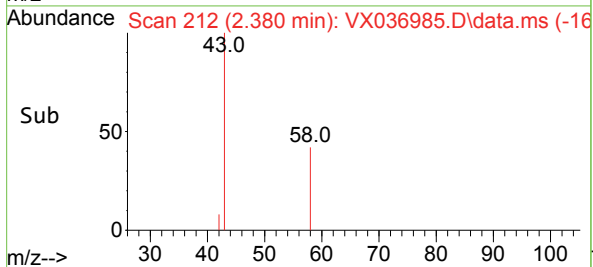
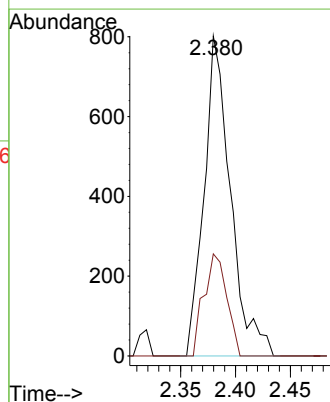
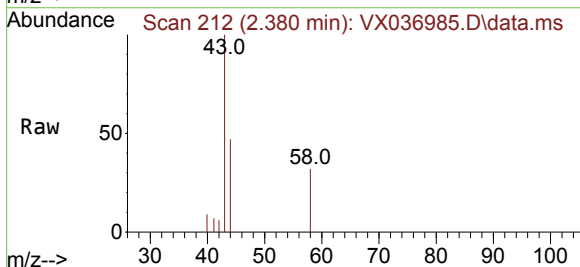


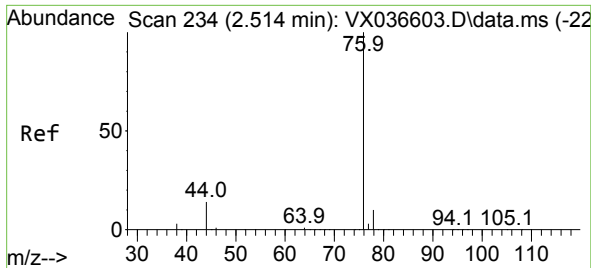
Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 79.8 57.1 85.7



#16
Acetone
Concen: 1.791 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

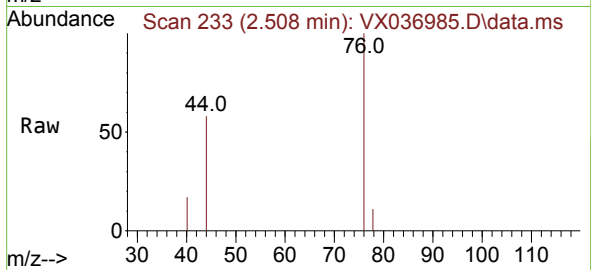
Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9



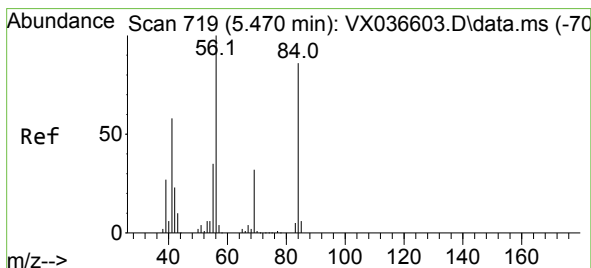
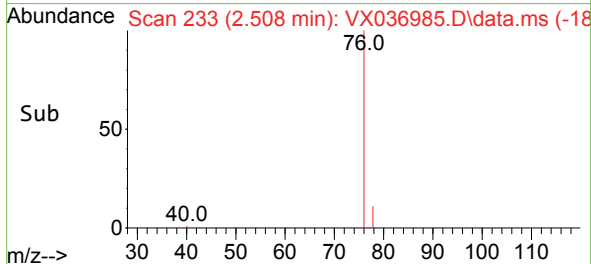
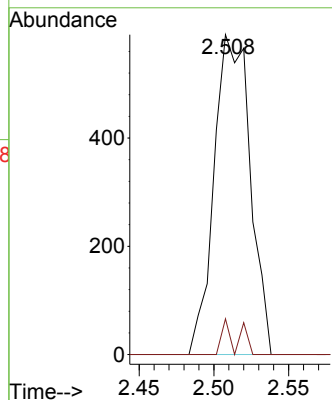


#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

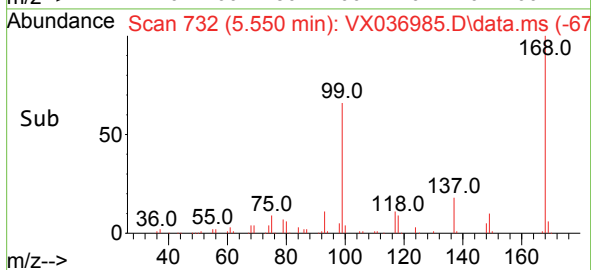
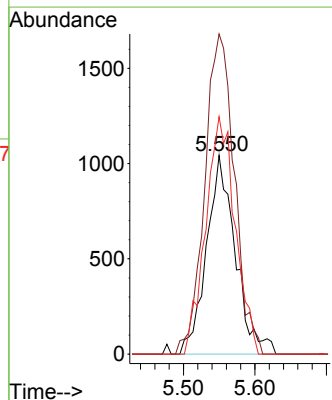
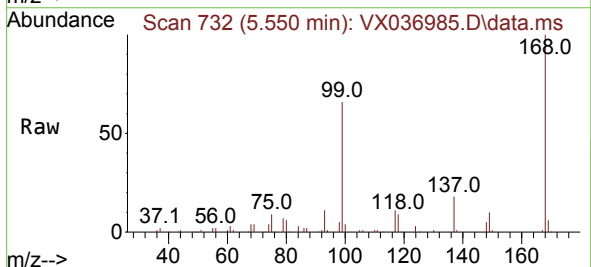


