

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074588.D
 Acq On : 19 Sep 2022 16:03
 Operator : JC\MD
 Sample : N4647-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 04:20:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

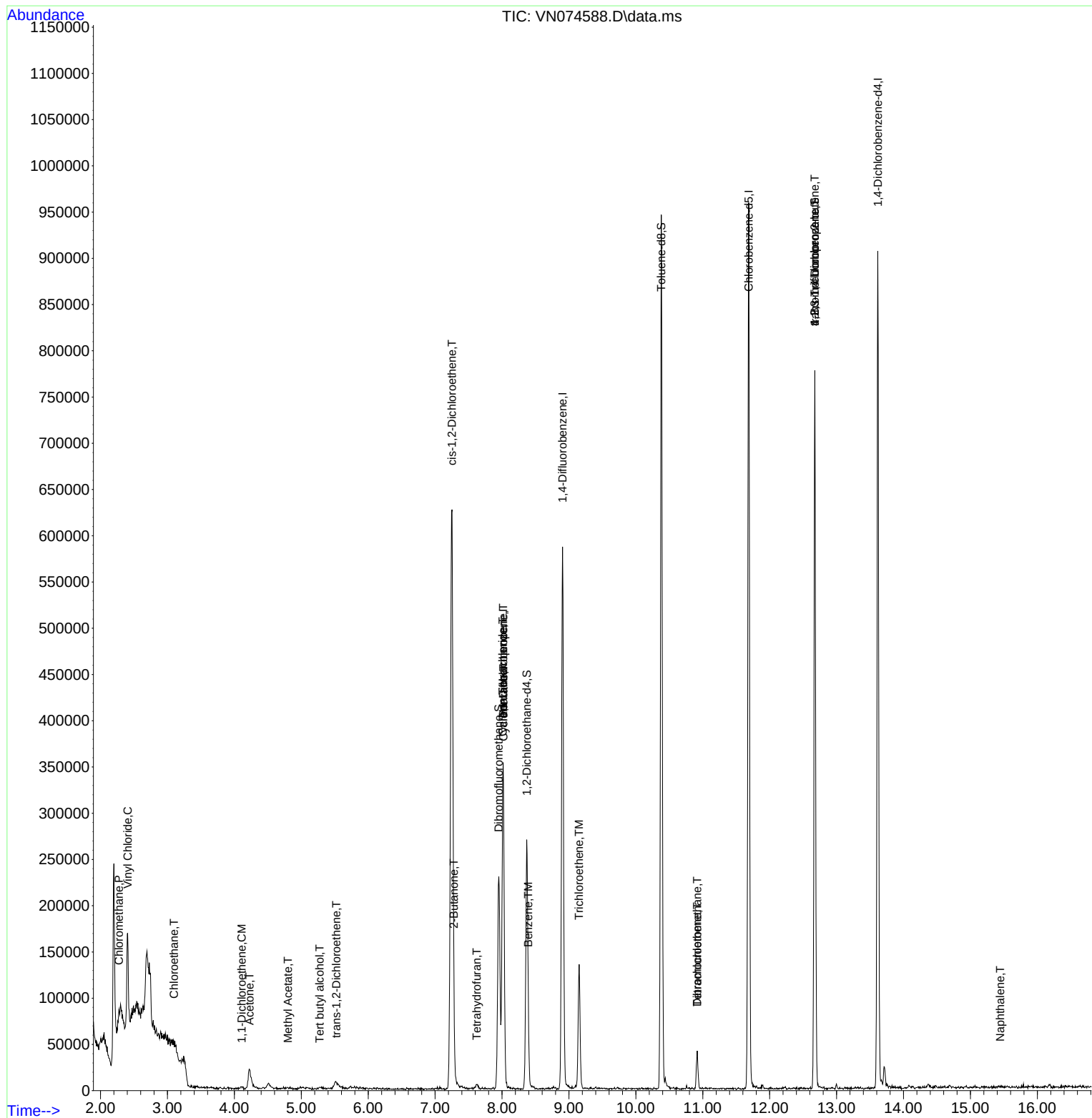
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	247038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	488315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	484186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	210438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198196	47.284	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.560%
35) Dibromofluoromethane	7.951	113	164146	50.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.200%
50) Toluene-d8	10.381	98	589554	46.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.000%
62) 4-Bromofluorobenzene	12.675	95	222874	51.872	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	3391	1.004	ug/l	97
4) Vinyl Chloride	2.405	62	91218	18.849	ug/l	94
6) Chloroethane	3.099	64	27017	8.173	ug/l #	51
11) Tert butyl alcohol	5.275	59	1217	0.891	ug/l #	72
12) 1,1-Dichloroethene	4.110	96	940	0.969	ug/l #	75
16) Acetone	4.228	43	39762	14.824	ug/l #	88
18) Methyl Acetate	4.799	43	2214	0.266	ug/l #	62
21) trans-1,2-Dichloroethene	5.522	96	3251	1.331	ug/l #	73
25) 2-Butanone	7.281	43	3427	0.770	ug/l #	74
27) cis-1,2-Dichloroethene	7.251	96	359431	78.577	ug/l	98
29) Tetrahydrofuran	7.622	42	4190	1.431	ug/l #	43
31) Cyclohexane	8.022	56	9479	1.274	ug/l #	75
36) 1,1-Dichloropropene	8.016	75	23668	4.122	ug/l #	48
38) Carbon Tetrachloride	8.010	117	28034	5.288	ug/l #	15
40) Benzene	8.392	78	3683	0.207	ug/l #	89
44) Trichloroethene	9.151	130	43099	11.218	ug/l	96
60) Dibromochloromethane	10.916	129	7549	1.788	ug/l #	11
64) Tetrachloroethene	10.916	164	7400	2.227	ug/l	96
76) 1,2,3-Trichloropropane	12.675	75	136218	21.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	136218	45.389	ug/l #	10
95) Naphthalene	15.445	128	849	1.635	ug/l #	87

