

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111822\
 Data File : VX032920.D
 Acq On : 18 Nov 2022 13:23
 Operator : JC/MD
 Sample : N5671-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20221115DL

Quant Time: Nov 19 03:04:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82207	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82767	51.675	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.340%	
35) Dibromofluoromethane	5.385	113	66243	48.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.540%	
50) Toluene-d8	8.647	98	238498	49.977	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	11.079	95	93991	50.421	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.840%	

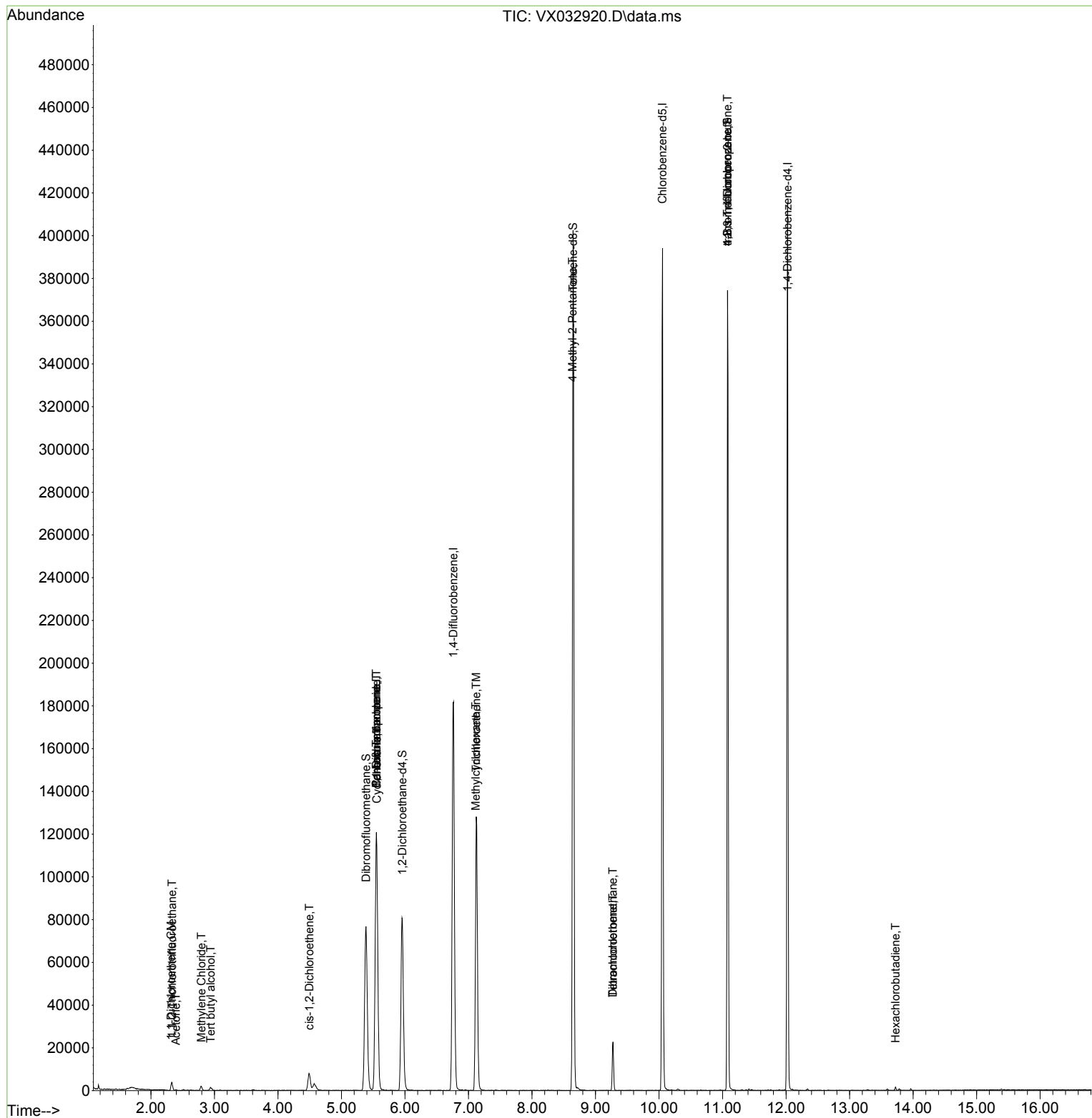
Target Compounds				Qvalue		
9) 1,1,2-Trichlorotrifluo...	2.331	101	1048	0.847	ug/l	97
11) Tert butyl alcohol	2.940	59	906	3.886	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	628	0.543	ug/l	88
16) Acetone	2.392	43	305	0.524	ug/l #	45
20) Methylene Chloride	2.794	84	1070	0.802	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	5195	3.572	ug/l	91
31) Cyclohexane	5.556	56	2661	1.370	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	8962	4.689	ug/l #	49
38) Carbon Tetrachloride	5.550	117	11880	5.605	ug/l #	17
39) Methylcyclohexane	7.116	83	549	0.243	ug/l #	1
44) Trichloroethene	7.122	130	49003	32.187	ug/l	99
51) 4-Methyl-2-Pentanone	8.640	43	989	0.514	ug/l #	1
60) Dibromochloromethane	9.274	129	3937	2.426	ug/l #	11
64) Tetrachloroethene	9.274	164	4058	3.183	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	51103	27.942	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	51103	88.912	ug/l #	6
94) Hexachlorobutadiene	13.725	225	339	0.419	ug/l	87

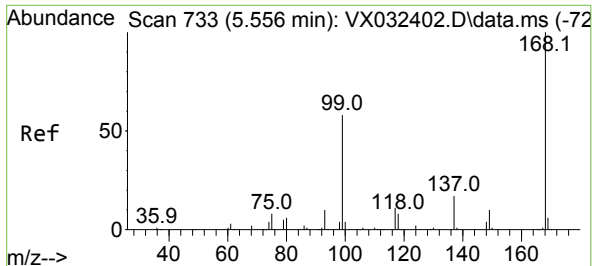
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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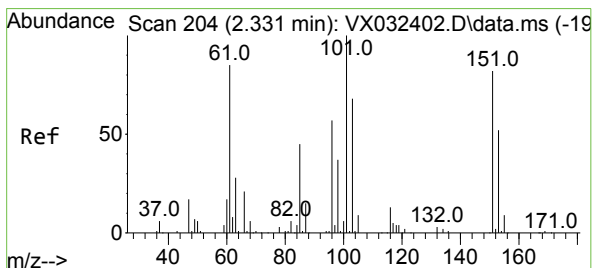
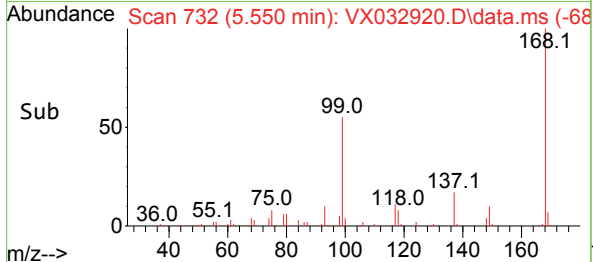
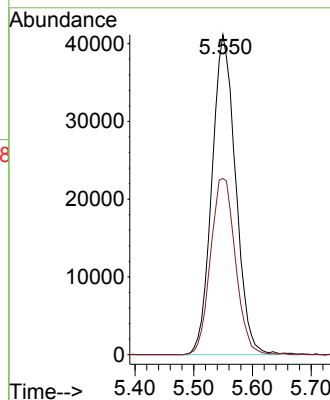
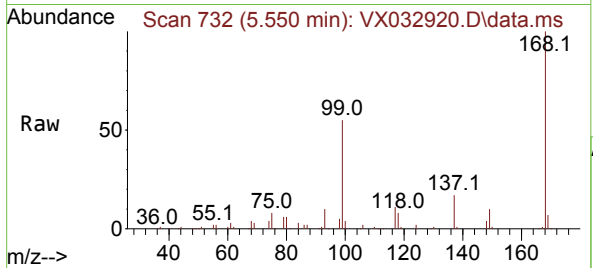