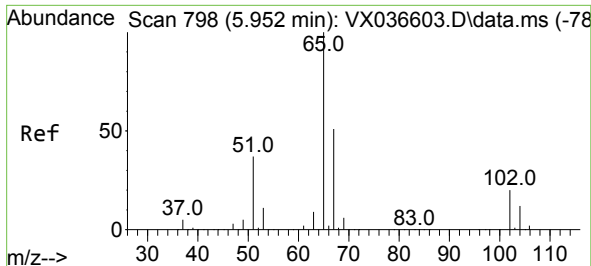
Tgt Ion: 76 Resp: 990
Ion Ratio Lower Upper
76 100
78 11.2 7.0 10.6#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Tgt Ion: 56 Resp: 2913
Ion Ratio Lower Upper
56 100
69 161.2 23.4 35.2#
84 119.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.731 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036985.D

Acq: 15 Aug 2023 14:07

Instrument :

MSVOA_X

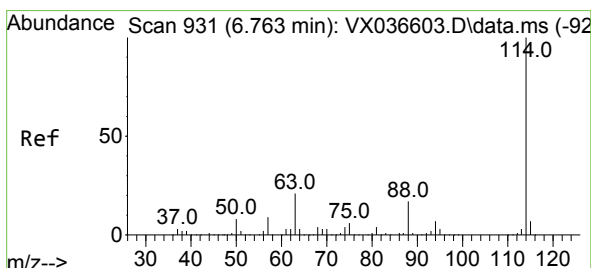
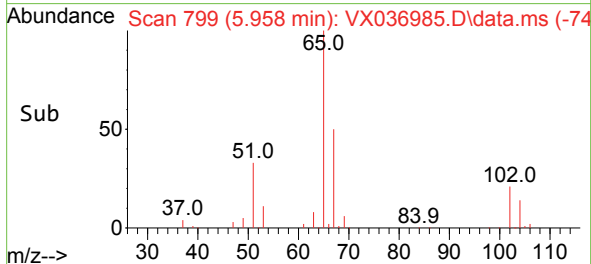
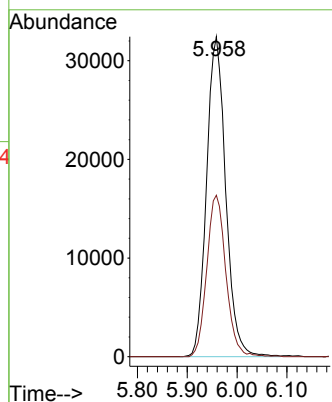
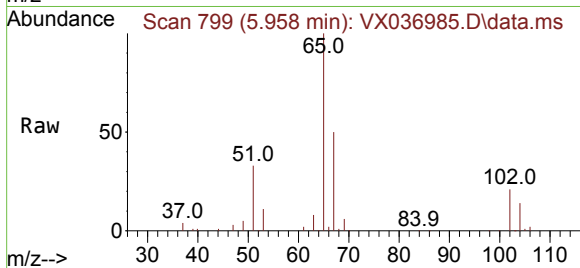
ClientSampleId :

Tgt Ion: 65 Resp: 86525

Ion Ratio Lower Upper

65 100

67 50.4 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: VX036985.D

Acq: 15 Aug 2023 14:07

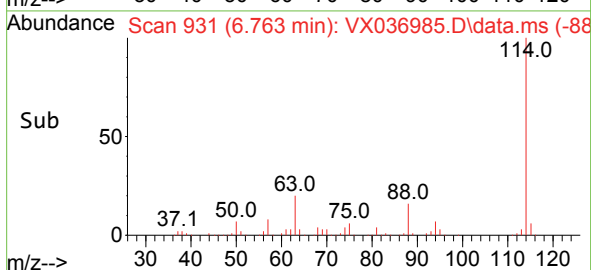
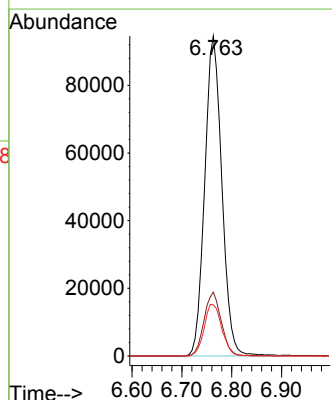
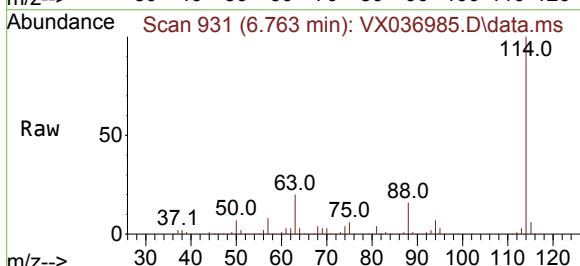
Tgt Ion: 114 Resp: 225621

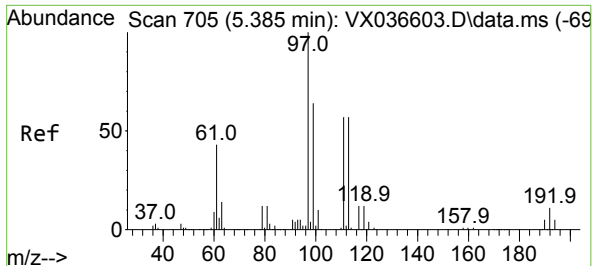
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

