

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030816.D
 Acq On : 26 Aug 2022 11:54
 Operator : JC/MD
 Sample : N4245-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816DL

Quant Time: Aug 27 02:38:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

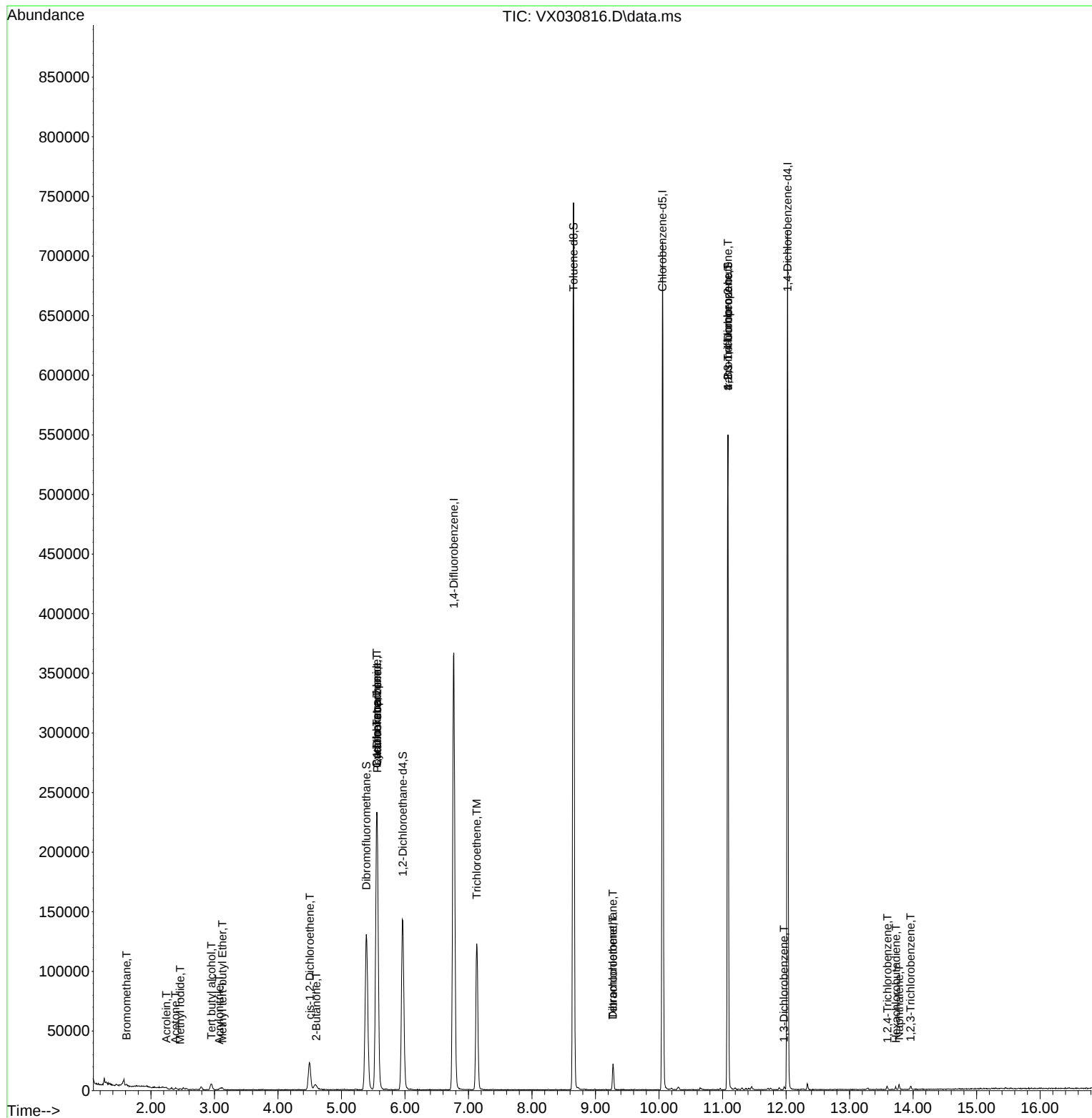
Internal Standards						
1) Pentafluorobenzene	5.562	168	230543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	386602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	138431	51.048	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	5.391	113	118662	49.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.653	98	447207	54.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.020%			
62) 4-Bromofluorobenzene	11.085	95	144508	46.881	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.760%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	477	Below Cal		93
4) Vinyl Chloride	1.380	62	122	Below Cal	#	1
5) Bromomethane	1.618	94	583	0.543	ug/l #	70
6) Chloroethane	1.697	64	272	Below Cal	#	41
10) Methyl Iodide	2.459	142	535	4.292	ug/l #	76
11) Tert butyl alcohol	2.953	59	3348	5.687	ug/l #	74
13) Acrolein	2.239	56	100	10.237	ug/l #	1
15) Acrylonitrile	3.075	53	401	0.278	ug/l #	75
16) Acetone	2.386	43	1204	0.961	ug/l #	75
17) Carbon Disulfide	2.508	76	1687	Below Cal	#	85
19) Methyl tert-butyl Ether	3.123	73	1808	0.250	ug/l	94
20) Methylene Chloride	2.794	84	1006	Below Cal	#	76
25) 2-Butanone	4.605	43	656	0.325	ug/l #	48
27) cis-1,2-Dichloroethene	4.501	96	14760	5.322	ug/l	95
31) Cyclohexane	5.556	56	4500	1.298	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17648	5.455	ug/l #	49
38) Carbon Tetrachloride	5.556	117	23257	6.815	ug/l #	16
44) Trichloroethene	7.129	130	51367	18.368	ug/l	99
60) Dibromochloromethane	9.275	129	4362	1.558	ug/l #	11
64) Tetrachloroethene	9.275	164	4193	1.597	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	73852	24.011	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	73852	77.471	ug/l #	13
87) 1,3-Dichlorobenzene	11.969	146	883	0.202	ug/l	89
93) 1,2,4-Trichlorobenzene	13.597	180	937	0.326	ug/l	96
94) Hexachlorobutadiene	13.731	225	277	0.231	ug/l	89
95) Naphthalene	13.780	128	3053	0.305	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1012	0.333	ug/l	82

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

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QLast Update : Fri Aug 26 02:03:28 2022
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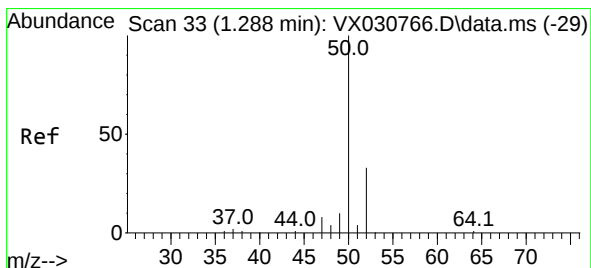
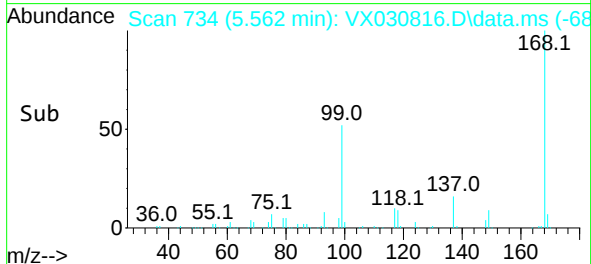
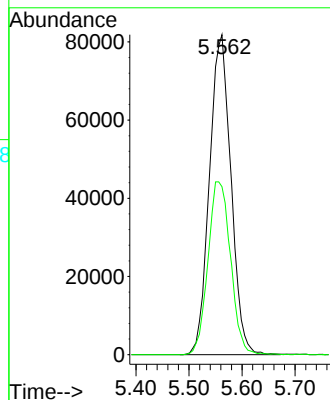
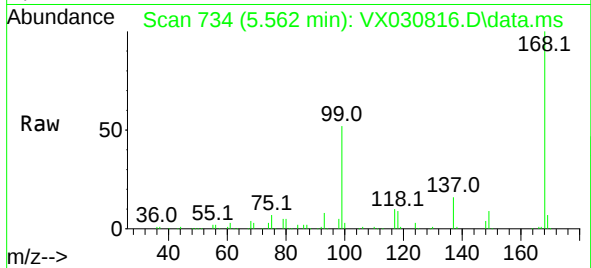




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

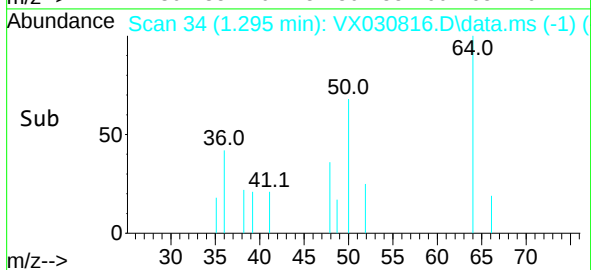
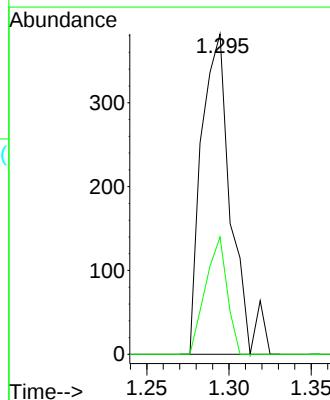
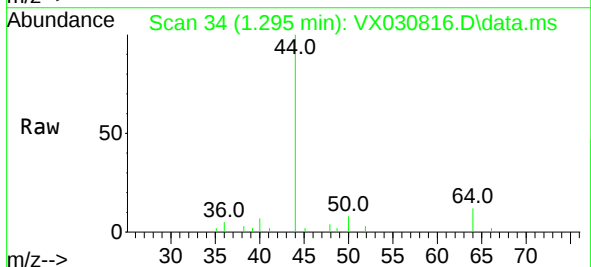
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

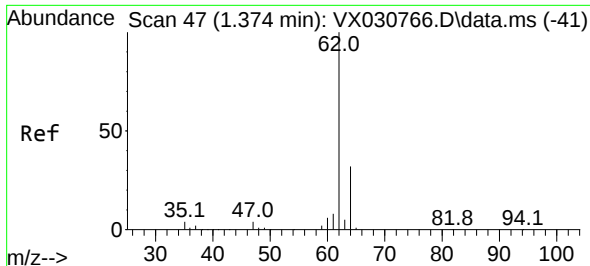
Tgt Ion:168 Resp: 230543
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 36.6 26.3 39.5