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

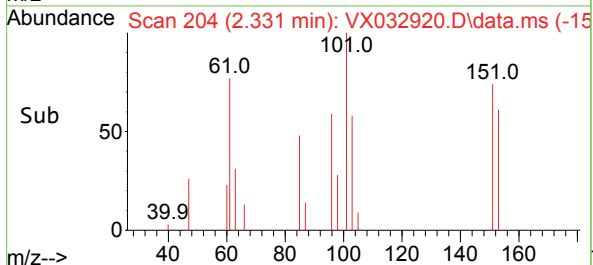
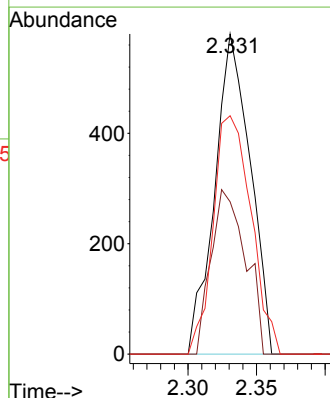
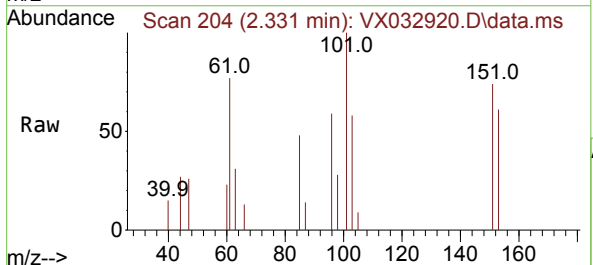
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

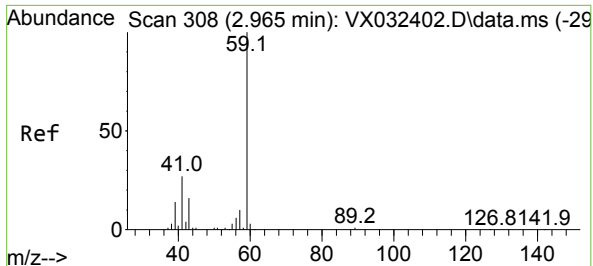
Tgt Ion:168 Resp: 115273
Ion Ratio Lower Upper
168 100
99 55.0 46.1 69.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.847 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion:101 Resp: 1048
Ion Ratio Lower Upper
101 100
85 50.1 37.0 55.4
151 79.6 64.4 96.6





#11

Tert butyl alcohol

Concen: 3.886 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

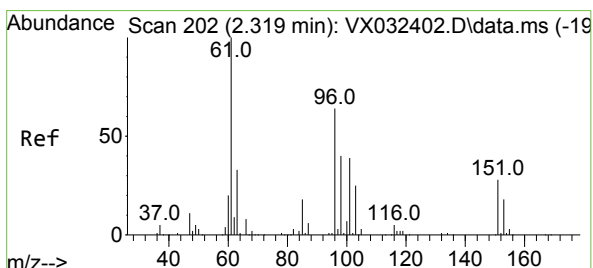
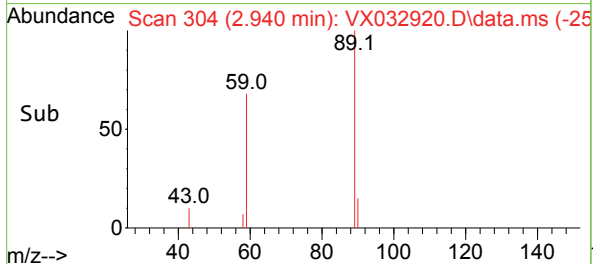
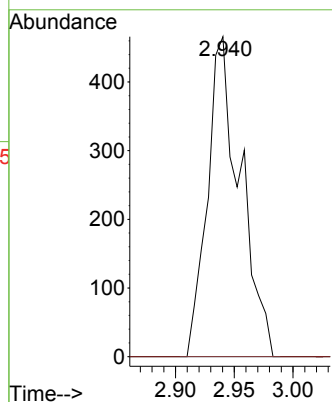
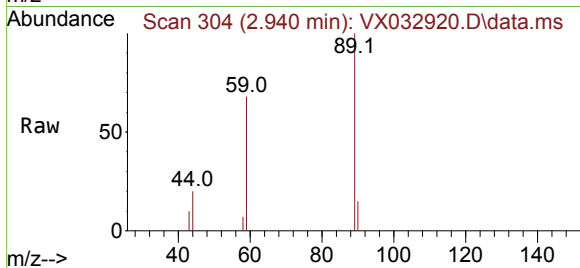
MW179D2-20221115DL

Tgt Ion: 59 Resp: 906

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.543 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

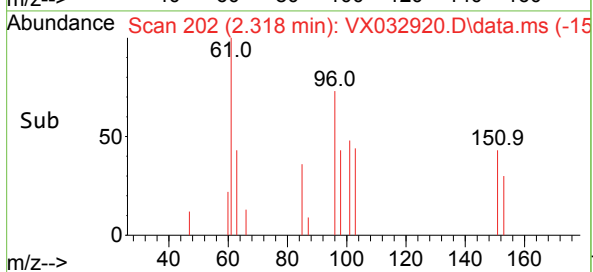
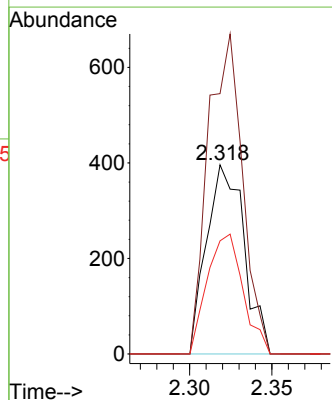
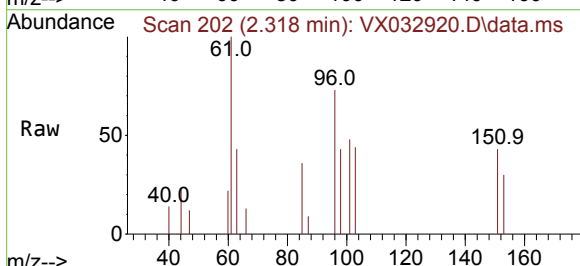
Tgt Ion: 96 Resp: 628