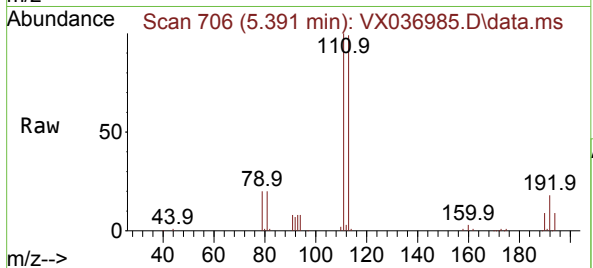
88 15.9 0.0 36.6



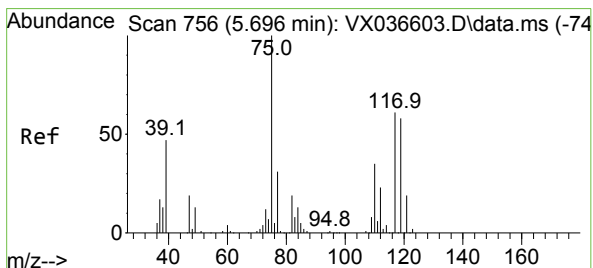
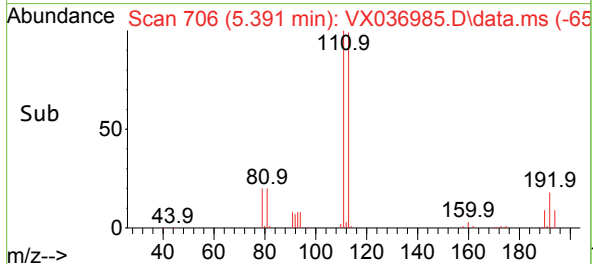
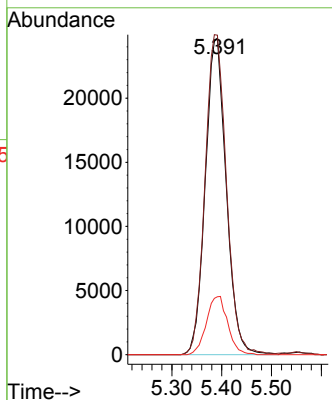


#35
Dibromofluoromethane
Concen: 46.285 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

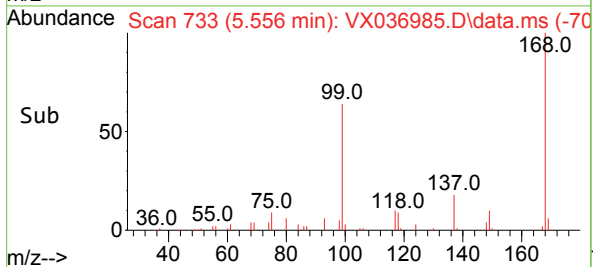
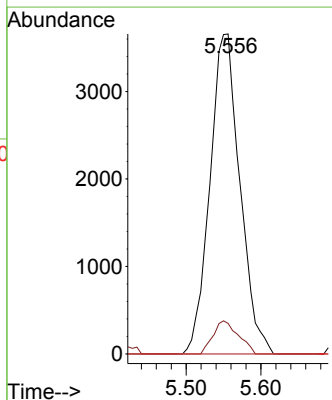
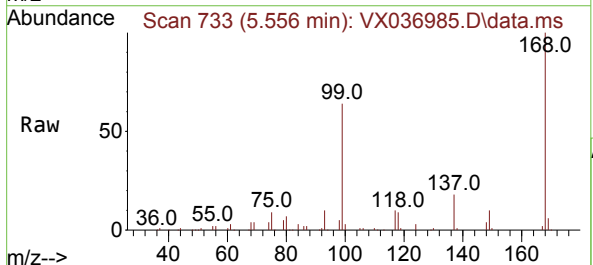


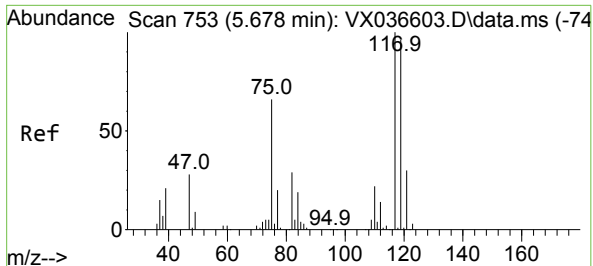
Tgt Ion:113 Resp: 71779
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.415 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

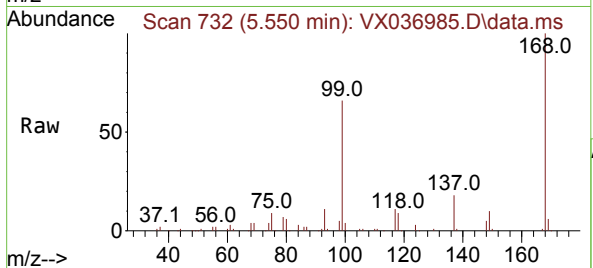
Tgt Ion: 75 Resp: 10206
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



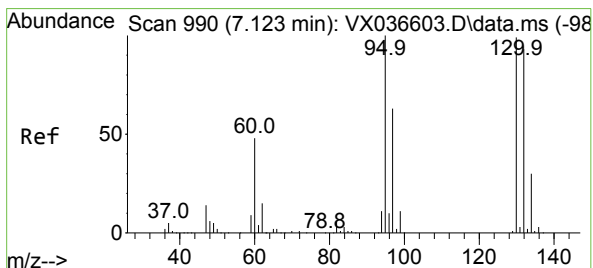
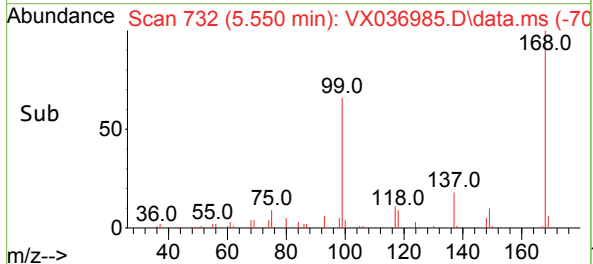
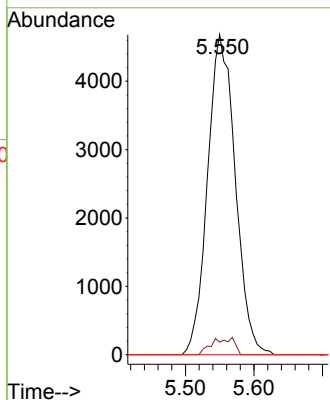


#38
Carbon Tetrachloride
Concen: 5.349 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