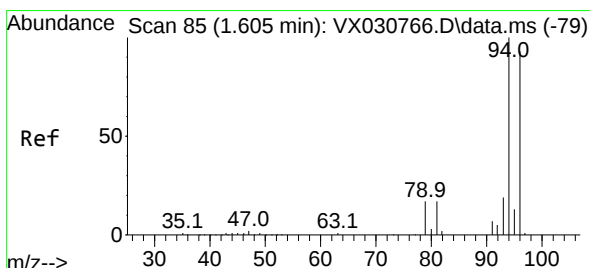
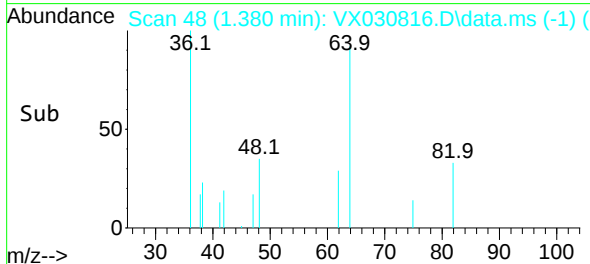
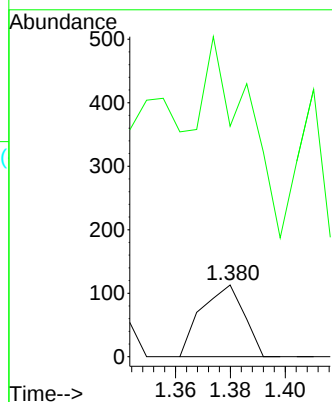
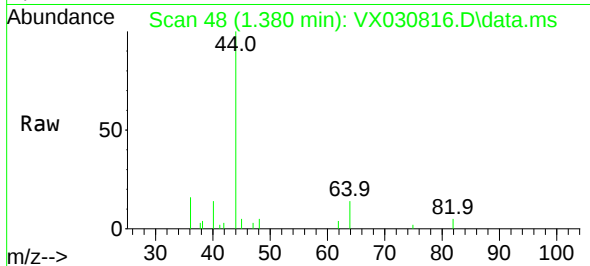




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.380 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX030816.D
 Acq: 26 Aug 2022 11:54

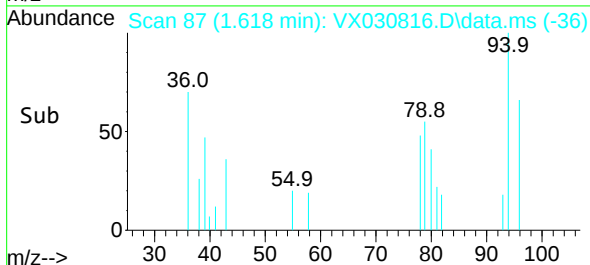
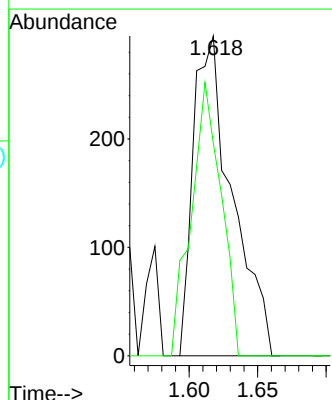
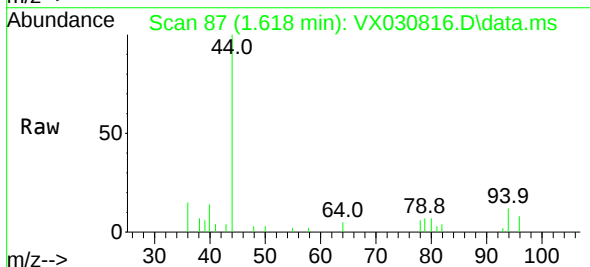
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816DL

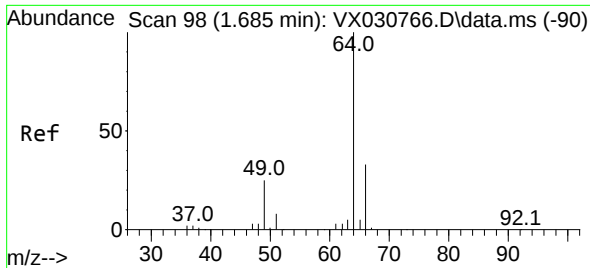
Tgt Ion: 62 Resp: 122
 Ion Ratio Lower Upper
 62 100
 64 155.8 25.2 37.8#



#5
 Bromomethane
 Concen: 0.543 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030816.D
 Acq: 26 Aug 2022 11:54

Tgt Ion: 94 Resp: 583
 Ion Ratio Lower Upper
 94 100
 96 66.4 76.9 115.3#

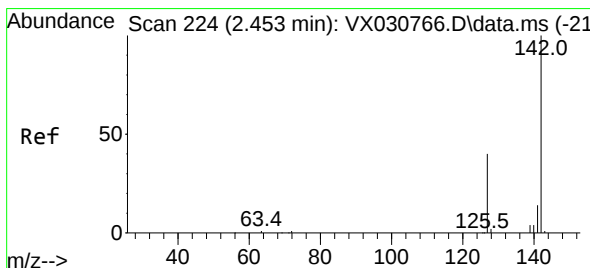
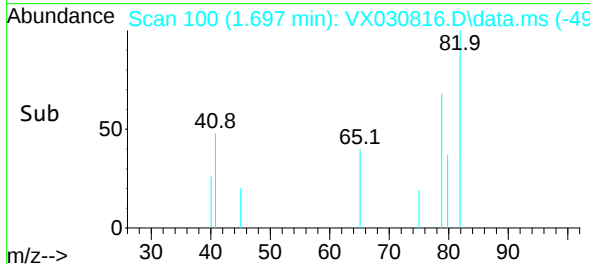
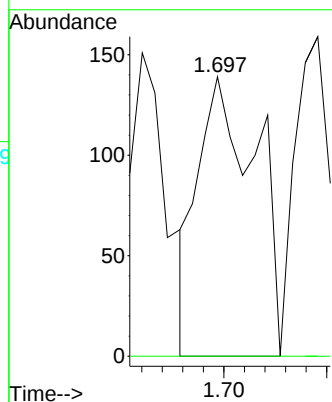
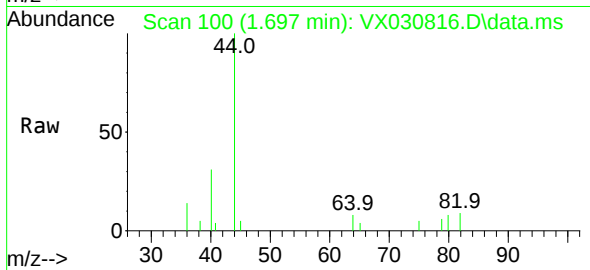




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

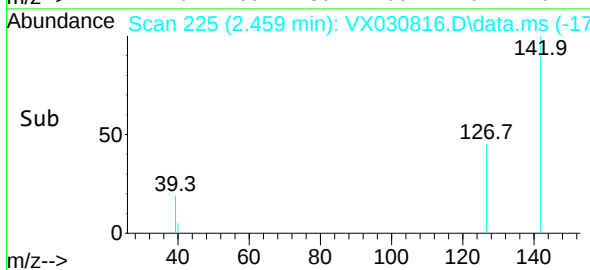
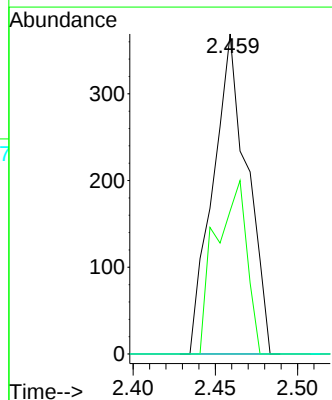
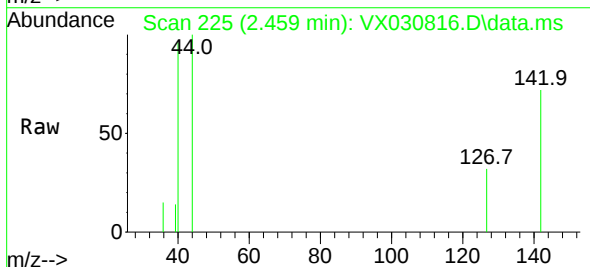
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

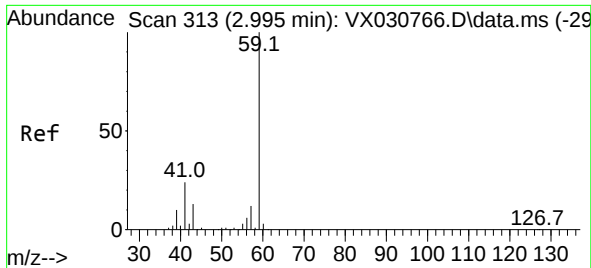
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.292 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 142 Resp: 535
Ion Ratio Lower Upper
142 100
127 49.3 30.2 45.2#
141 0.0 11.3 16.9#

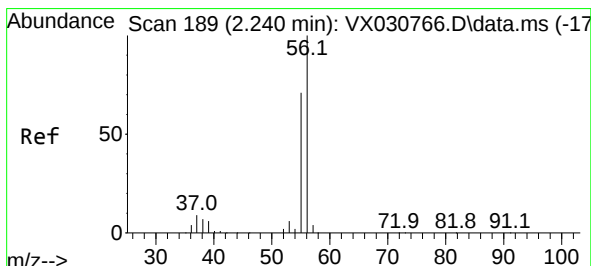
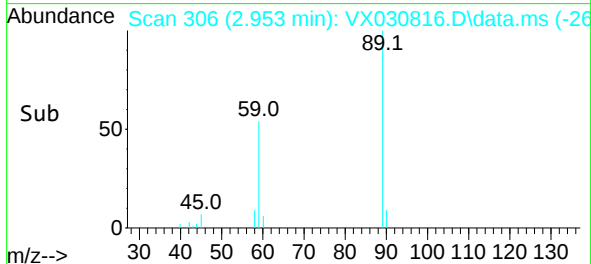
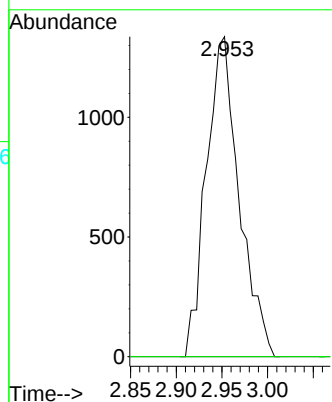
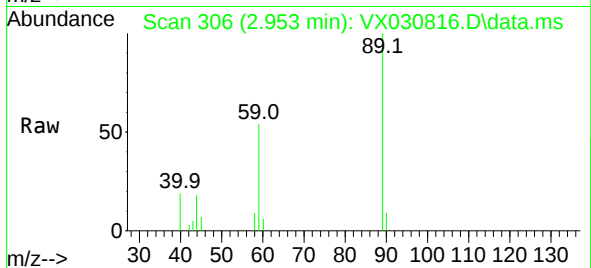