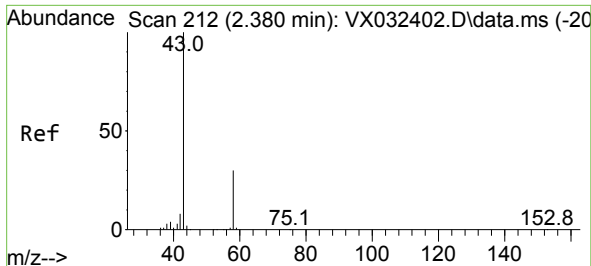
Ion Ratio Lower Upper

96 100

61 137.6 125.1 187.7

98 59.8 50.6 76.0

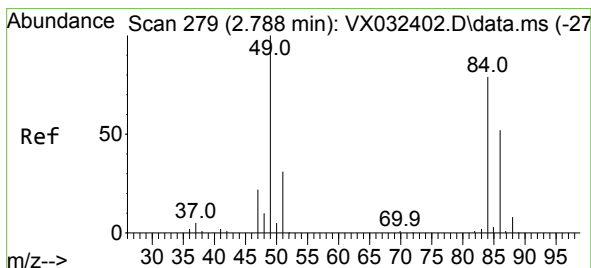
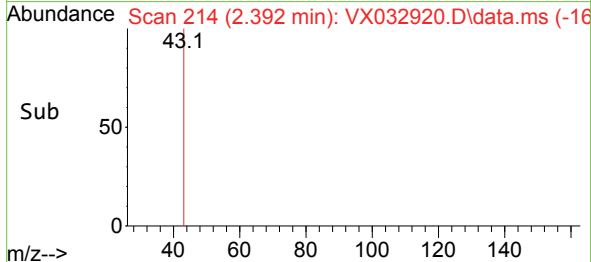
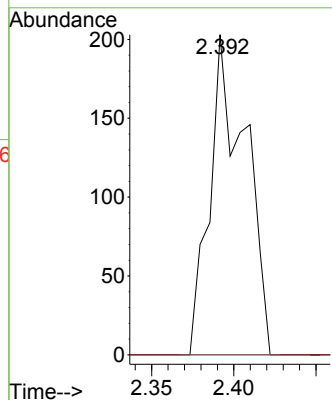
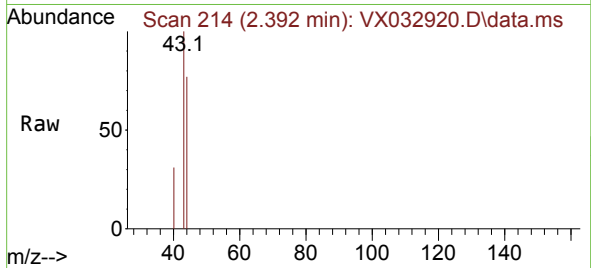




#16
Acetone
Concen: 0.524 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

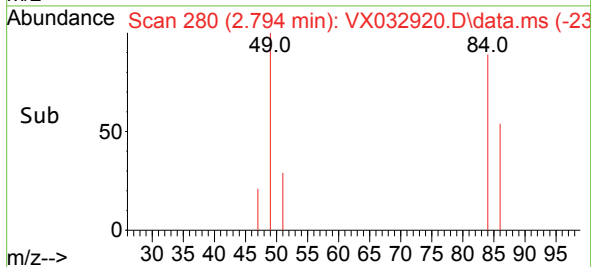
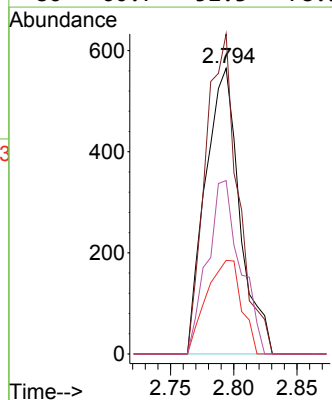
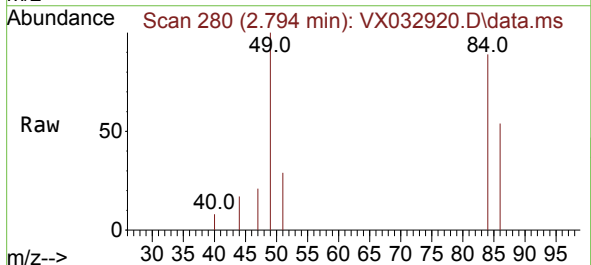
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

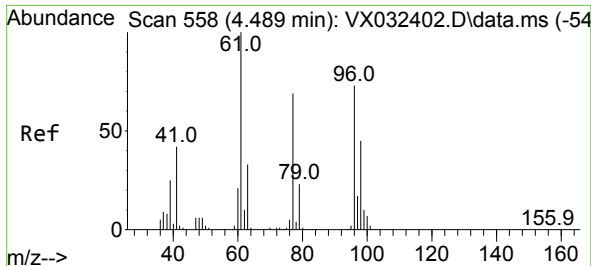
Tgt Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: 0.802 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion: 84 Resp: 1070
Ion Ratio Lower Upper
84 100
49 112.0 101.0 151.6
51 32.7 31.1 46.7
86 60.7 52.3 78.5





#27

cis-1,2-Dichloroethene

Concen: 3.572 ug/l

RT: 4.495 min Scan# 519

Delta R.T. 0.006 min

Lab File: VX032920.D

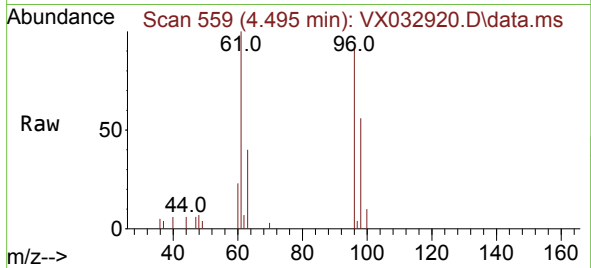
Acq: 18 Nov 2022 13:23

Instrument :

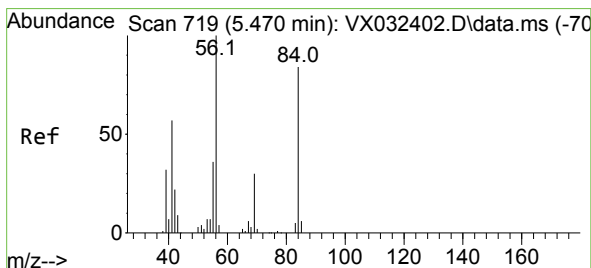
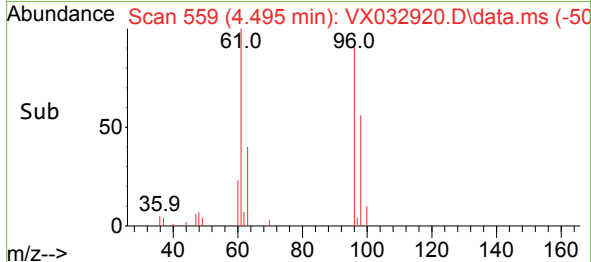
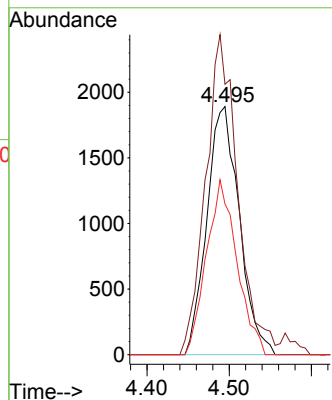
MSVOA_X

ClientSampleId :

MW179D2-20221115DL



Tgt Ion:	96	Resp:	5195
Ion	Ratio	Lower	Upper
96	100		
61	127.2	0.0	286.0
98	66.1	0.0	129.6



