

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037113.D
 Acq On : 19 Aug 2023 06:47
 Operator : JC/MD
 Sample : 04025-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20230814

Quant Time: Aug 21 01:43:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

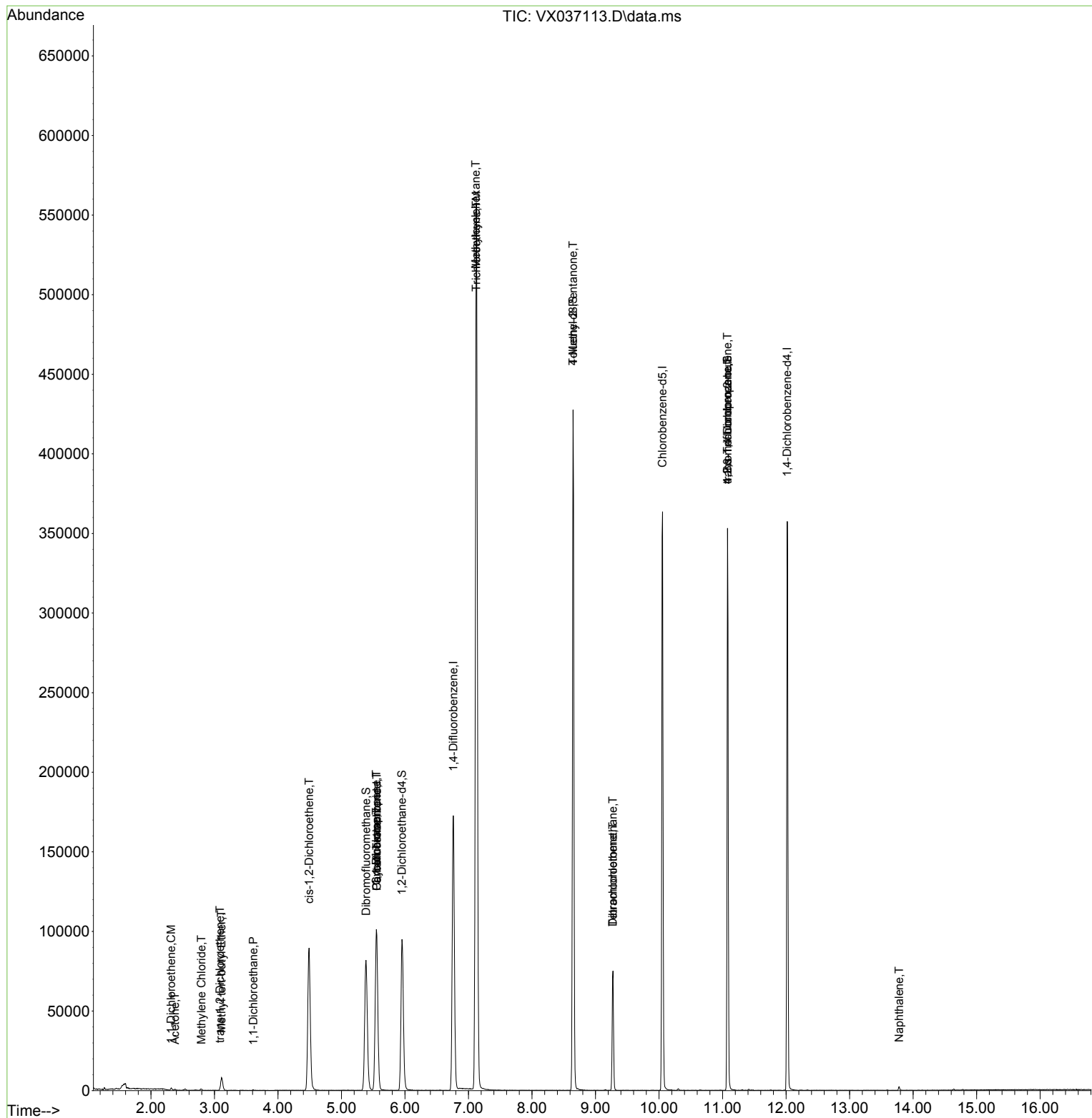
Internal Standards						
1) Pentafluorobenzene	5.556	168	93435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96616	71.725	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 143.460%#	
35) Dibromofluoromethane	5.385	113	72217	59.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.800%	
50) Toluene-d8	8.647	98	253217	57.420	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 114.840%#	
62) 4-Bromofluorobenzene	11.079	95	96431	55.643	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.280%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.318	96	509	0.529	ug/l	80
16) Acetone	2.379	43	899	1.706	ug/l #	84
19) Methyl tert-butyl Ether	3.111	73	9383	2.572	ug/l #	90
20) Methylene Chloride	2.794	84	430	0.365	ug/l	87
21) trans-1,2-Dichloroethene	3.087	96	318	0.291	ug/l #	59
24) 1,1-Dichloroethane	3.611	63	402	0.210	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	59506	46.165	ug/l	81
31) Cyclohexane	5.550	56	2107	1.391	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	7506	4.346	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10160	5.415	ug/l #	14
39) Methylcyclohexane	7.116	83	2670	1.471	ug/l #	1
44) Trichloroethene	7.122	130	217008	154.493	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1116	0.656	ug/l #	1
60) Dibromochloromethane	9.275	129	13814	9.735	ug/l #	11
64) Tetrachloroethene	9.275	164	14150	11.327	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	50698	31.720	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50698	88.597	ug/l #	5
95) Naphthalene	13.780	128	1961	0.313	ug/l #	93

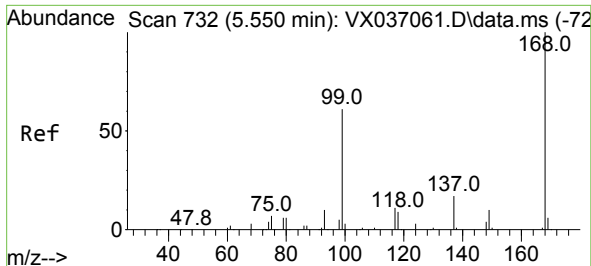
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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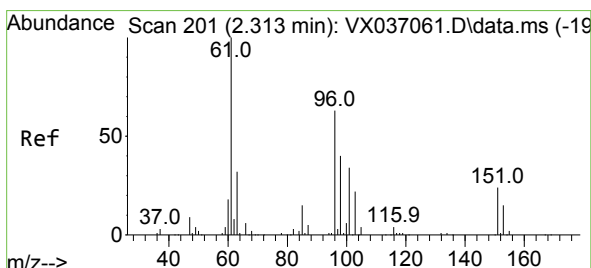
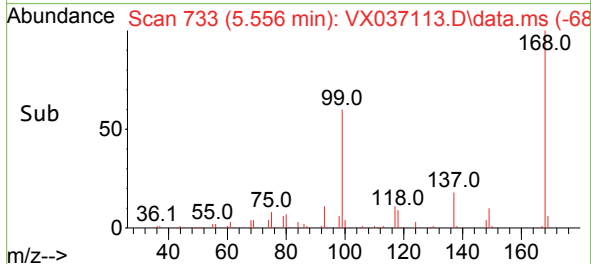
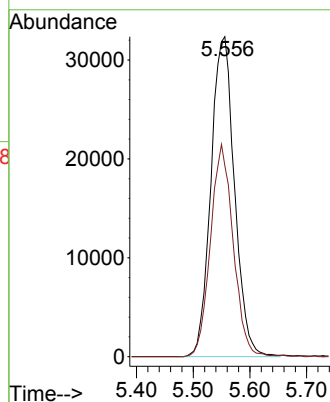
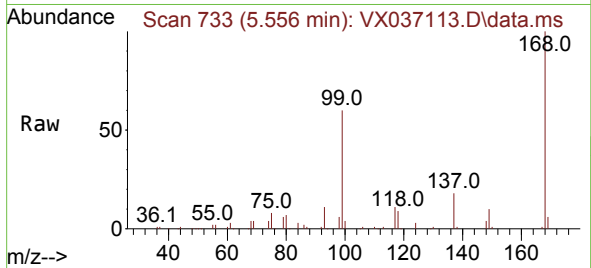