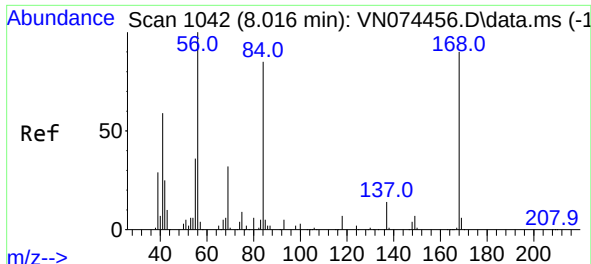
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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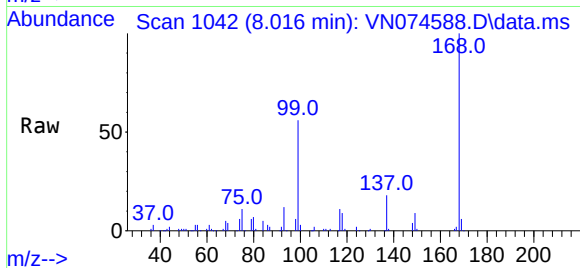
Quant Time: Sep 20 04:20:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



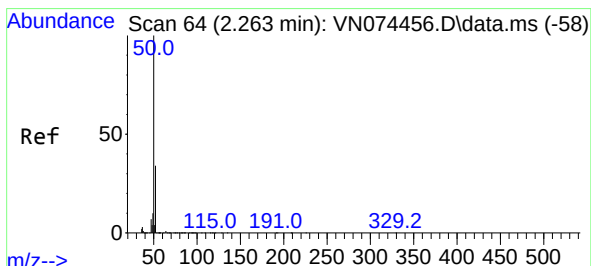
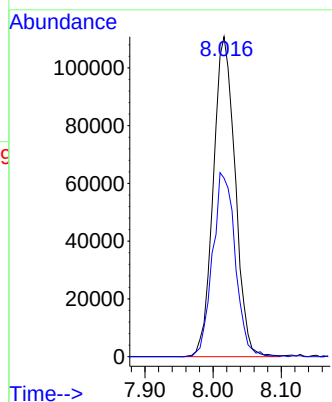
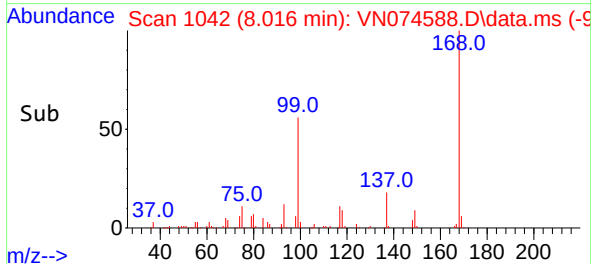