#31

Cyclohexane

Concen: 1.370 ug/l

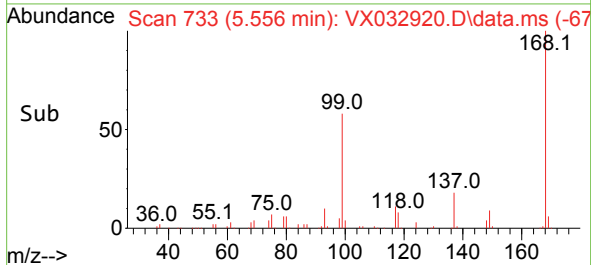
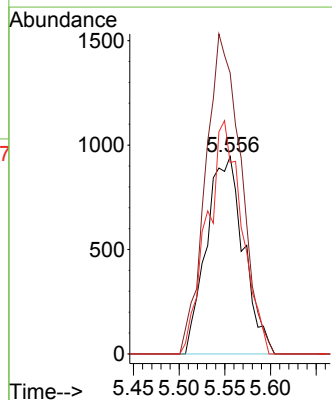
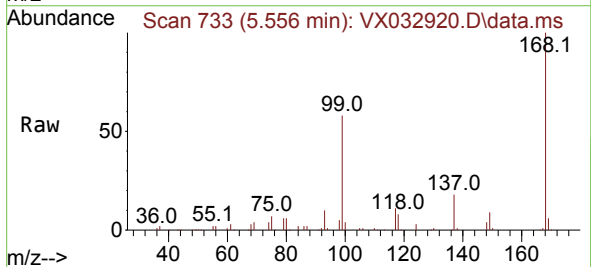
RT: 5.556 min Scan# 733

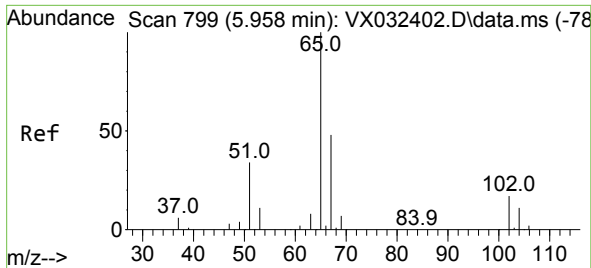
Delta R.T. 0.085 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

Tgt Ion:	56	Resp:	2661
Ion	Ratio	Lower	Upper
56	100		
69	142.4	24.1	36.1#
84	97.0	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 51.675 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

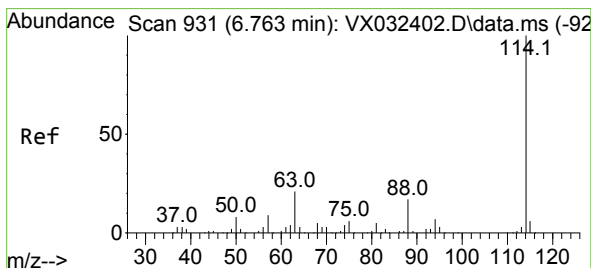
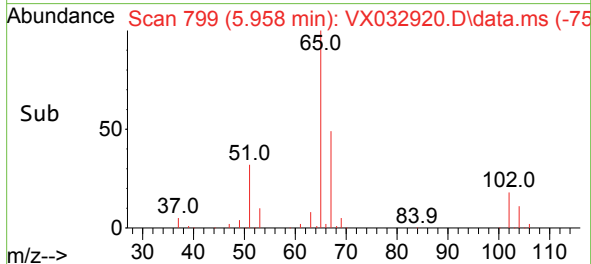
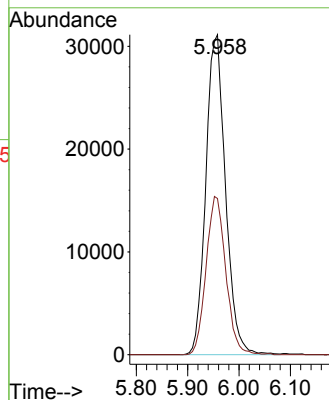
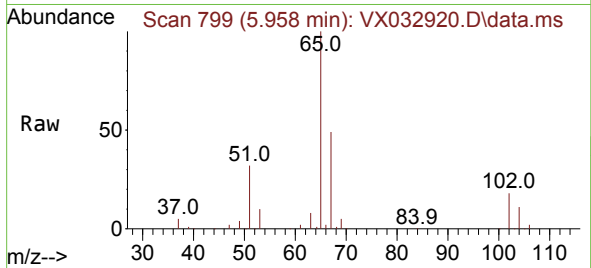
MW179D2-20221115DL

Tgt Ion: 65 Resp: 82767

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

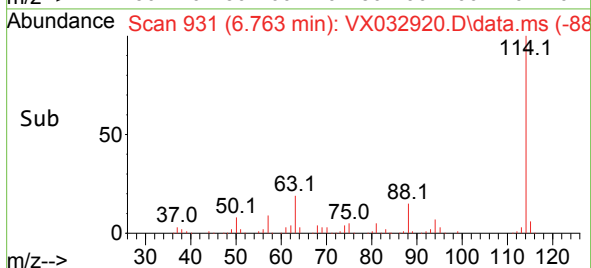
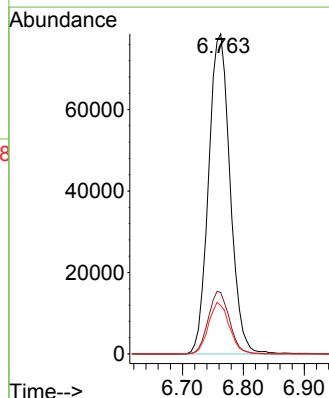
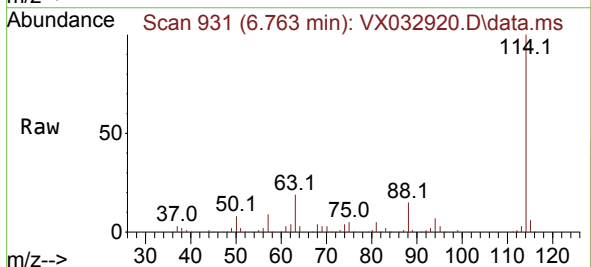
Tgt Ion: 114 Resp: 192399

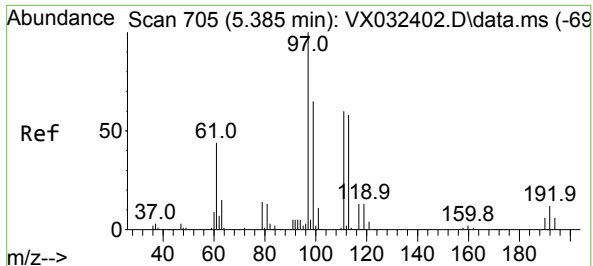
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.6

88 15.1 0.0 33.4

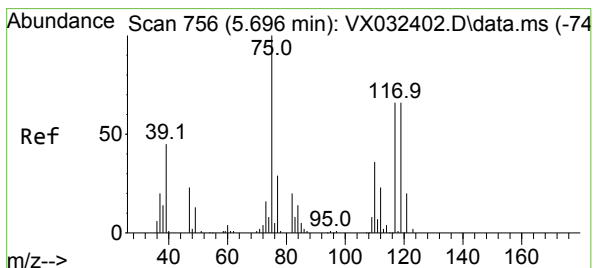
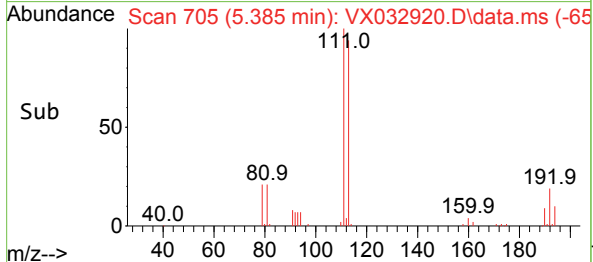
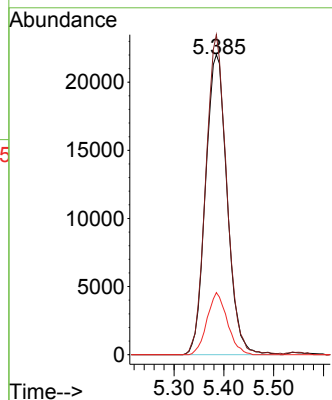
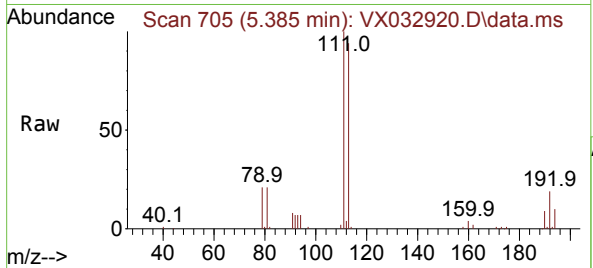




