

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030782.D
 Acq On : 25 Aug 2022 19:33
 Operator : JC/MD
 Sample : N4245-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816

Quant Time: Aug 26 02:41:46 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)

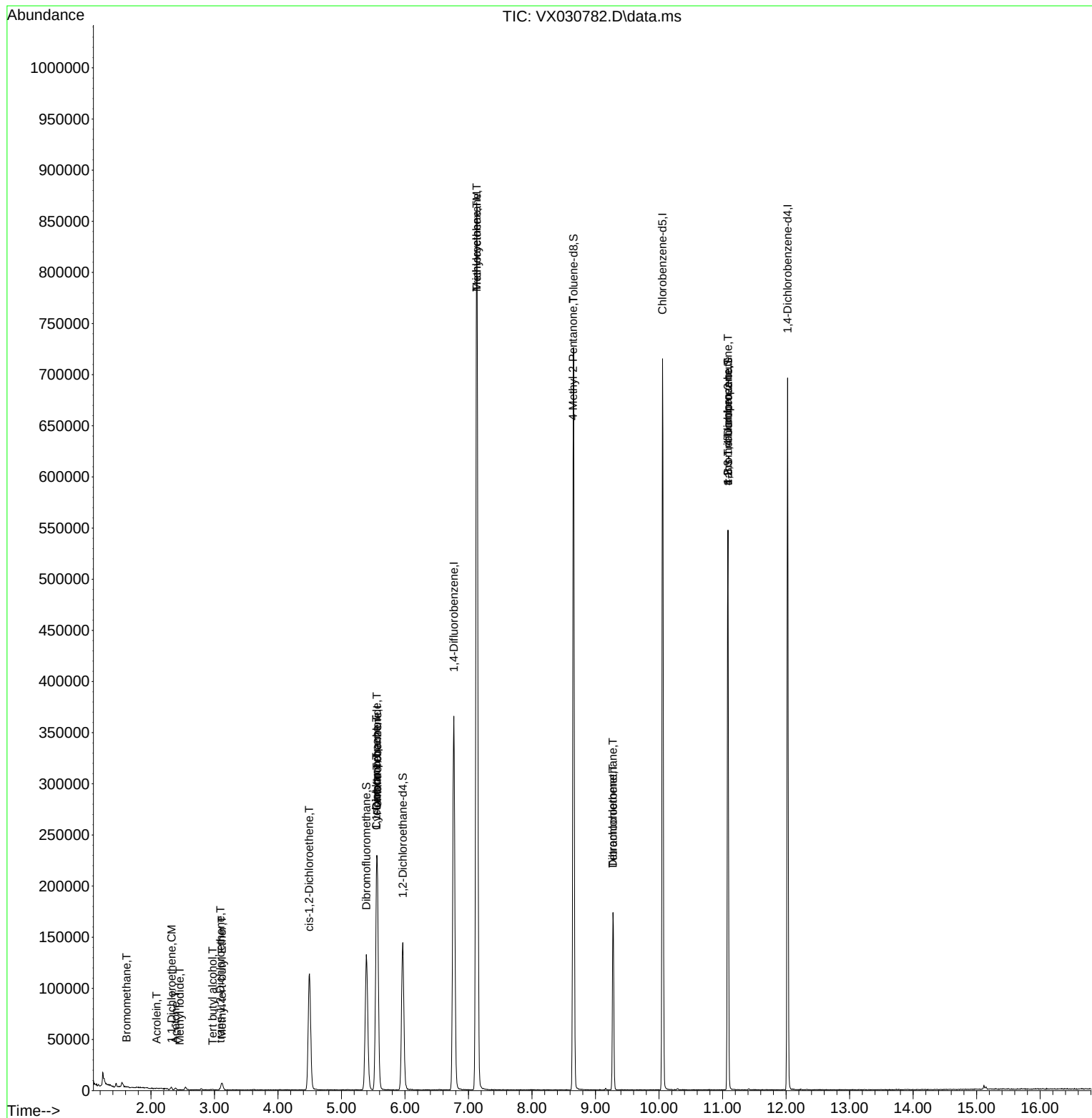
Internal Standards						
1) Pentafluorobenzene	5.562	168	224651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	384927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134652	50.956	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	=	101.920%	
35) Dibromofluoromethane	5.391	113	117734	49.767	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	99.540%	
50) Toluene-d8	8.653	98	437159	53.030	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	=	106.060%	
62) 4-Bromofluorobenzene	11.085	95	148352	48.337	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	96.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	386	Below Cal	#	42
4) Vinyl Chloride	1.551	62	21	Below Cal	#	65
5) Bromomethane	1.618	94	287	0.274	ug/l #	59
6) Chloroethane	1.691	64	31	Below Cal	#	41
10) Methyl Iodide	2.453	142	62	4.061	ug/l #	45
11) Tert butyl alcohol	2.971	59	757	1.320	ug/l #	74
12) 1,1-Dichloroethene	2.325	96	800	0.393	ug/l	86
13) Acrolein	2.087	56	61	10.168	ug/l #	58
16) Acetone	2.386	43	1567	1.283	ug/l #	79
17) Carbon Disulfide	2.508	76	241	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	6949	0.985	ug/l #	86
20) Methylene Chloride	2.788	84	524	Below Cal	#	76
21) trans-1,2-Dichloroethene	3.093	96	741	0.339	ug/l #	78
27) cis-1,2-Dichloroethene	4.489	96	77199	28.566	ug/l	91
31) Cyclohexane	5.550	56	4368	1.293	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17236	5.350	ug/l #	49
38) Carbon Tetrachloride	5.556	117	23240	6.839	ug/l #	17
39) Methylcyclohexane	7.129	83	3849	0.998	ug/l #	1
44) Trichloroethene	7.129	130	346711	124.515	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1943	0.501	ug/l #	1
60) Dibromochloromethane	9.275	129	32690	11.726	ug/l #	11
64) Tetrachloroethene	9.275	164	33987	12.936	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	72730	23.066	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72730	74.422	ug/l #	13

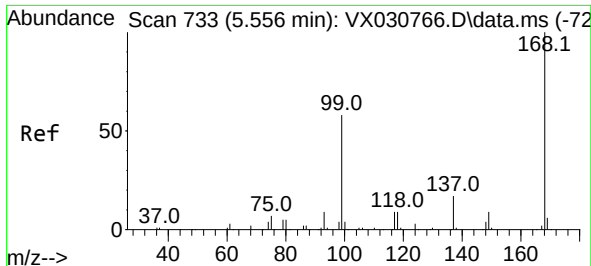
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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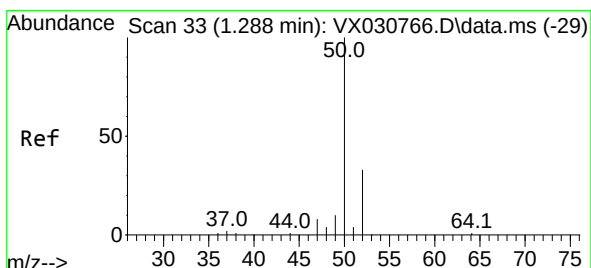
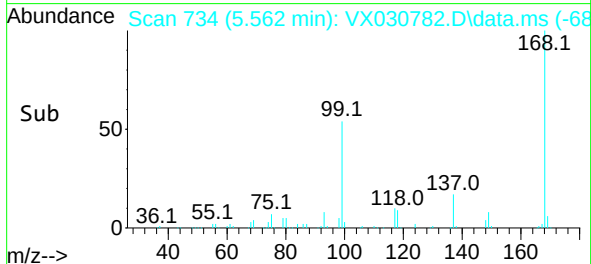
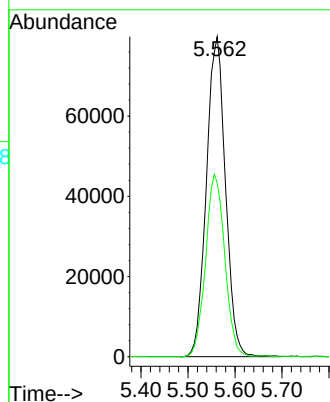
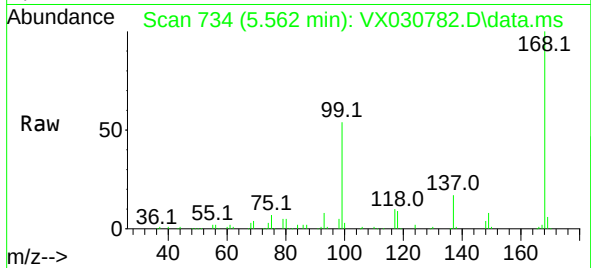




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

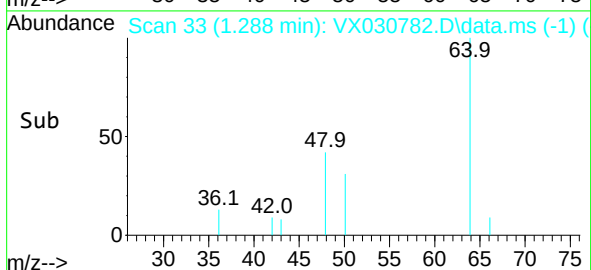
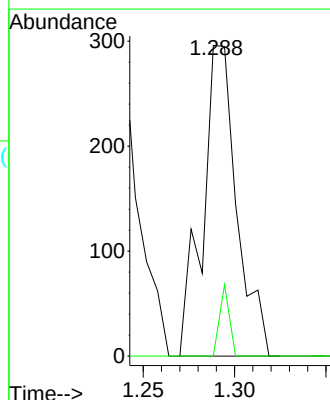
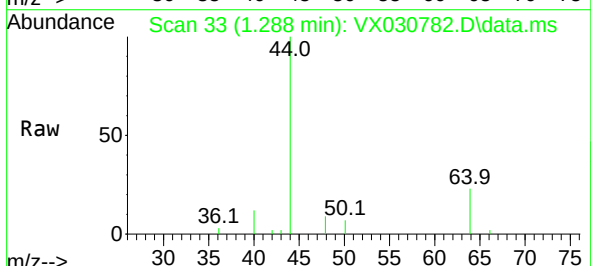
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

