

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075541.D
 Acq On : 02 Dec 2022 18:53
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 03 00:37:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

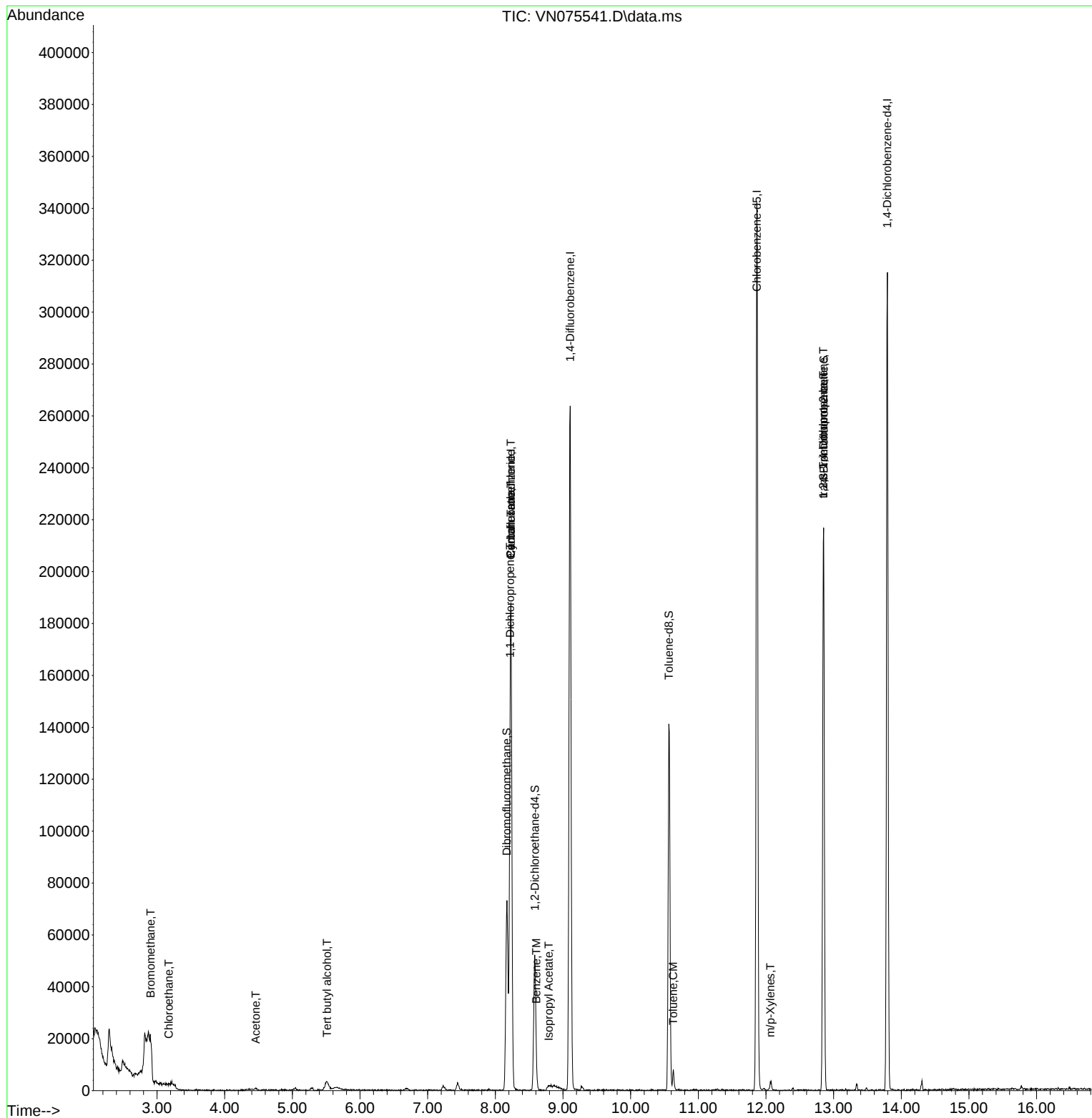
Internal Standards						
1) Pentafluorobenzene	8.230	168	151905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40859	50.109	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.171	113	52306	53.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.120%			
50) Toluene-d8	10.565	98	105012	47.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.853	95	73974	45.564	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.120%			
Target Compounds					Qvalue	
5) Bromomethane	2.907	94	329	0.205	ug/l	95
6) Chloroethane	3.171	64	814	0.590	ug/l #	45
11) Tert butyl alcohol	5.512	59	3672	10.727	ug/l #	72
16) Acetone	4.459	43	385	0.506	ug/l #	43
18) Methyl Acetate	5.048	43	1586	Below Cal	#	78
20) Methylene Chloride	5.289	84	762	Below Cal	#	60
31) Cyclohexane	8.230	56	2747	1.060	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	10638	4.995	ug/l #	51
38) Carbon Tetrachloride	8.230	117	14623	6.250	ug/l #	15
40) Benzene	8.606	78	1896	0.291	ug/l #	89
43) Isopropyl Acetate	8.788	43	1522	0.494	ug/l #	53
52) Toluene	10.630	92	3559	0.847	ug/l	98
68) m/p-Xylenes	12.065	106	1428	0.466	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	37842	21.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	37842	65.001	ug/l #	10

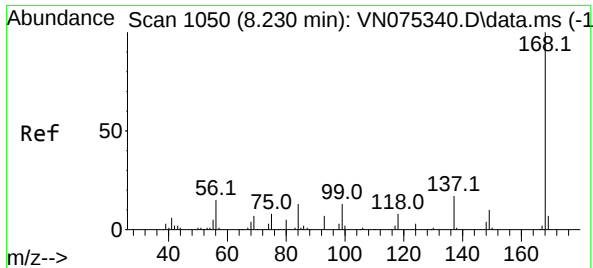
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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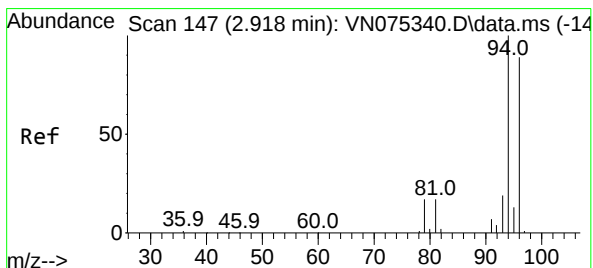
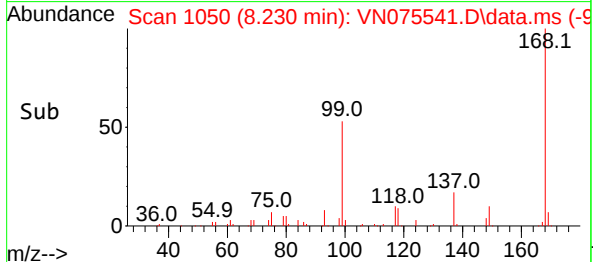
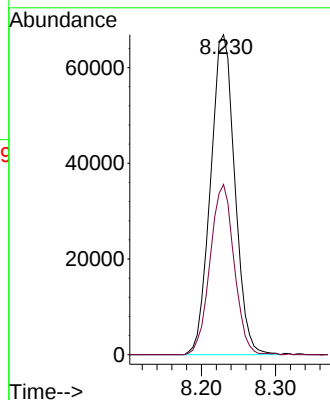
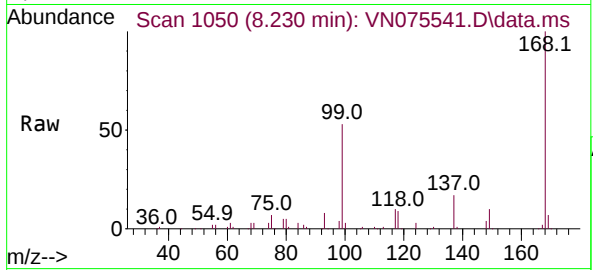