#11
Tert butyl alcohol
Concen: 5.687 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

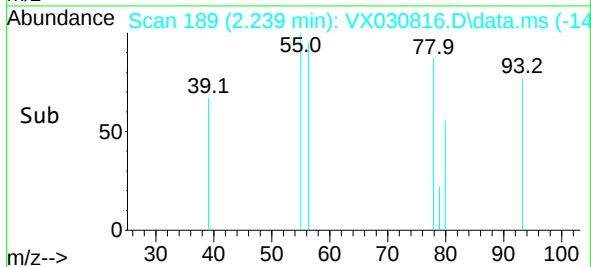
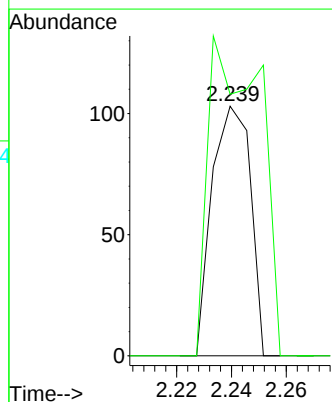
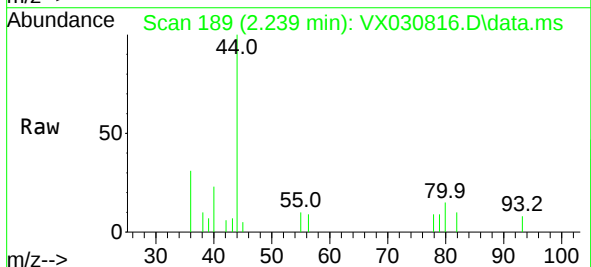
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

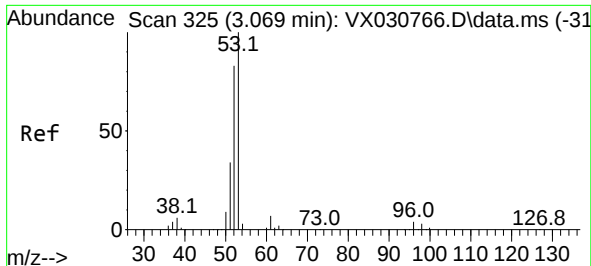
Tgt Ion: 59 Resp: 3348
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 10.237 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 172.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816DL

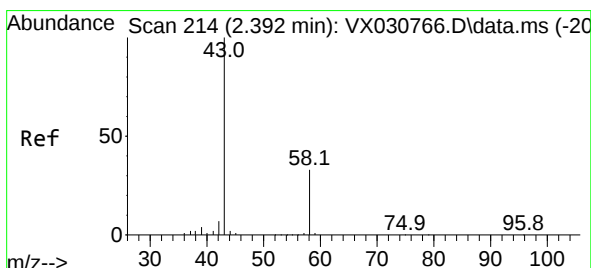
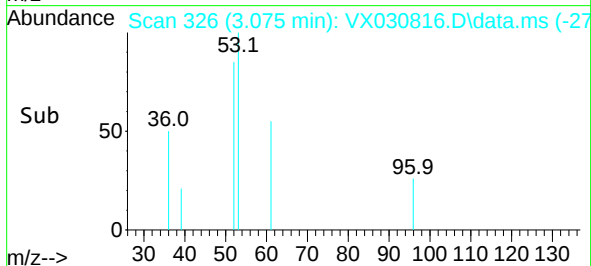
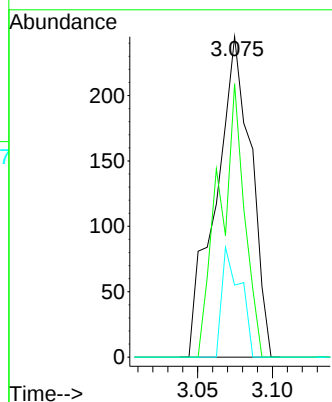
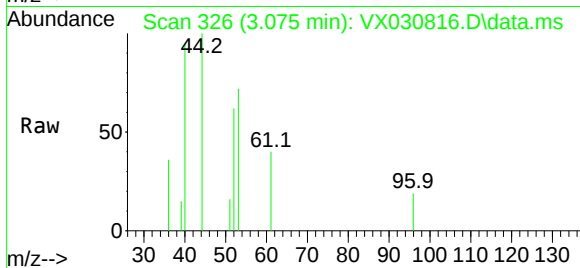
Tgt Ion: 53 Resp: 401

Ion Ratio Lower Upper

53 100

52 61.3 65.4 98.0#

51 18.0 27.7 41.5#



#16

Acetone

Concen: 0.961 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX030816.D

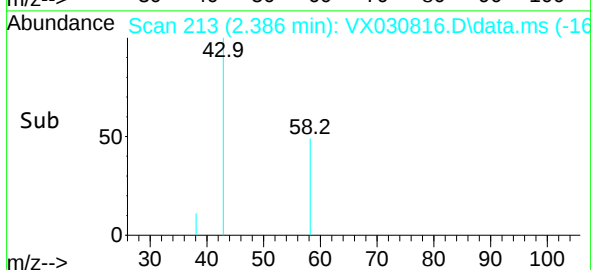
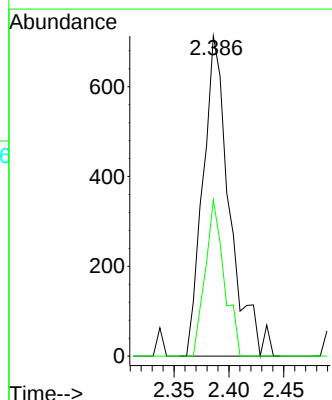
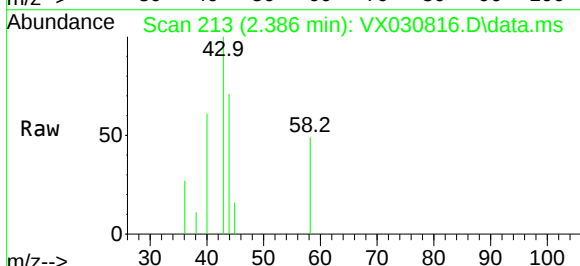
Acq: 26 Aug 2022 11:54

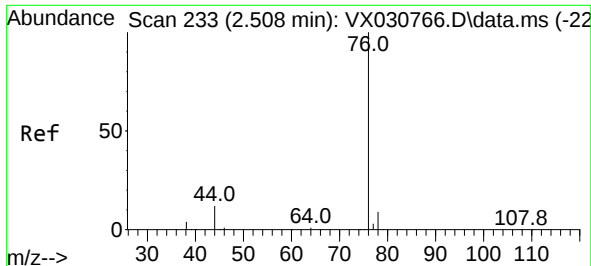
Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 48.8 27.7 41.5#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

Instrument :

MSVOA_X

ClientSampleId :

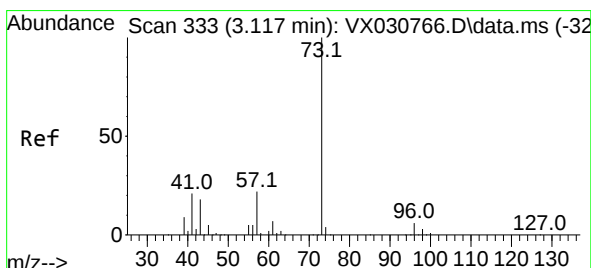
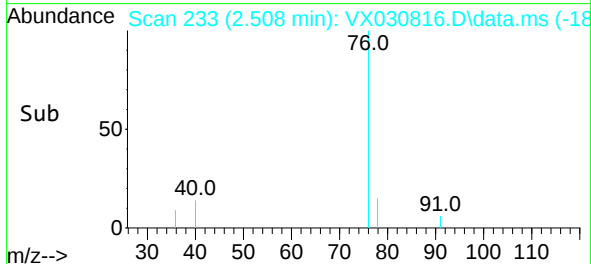
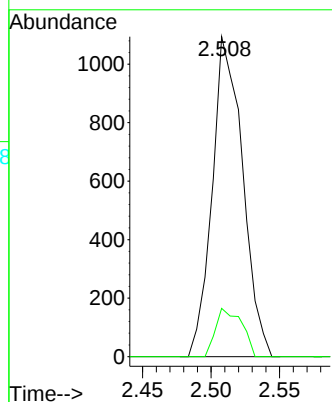
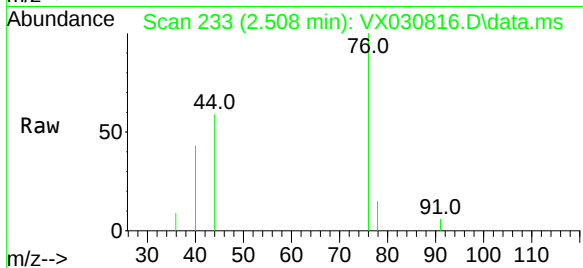
MW179D-20220816DL