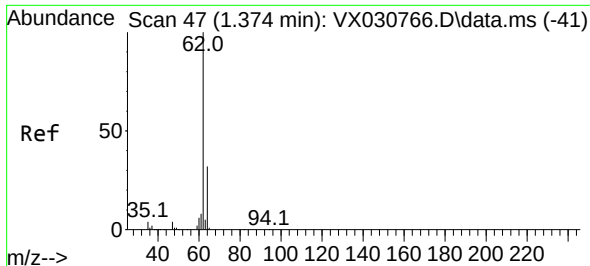
Tgt Ion:168 Resp: 224651
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

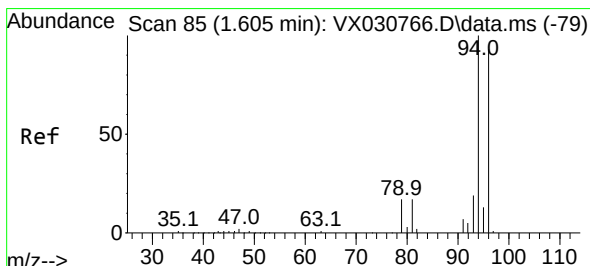
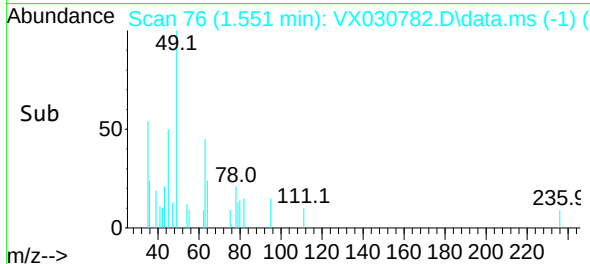
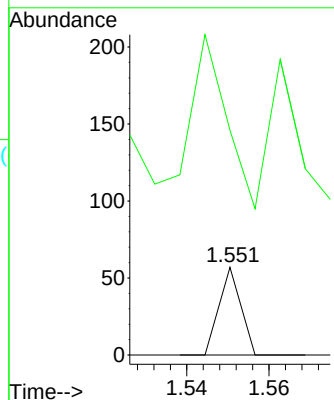
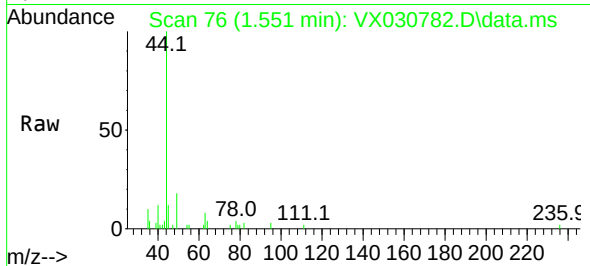




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.551 min Scan# 70
 Delta R.T. 0.176 min
 Lab File: VX030782.D
 Acq: 25 Aug 2022 19:33

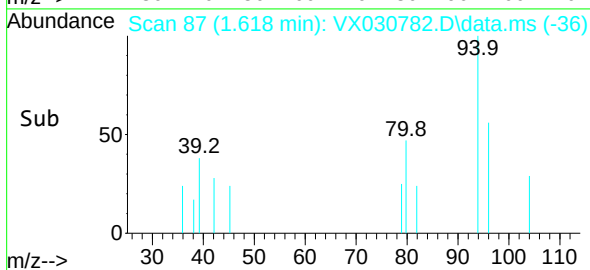
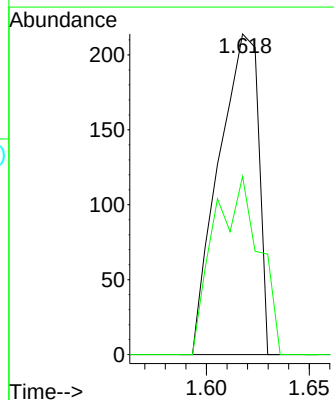
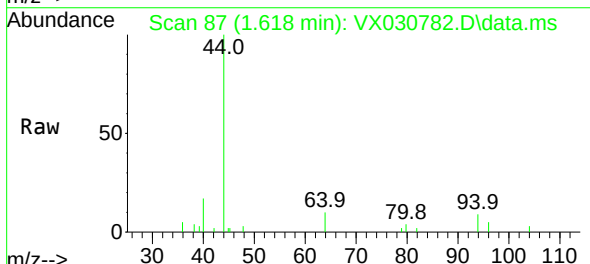
Instrument :
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 ClientSampleId :
 MW179D-20220816

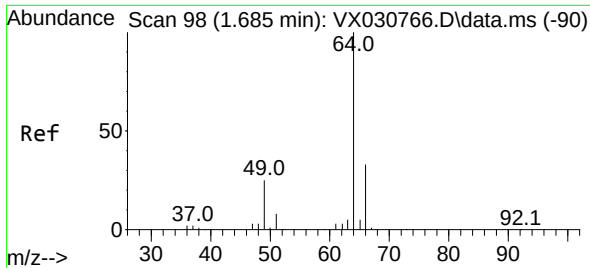
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 50.9 25.2 37.8#



#5
 Bromomethane
 Concen: 0.274 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030782.D
 Acq: 25 Aug 2022 19:33

Tgt Ion: 94 Resp: 287
 Ion Ratio Lower Upper
 94 100
 96 55.6 76.9 115.3#

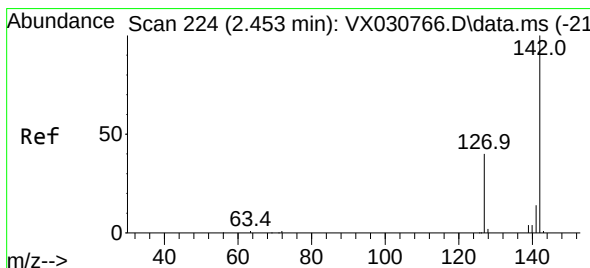
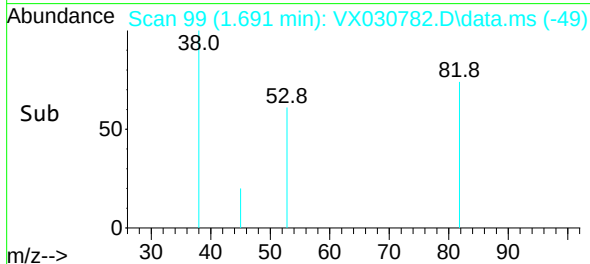
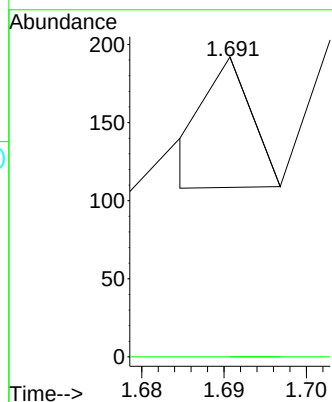
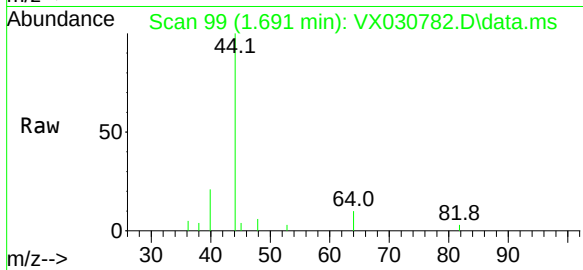




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

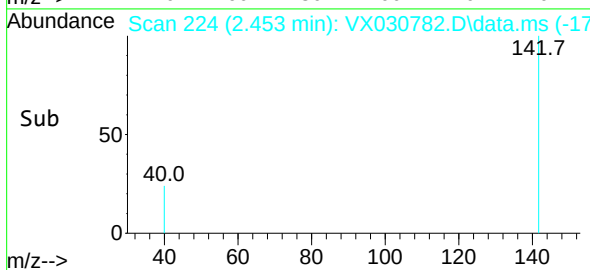
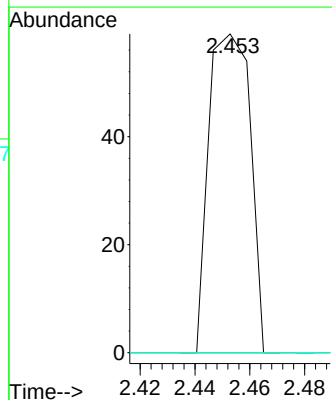
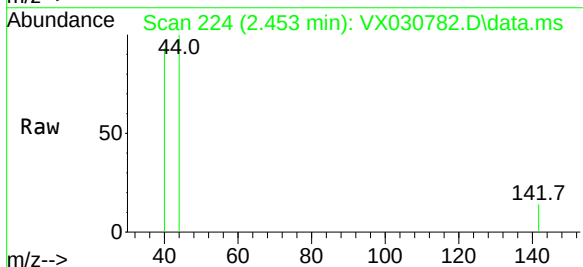
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