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

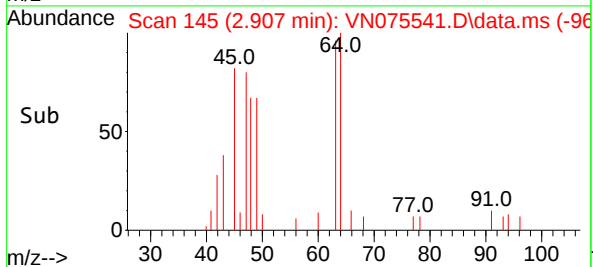
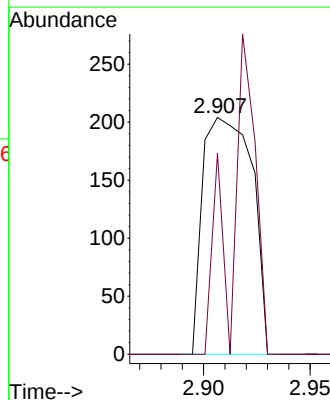
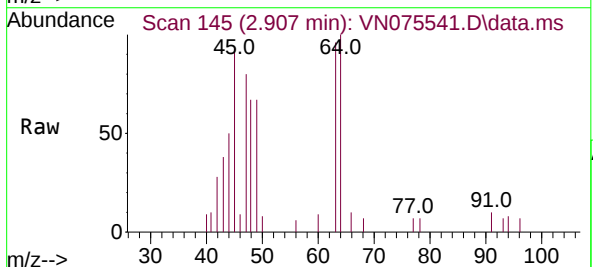
Instrument :
MSVOA_N
ClientSampleId :
IBLK

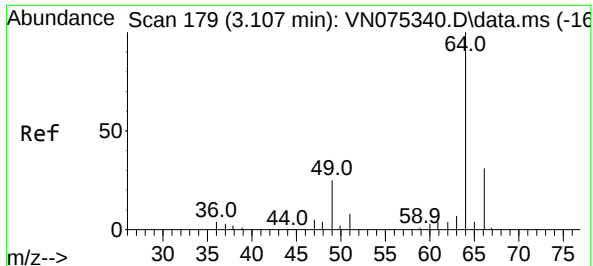
Tgt Ion:168 Resp: 151905
Ion Ratio Lower Upper
168 100
99 53.2 51.6 77.4



#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.907 min Scan# 145
Delta R.T. -0.011 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 84.8 71.8 107.6

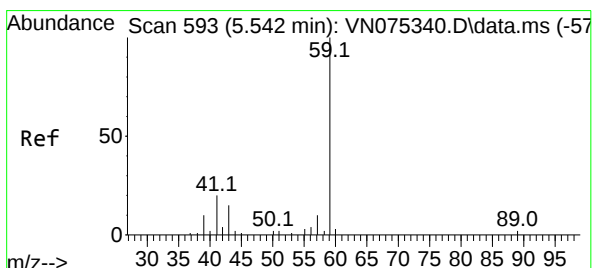
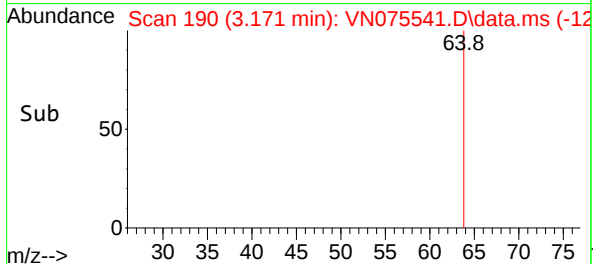
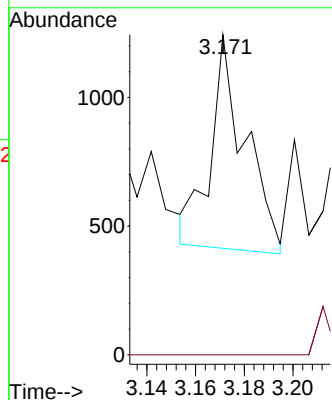
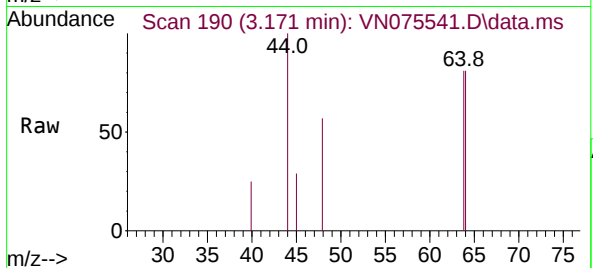




#6
Chloroethane
Concen: 0.590 ug/l
RT: 3.171 min Scan# 190
Delta R.T. 0.064 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

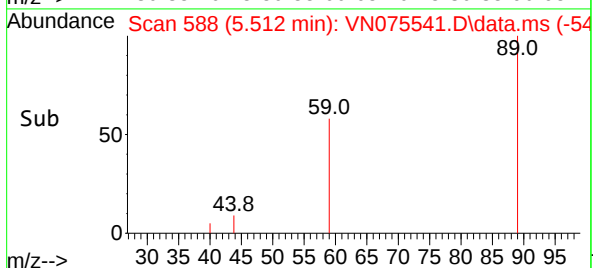
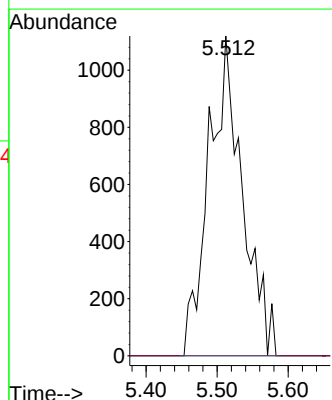
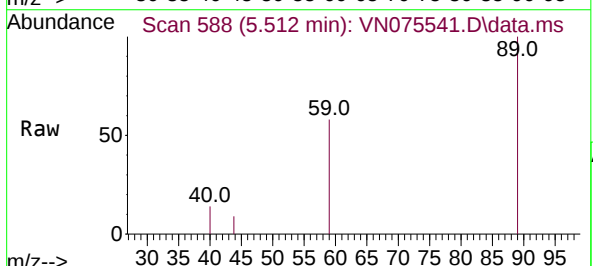
Instrument :
MSVOA_N
ClientSampleId :
IBLK