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :

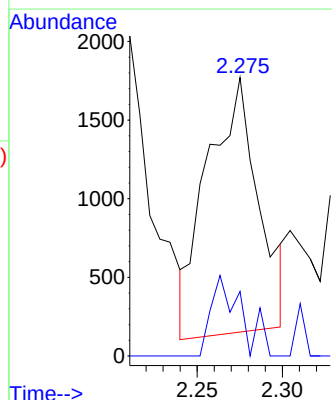
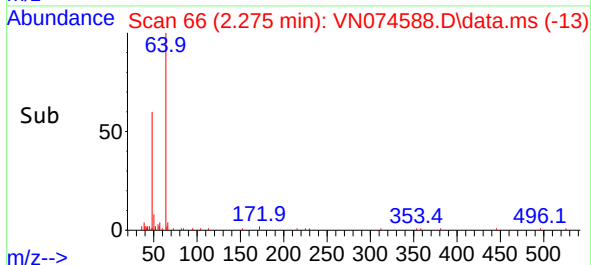
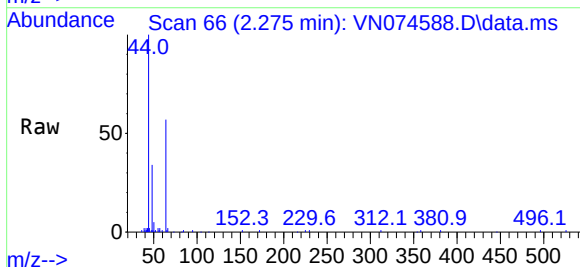


Tgt Ion:168 Resp: 247038
Ion Ratio Lower Upper
168 100
99 55.8 42.3 63.5

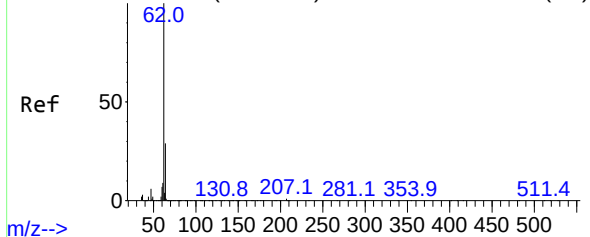


#3
Chloromethane
Concen: 1.004 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 50 Resp: 3391
Ion Ratio Lower Upper
50 100
52 33.6 25.7 38.5



Abundance Scan 88 (2.404 min): VN074456.D\data.ms (-78)