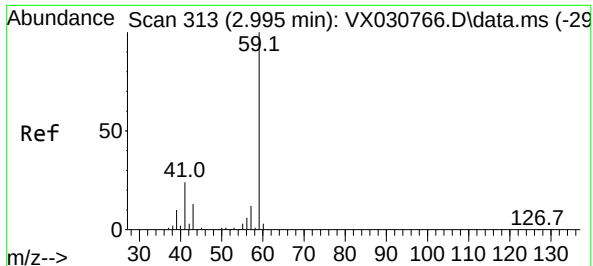
Tgt Ion: 64 Resp: 31
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.061 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.320 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.025 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

Instrument :

MSVOA_X

ClientSampleId :

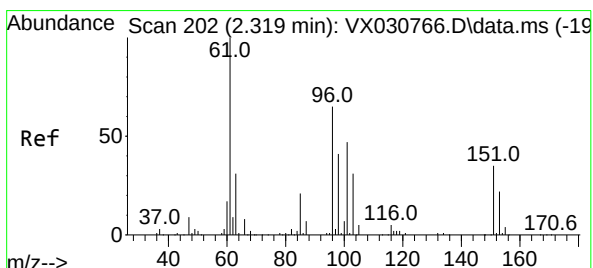
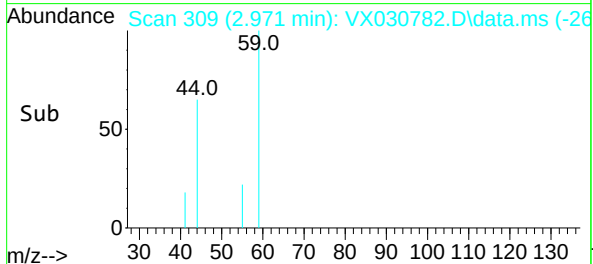
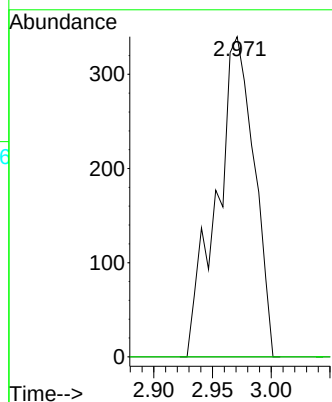
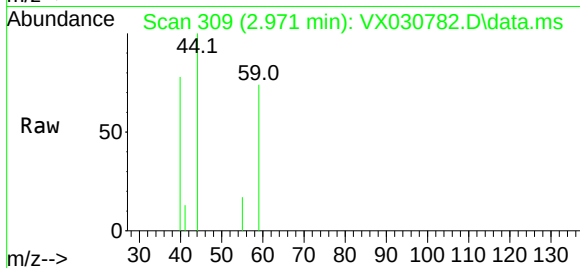
MW179D-20220816

Tgt Ion: 59 Resp: 757

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.393 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

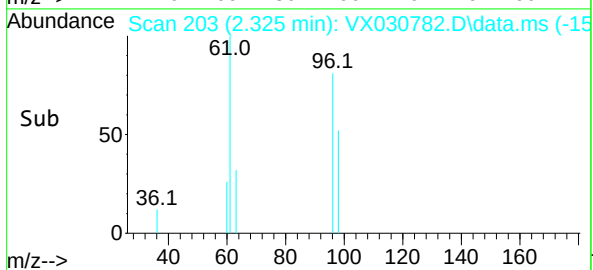
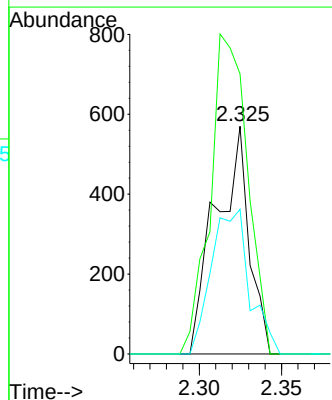
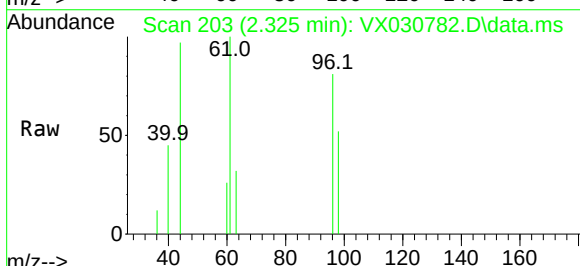
Tgt Ion: 96 Resp: 800

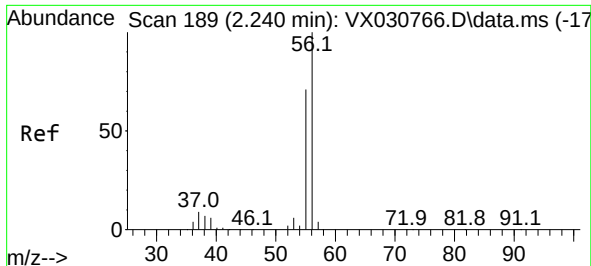
Ion Ratio Lower Upper

96 100

61 123.0 117.4 176.0

98 63.5 52.2 78.4

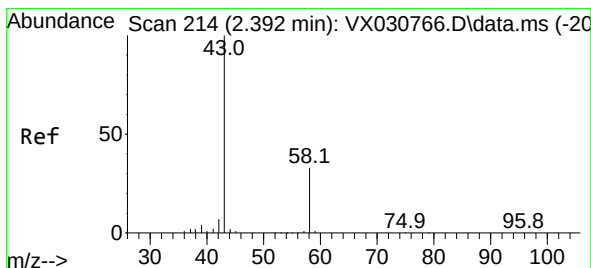
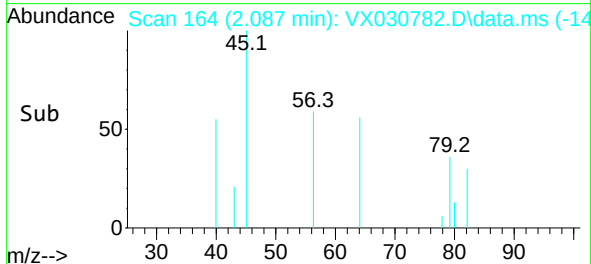
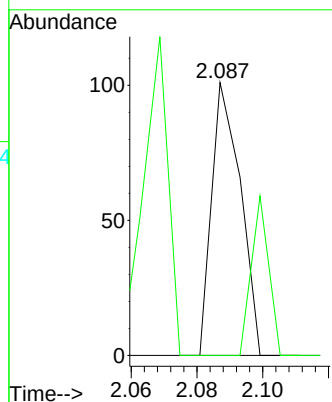
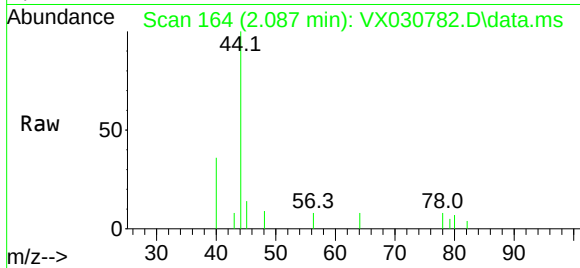




#13
Acrolein
Concen: 10.168 ug/l
RT: 2.087 min Scan# 11
Delta R.T. -0.153 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

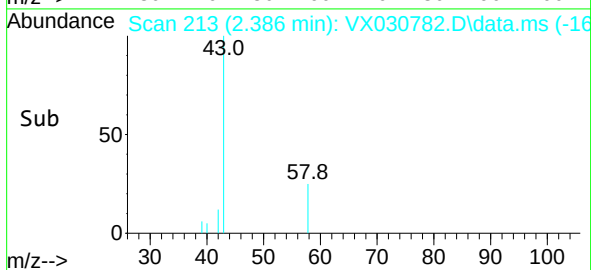
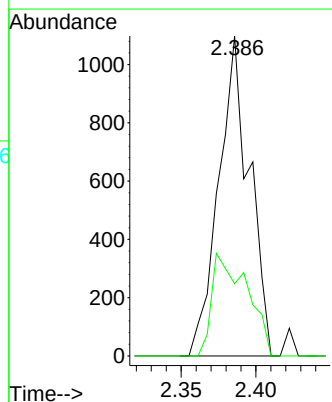
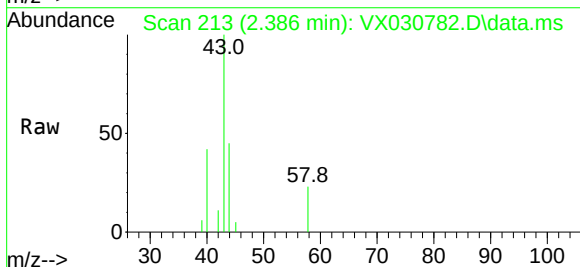
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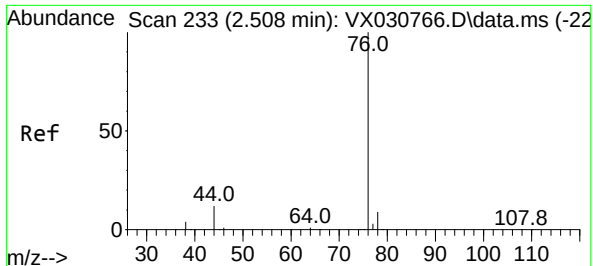
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 36.1 56.6 84.8#