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

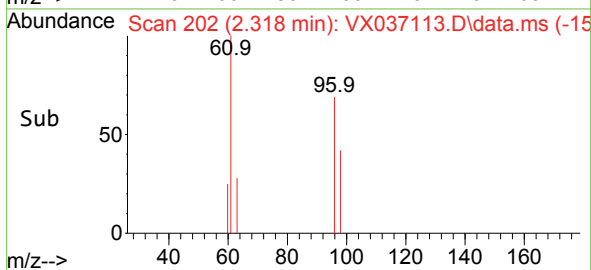
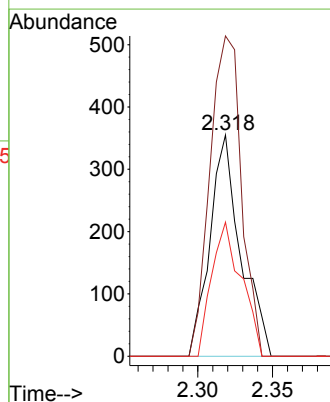
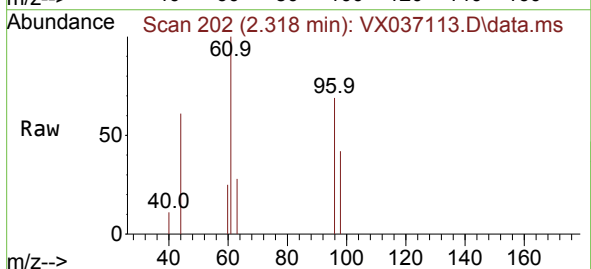
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

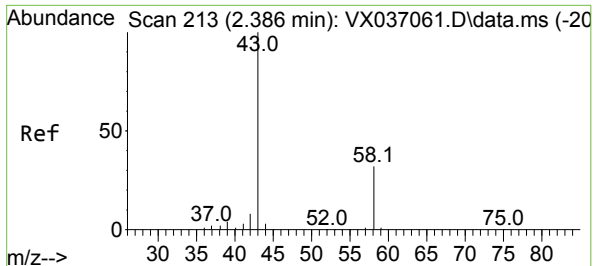
Tgt Ion:168 Resp: 93435
Ion Ratio Lower Upper
168 100
99 59.7 56.6 85.0



#12
1,1-Dichloroethene
Concen: 0.529 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 96 Resp: 509
Ion Ratio Lower Upper
96 100
61 144.8 144.6 216.8
98 60.6 50.4 75.6

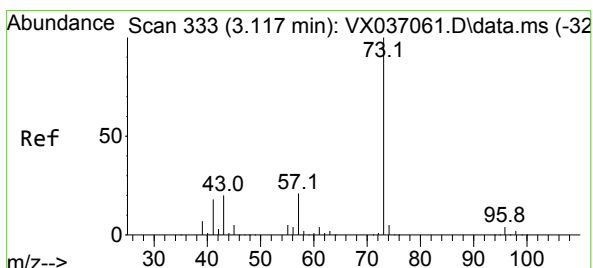
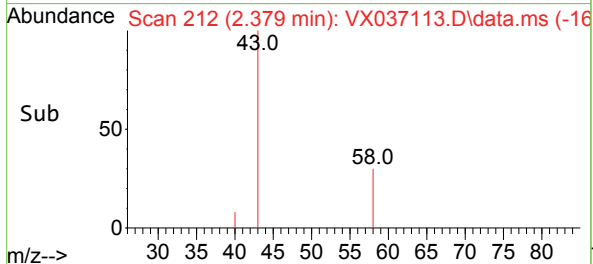
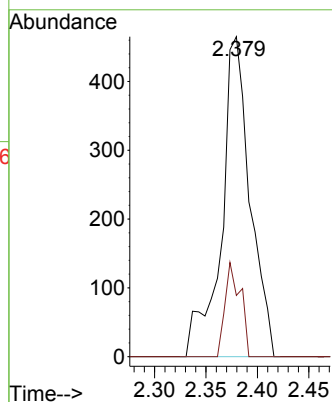
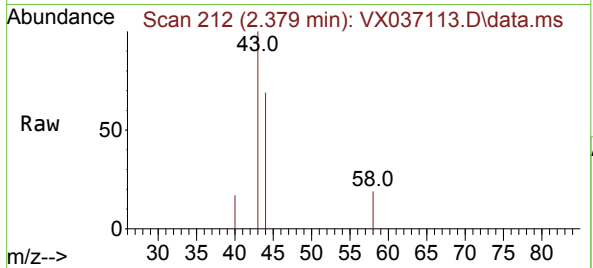




#16
Acetone
Concen: 1.706 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

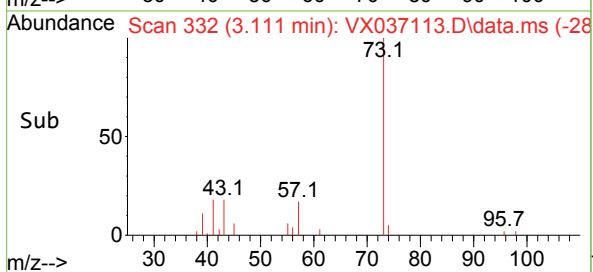
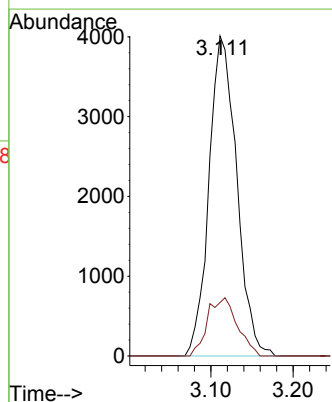
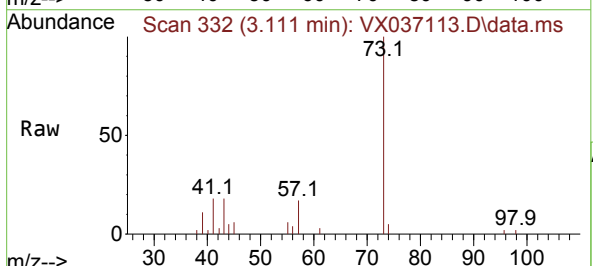
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

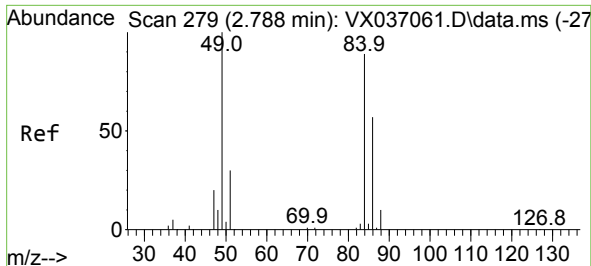
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
58 19.1 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 2.572 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 73 Resp: 9383
Ion Ratio Lower Upper
73 100
57 16.7 17.3 25.9#