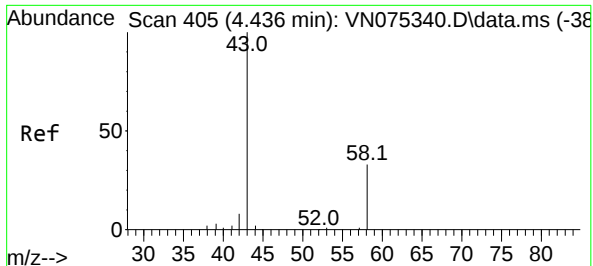
Tgt Ion: 64 Resp: 814
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 10.727 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion: 59 Resp: 3672
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.506 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.023 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

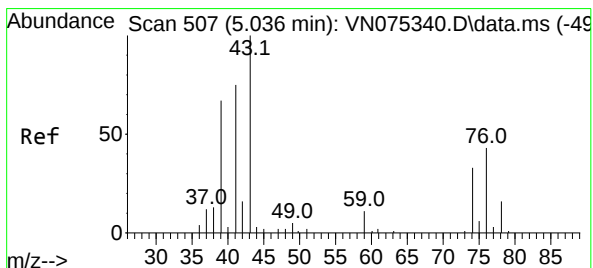
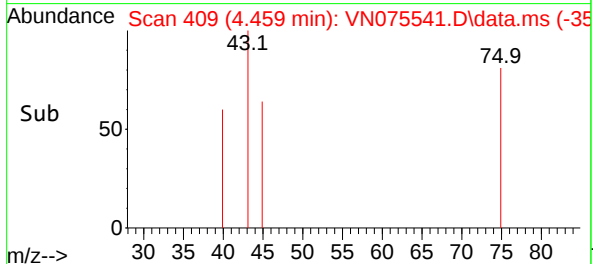
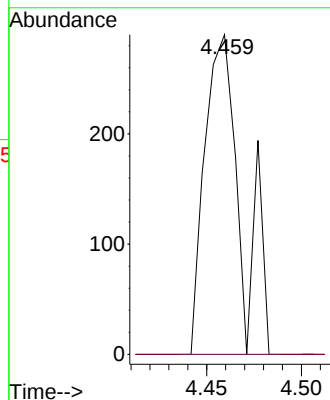
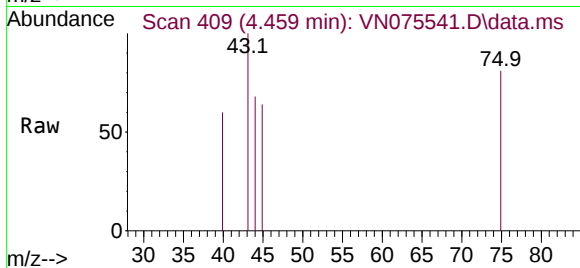
IBLK

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.048 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN075541.D

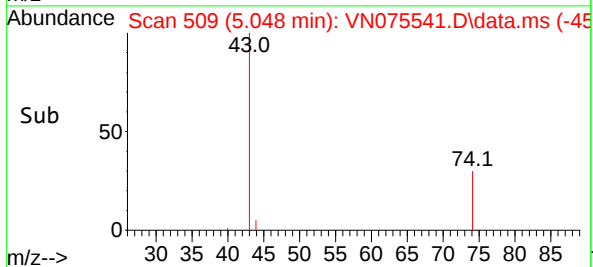
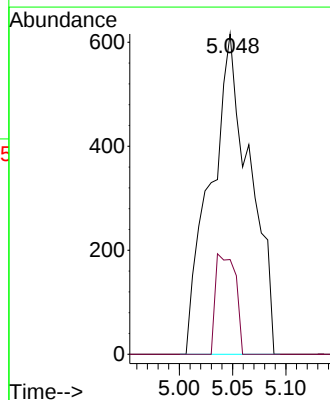
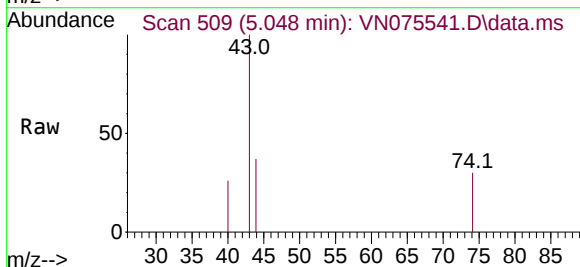
Acq: 02 Dec 2022 18:53

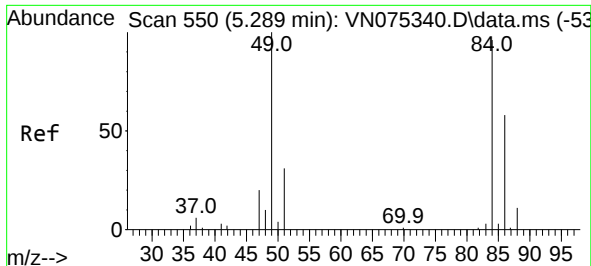
Tgt Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

74 15.8 22.0 33.0#

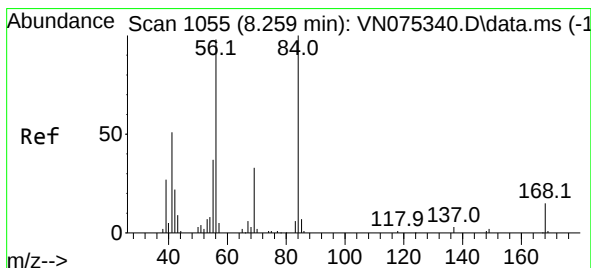
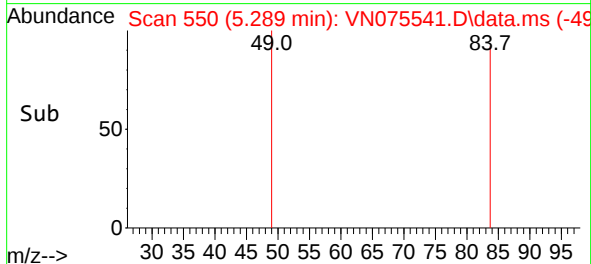
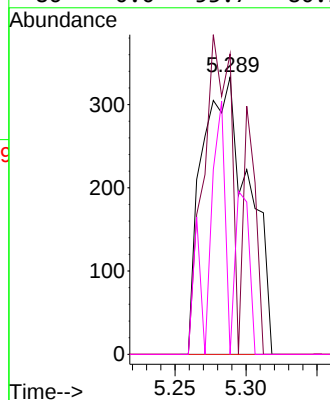
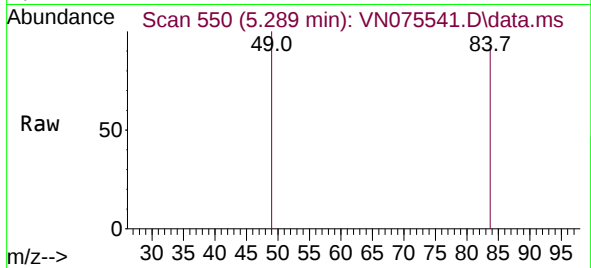