#16
Acetone
Concen: 1.283 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
58 22.6 27.7 41.5#

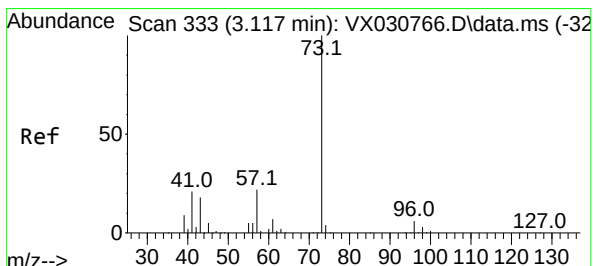
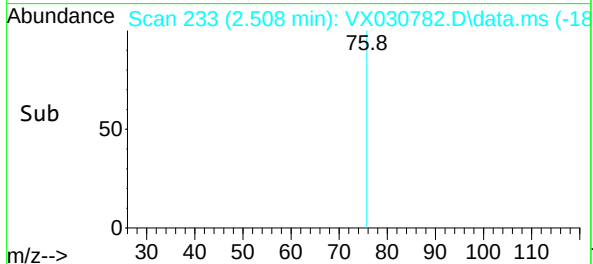
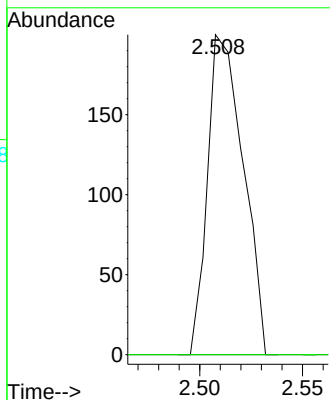
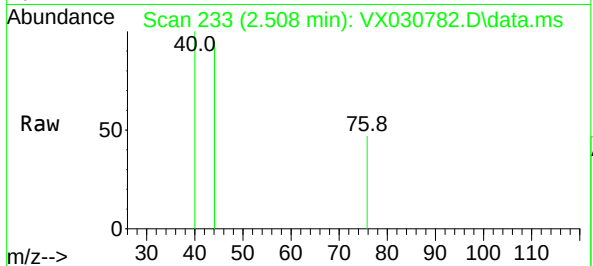




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

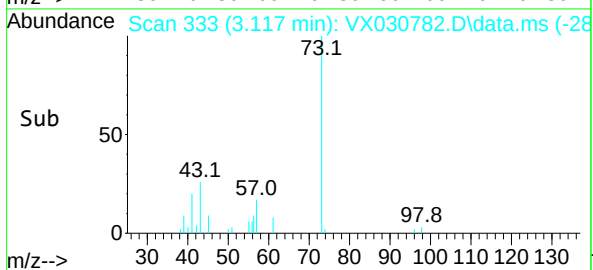
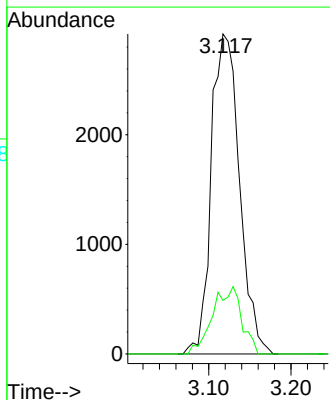
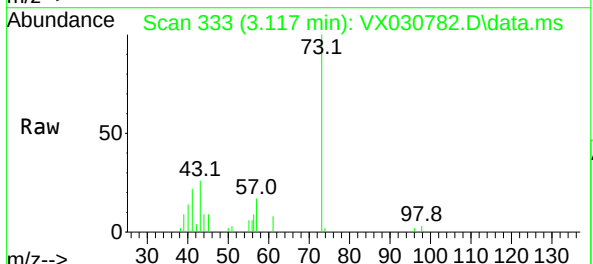
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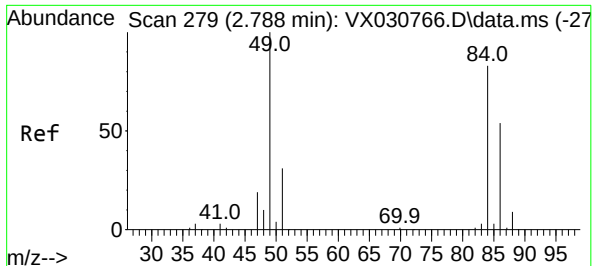
Tgt Ion: 76 Resp: 241
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#19
Methyl tert-butyl Ether
Concen: 0.985 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 73 Resp: 6949
Ion Ratio Lower Upper
73 100
57 16.8 19.0 28.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX030782.D

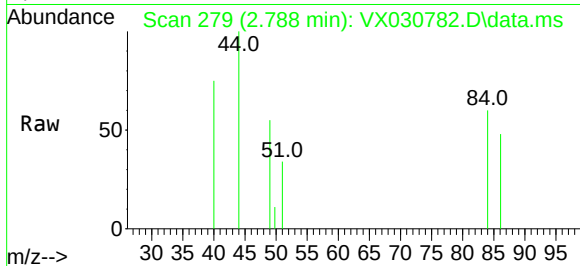
Acq: 25 Aug 2022 19:33

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816



Tgt Ion: 84 Resp: 524

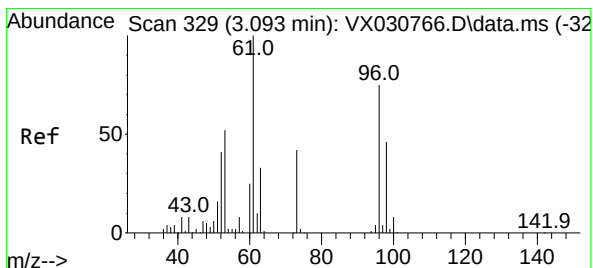
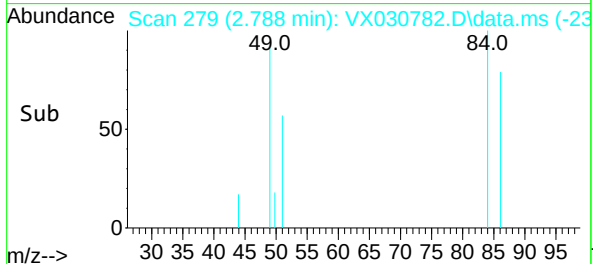
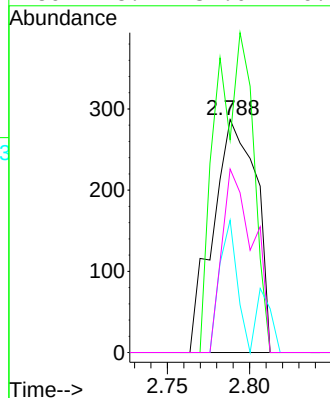
Ion Ratio Lower Upper

84 100

49 91.3 93.8 140.6#

51 56.8 29.4 44.0#

86 78.7 51.0 76.4#



#21

trans-1,2-Dichloroethene

Concen: 0.339 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

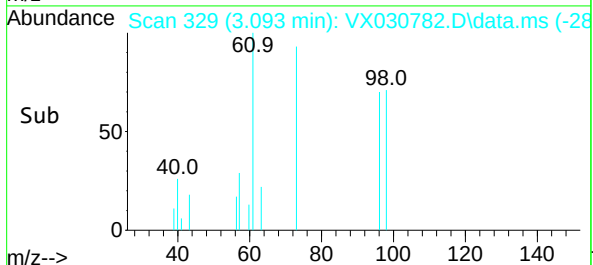
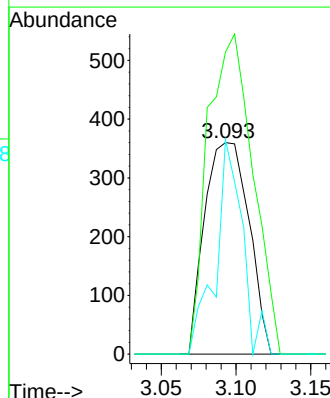
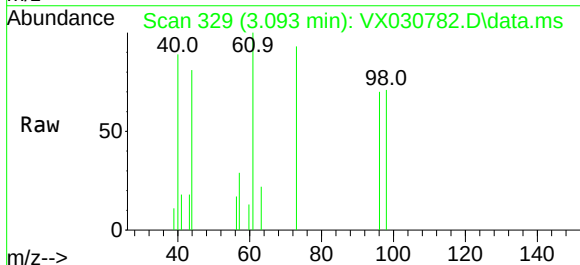
Tgt Ion: 96 Resp: 741