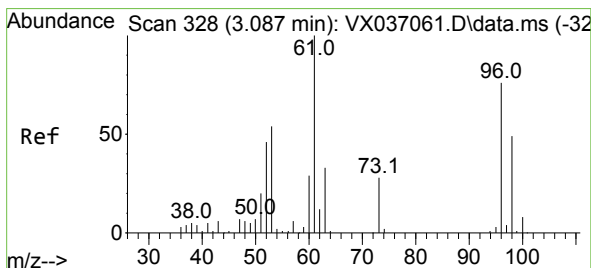
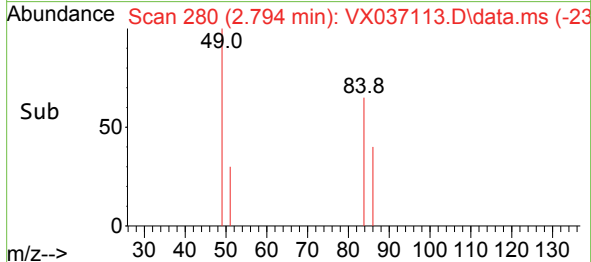
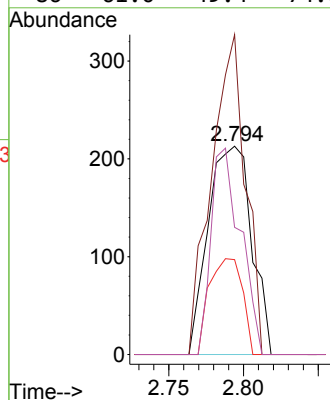
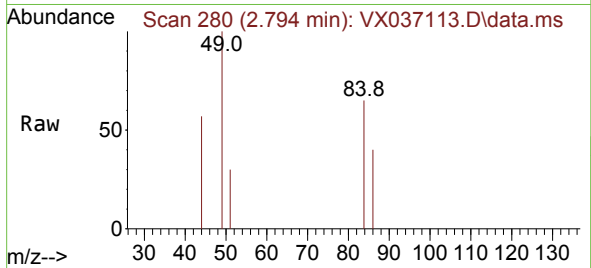


#20
Methylene Chloride
Concen: 0.365 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

Tgt Ion: 84 Resp: 430

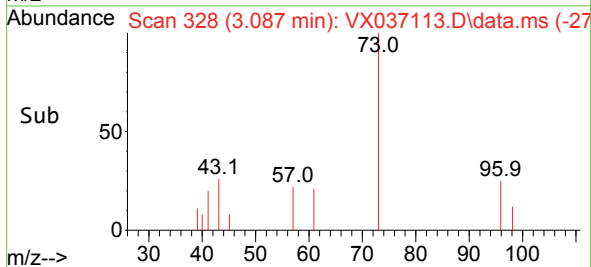
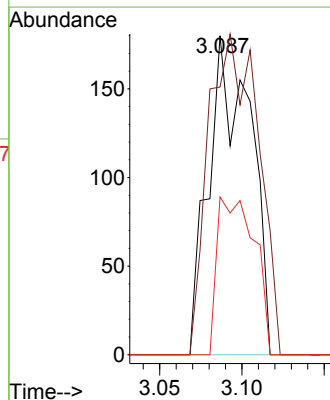
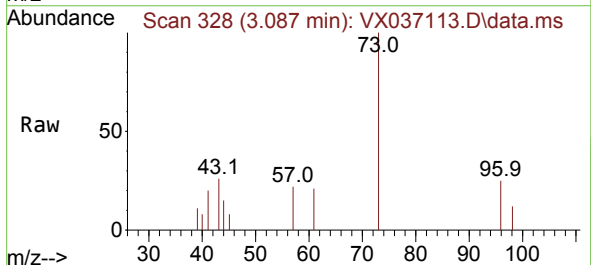
Ion	Ratio	Lower	Upper
84	100		
49	153.5	103.6	155.4
51	45.5	33.8	50.6
86	61.0	49.4	74.0

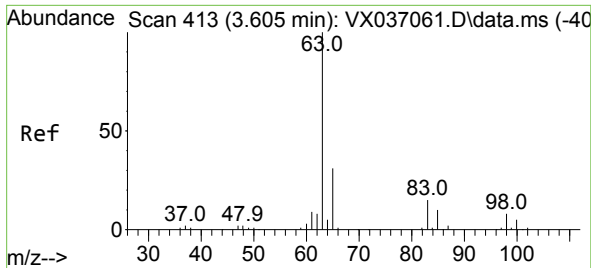


#21
trans-1,2-Dichloroethene
Concen: 0.291 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 96 Resp: 318

Ion	Ratio	Lower	Upper
96	100		
61	83.9	119.2	178.8#
98	49.4	48.7	73.1





#24

1,1-Dichloroethane

Concen: 0.210 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX037113.D

Acq: 19 Aug 2023 06:47

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20230814

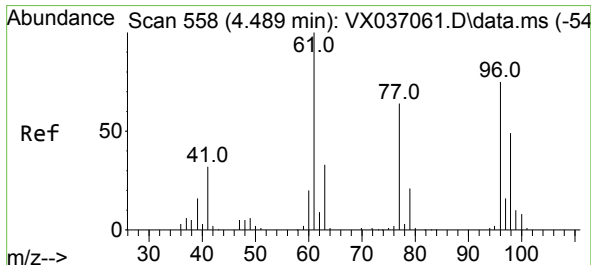
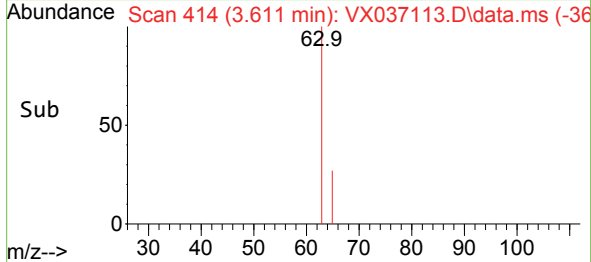
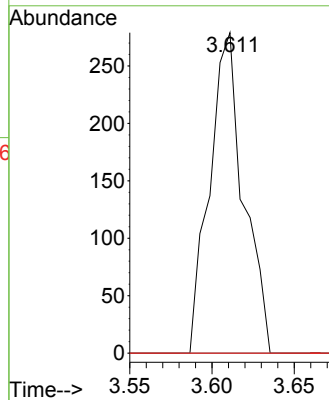
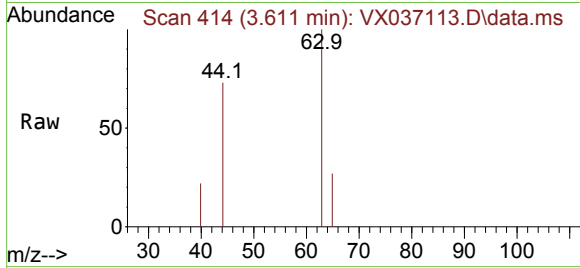
Tgt Ion: 63 Resp: 402

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



#27

cis-1,2-Dichloroethene

Concen: 46.165 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037113.D

Acq: 19 Aug 2023 06:47

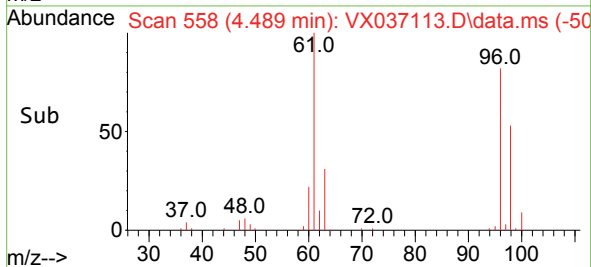
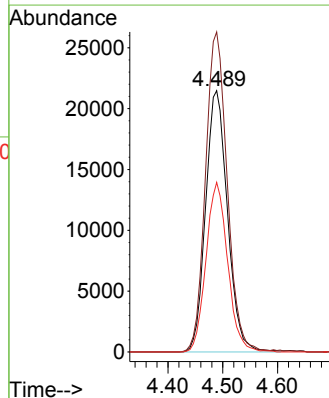
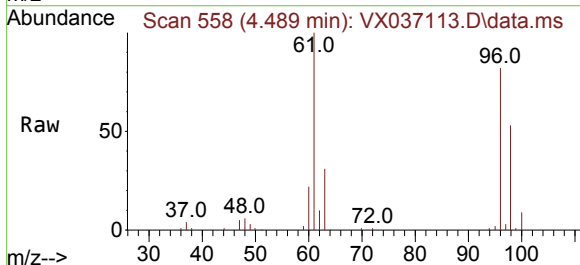
Tgt Ion: 96 Resp: 59506