#4

Vinyl Chloride

Concen: 18.849 ug/l

RT: 2.405 min Scan# 81

Delta R.T. 0.001 min

Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

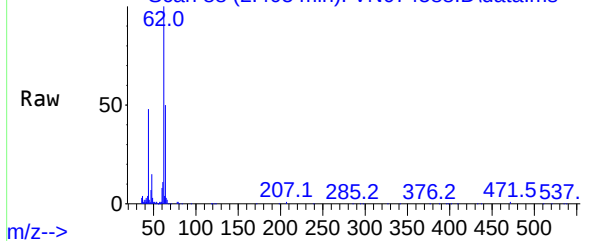
Tgt Ion: 62 Resp: 91218

Ion Ratio Lower Upper

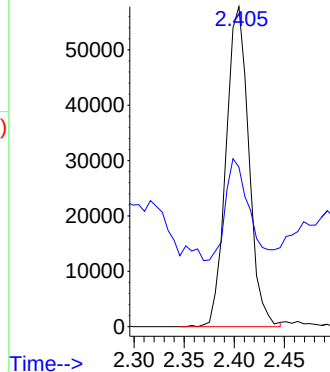
62 100

64 27.7 25.0 37.4

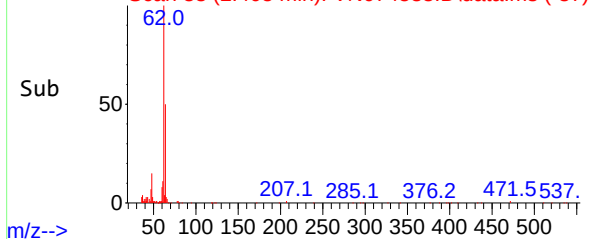
Abundance Scan 88 (2.405 min): VN074588.D\data.ms



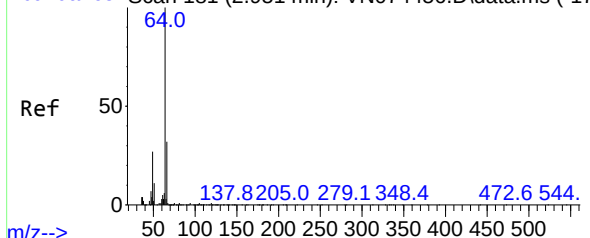
Abundance



Abundance Scan 88 (2.405 min): VN074588.D\data.ms (-37)



Abundance Scan 181 (2.951 min): VN074456.D\data.ms (-17)



#6

Chloroethane

Concen: 8.173 ug/l

RT: 3.099 min Scan# 206

Delta R.T. 0.148 min

Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

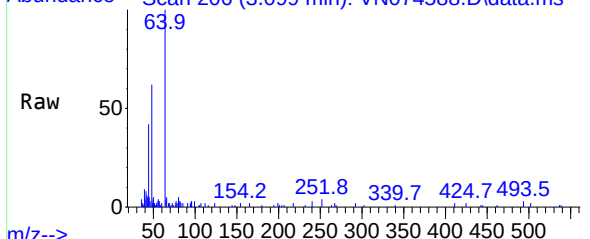
Tgt Ion: 64 Resp: 27017

Ion Ratio Lower Upper

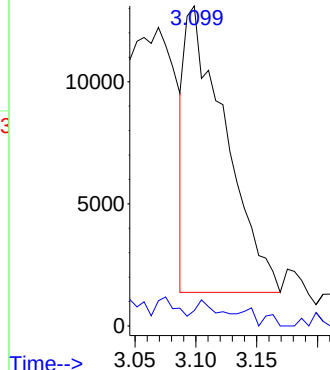
64 100

66 5.4 26.2 39.4

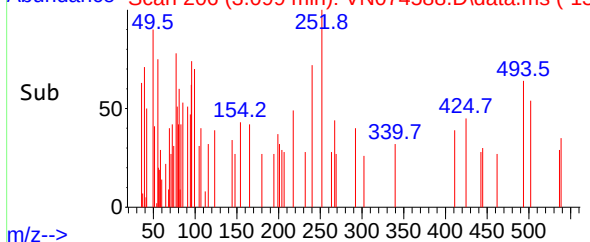
Abundance Scan 206 (3.099 min): VN074588.D\data.ms

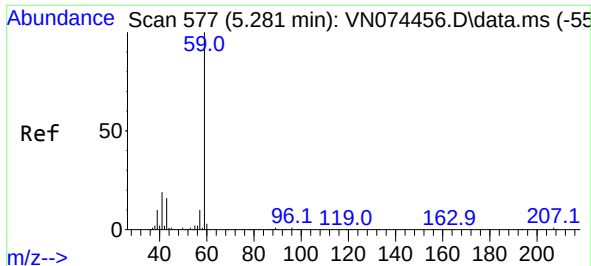


Abundance



Abundance Scan 206 (3.099 min): VN074588.D\data.ms (-13)