Tgt Ion: 76 Resp: 1687

Ion Ratio Lower Upper

76 100

78 15.1 7.8 11.6#



#19

Methyl tert-butyl Ether

Concen: 0.250 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.006 min

Lab File: VX030816.D

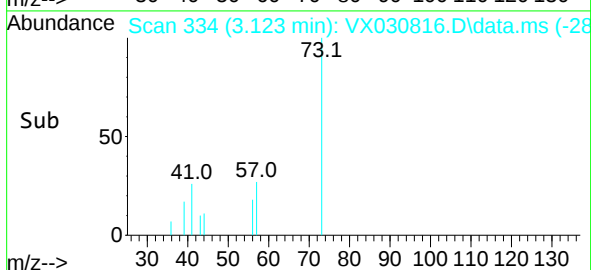
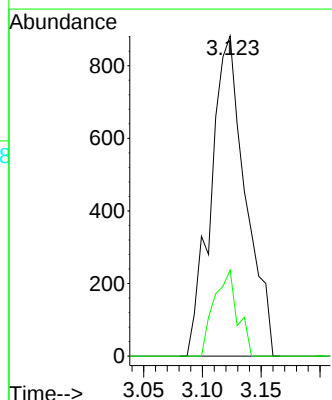
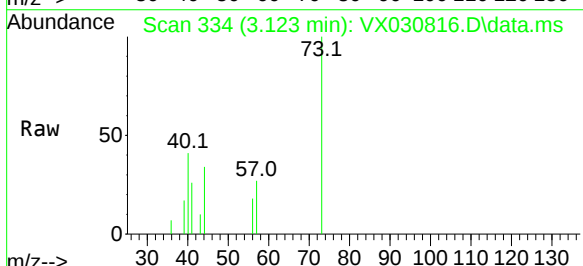
Acq: 26 Aug 2022 11:54

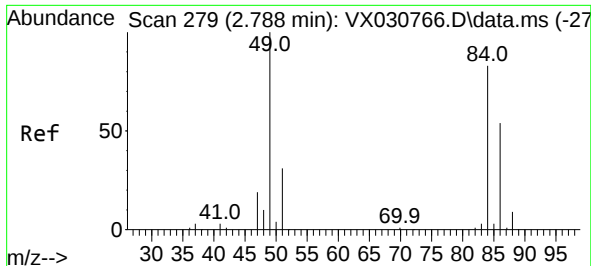
Tgt Ion: 73 Resp: 1808

Ion Ratio Lower Upper

73 100

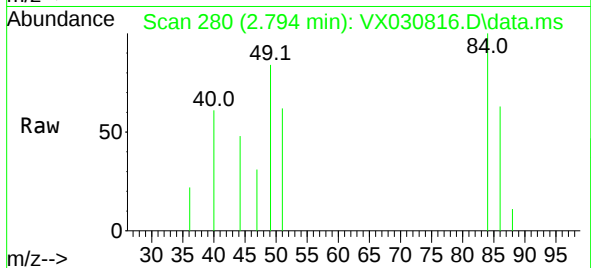
57 26.9 19.0 28.6



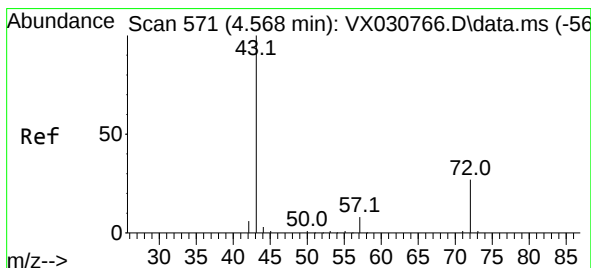
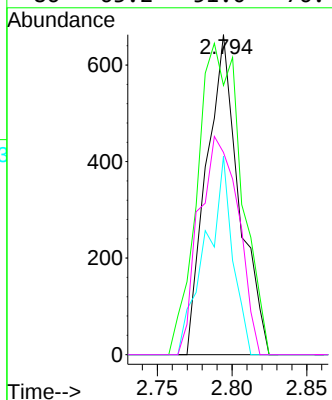
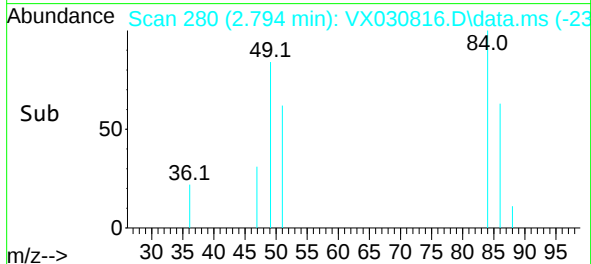


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

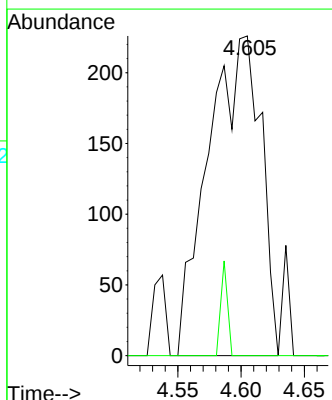
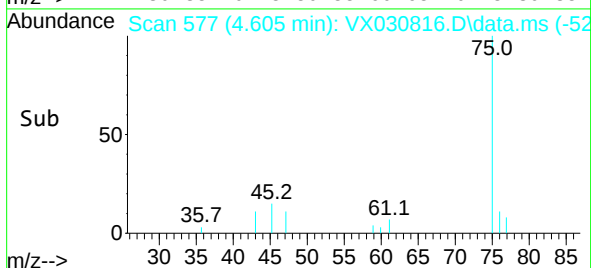
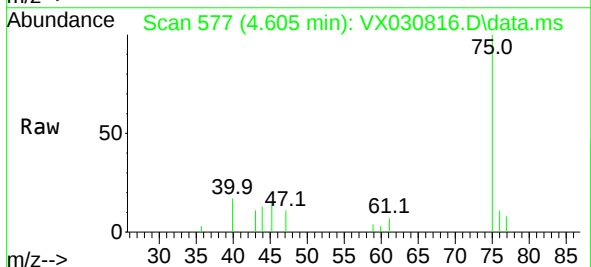


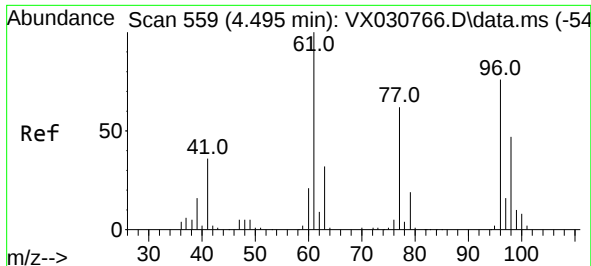
Tgt Ion:	84	Resp:	1006
Ion	Ratio	Lower	Upper
84	100		
49	84.2	93.8	140.6#
51	62.0	29.4	44.0#
86	63.2	51.0	76.4



#25
2-Butanone
Concen: 0.325 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.037 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion:	43	Resp:	656
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#27

cis-1,2-Dichloroethene

Concen: 5.322 ug/l

RT: 4.501 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816DL

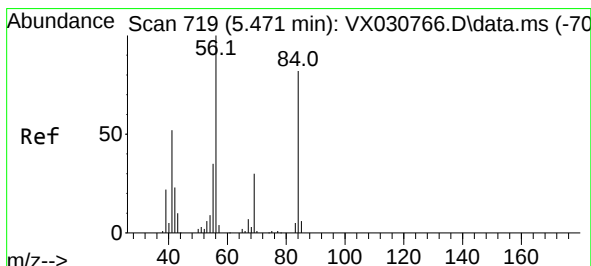
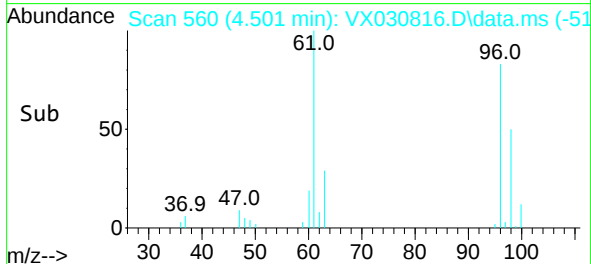
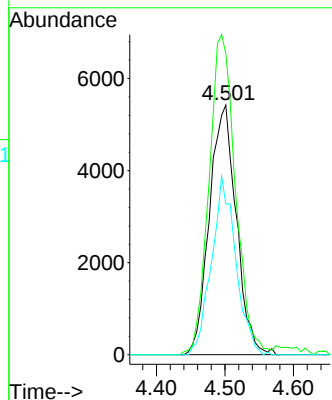
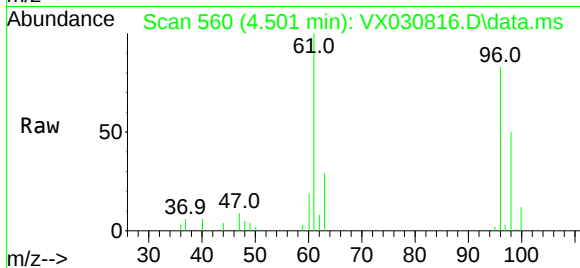
Tgt Ion: 96 Resp: 14760

Ion Ratio Lower Upper

96 100

61 126.5 0.0 270.0

98 64.7 0.0 127.8



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

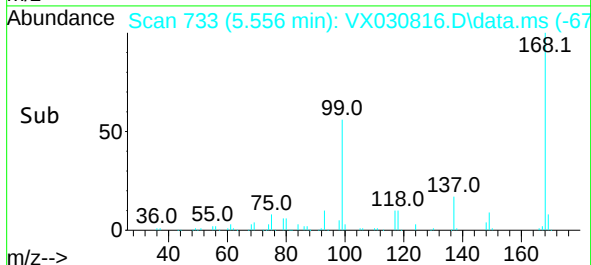
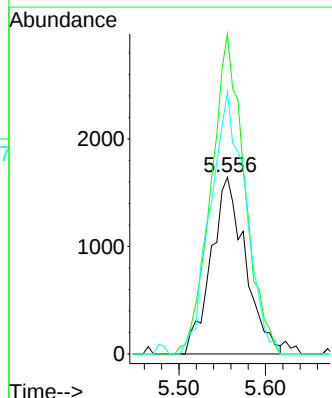
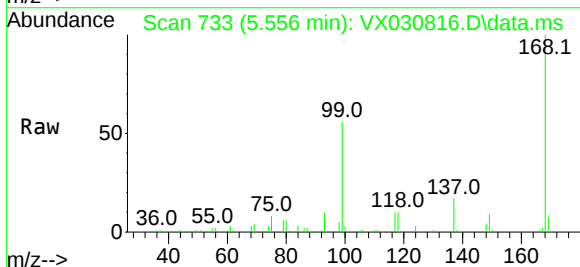
Tgt Ion: 56 Resp: 4500