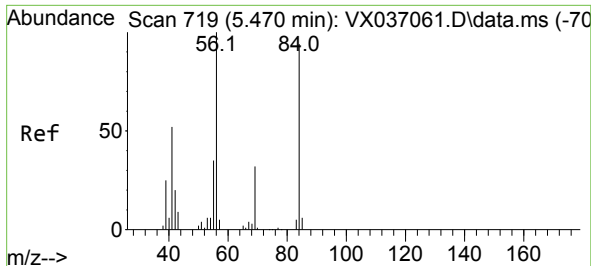
Ion Ratio Lower Upper

96 100

61 121.3 0.0 312.2

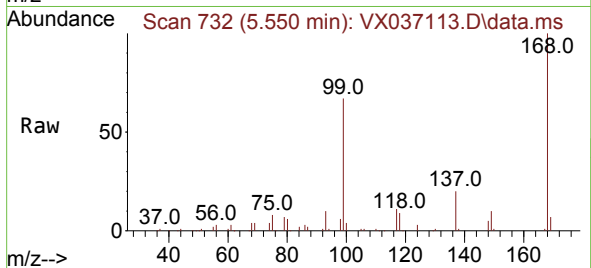
98 64.1 0.0 129.0



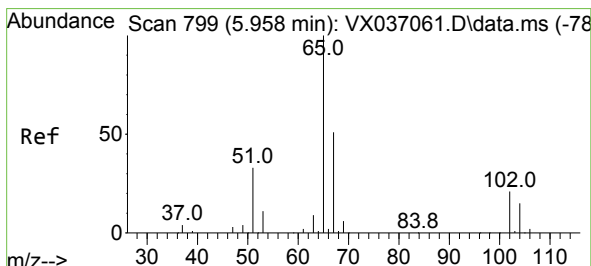
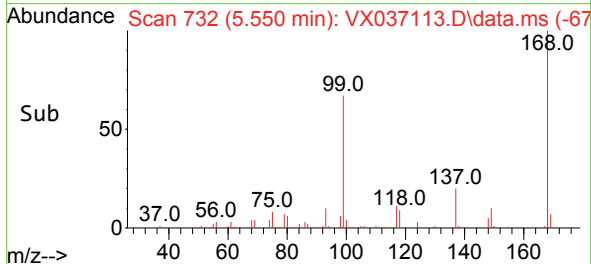
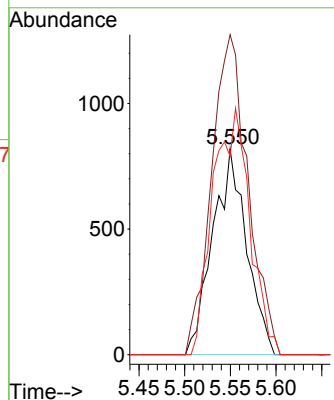


#31
Cyclohexane
Concen: 1.391 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Instrument :
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ClientSampleId :
MW179D-20230814

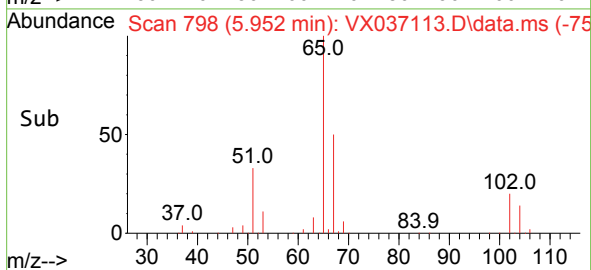
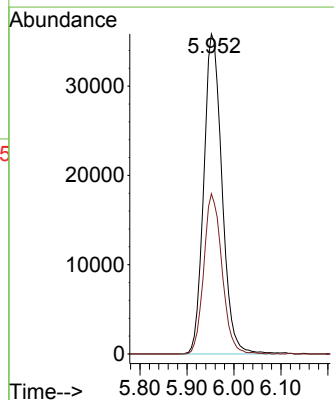
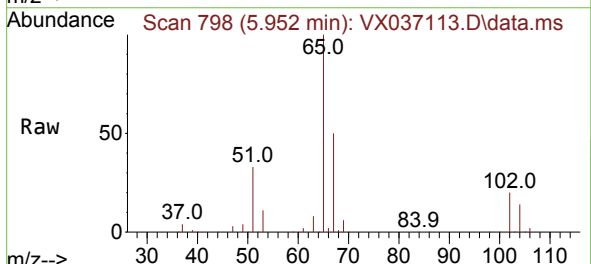


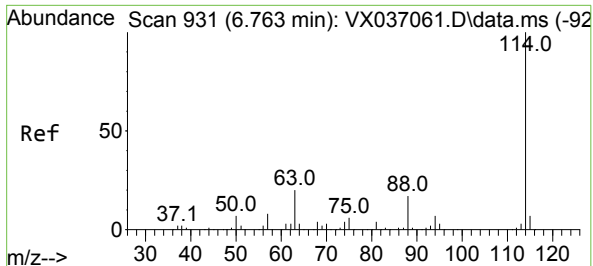
Tgt Ion: 56 Resp: 2107
Ion Ratio Lower Upper
56 100
69 155.4 23.4 35.2#
84 96.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 71.725 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 65 Resp: 96616
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

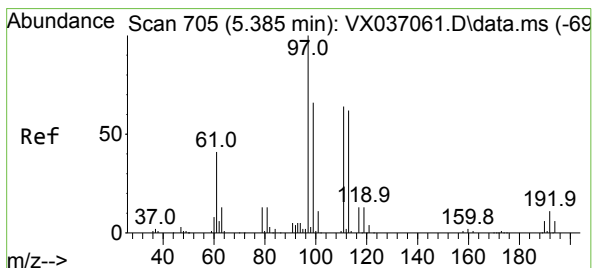
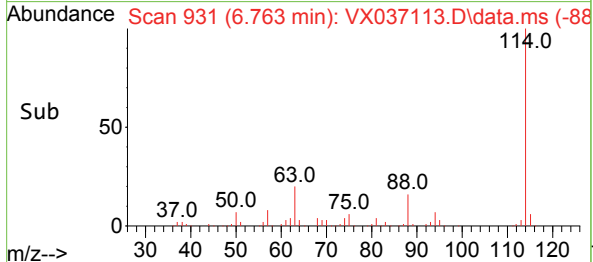
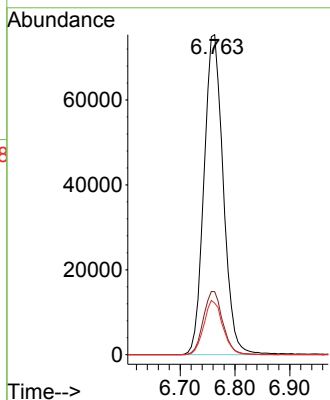
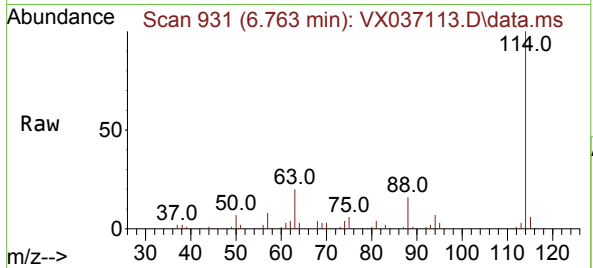