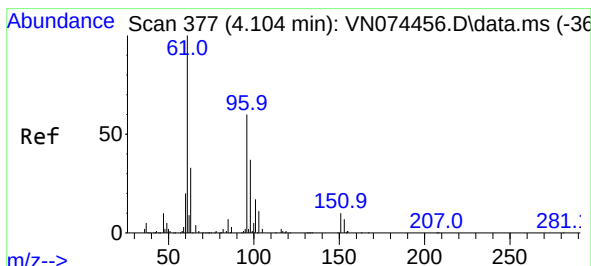
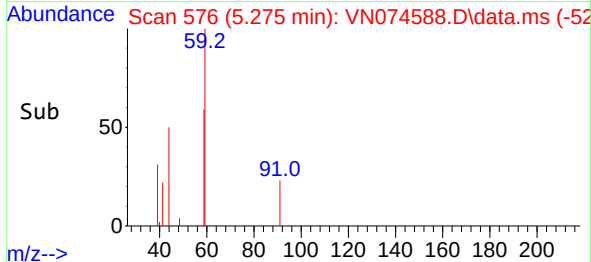
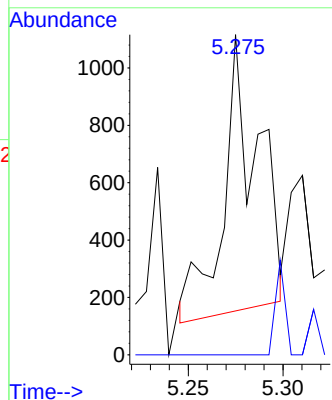
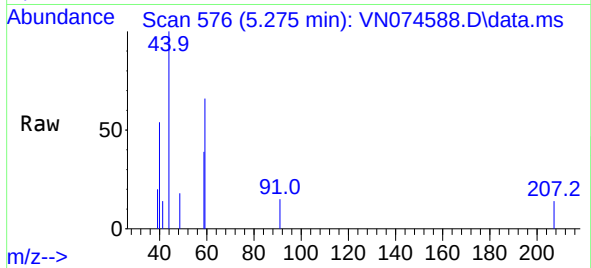




#11
Tert butyl alcohol
Concen: 0.891 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

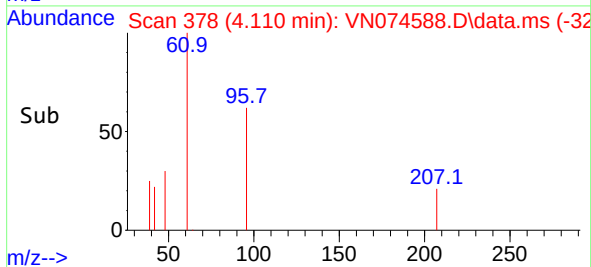
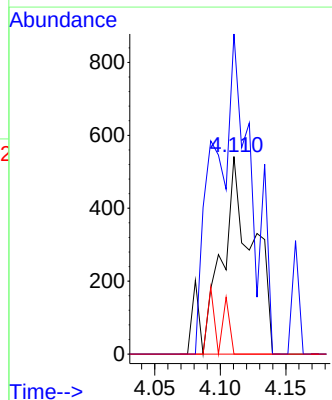
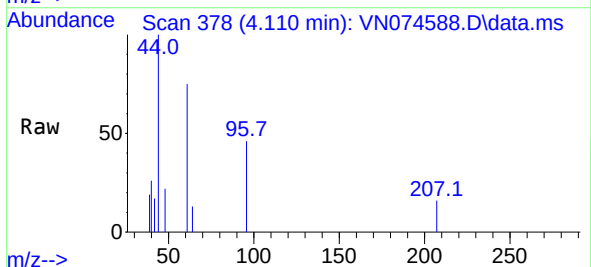
Instrument :
MSVOA_N
ClientSampleId :

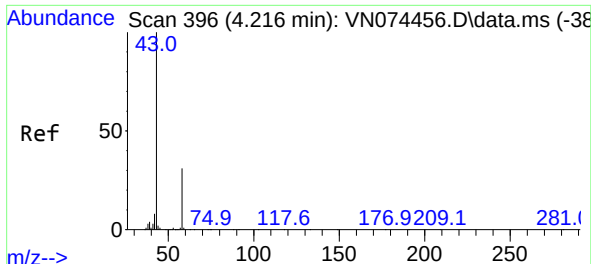
Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.969 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 96 Resp: 940
Ion Ratio Lower Upper
96 100
61 162.0 127.6 191.4
98 0.0 51.2 76.8#