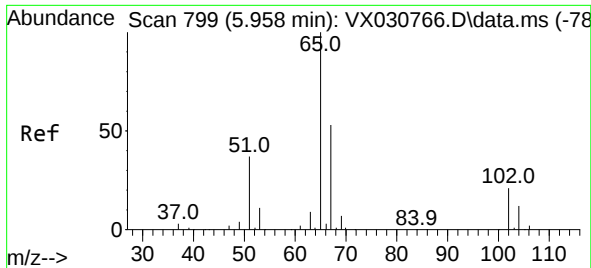
Ion Ratio Lower Upper

56 100

69 181.1 25.4 38.0#

84 148.4 68.9 103.3#

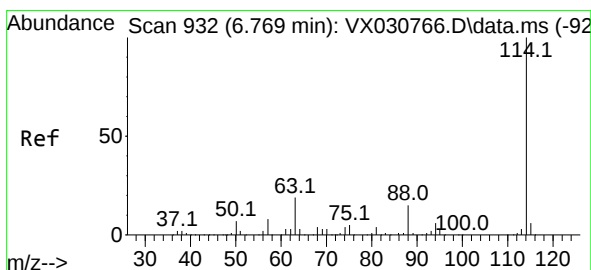
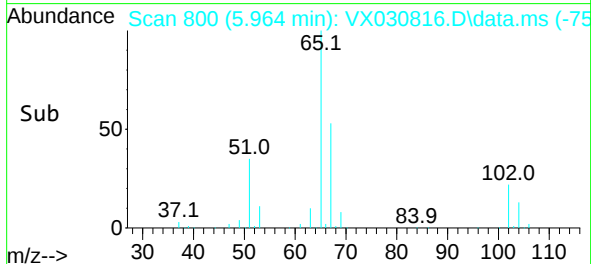
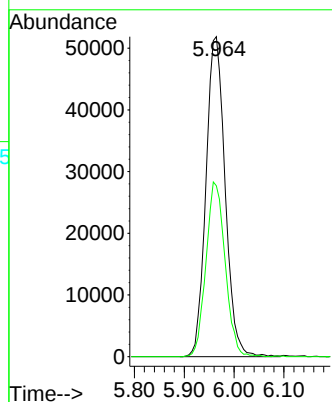
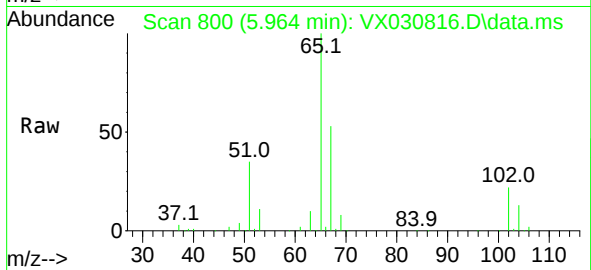




#33
1,2-Dichloroethane-d4
Concen: 51.048 ug/l
RT: 5.964 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

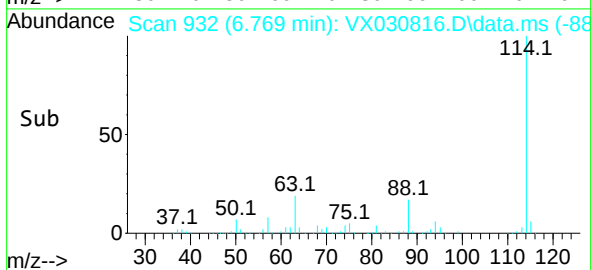
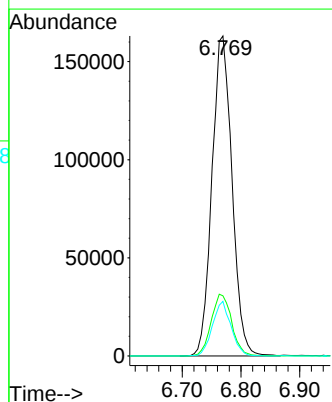
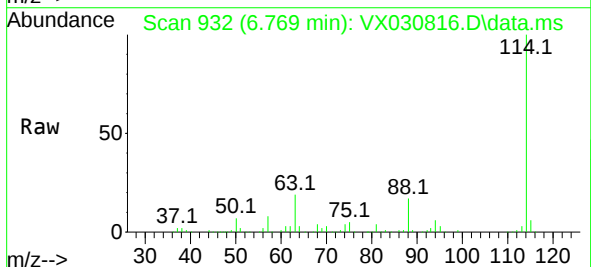
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

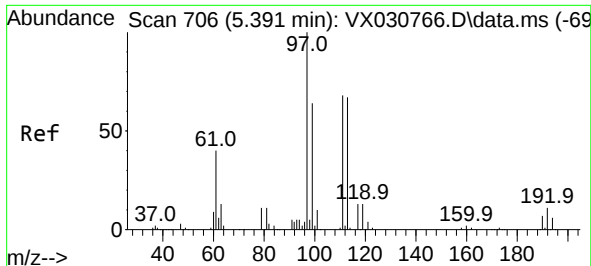
Tgt Ion: 65 Resp: 138431
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 114 Resp: 386602
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 17.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816DL

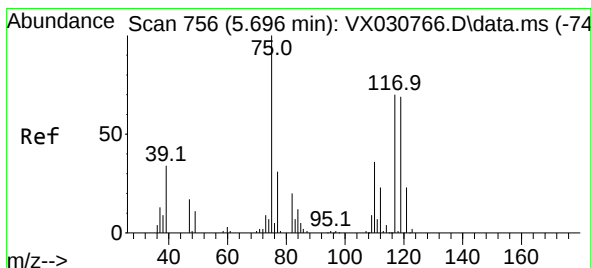
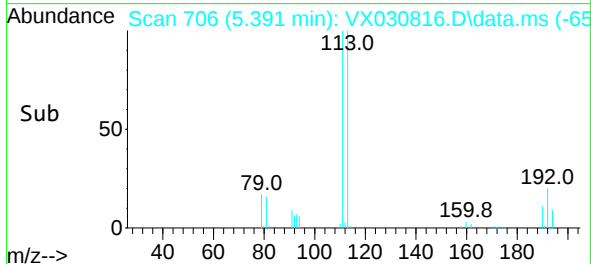
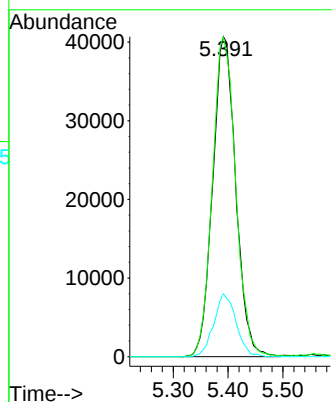
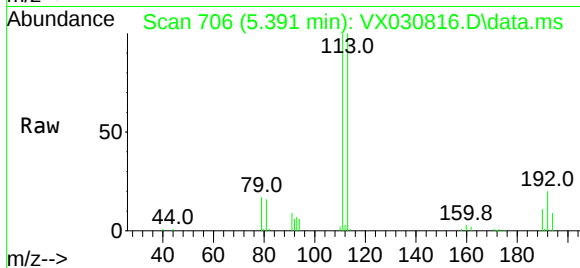
Tgt Ion:113 Resp: 118662

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.455 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

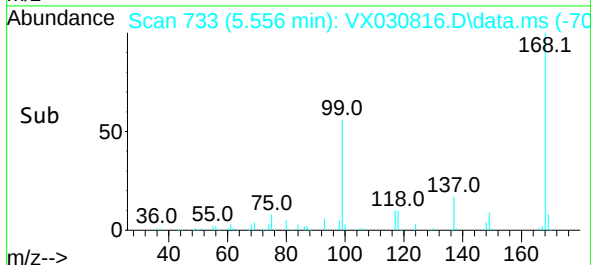
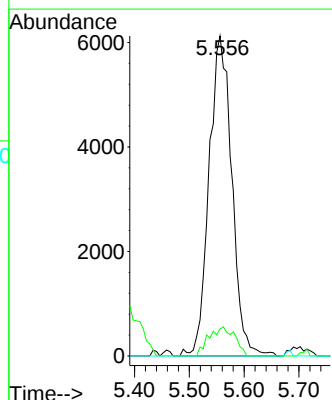
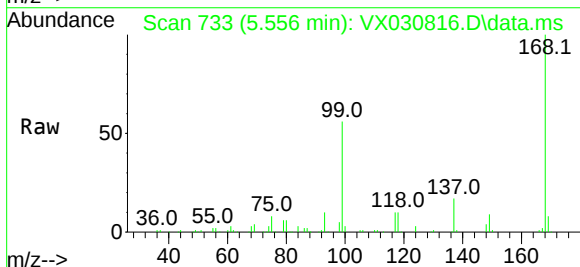
Tgt Ion: 75 Resp: 17648

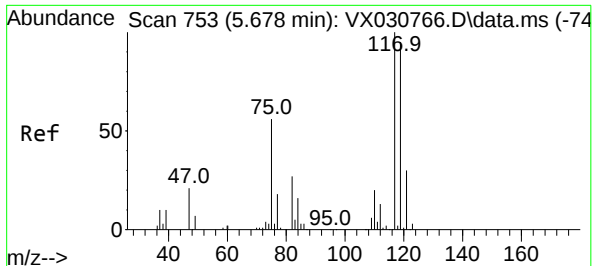
Ion Ratio Lower Upper

75 100

110 10.3 19.3 57.9#

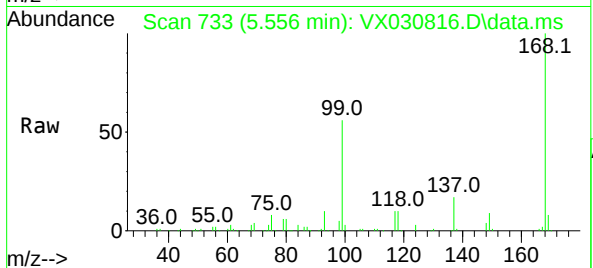
77 0.0 24.4 36.6#



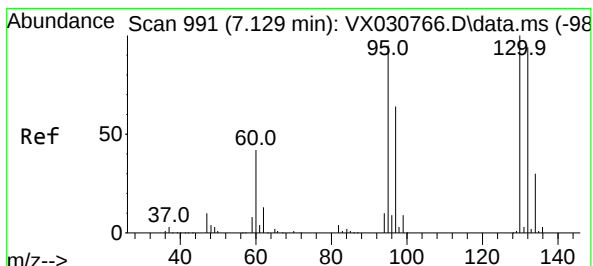
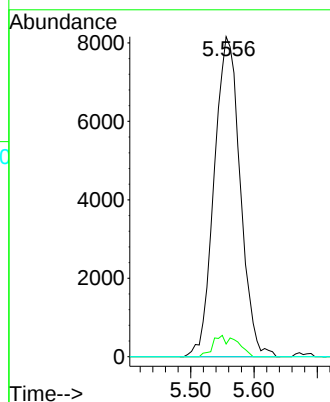
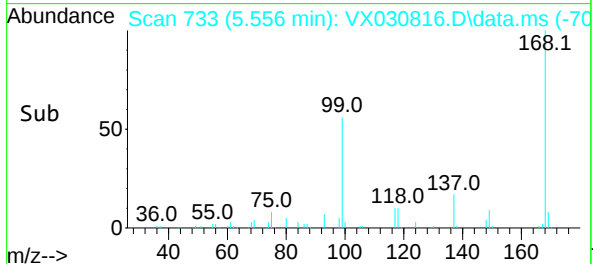