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

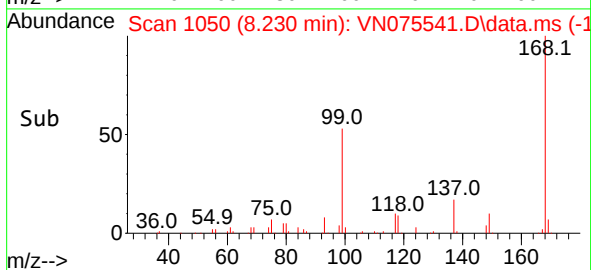
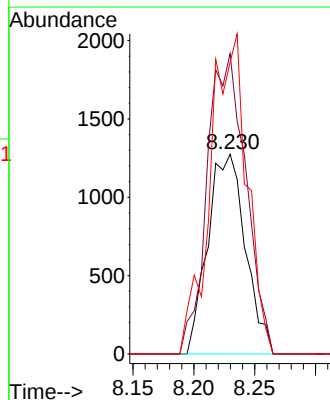
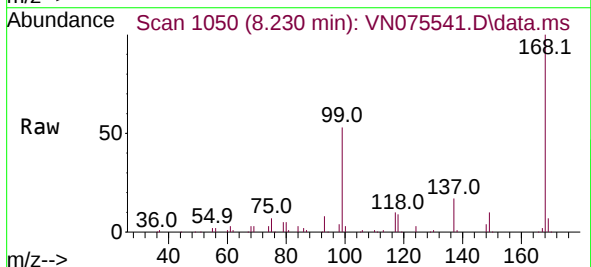
Instrument :
MSVOA_N
ClientSampleId :
IBLK

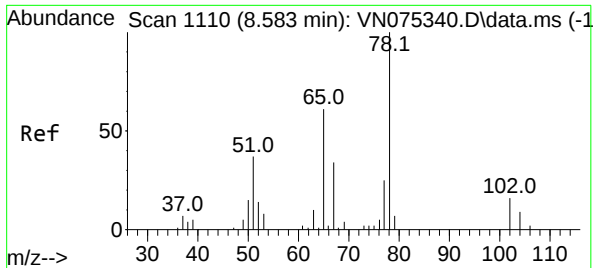
Tgt Ion: 84	Resp: 762
Ion Ratio	Lower Upper
84 100	
49 108.4	94.9 142.3
51 0.0	26.8 40.2#
86 0.0	53.7 80.5#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion: 56	Resp: 2747		
Ion Ratio	Lower	Upper	
56	100		
69	150.4	25.2	37.8#
84	146.2	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 50.109 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

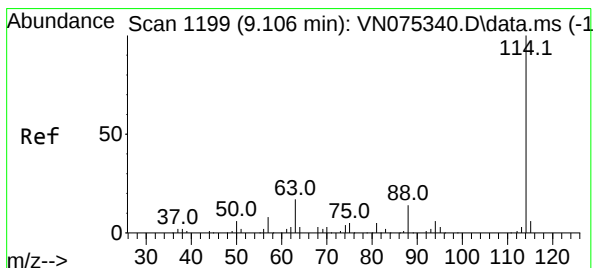
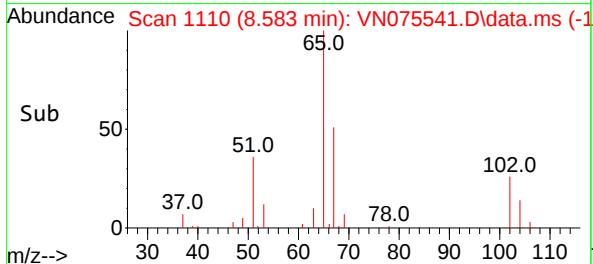
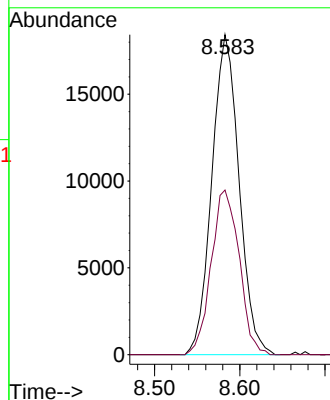
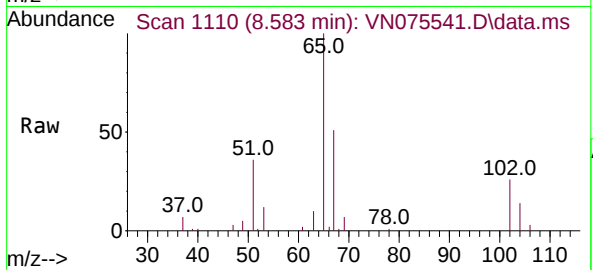
IBLK

Tgt Ion: 65 Resp: 40859

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

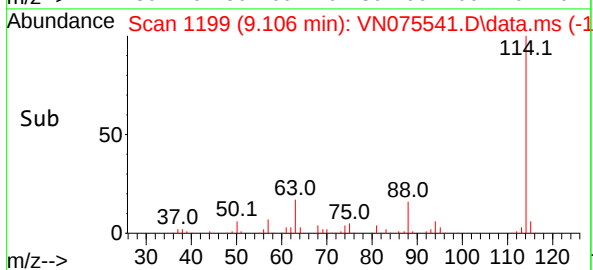
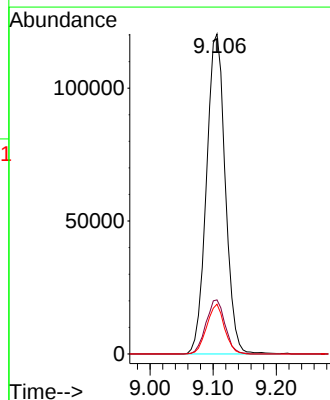
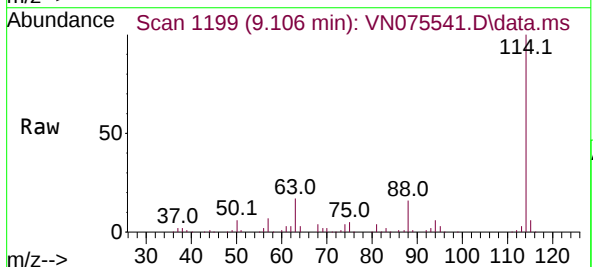
Tgt Ion:114 Resp: 248603