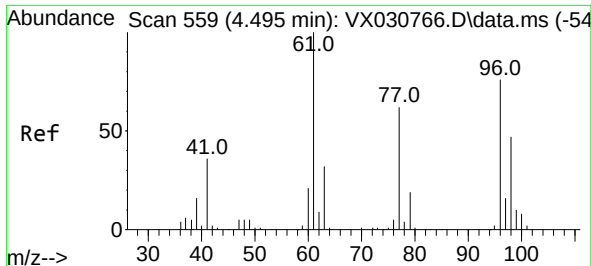
Ion Ratio Lower Upper

96 100

61 142.8 105.6 158.4

98 101.4 50.1 75.1#





#27

cis-1,2-Dichloroethene

Concen: 28.566 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816

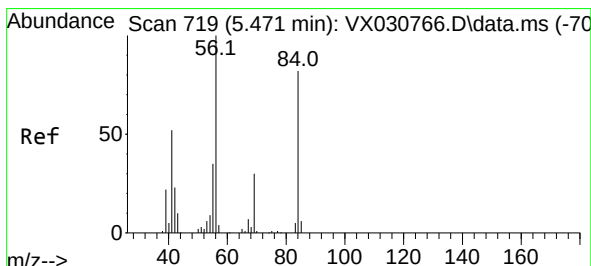
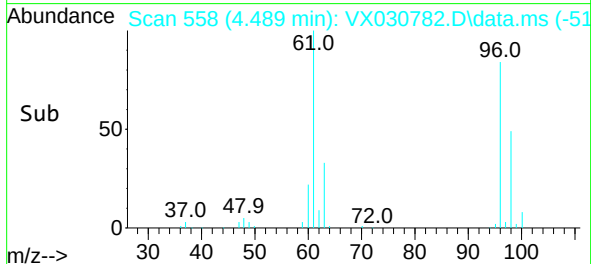
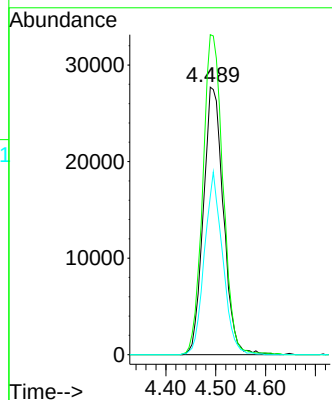
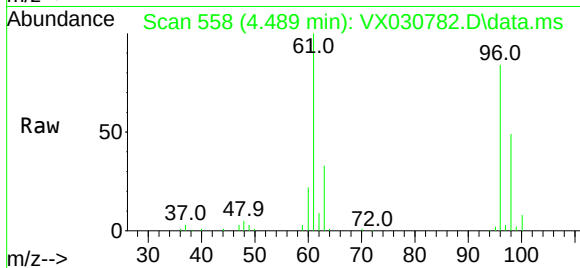
Tgt Ion: 96 Resp: 77199

Ion Ratio Lower Upper

96 100

61 120.6 0.0 270.0

98 62.3 0.0 127.8



#31

Cyclohexane

Concen: 1.293 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

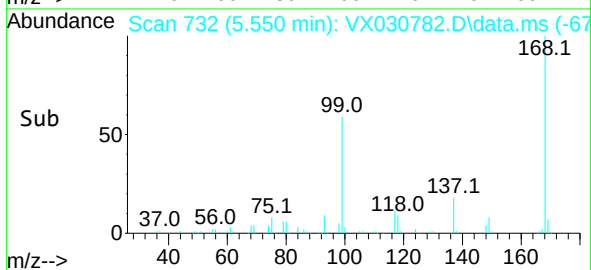
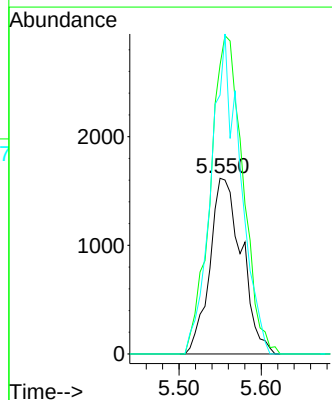
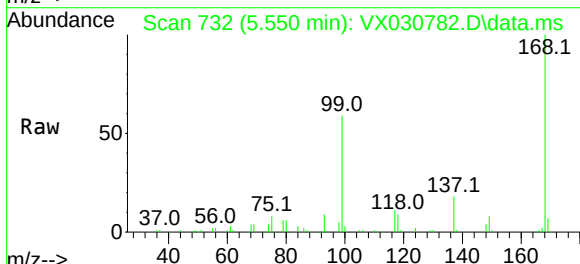
Tgt Ion: 56 Resp: 4368

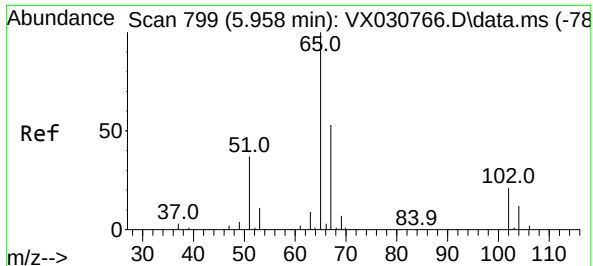
Ion Ratio Lower Upper

56 100

69 164.5 25.4 38.0#

84 147.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.956 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030782.D

Acq: 25 Aug 2022 19:33

Instrument :

MSVOA_X

ClientSampleId :

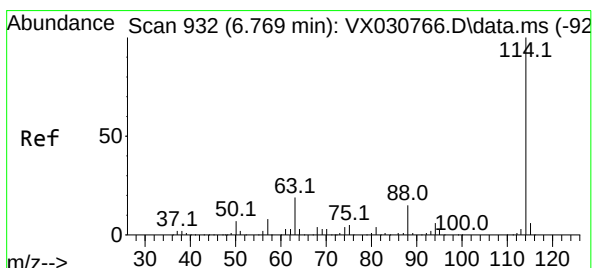
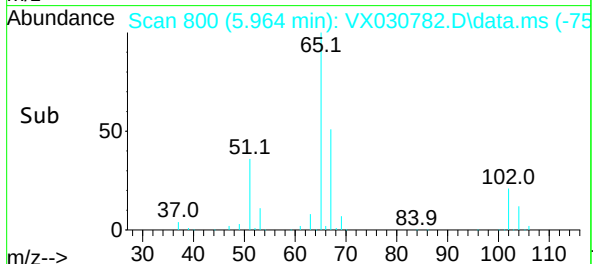
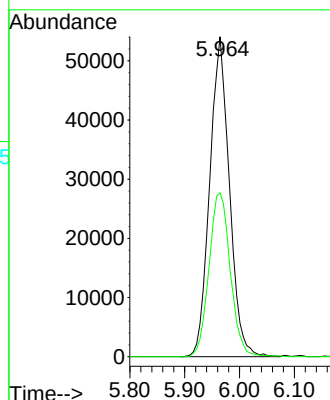
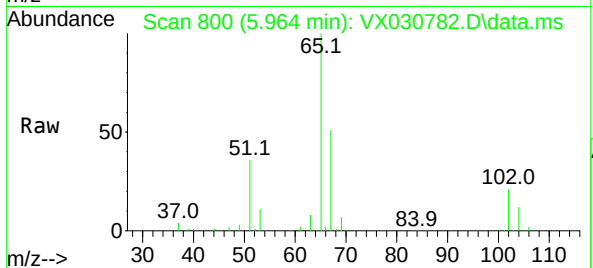
MW179D-20220816

Tgt Ion: 65 Resp: 134652

Ion Ratio Lower Upper

65 100

67 55.3 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: VX030782.D

Acq: 25 Aug 2022 19:33

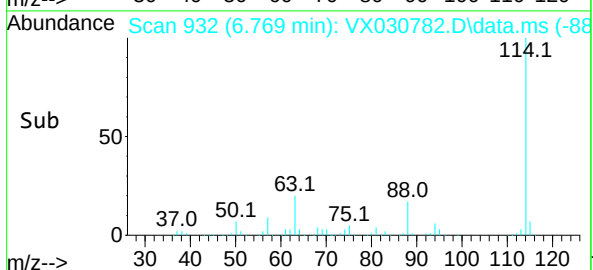
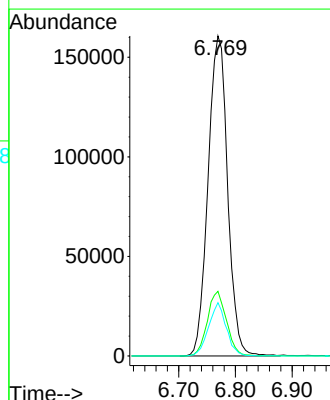
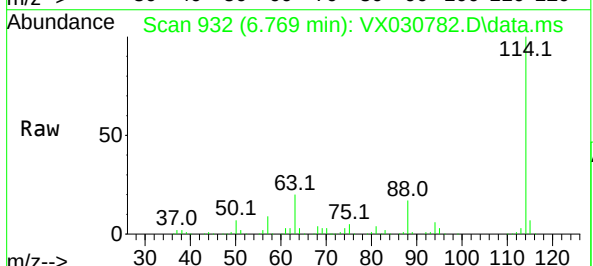
Tgt Ion: 114 Resp: 384927

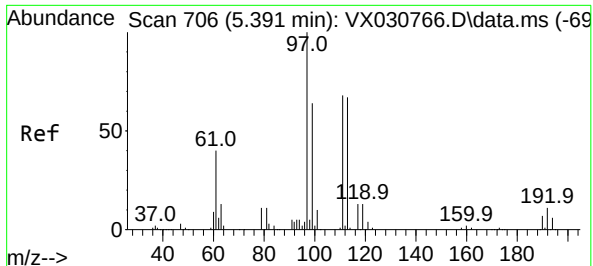
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 16.7 0.0 31.8