#38
Carbon Tetrachloride
Concen: 6.815 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

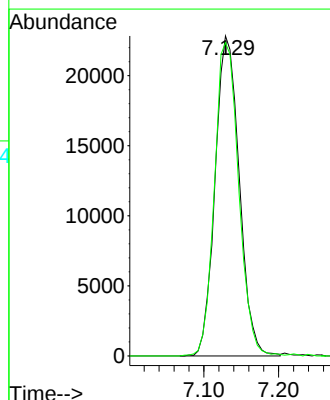
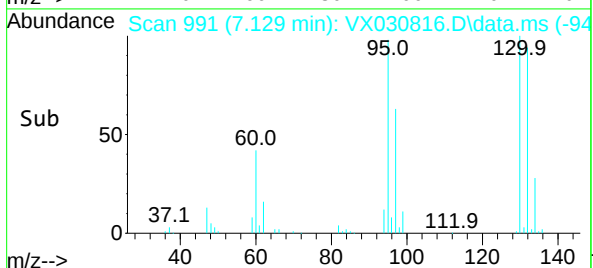
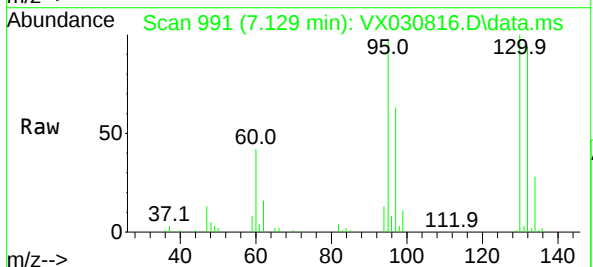


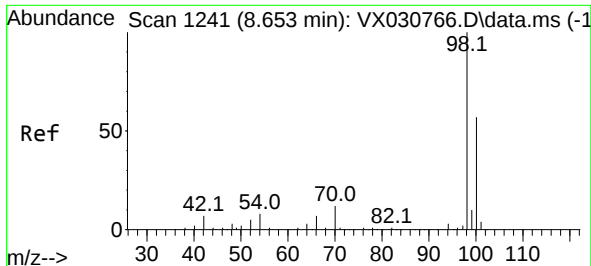
Tgt Ion:117 Resp: 23257
Ion Ratio Lower Upper
117 100
119 3.9 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 18.368 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion:130 Resp: 51367
Ion Ratio Lower Upper
130 100
95 97.9 0.0 194.8

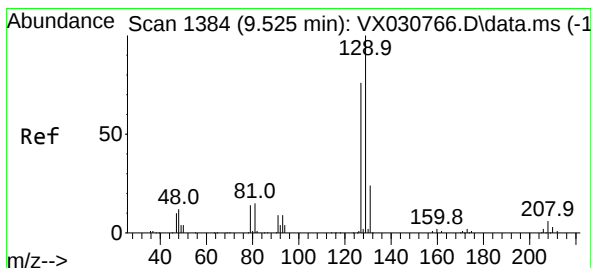
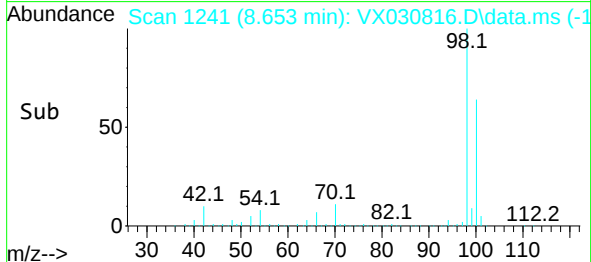
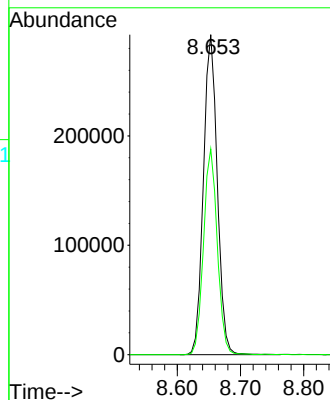
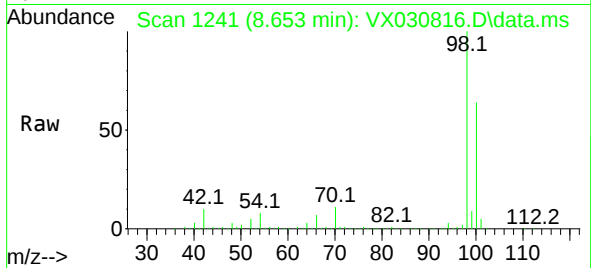




#50
Toluene-d8
Concen: 54.014 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

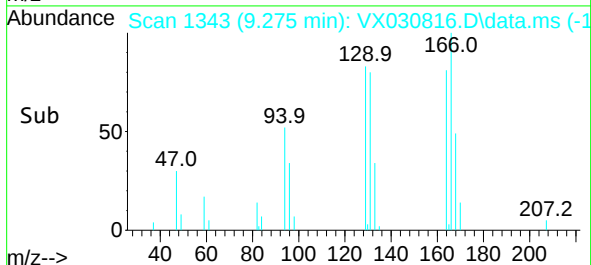
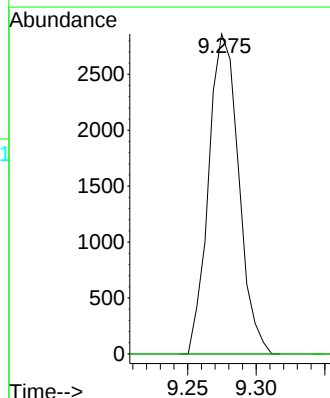
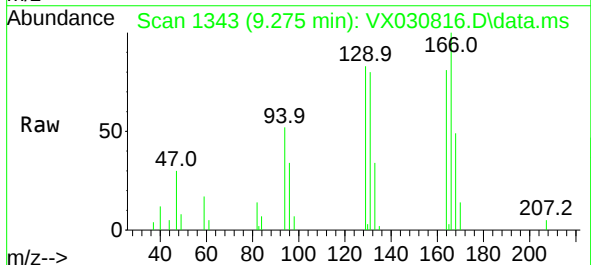
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

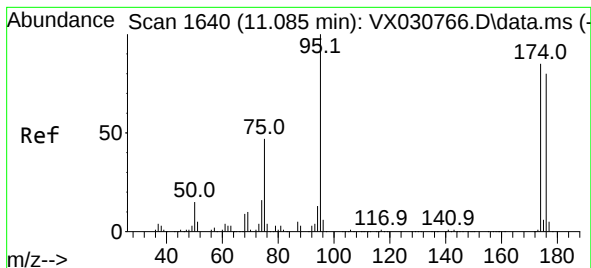
Tgt Ion: 98 Resp: 447207
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#60
Dibromochloromethane
Concen: 1.558 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion:129 Resp: 4362
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

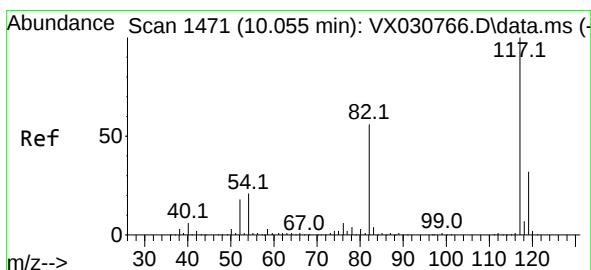
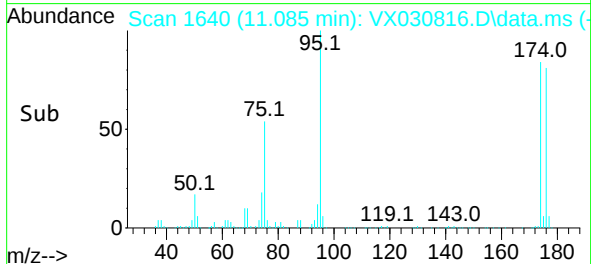
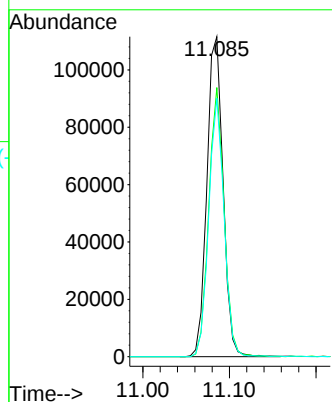
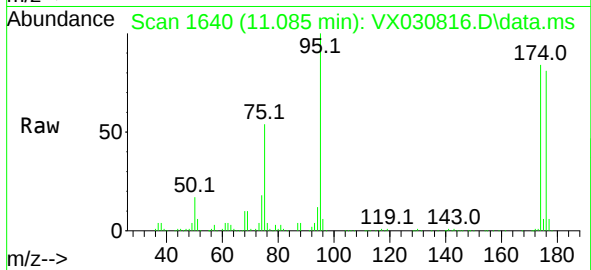




#62
4-Bromofluorobenzene
Concen: 46.881 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