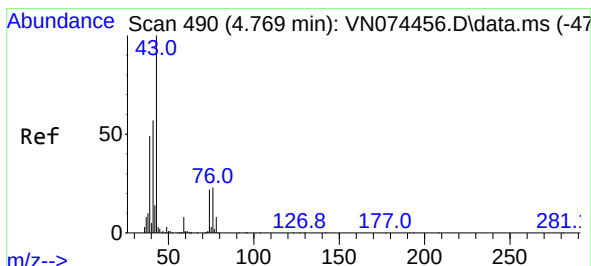
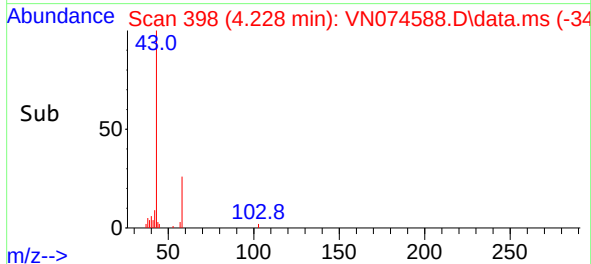
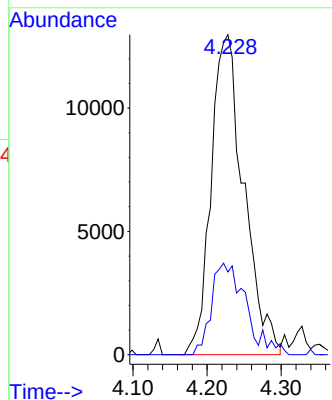
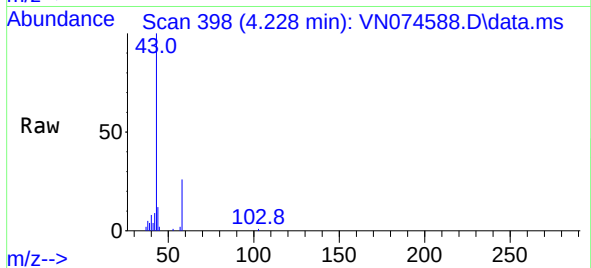




#16
Acetone
Concen: 14.824 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

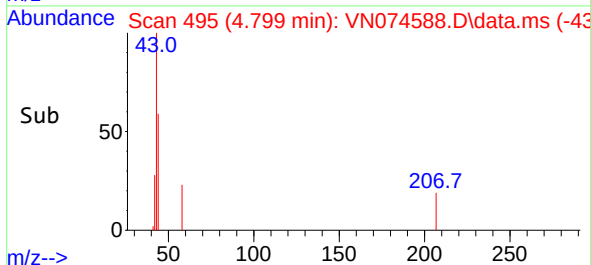
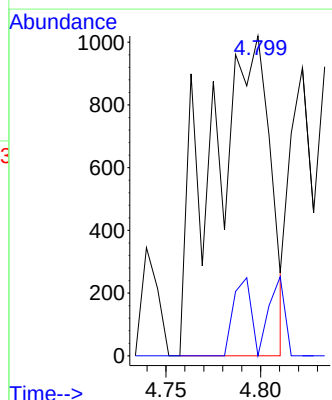
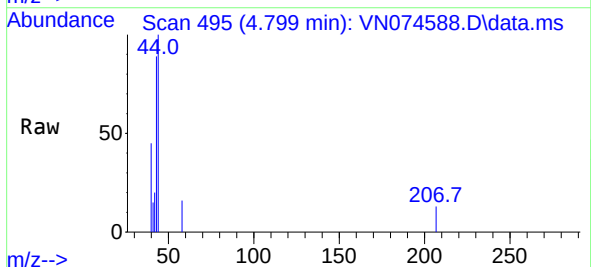
Instrument :
MSVOA_N
ClientSampleId :