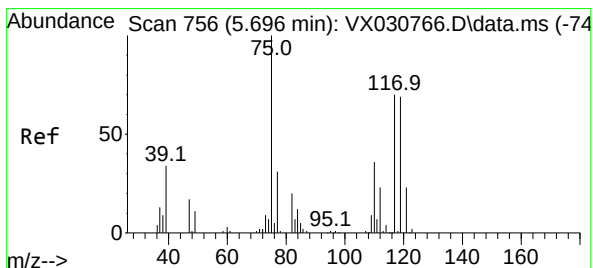
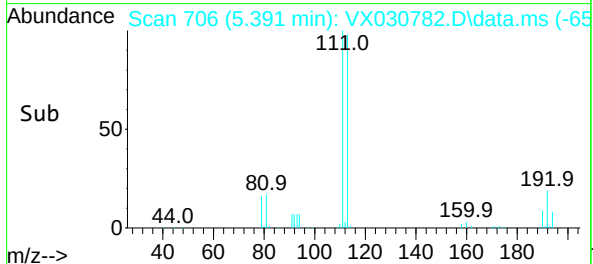
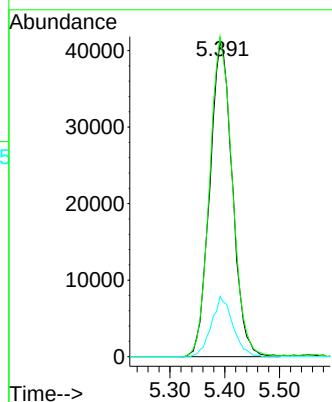
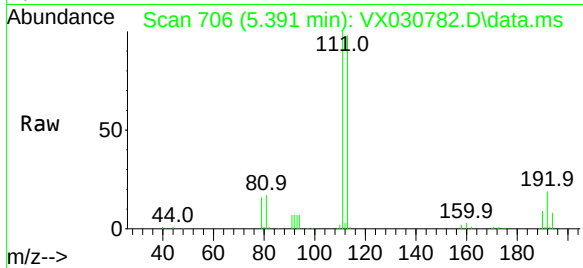




#35
Dibromofluoromethane
Concen: 49.767 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

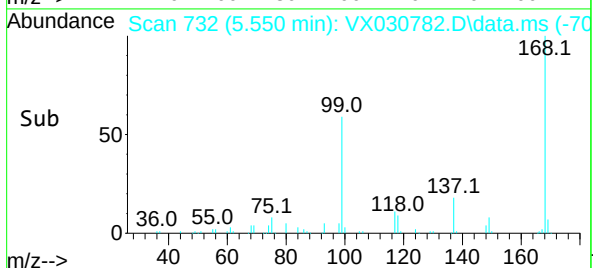
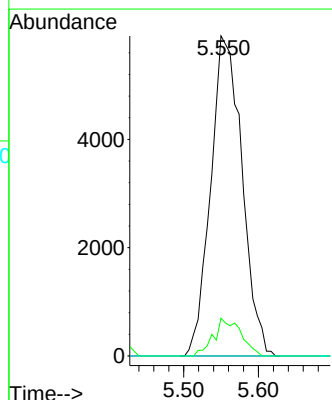
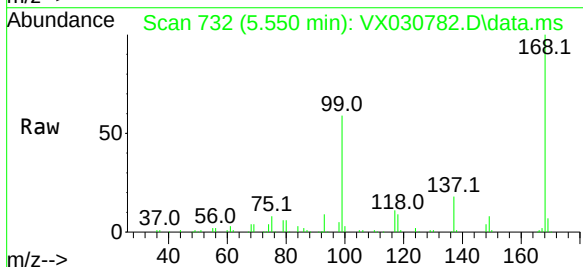
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

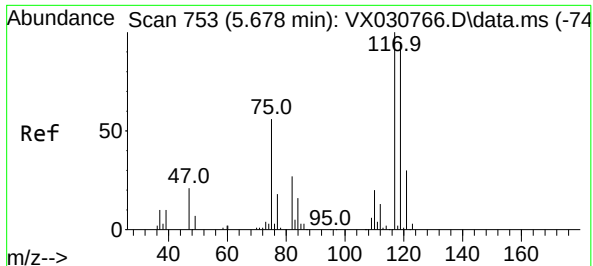
Tgt Ion:113 Resp: 117734
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.350 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

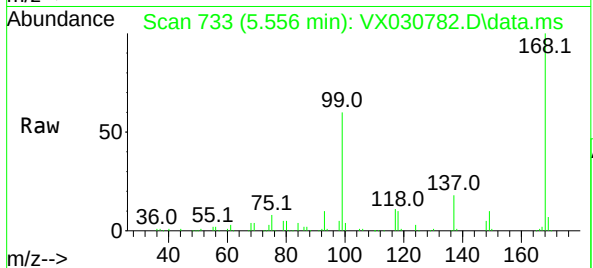
Tgt Ion: 75 Resp: 17236
Ion Ratio Lower Upper
75 100
110 10.3 19.3 57.9#
77 0.0 24.4 36.6#



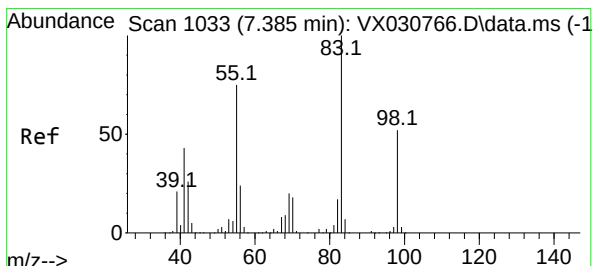
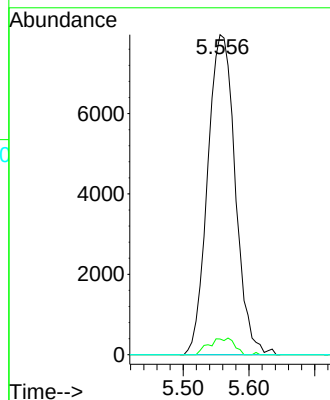
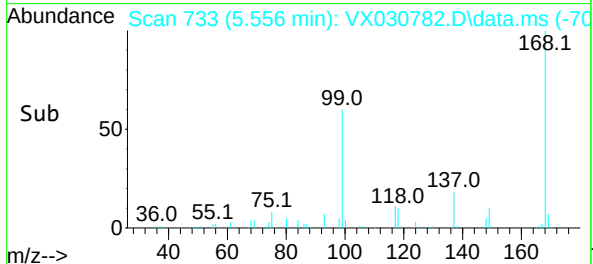


#38
Carbon Tetrachloride
Concen: 6.839 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

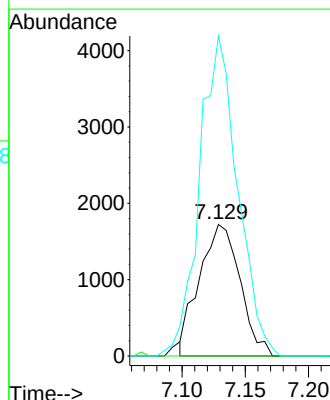
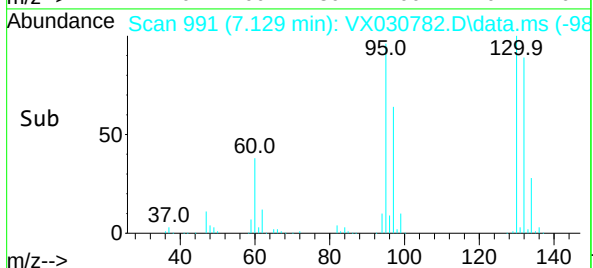
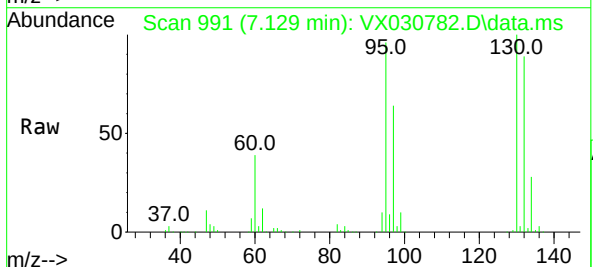


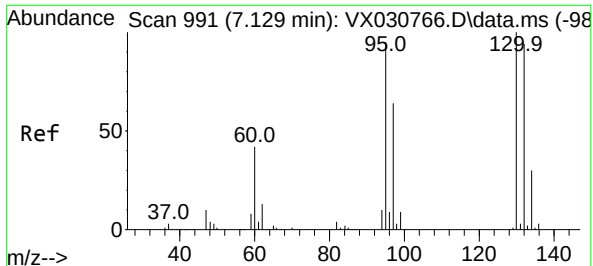
Tgt Ion:117 Resp: 23240
Ion Ratio Lower Upper
117 100
119 4.9 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.998 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 83 Resp: 3849
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 243.3 36.5 54.7#

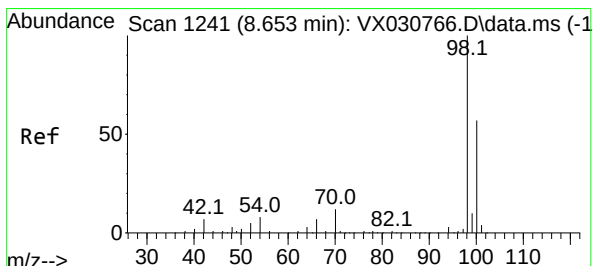
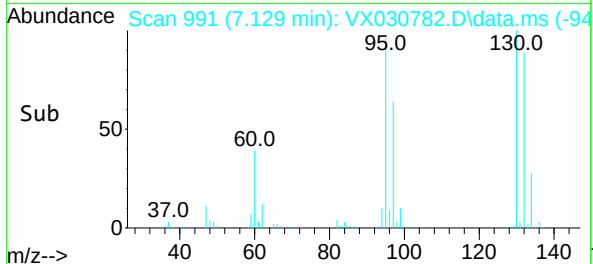
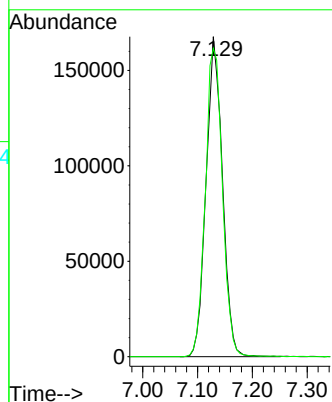
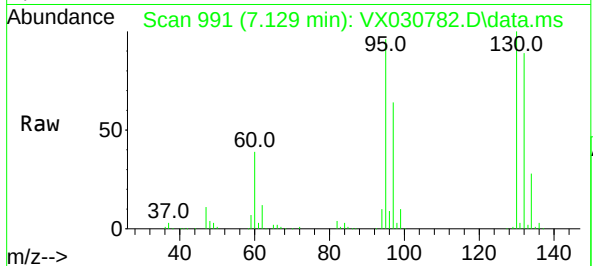