#35
Dibromofluoromethane
Concen: 48.268 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

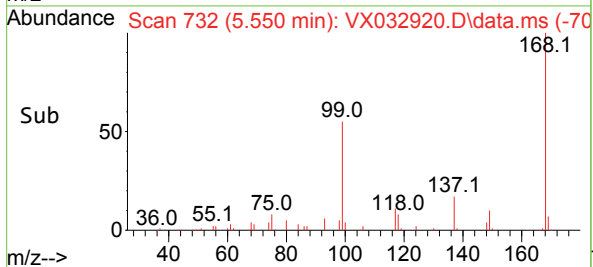
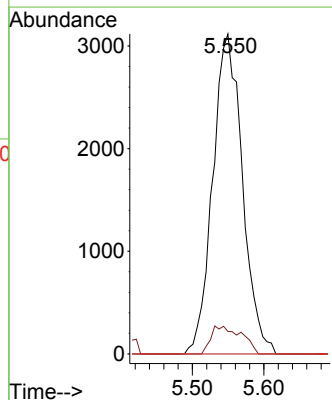
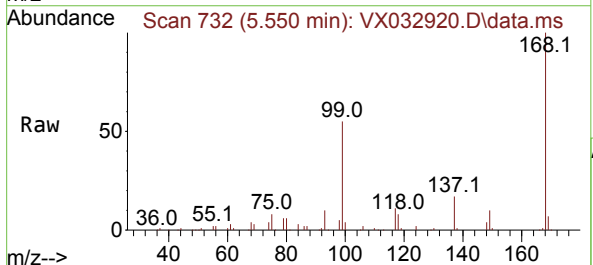
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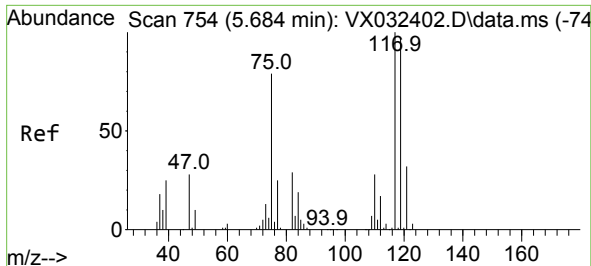
Tgt Ion:113 Resp: 66243
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 19.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

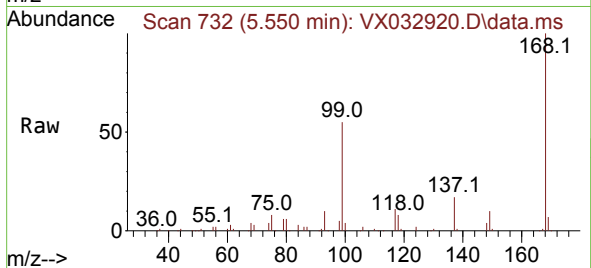
Tgt Ion: 75 Resp: 8962
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.5 36.7#



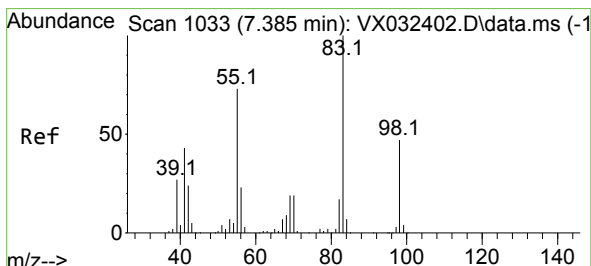
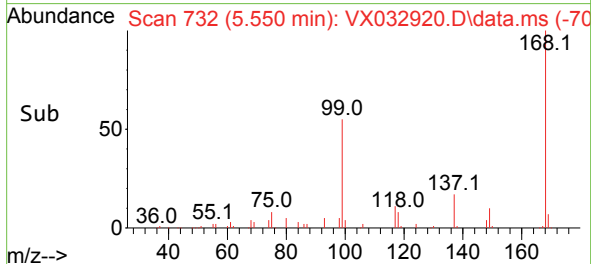
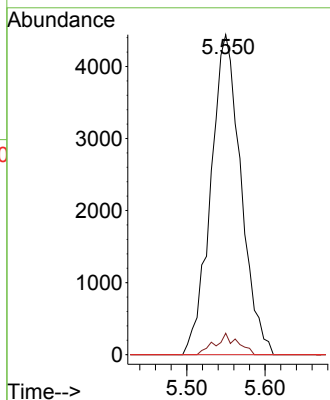


#38
Carbon Tetrachloride
Concen: 5.605 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

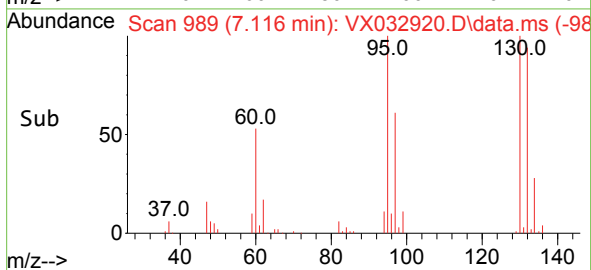
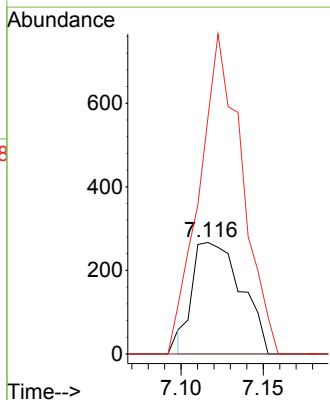
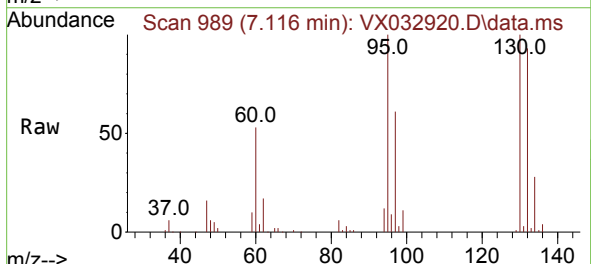


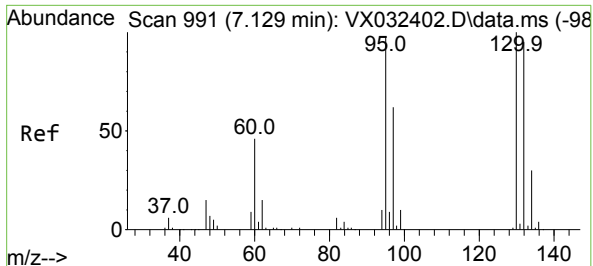
Tgt Ion:117 Resp: 11880
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.243 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.268 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion: 83 Resp: 549
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 212.0 37.2 55.8#