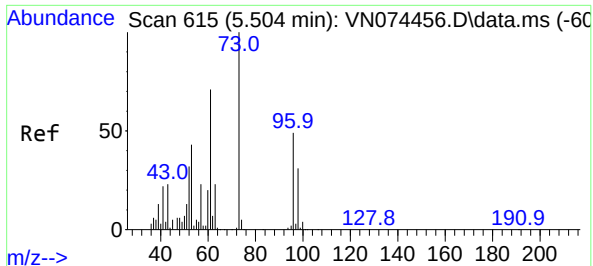
Tgt Ion: 43 Resp: 39762
Ion Ratio Lower Upper
43 100
58 25.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 4.799 min Scan# 495
Delta R.T. 0.030 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

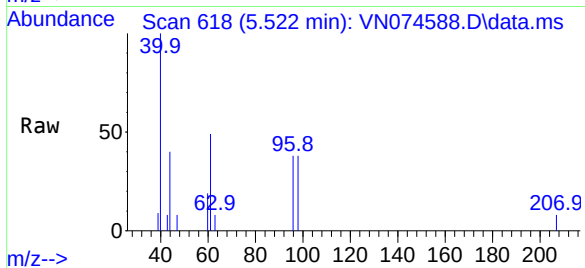
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
74 7.2 21.6 32.4#



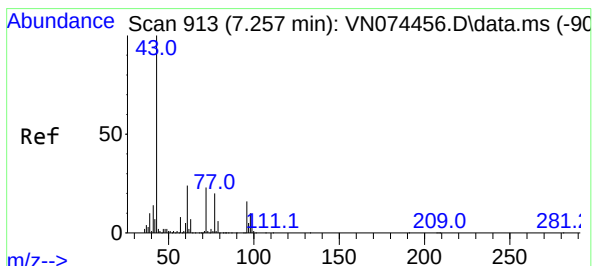
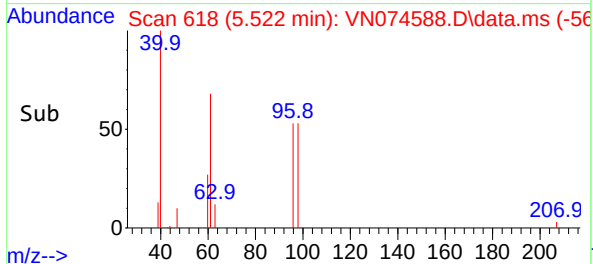
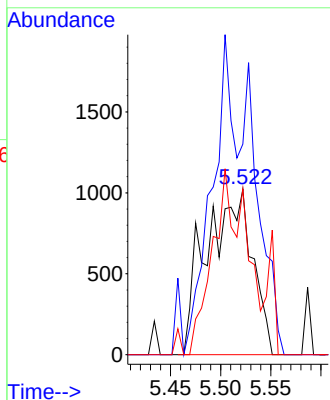


#21
trans-1,2-Dichloroethene
Concen: 1.331 ug/l
RT: 5.522 min Scan# 615
Delta R.T. 0.018 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :

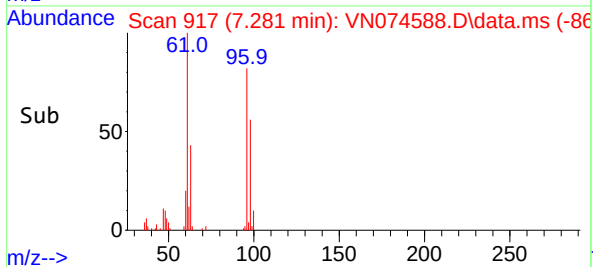
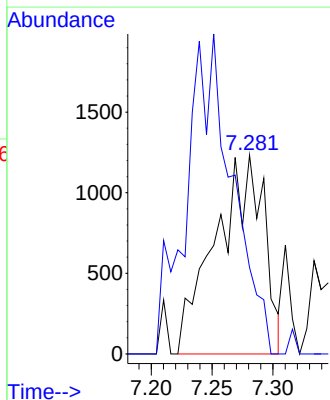
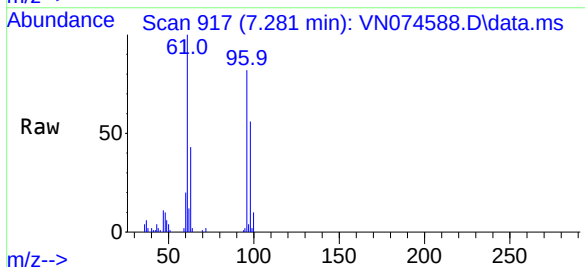