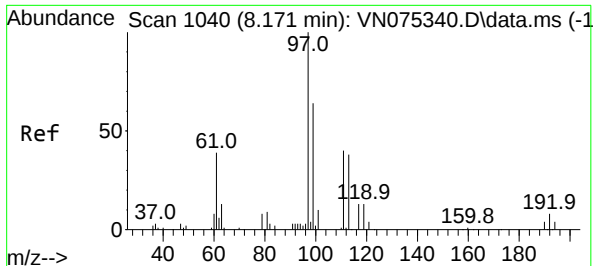
Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.560 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

IBLK

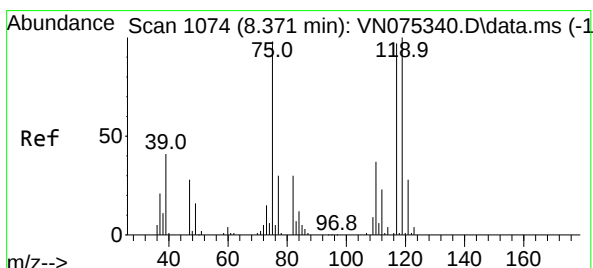
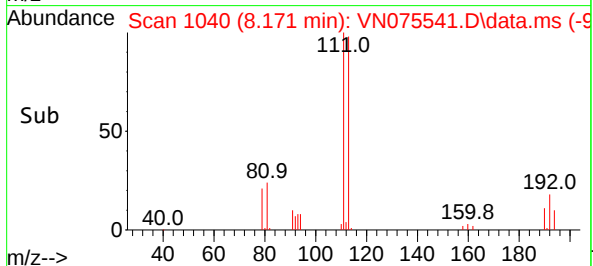
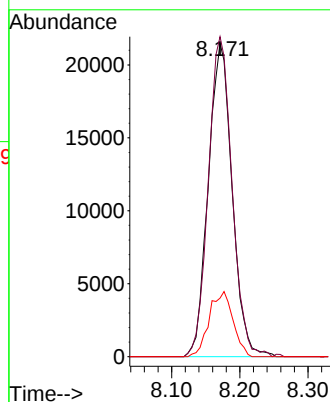
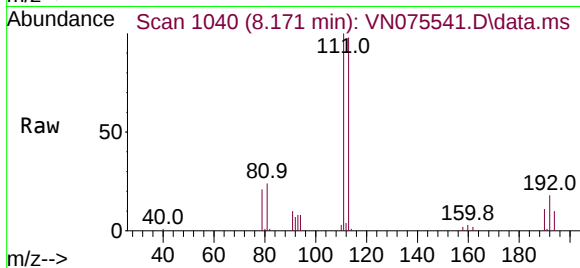
Tgt Ion:113 Resp: 52306

Ion Ratio Lower Upper

113 100

111 101.5 80.5 120.7

192 20.8 13.2 19.8#



#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 8.218 min Scan# 1048

Delta R.T. -0.153 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

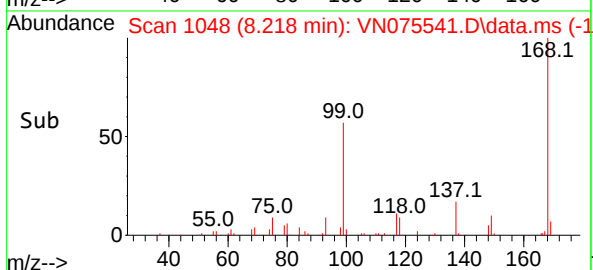
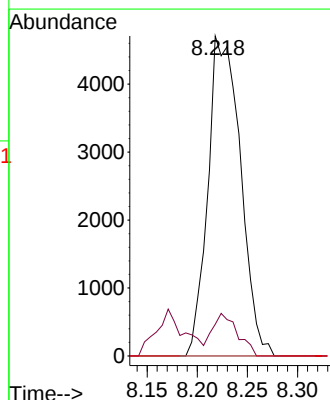
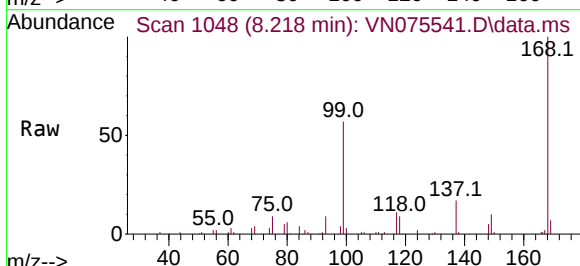
Tgt Ion: 75 Resp: 10638

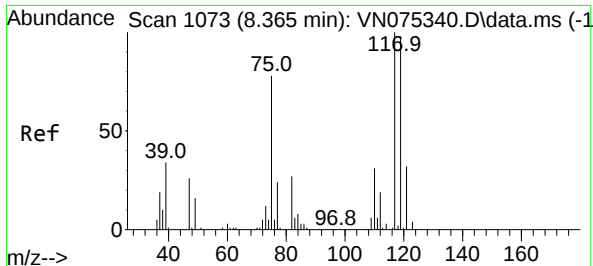
Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.3#

77 0.0 24.6 37.0#

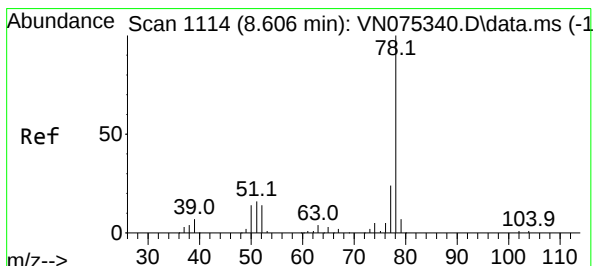
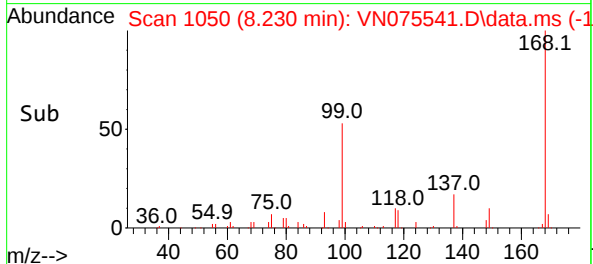
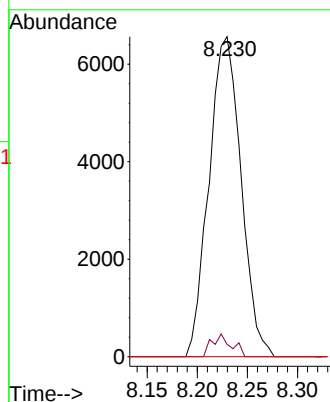
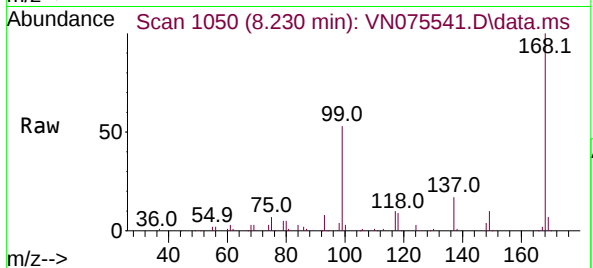