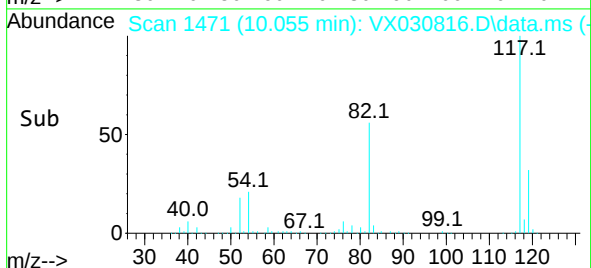
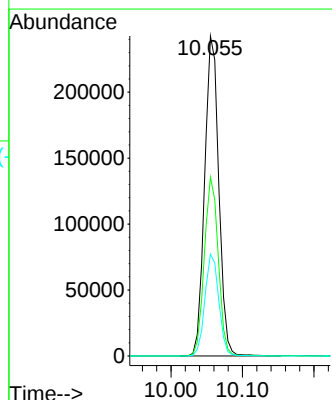
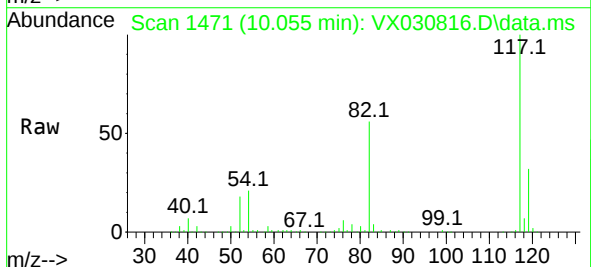
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

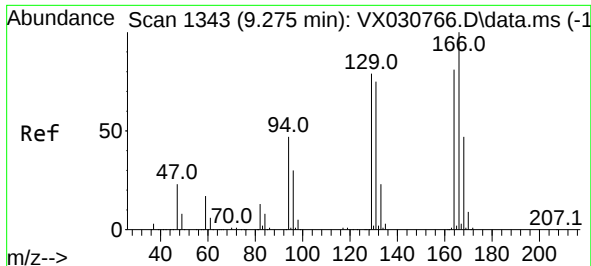
Tgt Ion: 95 Resp: 144508
Ion Ratio Lower Upper
95 100
174 79.8 0.0 149.0
176 76.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 117 Resp: 333387
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 31.8 25.4 38.2

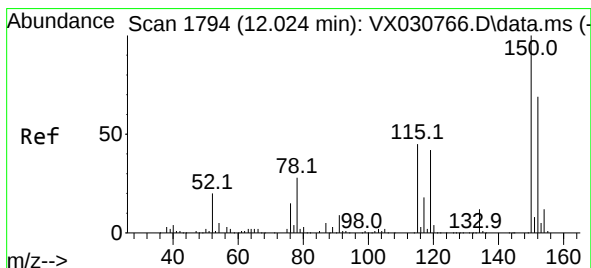
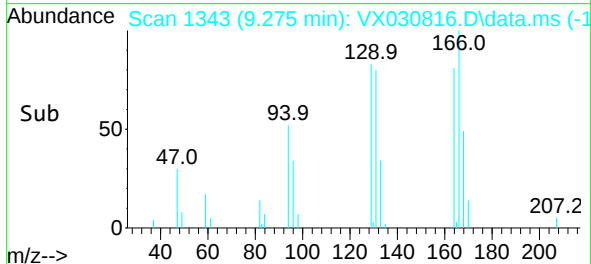
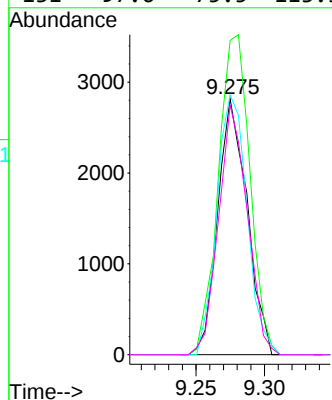
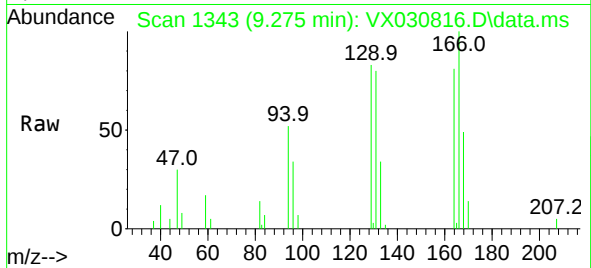




#64
Tetrachloroethene
Concen: 1.597 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

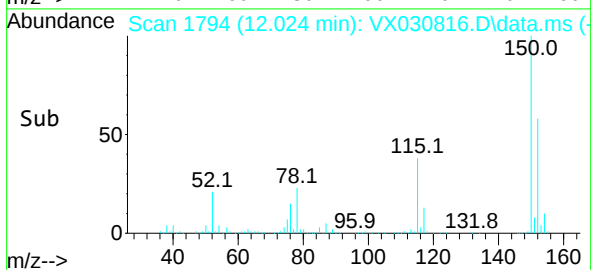
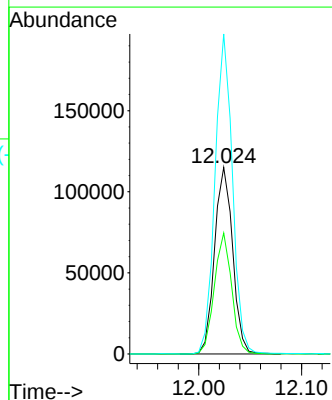
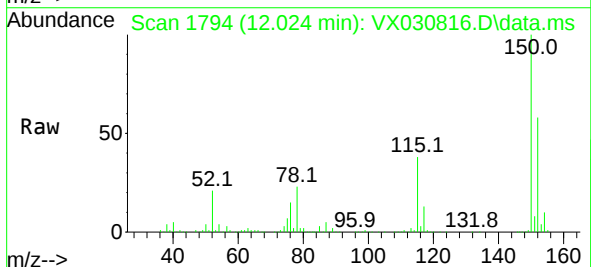
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

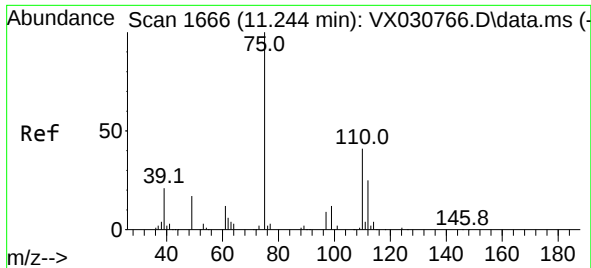
Tgt	Ion:164	Resp:	4193
Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.2	147.4
129	101.6	80.8	121.2
131	97.6	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion:152	Resp:	140388	
Ion	Ratio	Lower	Upper
152	100		
115	62.1	40.5	121.5
150	165.4	0.0	347.0

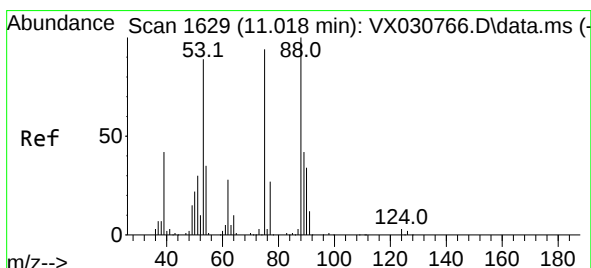
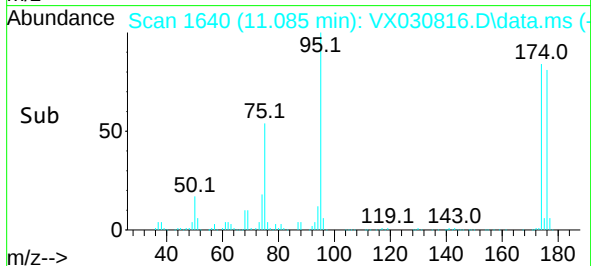
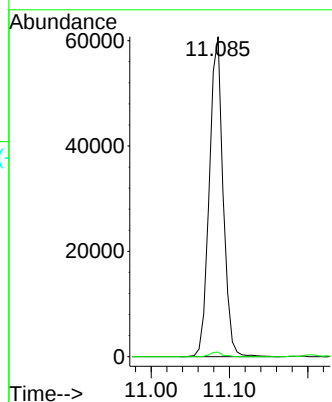
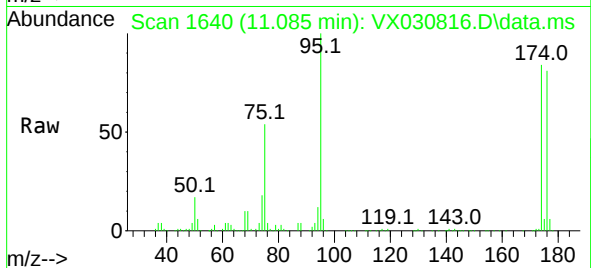




#76
1,2,3-Trichloropropane
Concen: 24.011 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

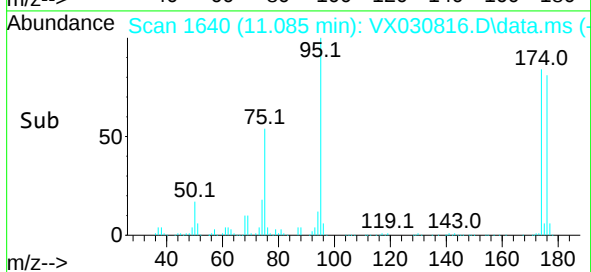
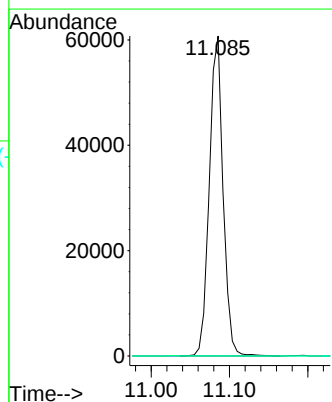
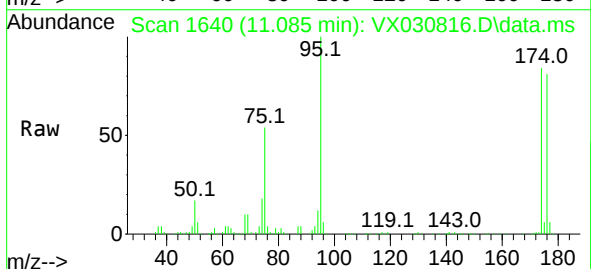
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