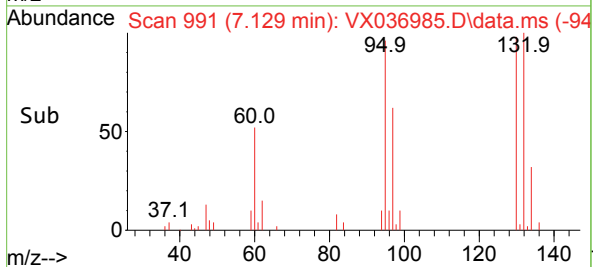
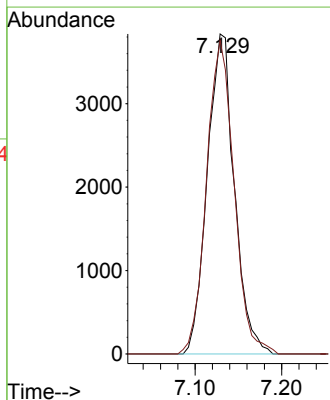
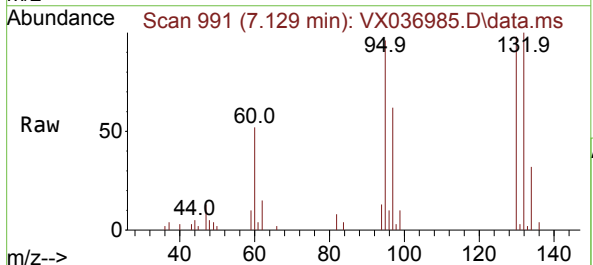


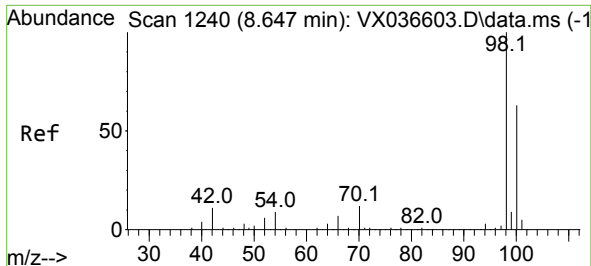
Tgt Ion:117 Resp: 13144
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 4.738 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Tgt Ion:130 Resp: 8329
Ion Ratio Lower Upper
130 100
95 97.9 0.0 204.4

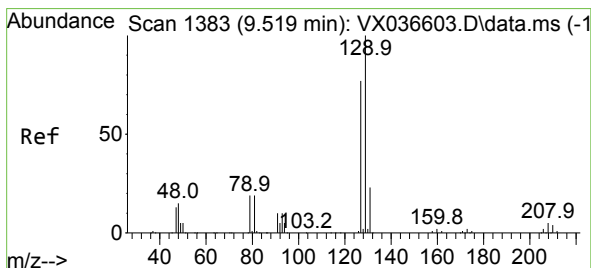
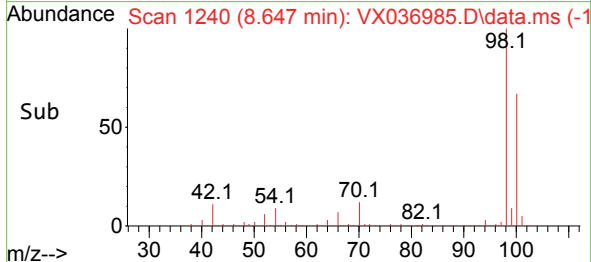
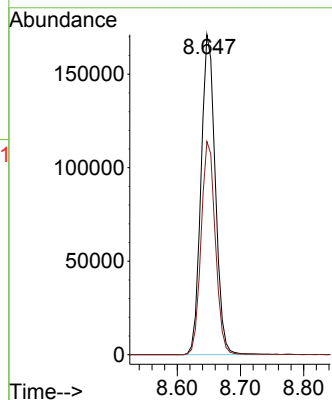
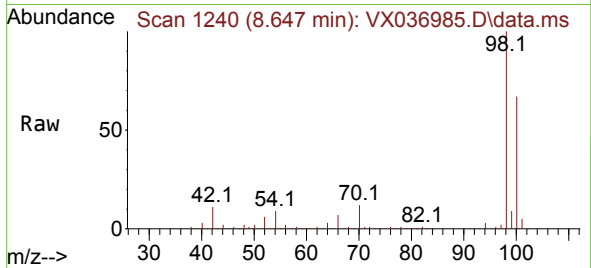




#50
Toluene-d8
Concen: 48.933 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

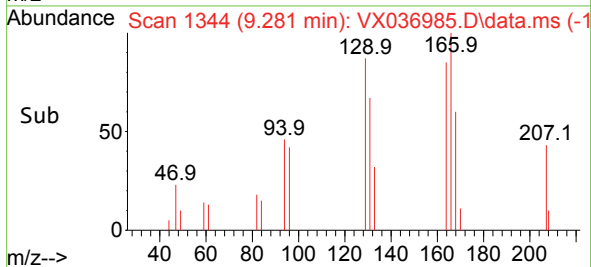
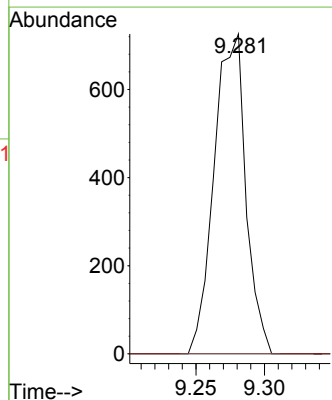
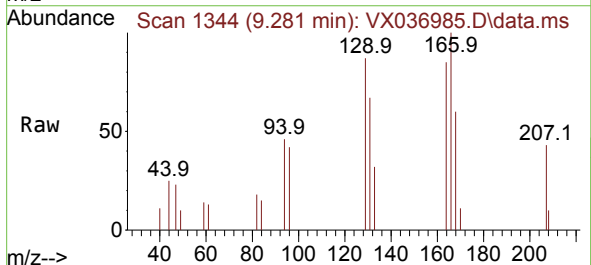
Instrument :
MSVOA_X
ClientSampleId :