#44
Trichloroethene
Concen: 124.515 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

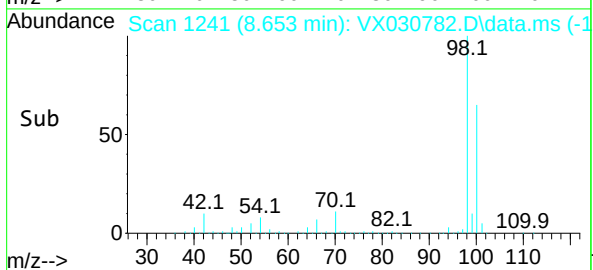
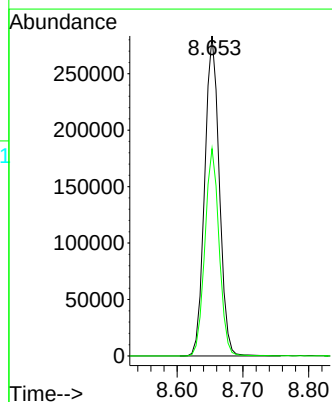
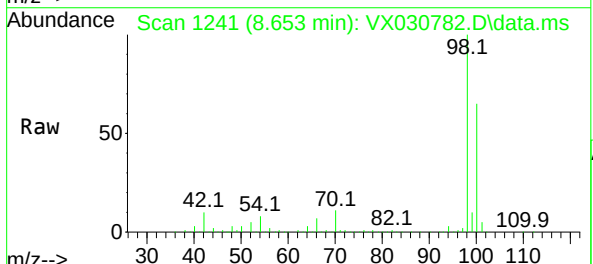
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

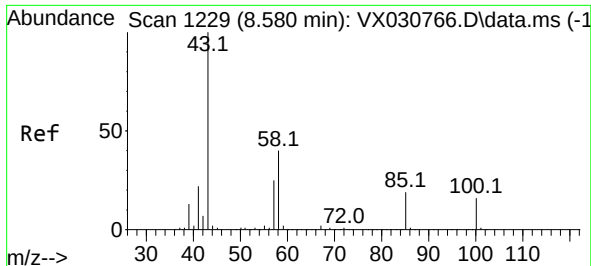
Tgt Ion:130 Resp: 346711
Ion Ratio Lower Upper
130 100
95 96.3 0.0 194.8



#50
Toluene-d8
Concen: 53.030 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 98 Resp: 437159
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5

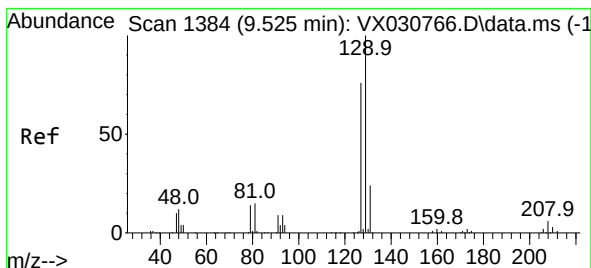
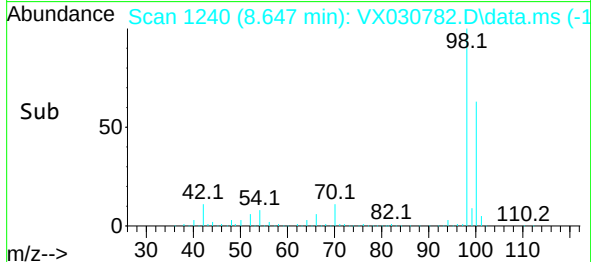
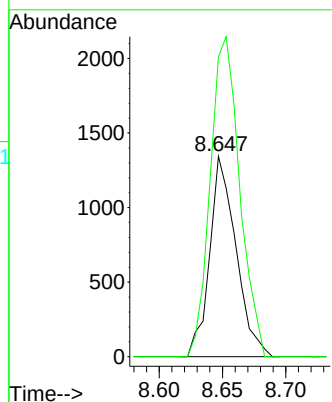
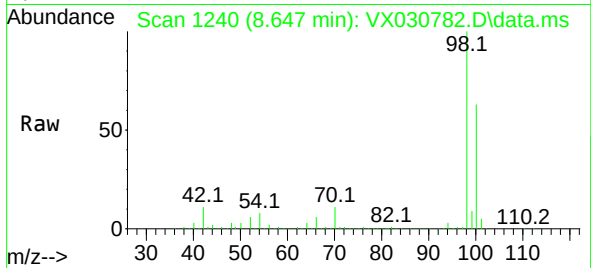




#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

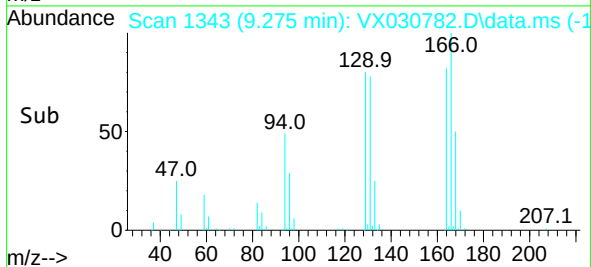
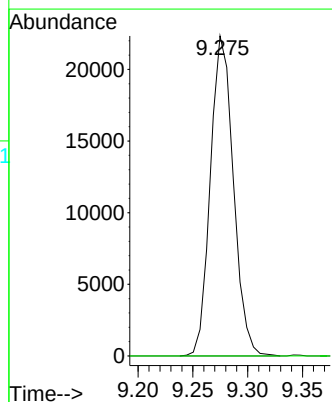
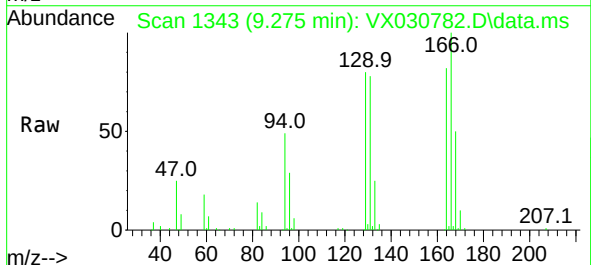
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

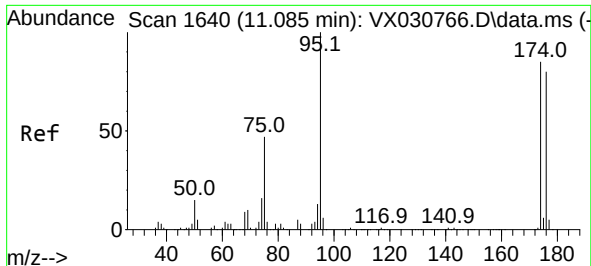
Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 178.4 31.4 47.2#



#60
Dibromochloromethane
Concen: 11.726 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 129 Resp: 32690
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

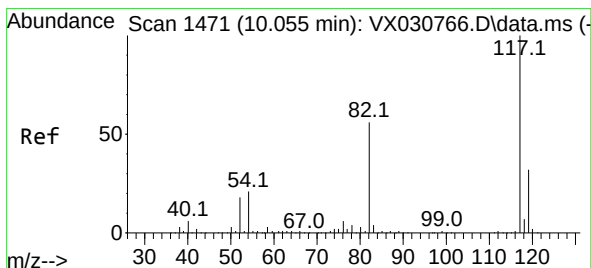
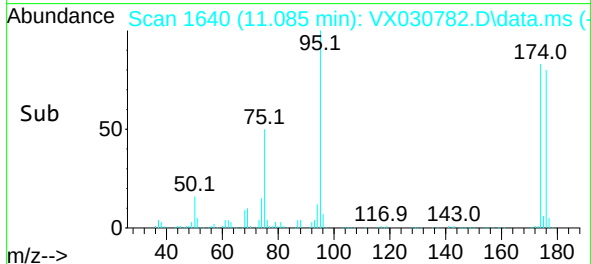
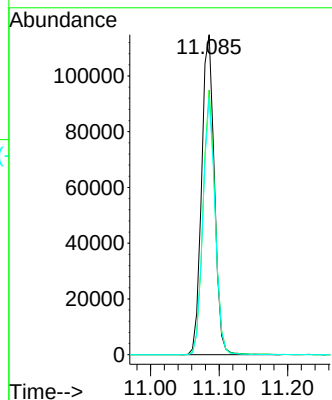
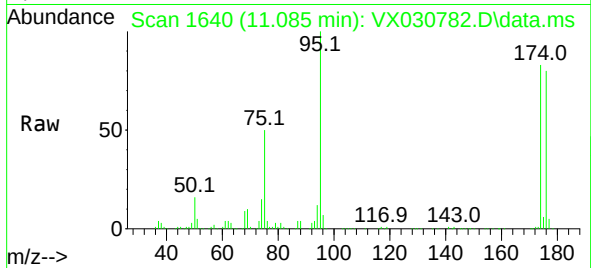