#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

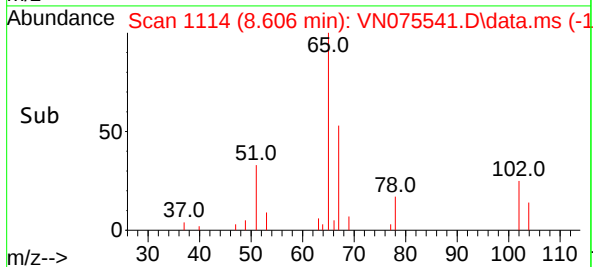
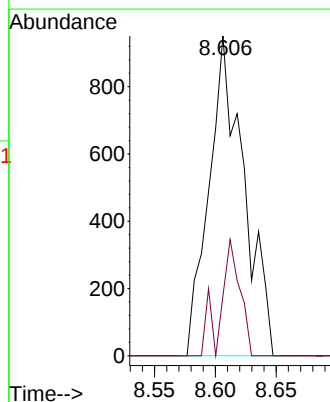
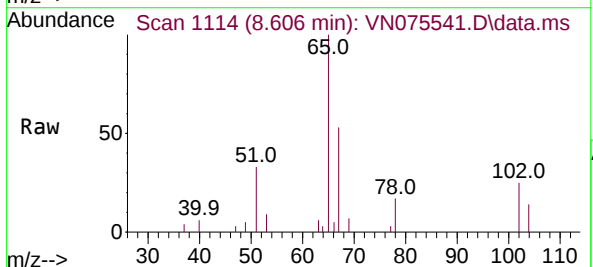
Instrument :
MSVOA_N
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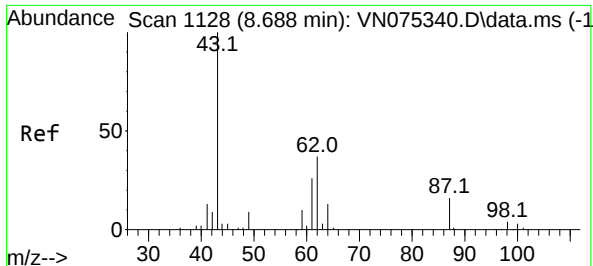
Tgt Ion:117 Resp: 14623
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 0.291 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion: 78 Resp: 1896
Ion Ratio Lower Upper
78 100
77 18.7 19.4 29.0#





#43

Isopropyl Acetate

Concen: 0.494 ug/l

RT: 8.788 min Scan# 1128

Delta R.T. 0.100 min

Lab File: VN075541.D

Acq: 02 Dec 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

IBLK

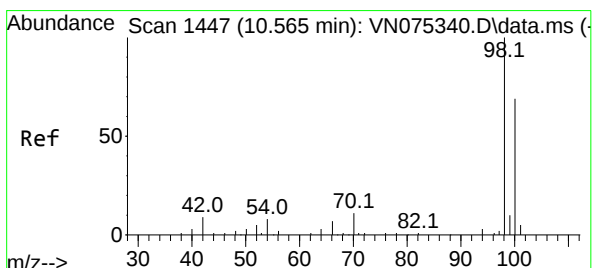
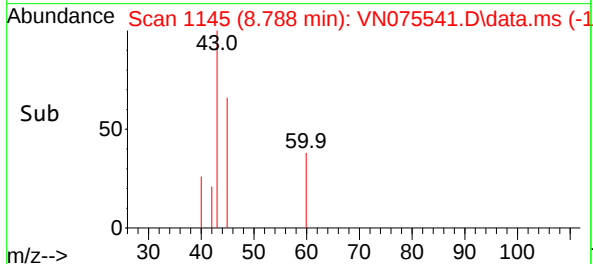
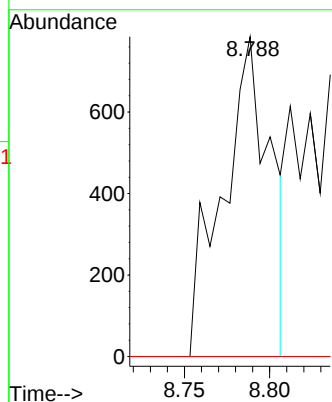
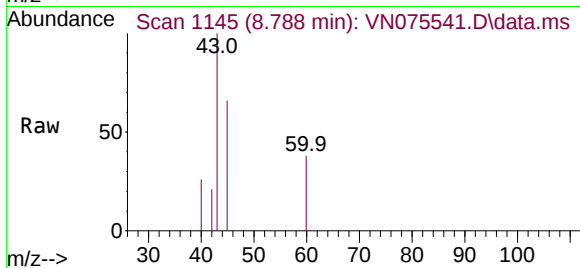
Tgt Ion: 43 Resp: 1522

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#50

Toluene-d8

Concen: 47.742 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN075541.D

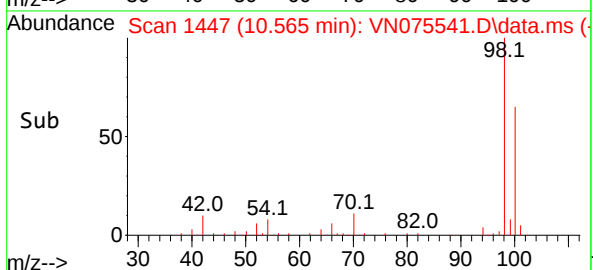
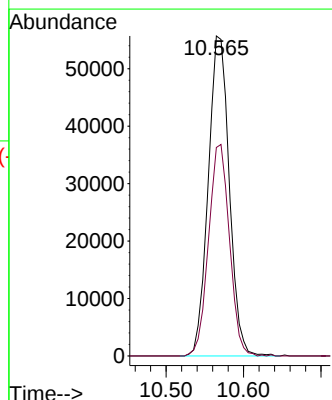
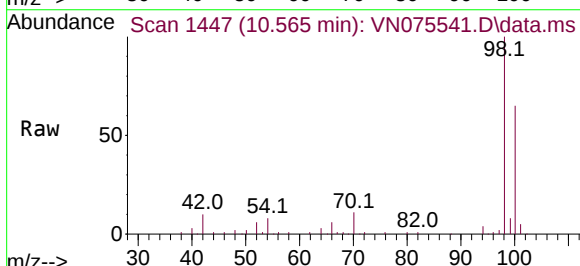
Acq: 02 Dec 2022 18:53