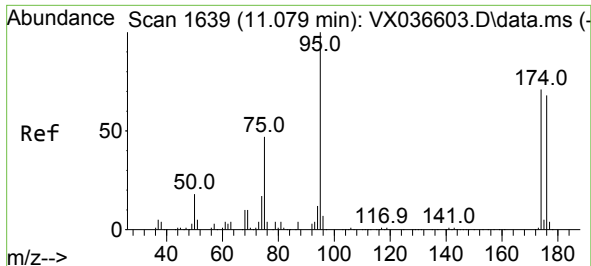
Tgt Ion: 98 Resp: 269106
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#60
Dibromochloromethane
Concen: 0.599 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Tgt Ion: 129 Resp: 1166
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

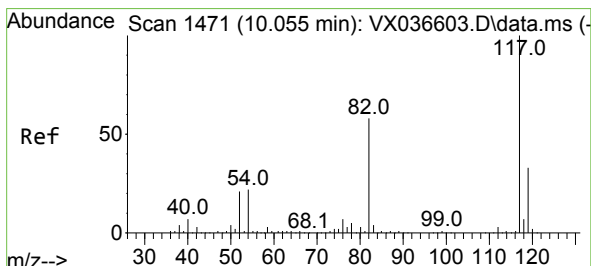
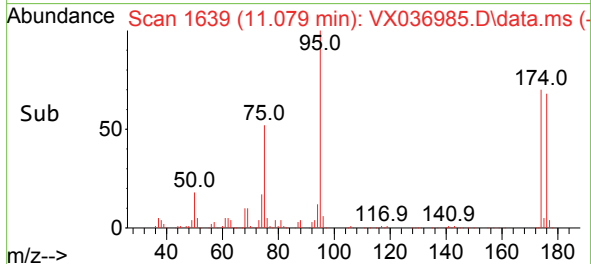
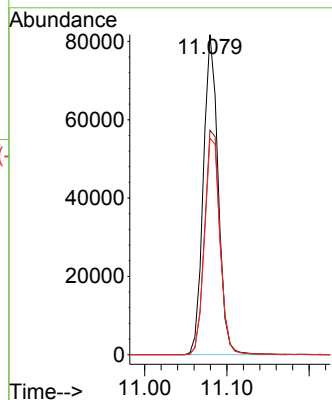
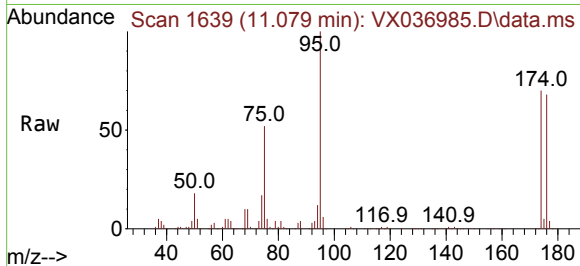




#62
4-Bromofluorobenzene
Concen: 49.316 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

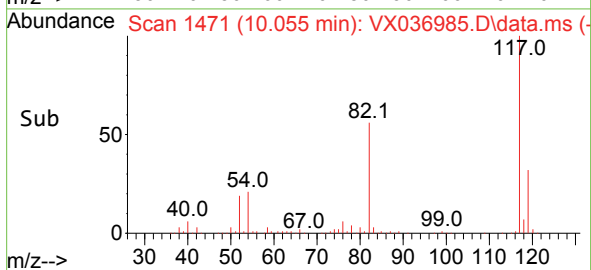
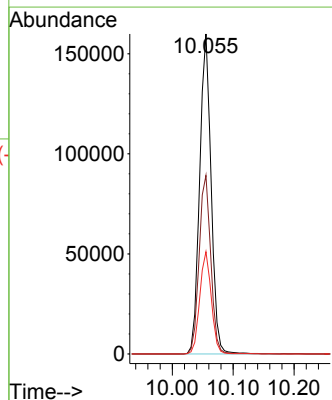
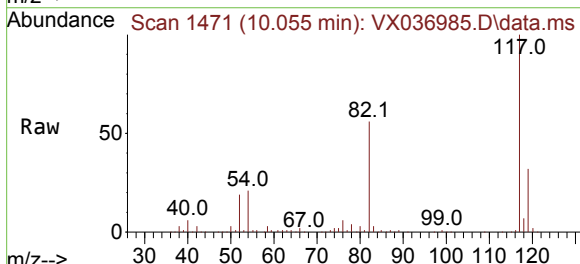
Instrument :
MSVOA_X
ClientSampleId :

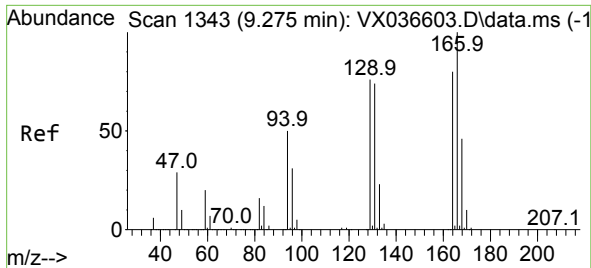
Tgt Ion: 95 Resp: 102324
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

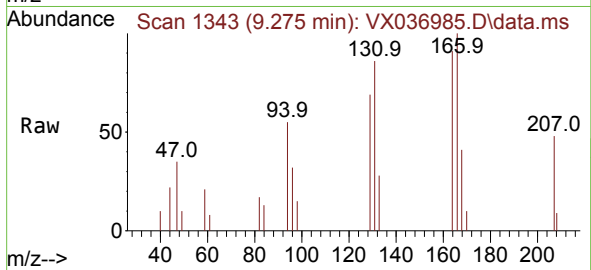
Tgt Ion: 117 Resp: 208938
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.0 25.5 38.3