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

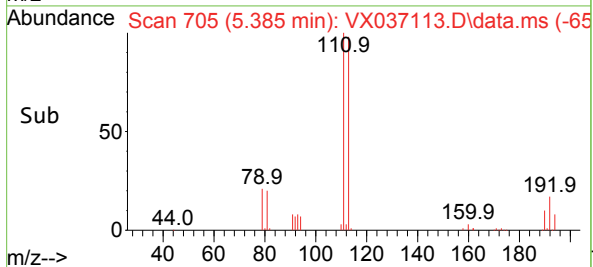
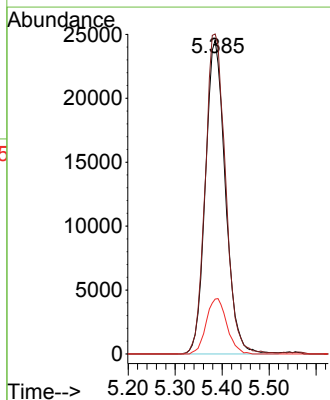
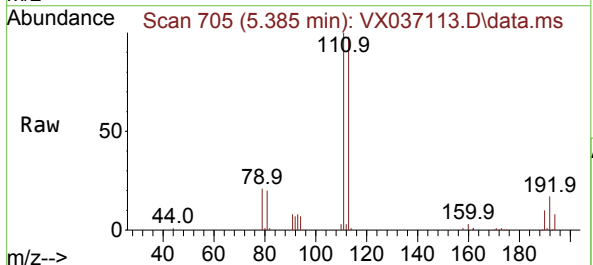
Instrument :
MSVOA_X
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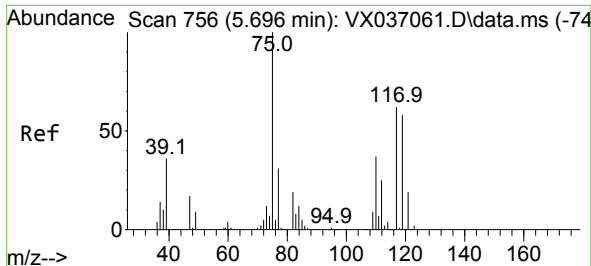
Tgt Ion:114 Resp: 183569
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 59.402 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion:113 Resp: 72217
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 18.2 13.3 19.9

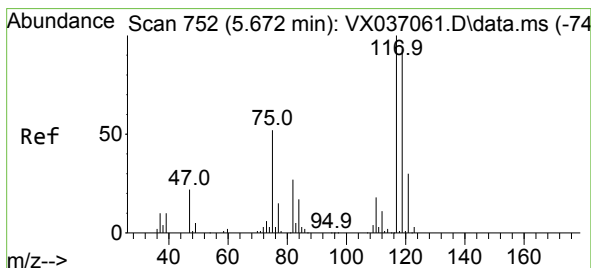
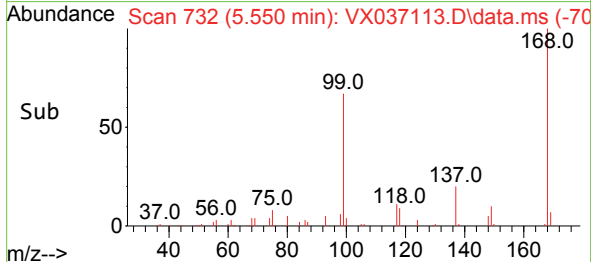
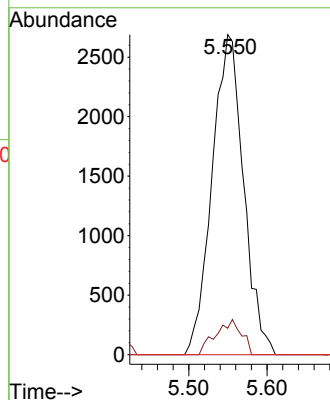
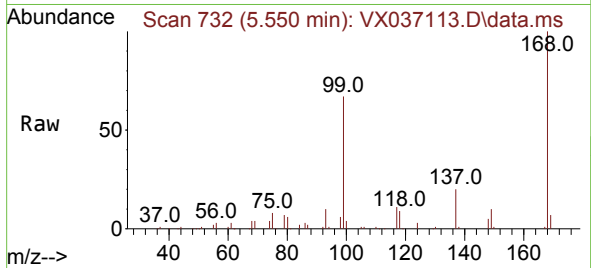




#36
 1,1-Dichloropropene
 Concen: 4.346 ug/l
 RT: 5.550 min Scan# 713
 Delta R.T. -0.146 min
 Lab File: VX037113.D
 Acq: 19 Aug 2023 06:47

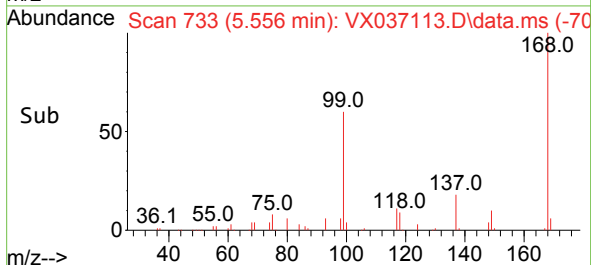
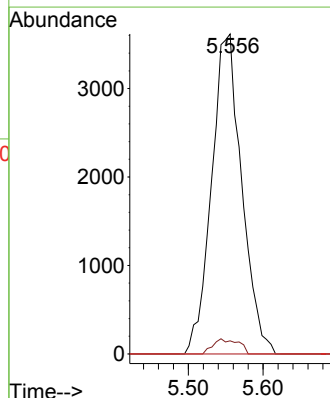
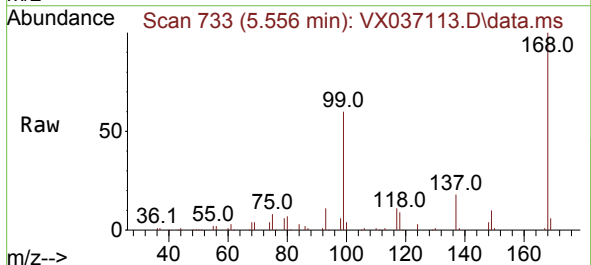
Instrument :
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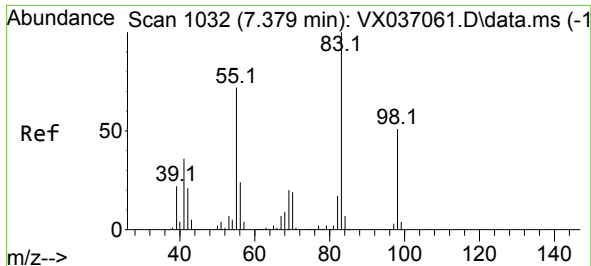
Tgt Ion: 75 Resp: 7506
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.415 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.116 min
 Lab File: VX037113.D
 Acq: 19 Aug 2023 06:47

Tgt Ion: 117 Resp: 10160
 Ion Ratio Lower Upper
 117 100
 119 4.1 78.2 117.2#
 121 0.0 24.4 36.6#

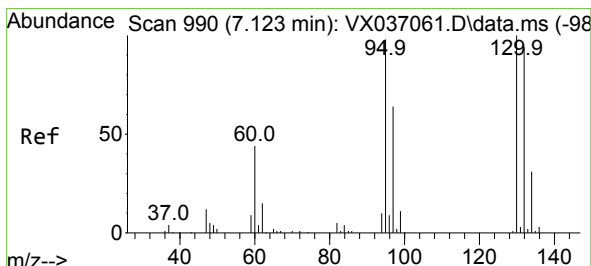
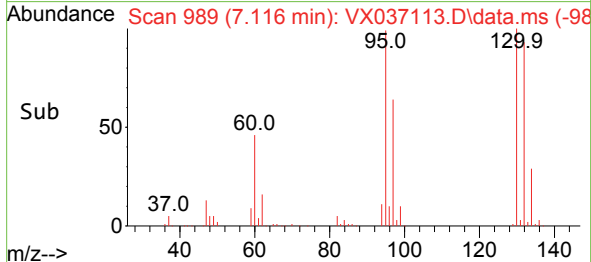
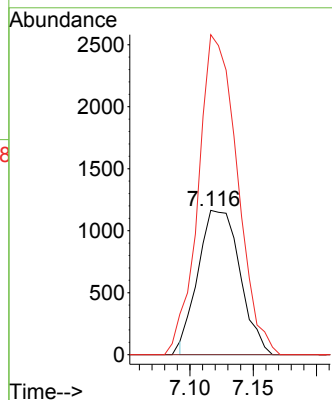
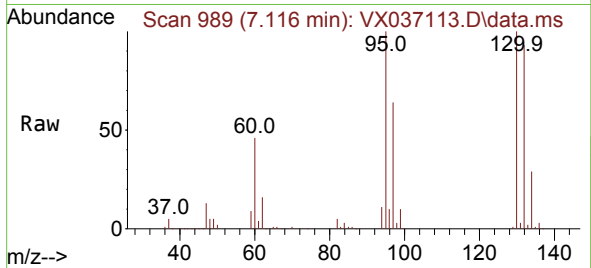