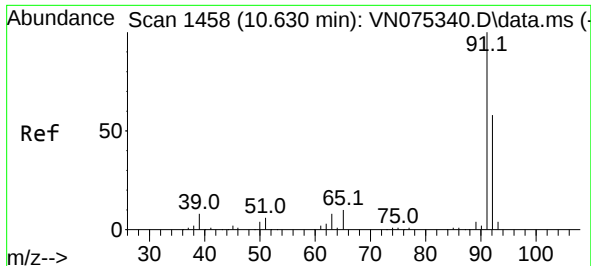
Tgt Ion: 98 Resp: 105012

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

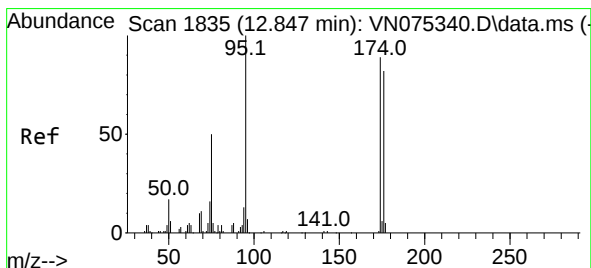
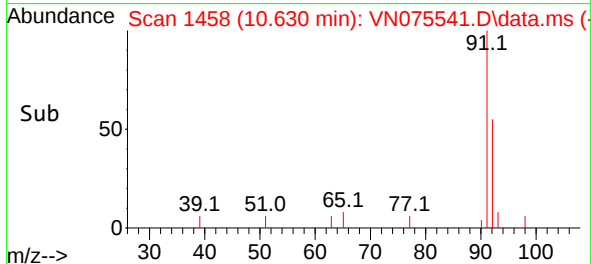
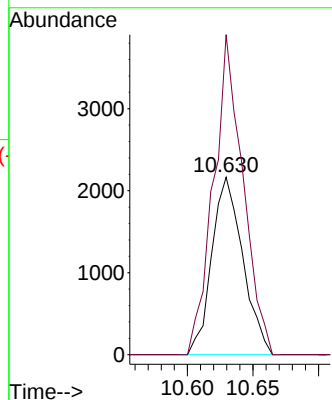
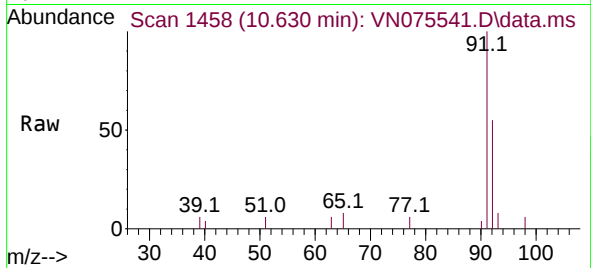




#52
Toluene
Concen: 0.847 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

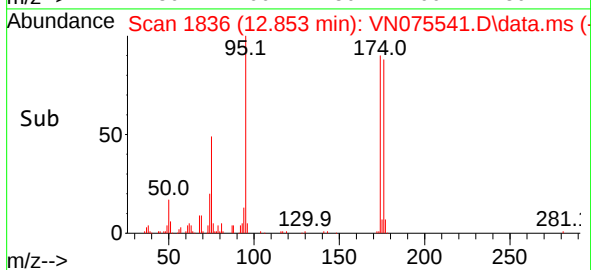
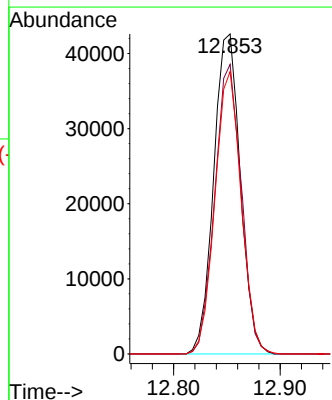
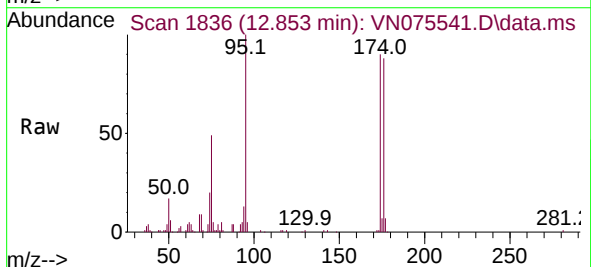
Instrument :
MSVOA_N
ClientSampleId :
IBLK

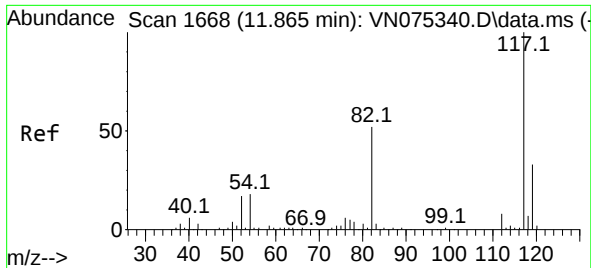
Tgt Ion: 92 Resp: 3559
Ion Ratio Lower Upper
92 100
91 171.5 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 45.564 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion: 95 Resp: 73974
Ion Ratio Lower Upper
95 100
174 89.7 0.0 147.4
176 86.9 0.0 142.2

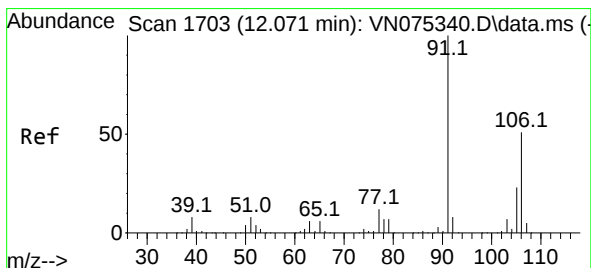
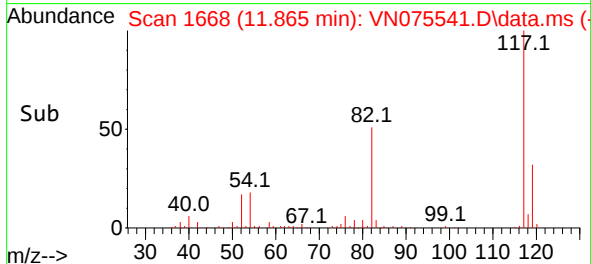
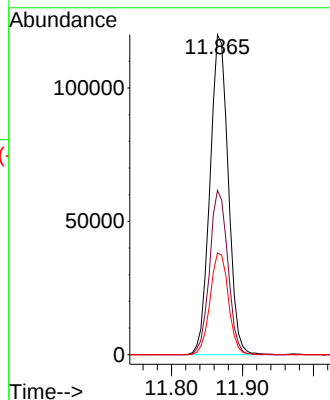
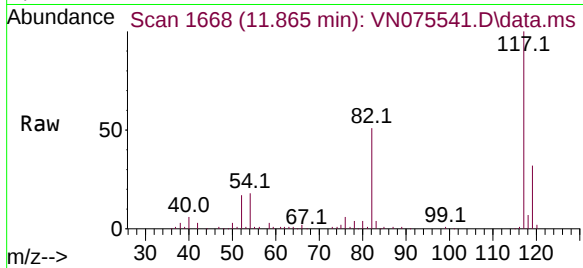