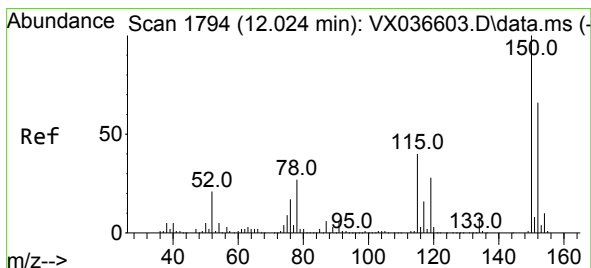
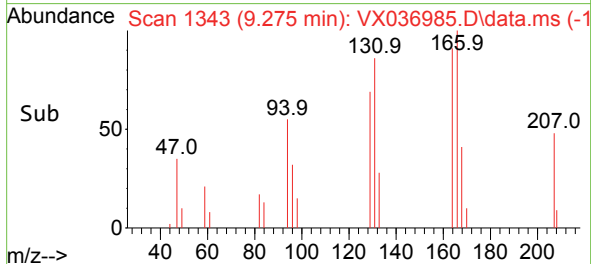
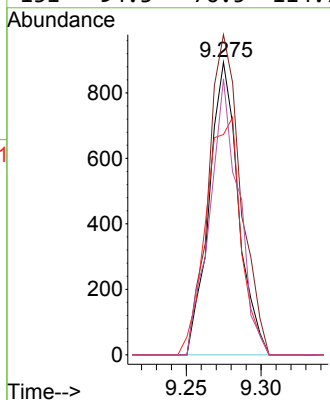


#64
Tetrachloroethene
Concen: 0.777 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :

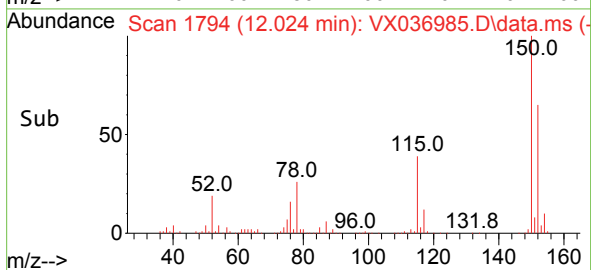
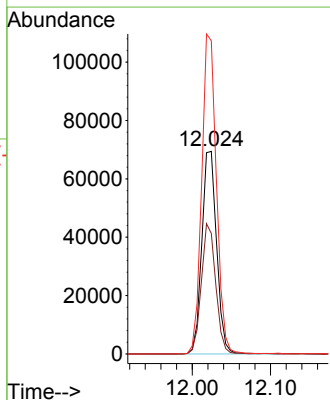
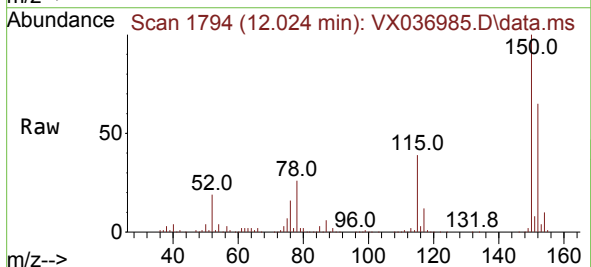


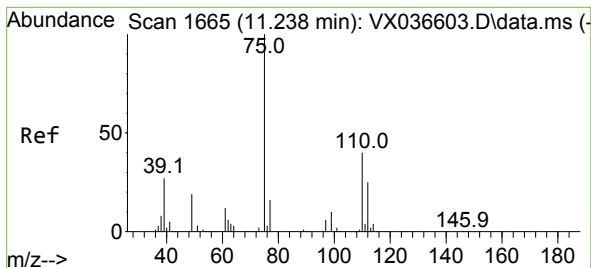
Tgt Ion:164 Resp: 1211
Ion Ratio Lower Upper
164 100
166 109.4 102.7 154.1
129 75.3 80.4 120.6#
131 94.3 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

Tgt Ion:152 Resp: 91087
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 156.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.852 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036985.D

Acq: 15 Aug 2023 14:07

Instrument :

MSVOA_X

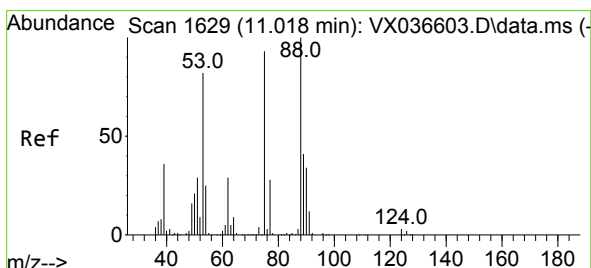
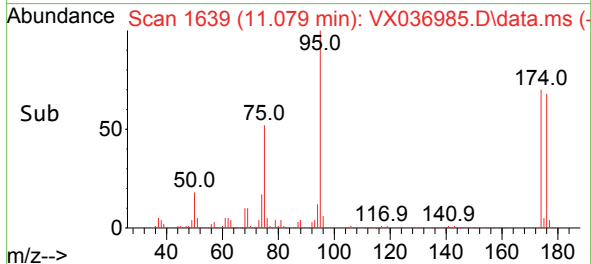
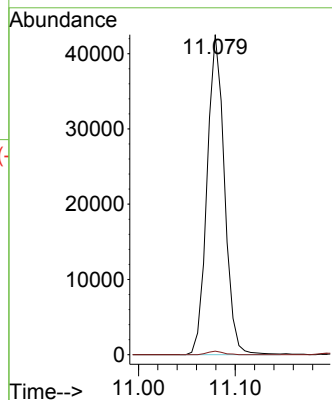
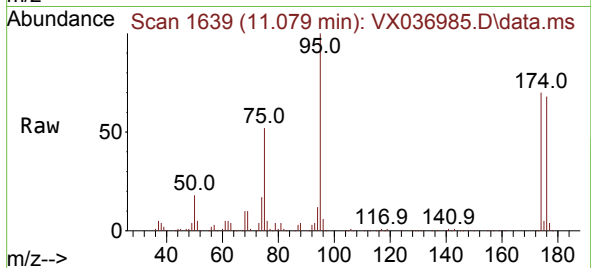
ClientSampleId :

Tgt Ion: 75 Resp: 53244

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.328 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036985.D