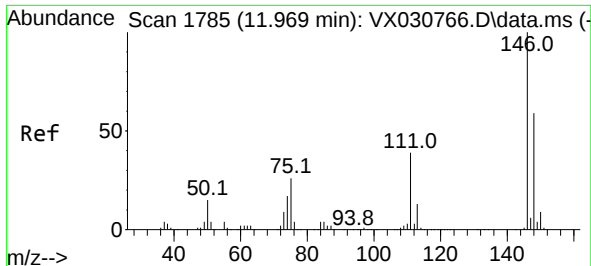
Tgt Ion: 75 Resp: 73852
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.471 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

Tgt Ion: 75 Resp: 73852
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#87

1,3-Dichlorobenzene

Concen: 0.202 ug/l

RT: 11.969 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816DL

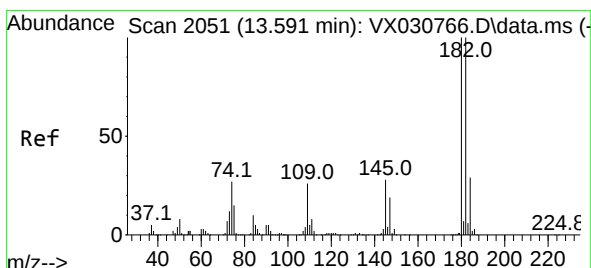
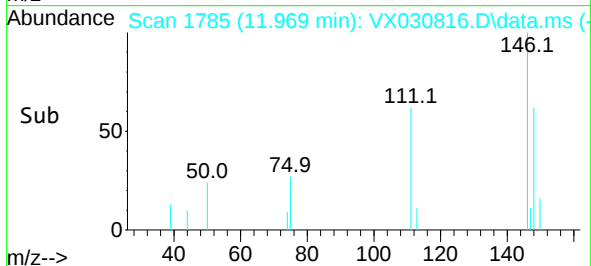
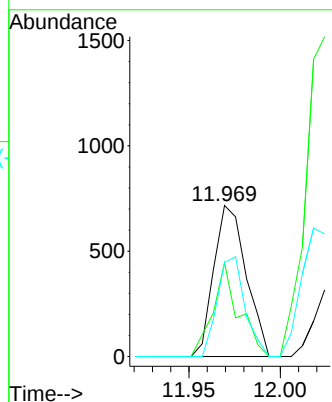
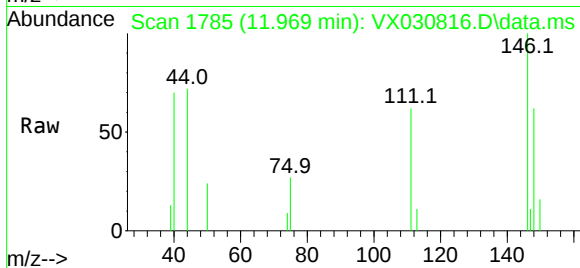
Tgt Ion:146 Resp: 883

Ion Ratio Lower Upper

146 100

111 49.7 20.3 60.8

148 56.4 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.326 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.006 min

Lab File: VX030816.D

Acq: 26 Aug 2022 11:54

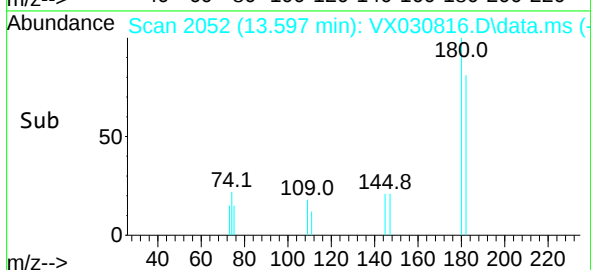
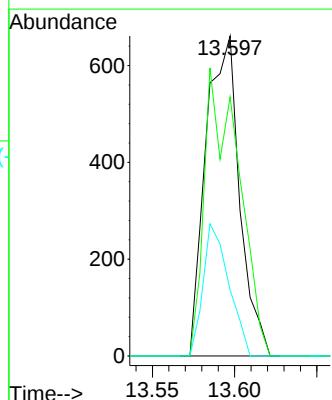
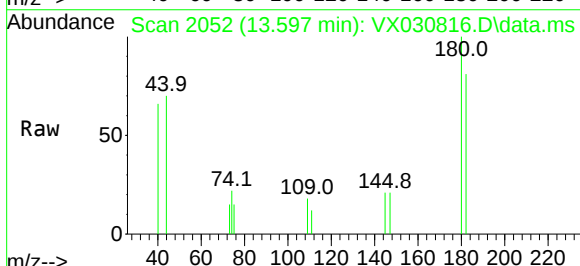
Tgt Ion:180 Resp: 937

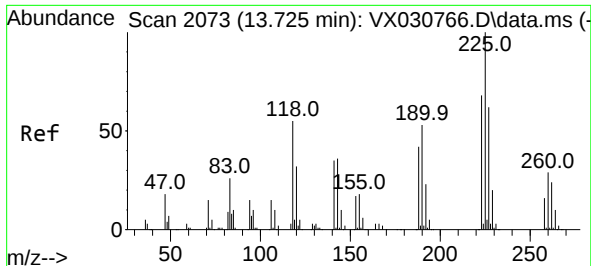
Ion Ratio Lower Upper

180 100

182 91.9 48.2 144.6

145 31.5 15.9 47.6

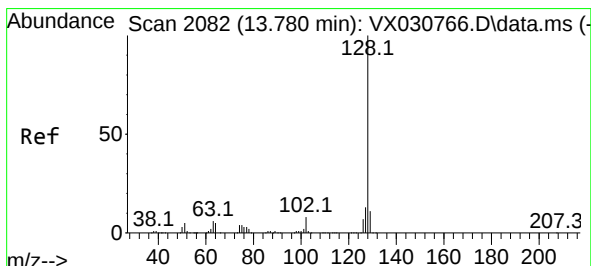
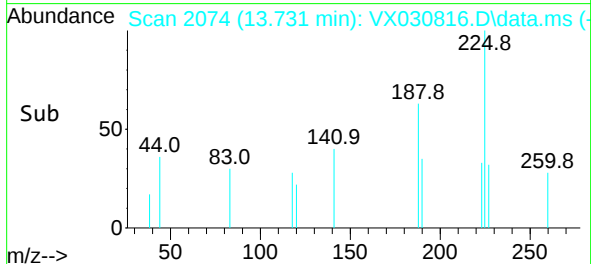
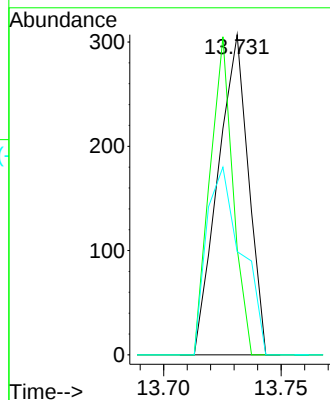
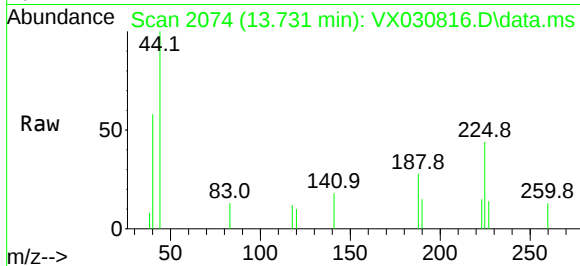




#94
Hexachlorobutadiene
Concen: 0.231 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

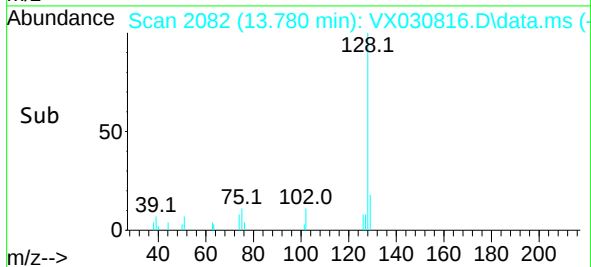
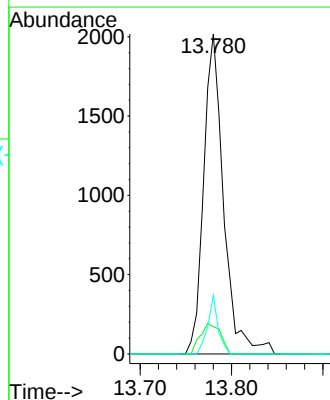
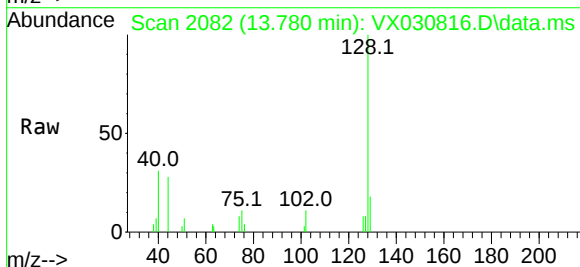
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816DL

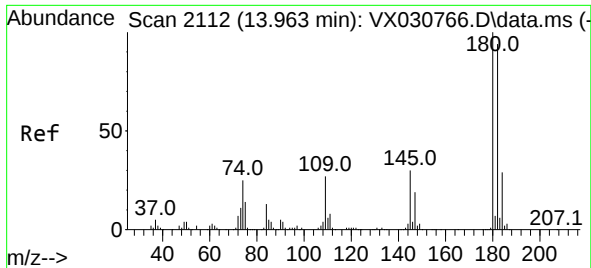
Tgt Ion	Ratio	Lower	Upper
225	100		
223	75.1	30.6	91.6
227	67.5	31.9	95.9



#95
Naphthalene
Concen: 0.305 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030816.D
Acq: 26 Aug 2022 11:54

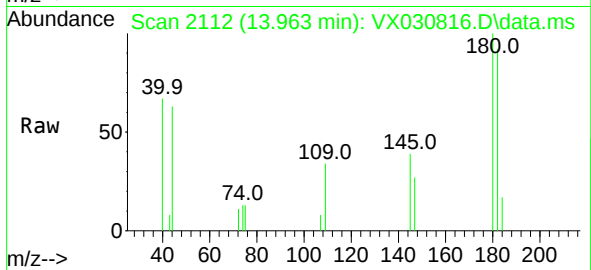
Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.2#
129	9.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.333 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX030816.D
 Acq: 26 Aug 2022 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816DL



Tgt Ion:	180	Resp:	1012
Ion	Ratio	Lower	Upper
180	100		
182	75.7	47.0	141.0
145	43.0	17.0	50.9