#39
Methylcyclohexane
Concen: 1.471 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

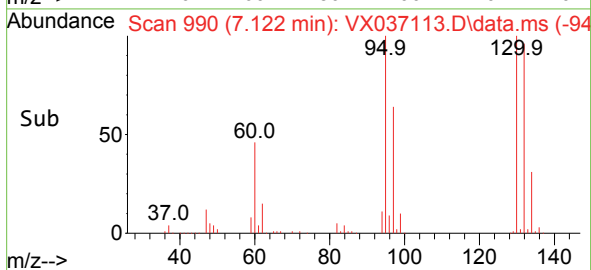
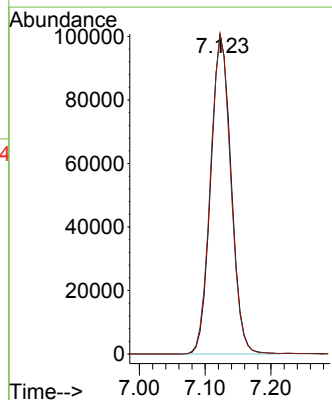
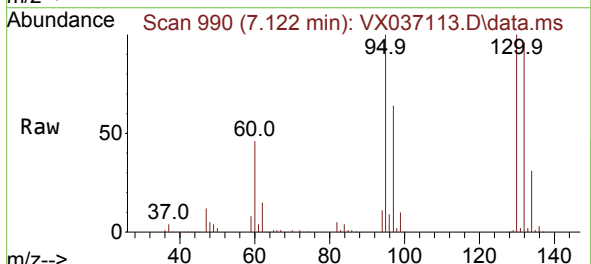
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

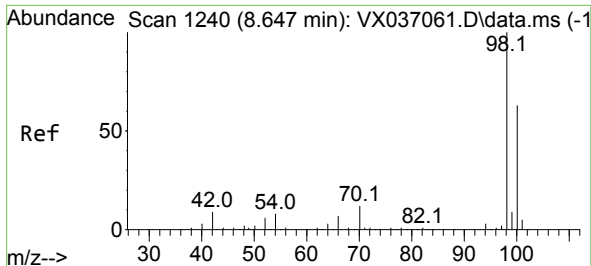
Tgt Ion: 83 Resp: 2670
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 221.7 36.7 55.1#



#44
Trichloroethene
Concen: 154.493 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion:130 Resp: 217008
Ion Ratio Lower Upper
130 100
95 100.2 0.0 204.4

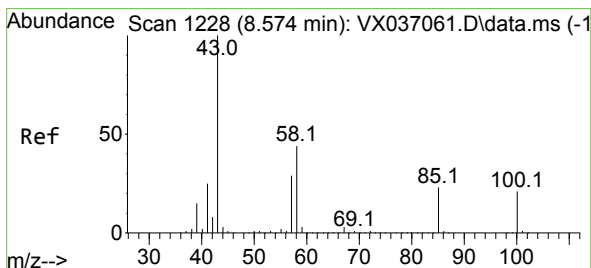
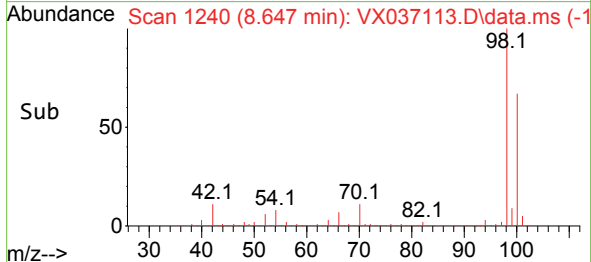
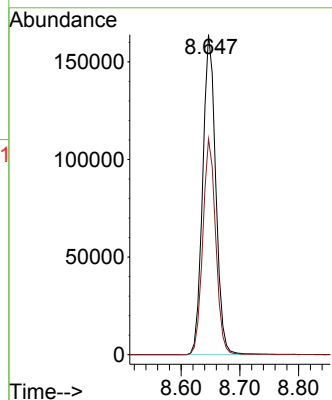
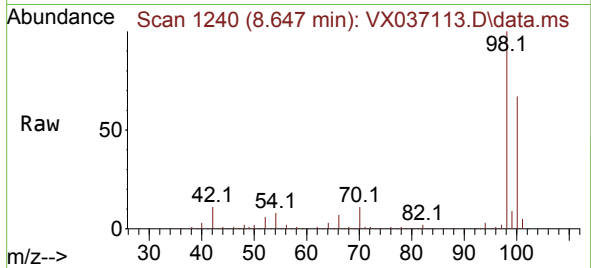




#50
Toluene-d8
Concen: 57.420 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

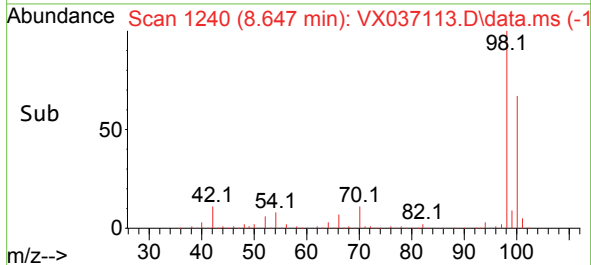
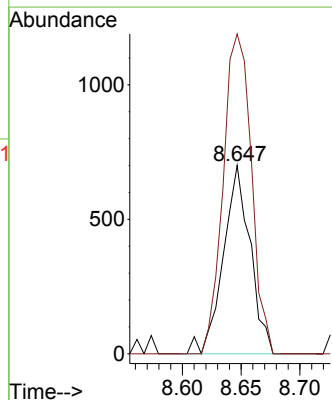
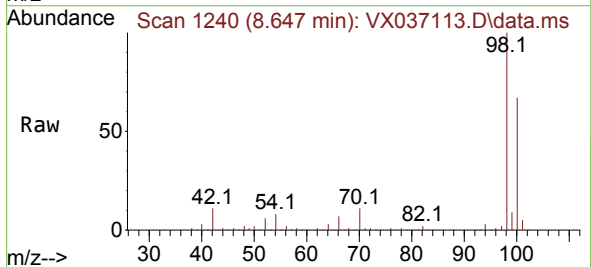
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

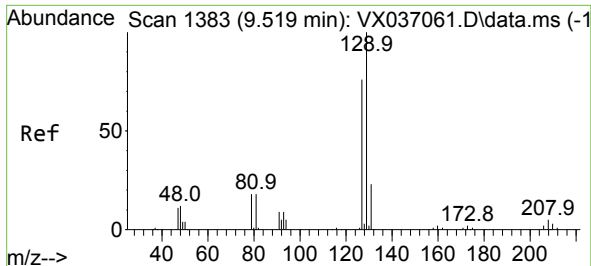
Tgt Ion: 98 Resp: 253217
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.656 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 178.0 30.4 45.6#