Acq: 15 Aug 2023 14:07

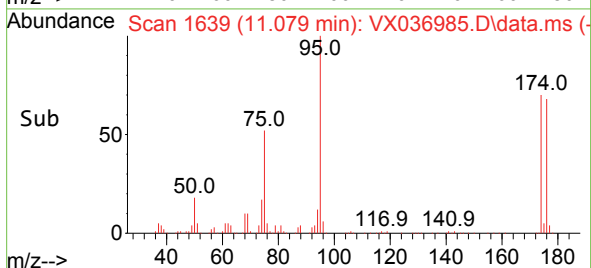
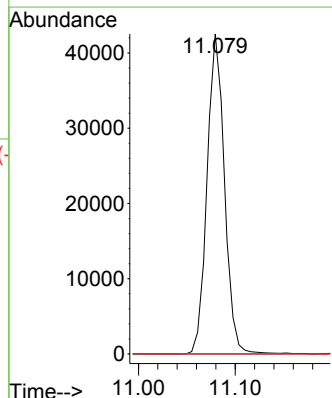
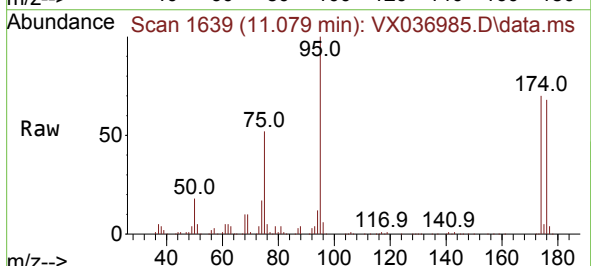
Tgt Ion: 75 Resp: 53244

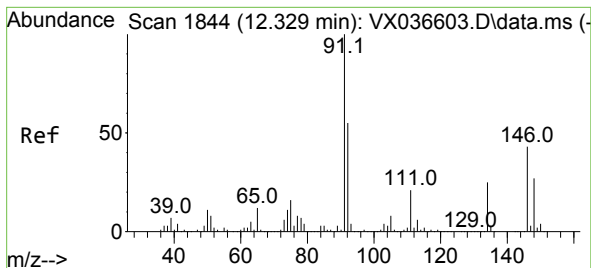
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.249 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036985.D

Acq: 15 Aug 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

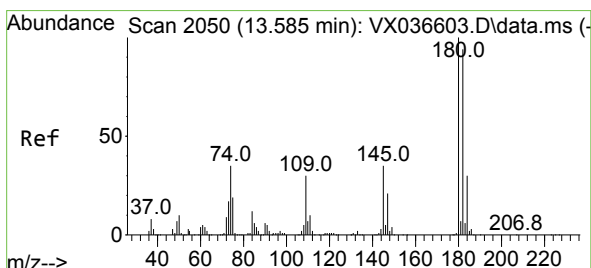
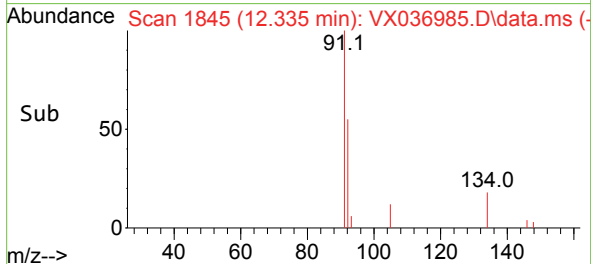
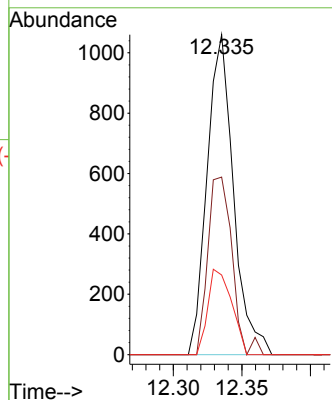
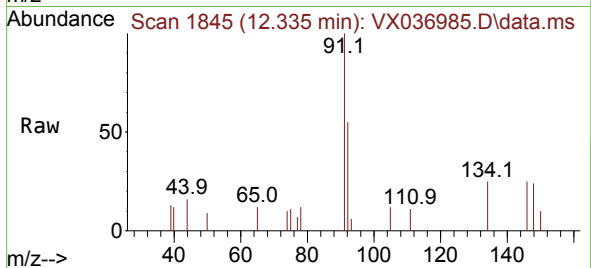
Tgt Ion: 91 Resp: 1418

Ion Ratio Lower Upper

91 100

92 50.8 27.4 82.0

134 24.0 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX036985.D

Acq: 15 Aug 2023 14:07

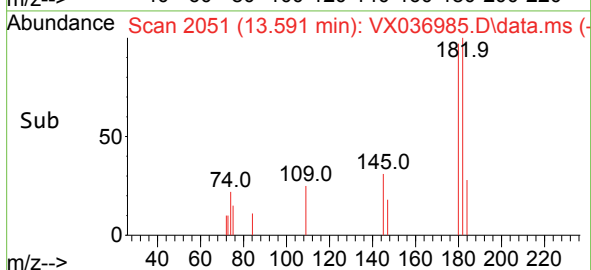
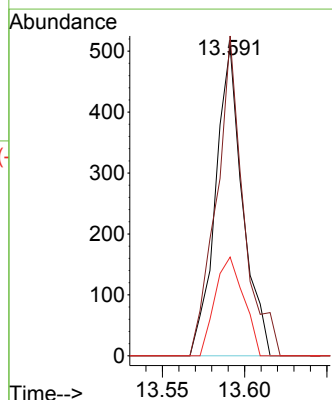
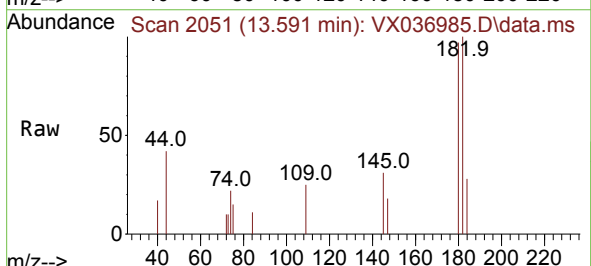
Tgt Ion: 180 Resp: 585