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

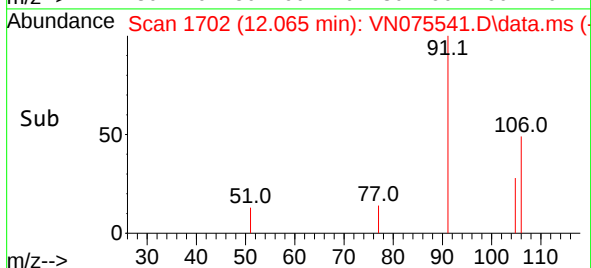
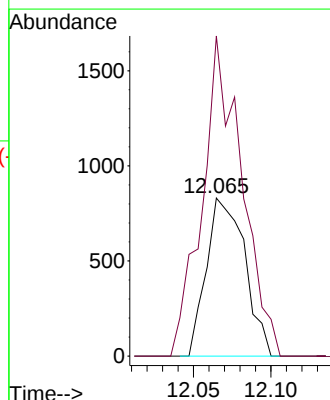
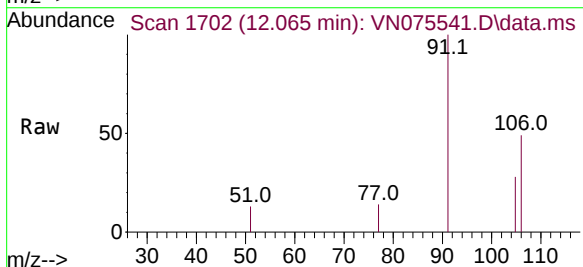
Instrument :
MSVOA_N
ClientSampleId :
IBLK

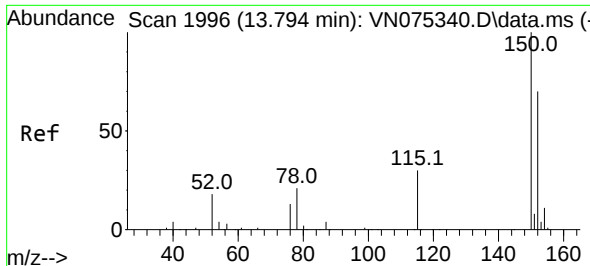
Tgt Ion:117 Resp: 214394
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 0.466 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN075541.D
Acq: 02 Dec 2022 18:53

Tgt Ion:106 Resp: 1428
Ion Ratio Lower Upper
106 100
91 209.2 156.0 234.0

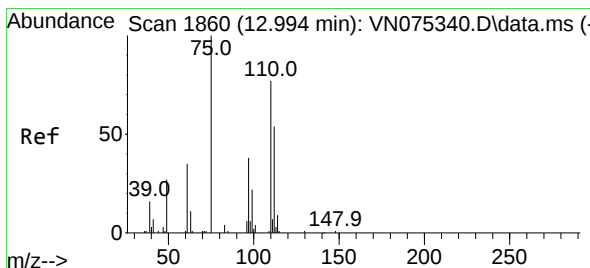
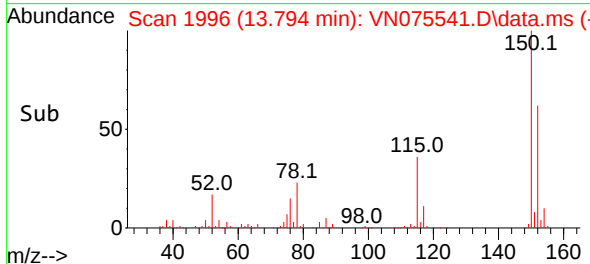
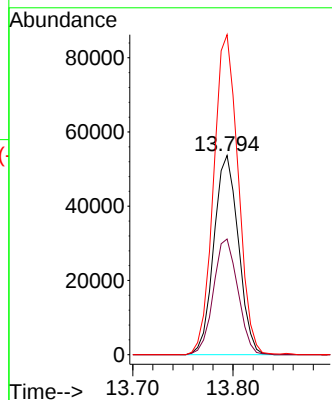
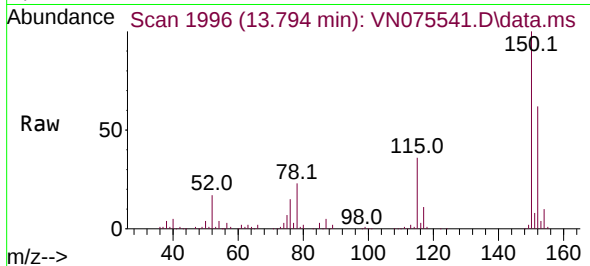




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075541.D
 Acq: 02 Dec 2022 18:53

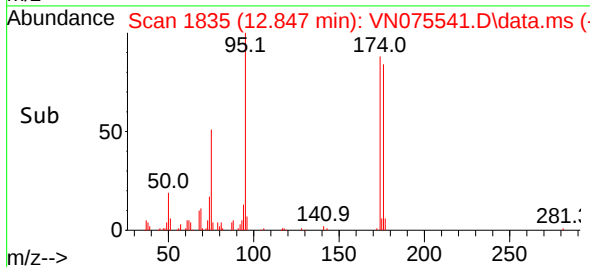
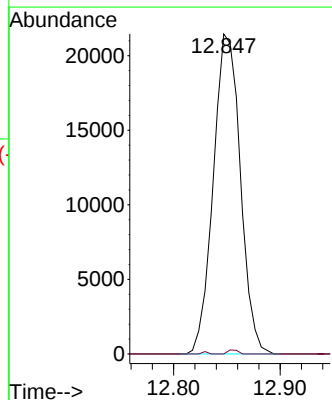
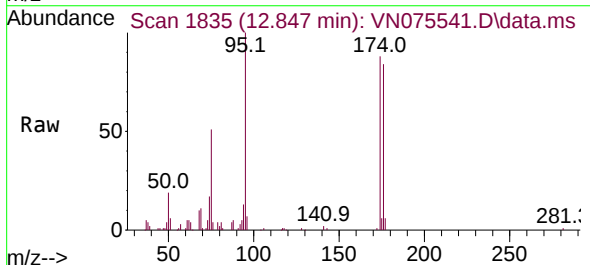
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

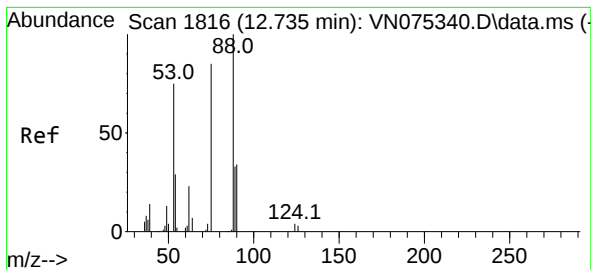
Tgt Ion:152 Resp: 91104
 Ion Ratio Lower Upper
 152 100
 115 57.9 30.2 90.6
 150 160.8 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 21.969 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075541.D
 Acq: 02 Dec 2022 18:53

Tgt Ion: 75 Resp: 37842
 Ion Ratio Lower Upper
 75 100
 77 0.5 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.001 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075541.D
 Acq: 02 Dec 2022 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 37842
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