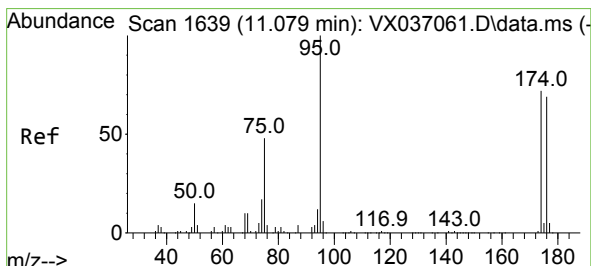
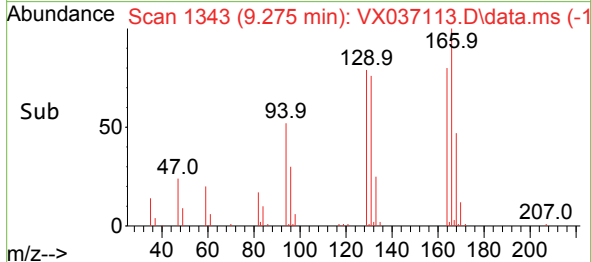
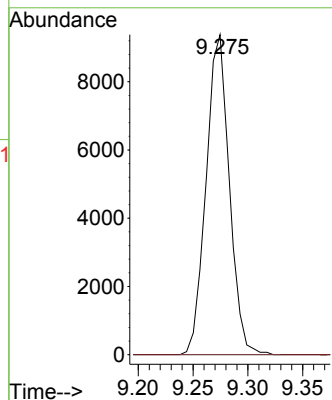
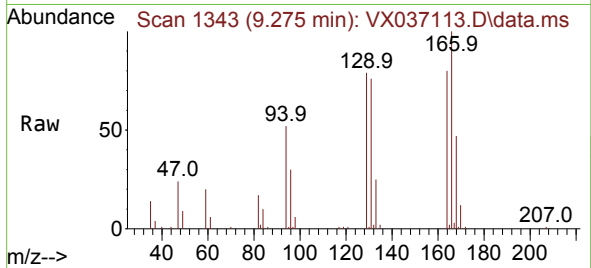




#60
Dibromochloromethane
Concen: 9.735 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

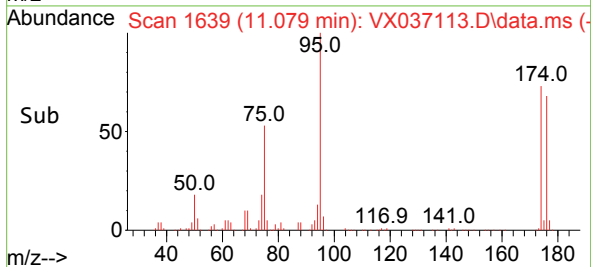
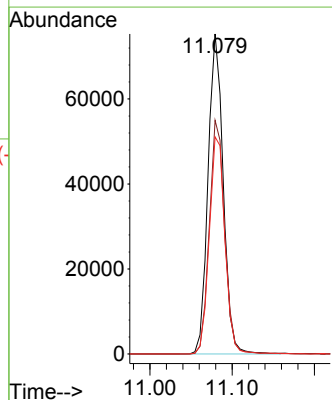
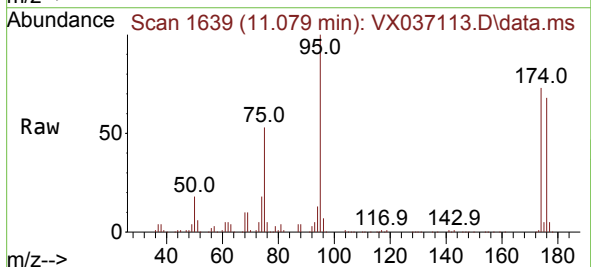
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

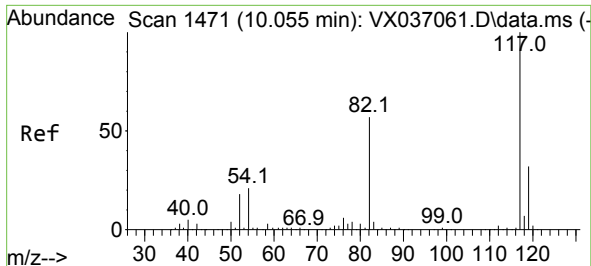
Tgt Ion:129 Resp: 13814
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 55.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion: 95 Resp: 96431
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 70.1 0.0 131.0

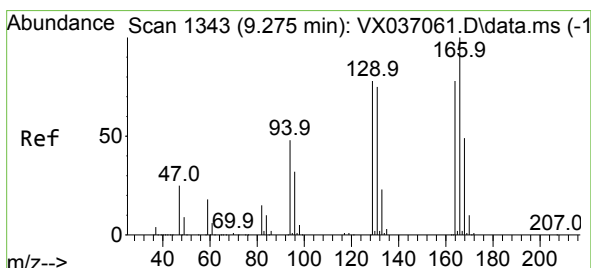
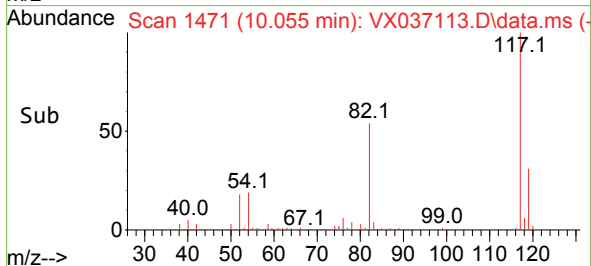
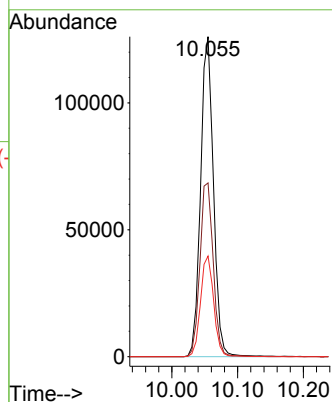
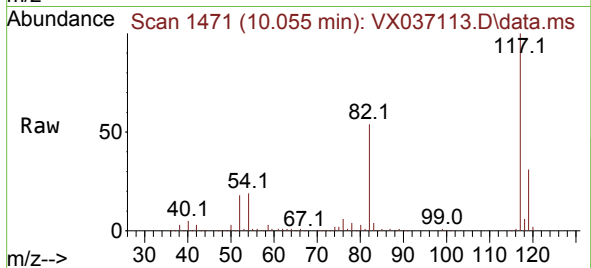




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

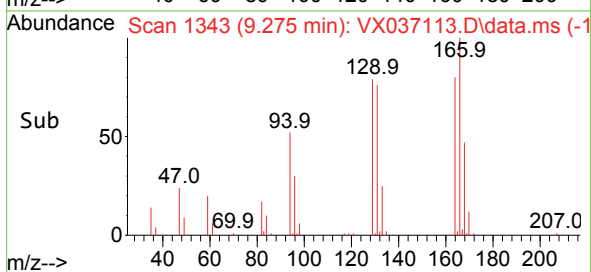
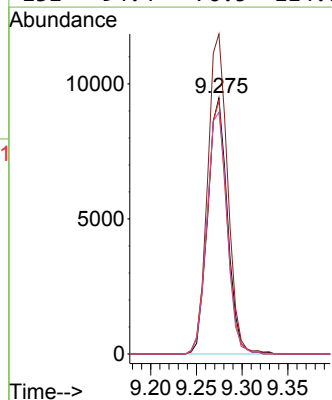
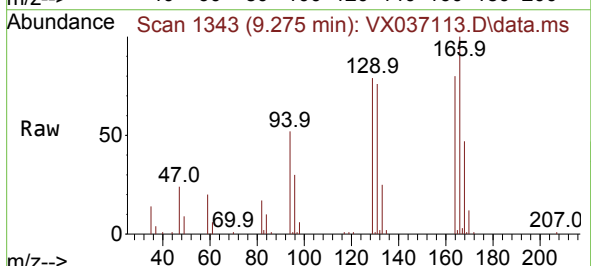
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