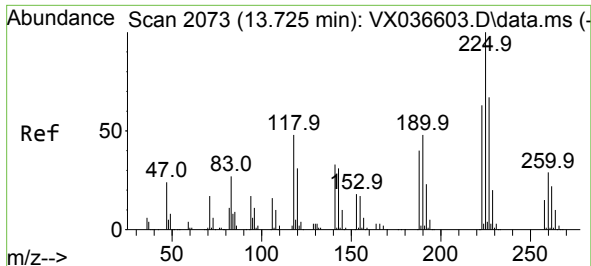
Ion Ratio Lower Upper

180 100

182 102.9 48.3 144.8

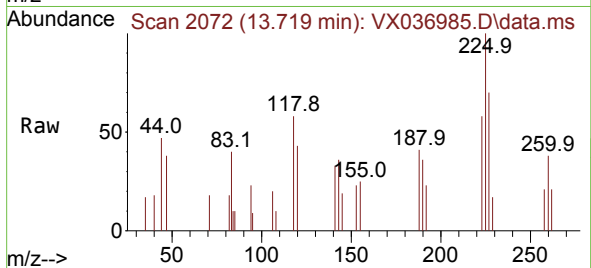
145 33.5 18.0 54.0



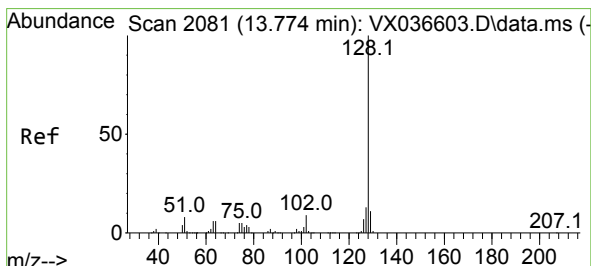
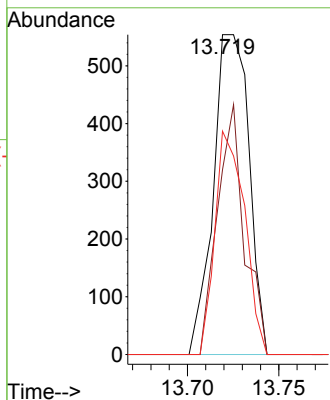
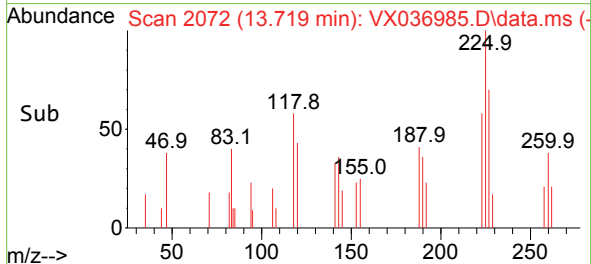


#94
Hexachlorobutadiene
Concen: 0.965 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07

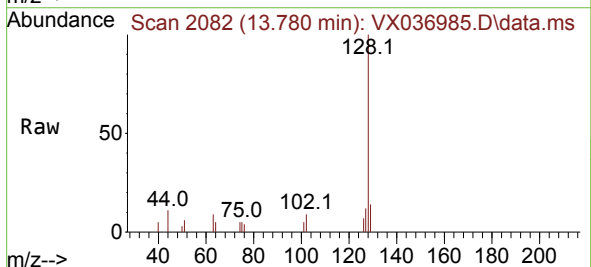
Instrument :
MSVOA_X
ClientSampleId :



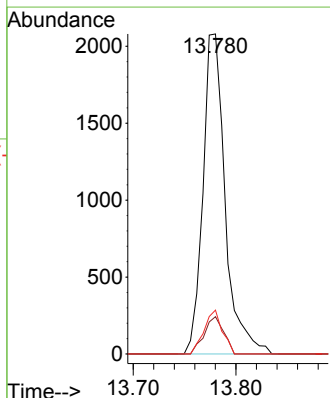
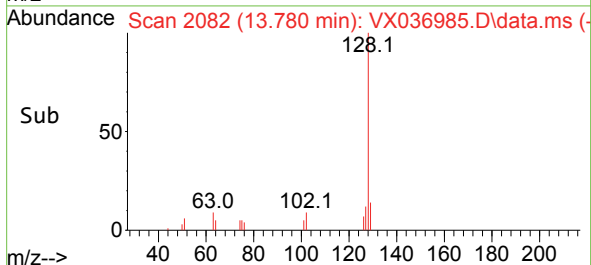
Tgt Ion:225 Resp: 755
Ion Ratio Lower Upper
225 100
223 58.8 31.1 93.2
227 57.9 32.5 97.5

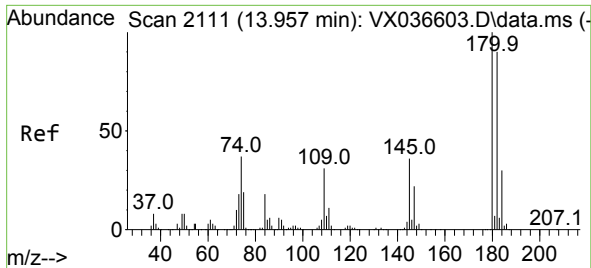


#95
Naphthalene
Concen: 0.476 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036985.D
Acq: 15 Aug 2023 14:07



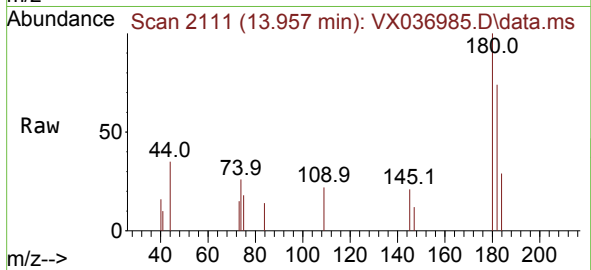
Tgt Ion:128 Resp: 3135
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 11.3 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.372 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX036985.D
 Acq: 15 Aug 2023 14:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	693
Ion	Ratio	Lower	Upper
180	100		
182	91.3	46.9	140.6
145	26.3	17.8	53.5