#62
4-Bromofluorobenzene
Concen: 48.337 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

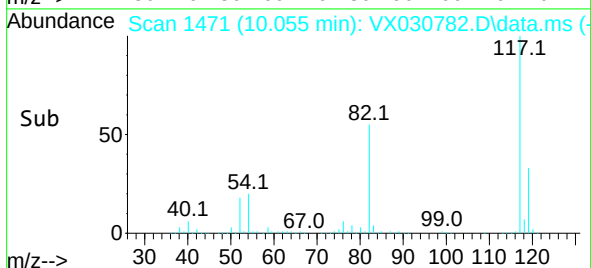
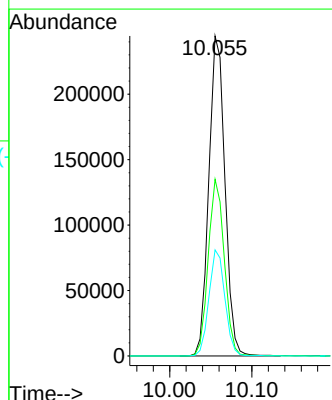
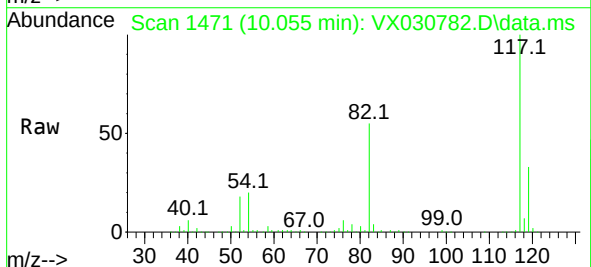
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

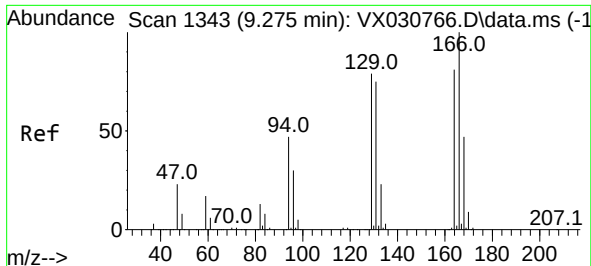
Tgt Ion: 95 Resp: 148352
Ion Ratio Lower Upper
95 100
174 78.8 0.0 149.0
176 76.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 117 Resp: 333539
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 33.2 25.4 38.2

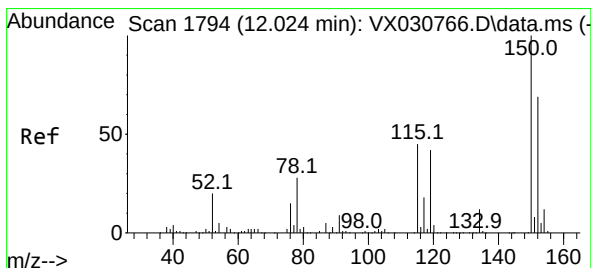
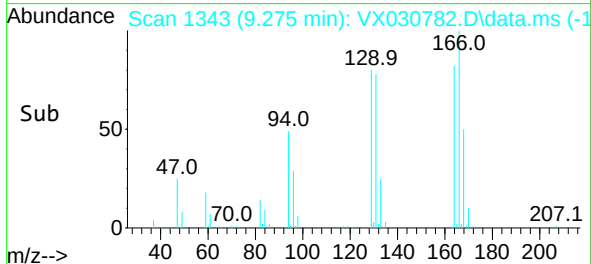
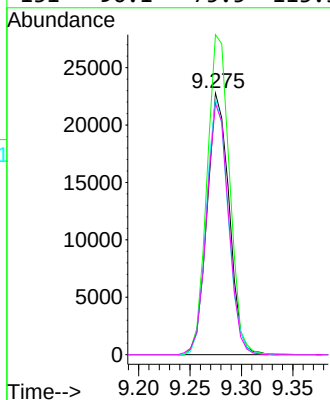
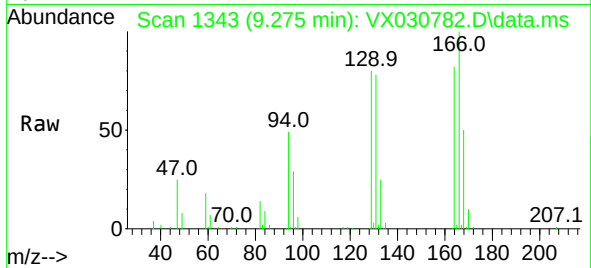




#64
Tetrachloroethene
Concen: 12.936 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

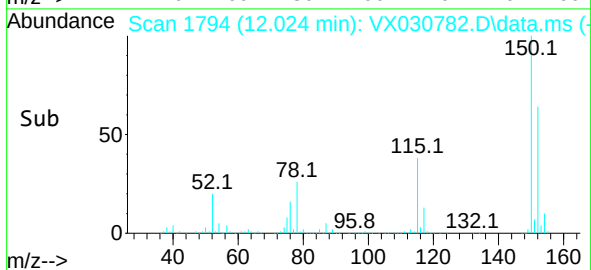
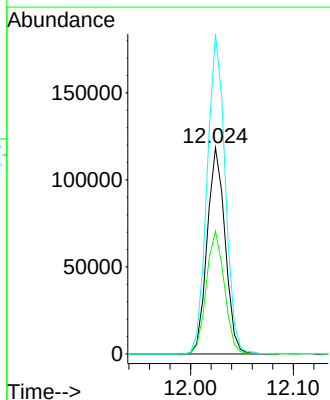
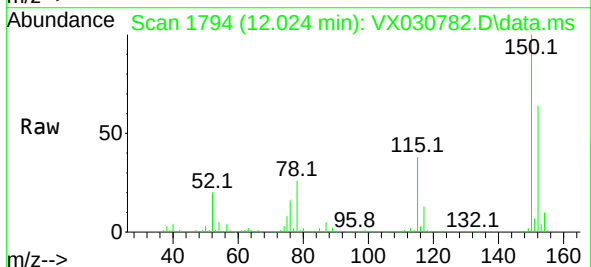
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

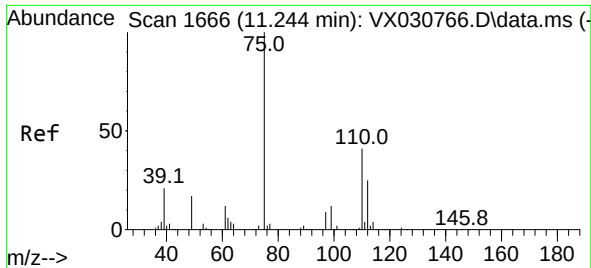
Tgt Ion:164	Resp:	33987	
Ion	Ratio	Lower	Upper
164	100		
166	122.5	98.2	147.4
129	98.1	80.8	121.2
131	96.1	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion:152	Resp:	143919	
Ion	Ratio	Lower	Upper
152	100		
115	60.0	40.5	121.5
150	155.5	0.0	347.0

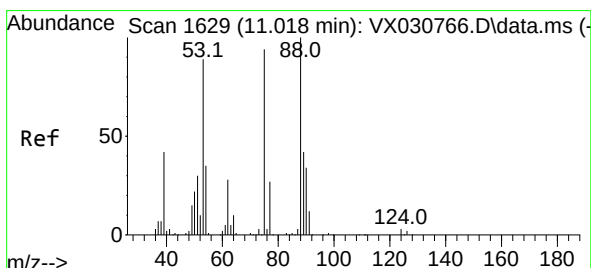
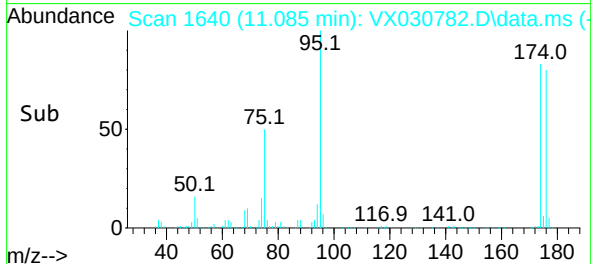
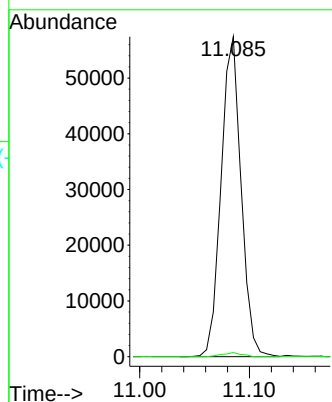
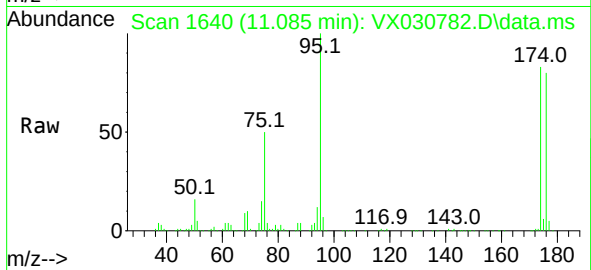




#76
1,2,3-Trichloropropane
Concen: 23.066 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

Tgt Ion: 75 Resp: 72730
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.422 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030782.D
Acq: 25 Aug 2022 19:33

Tgt Ion: 75 Resp: 72730
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