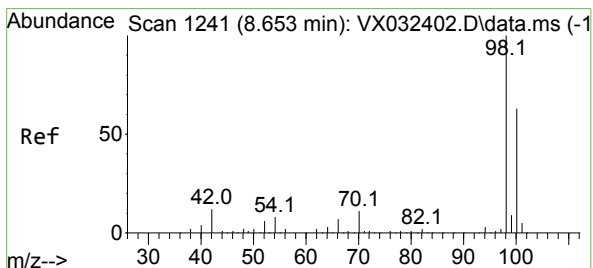
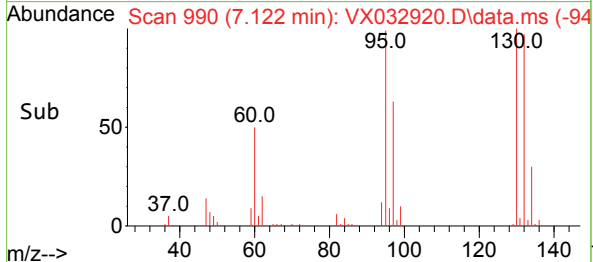
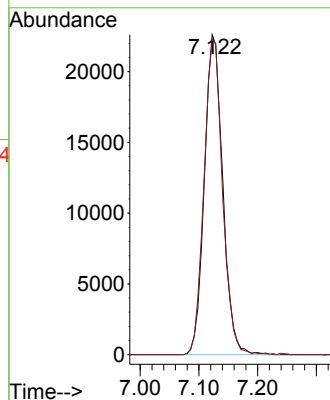
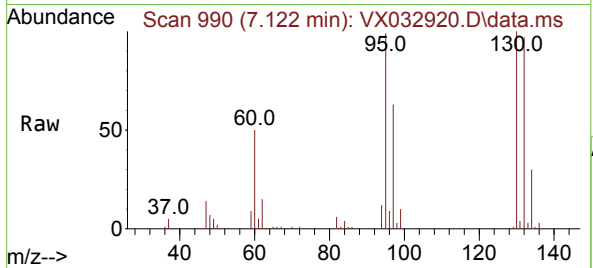




#44
Trichloroethene
Concen: 32.187 ug/l
RT: 7.122 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

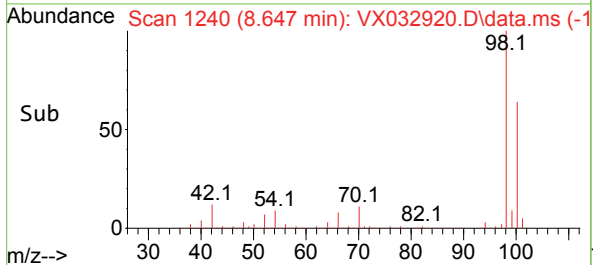
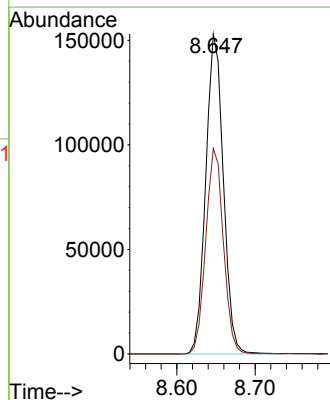
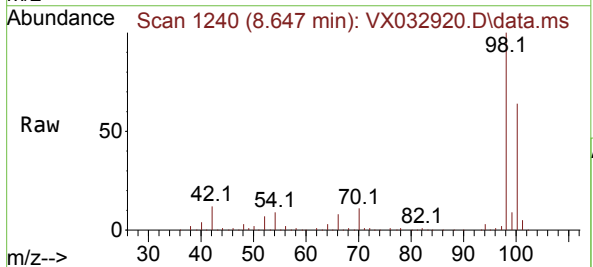
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

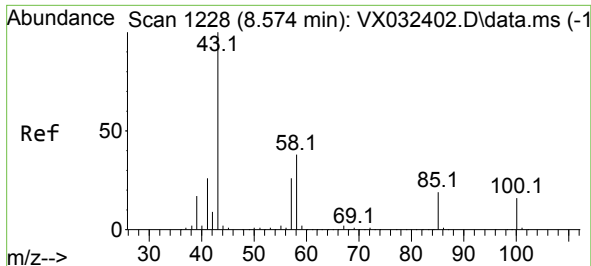
Tgt Ion:130 Resp: 49003
Ion Ratio Lower Upper
130 100
95 98.5 0.0 195.2



#50
Toluene-d8
Concen: 49.977 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion: 98 Resp: 238498
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3

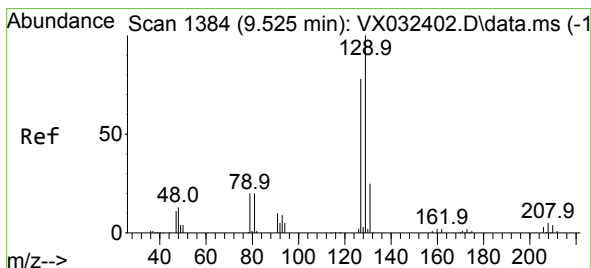
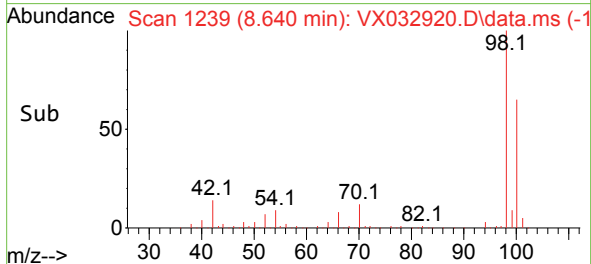
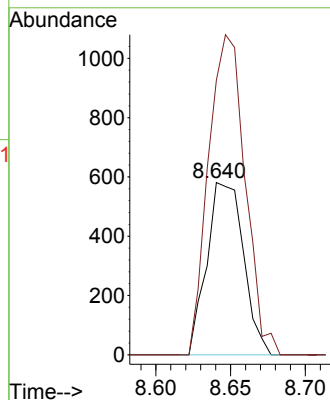
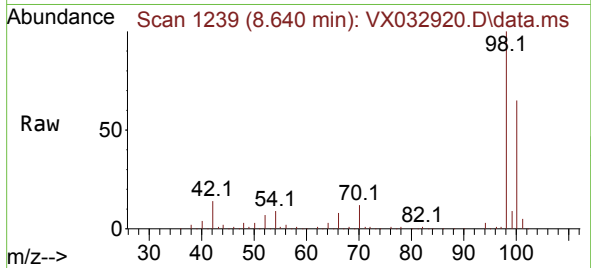




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.640 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

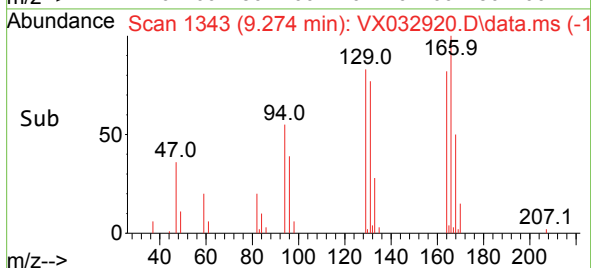
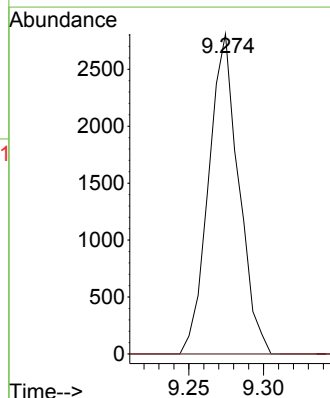
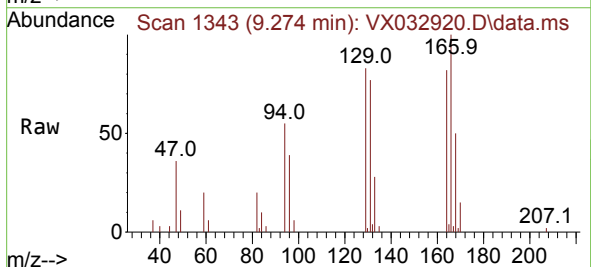
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