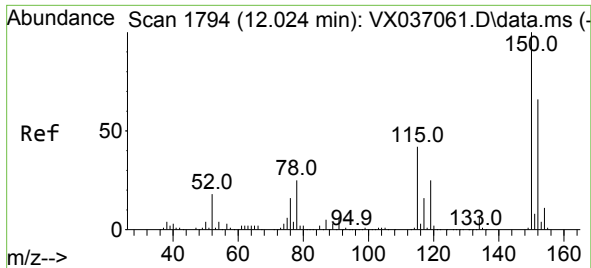
Tgt Ion:117 Resp: 171238
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 11.327 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion:164 Resp: 14150
Ion Ratio Lower Upper
164 100
166 125.0 102.7 154.1
129 99.0 80.4 120.6
131 94.4 76.5 114.7

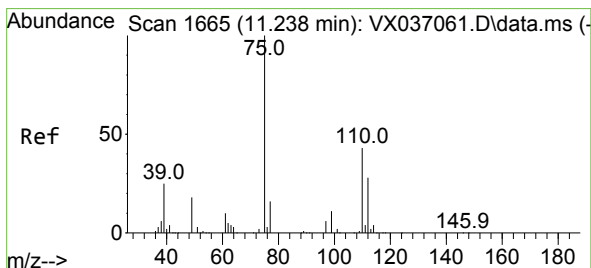
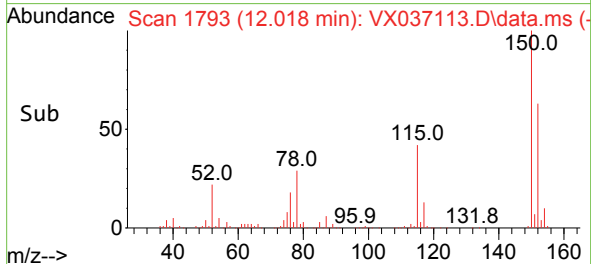
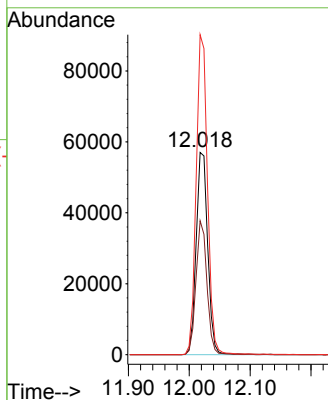
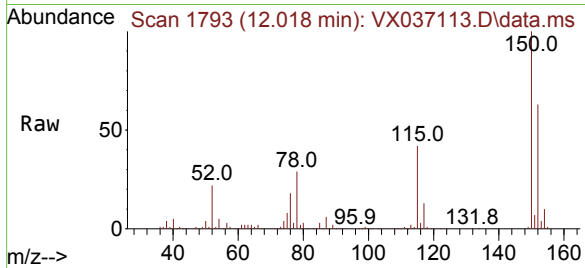




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX037113.D
 Acq: 19 Aug 2023 06:47

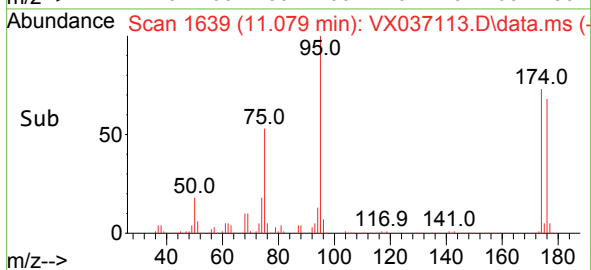
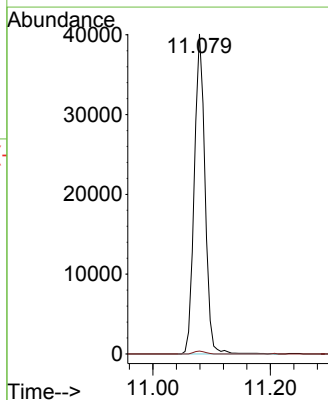
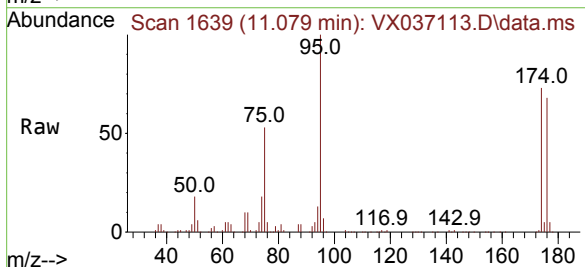
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20230814

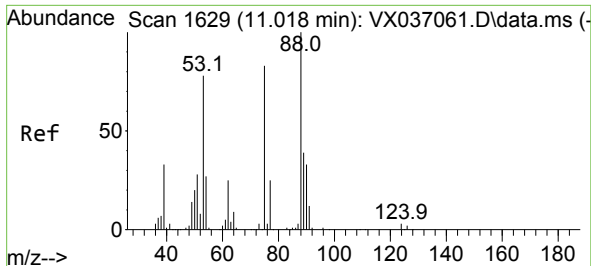
Tgt Ion:152 Resp: 75048
 Ion Ratio Lower Upper
 152 100
 115 62.9 43.3 129.9
 150 155.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 31.720 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037113.D
 Acq: 19 Aug 2023 06:47

Tgt Ion: 75 Resp: 50698
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

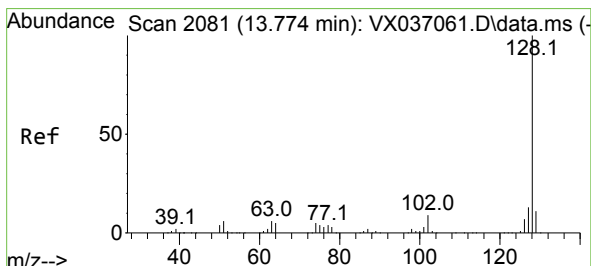
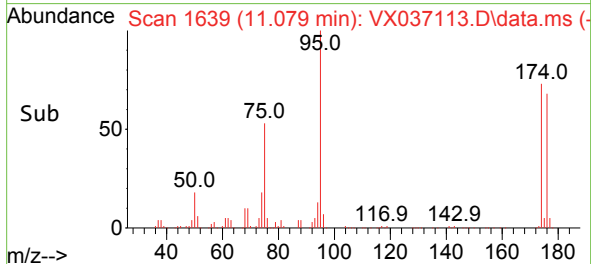
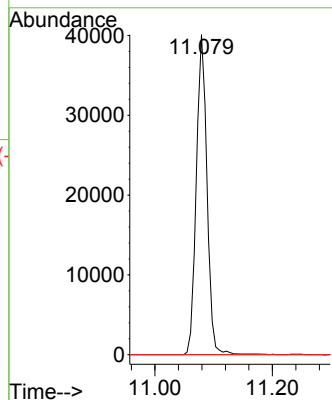
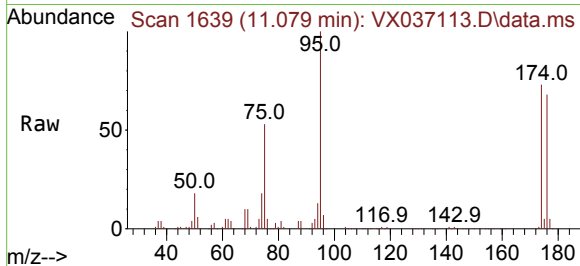




#81
trans-1,4-Dichloro-2-butene
Concen: 88.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814

Tgt Ion: 75 Resp: 50698
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.313 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037113.D
Acq: 19 Aug 2023 06:47

Tgt Ion:128 Resp: 1961
Ion Ratio Lower Upper
128 100
127 10.6 10.3 15.5
129 7.9 8.8 13.2#