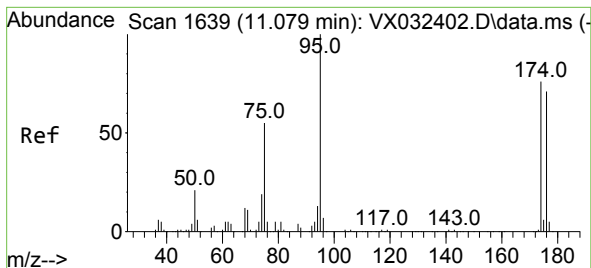
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 186.0 30.9 46.3#



#60
Dibromochloromethane
Concen: 2.426 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion: 129 Resp: 3937
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

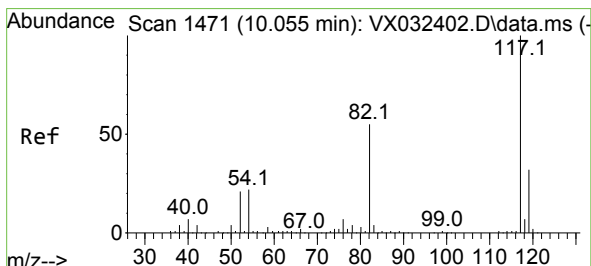
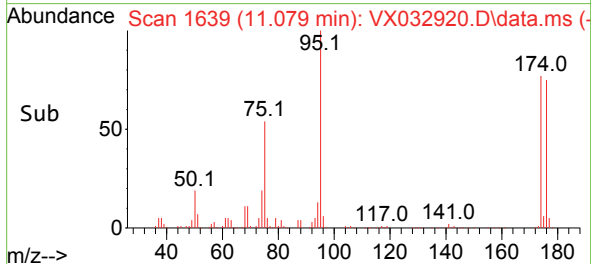
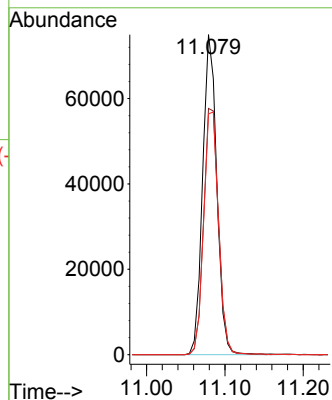
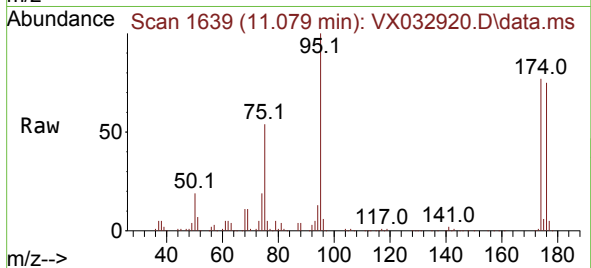




#62
4-Bromofluorobenzene
Concen: 50.421 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

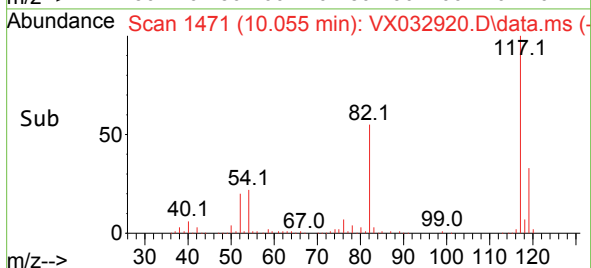
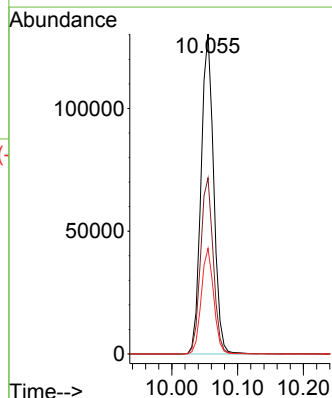
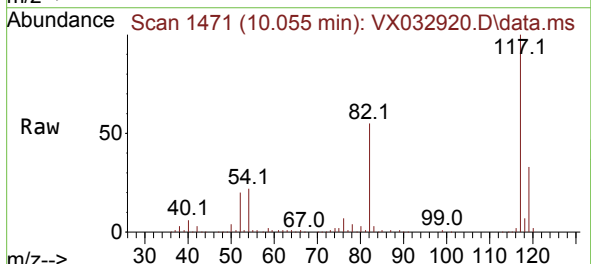
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

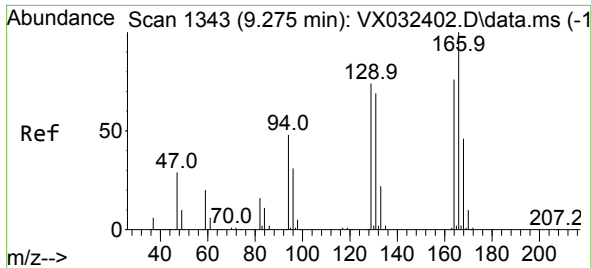
Tgt Ion: 95 Resp: 93991
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 79.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion: 117 Resp: 174204
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 33.0 25.7 38.5

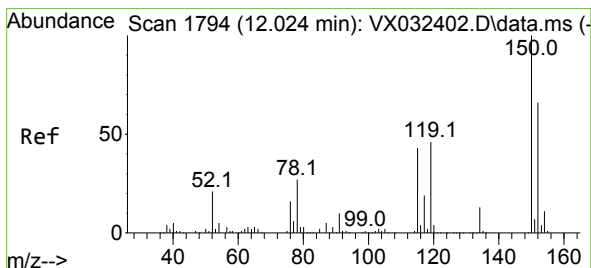
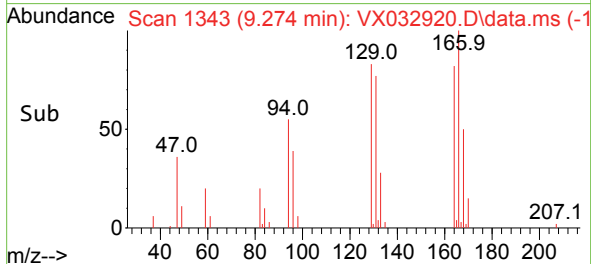
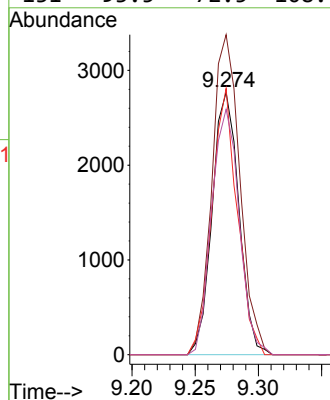
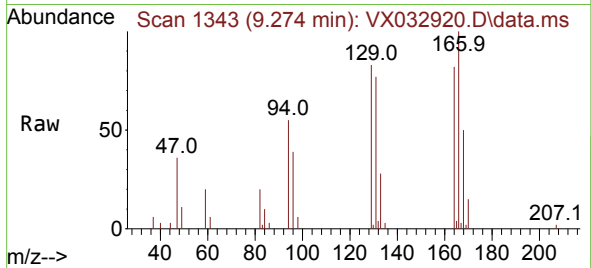




#64
Tetrachloroethene
Concen: 3.183 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

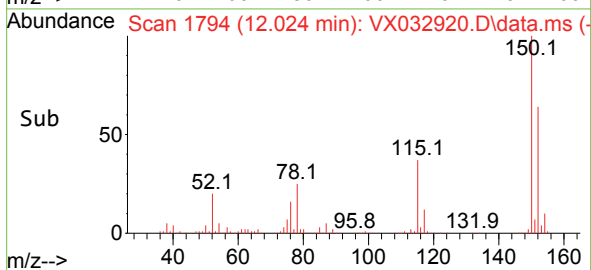
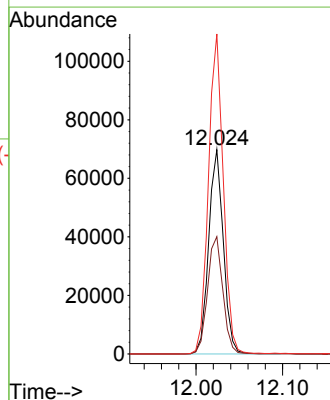
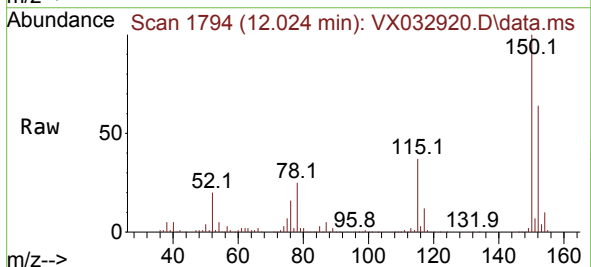
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL

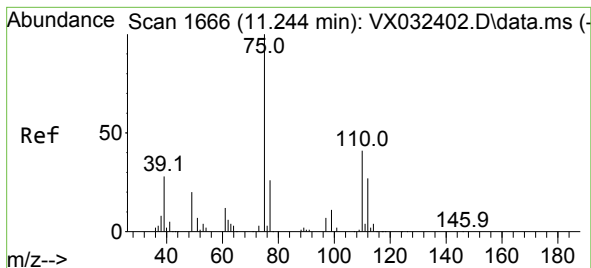
Tgt Ion:164 Resp: 4058
Ion Ratio Lower Upper
164 100
166 121.9 105.4 158.2
129 101.4 78.2 117.2
131 93.5 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Tgt Ion:152 Resp: 82207
Ion Ratio Lower Upper
152 100
115 59.8 44.0 132.0
150 158.0 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 27.942 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

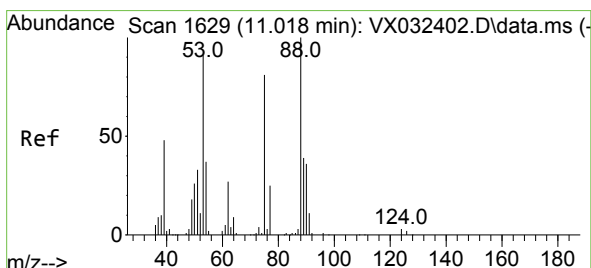
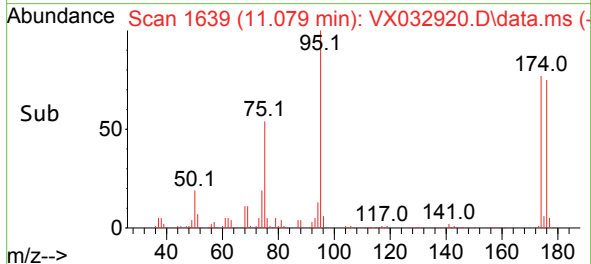
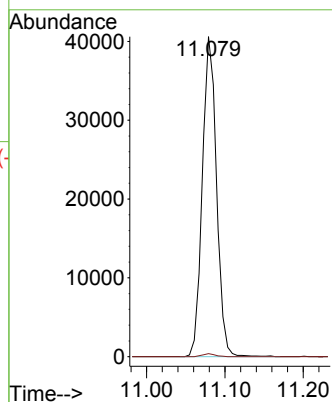
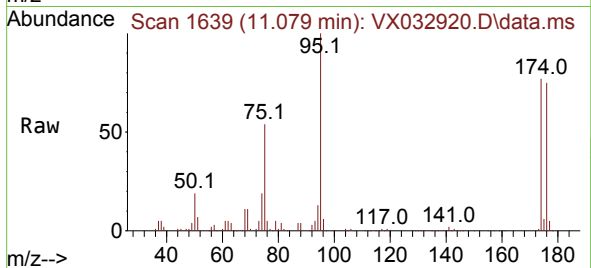
MW179D2-20221115DL

Tgt Ion: 75 Resp: 51103

Ion Ratio Lower Upper

75 100

77 0.9 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.912 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032920.D

Acq: 18 Nov 2022 13:23

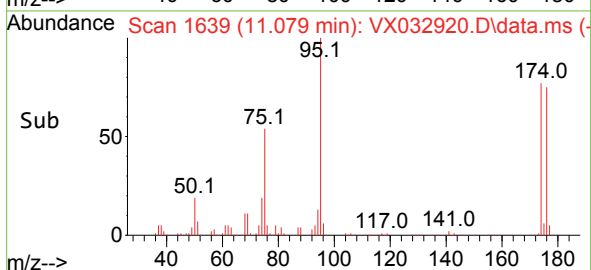
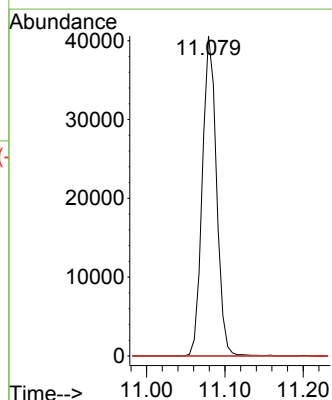
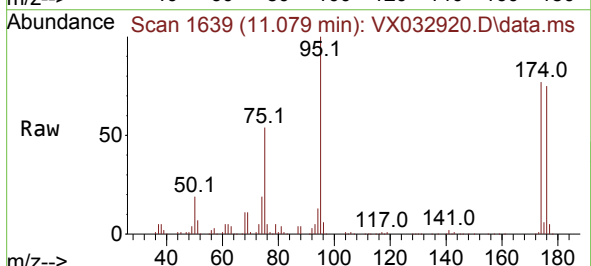
Tgt Ion: 75 Resp: 51103

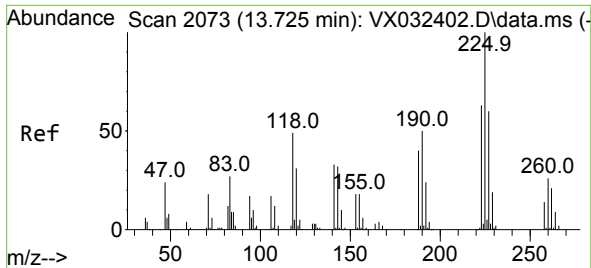
Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

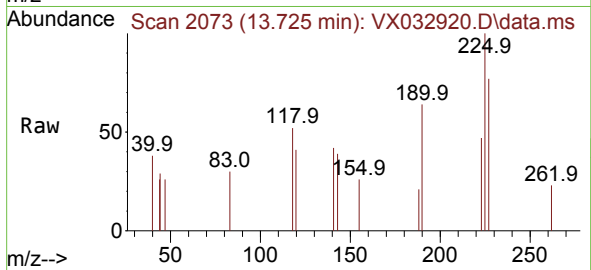
89 0.0 38.3 57.5#





#94
Hexachlorobutadiene
Concen: 0.419 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX032920.D
Acq: 18 Nov 2022 13:23

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115DL



Tgt Ion:	225	Resp:	339
Ion	Ratio	Lower	Upper
225	100		
223	50.1	31.9	95.9
227	57.8	31.9	95.5