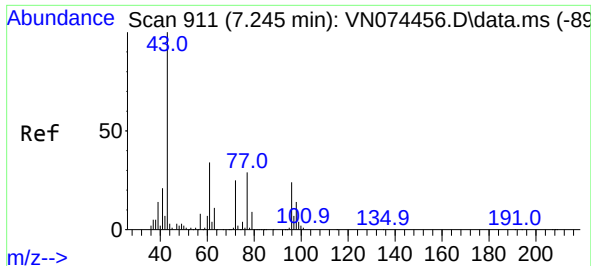
Tgt Ion: 96 Resp: 3251
Ion Ratio Lower Upper
96 100
61 112.4 105.8 158.8
98 100.2 50.3 75.5#



#25
2-Butanone
Concen: 0.770 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

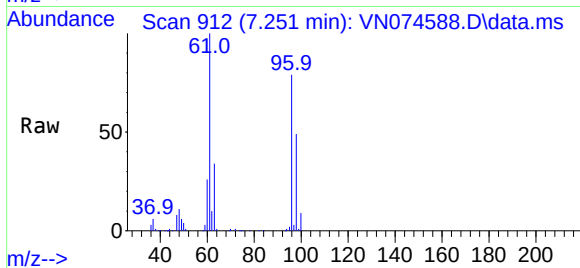
Tgt Ion: 43 Resp: 3427
Ion Ratio Lower Upper
43 100
72 43.4 23.7 35.5#



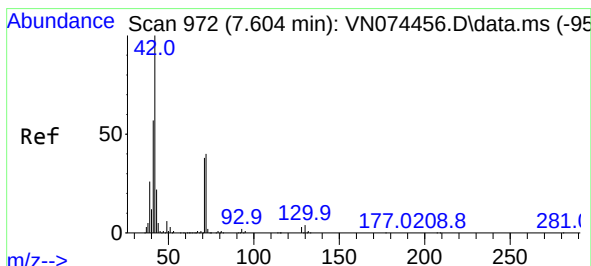
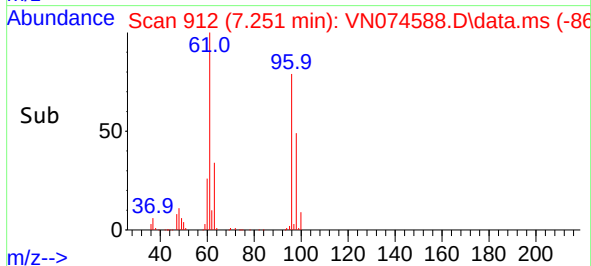
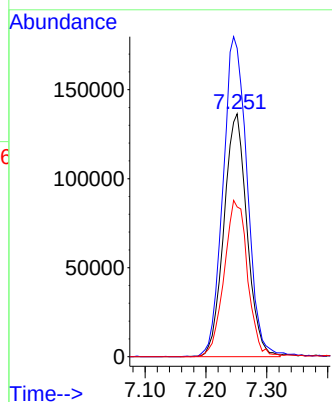


#27
 cis-1,2-Dichloroethene
 Concen: 78.577 ug/l
 RT: 7.251 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VN074588.D
 Acq: 19 Sep 2022 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

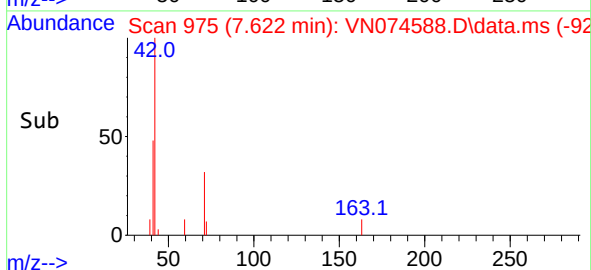
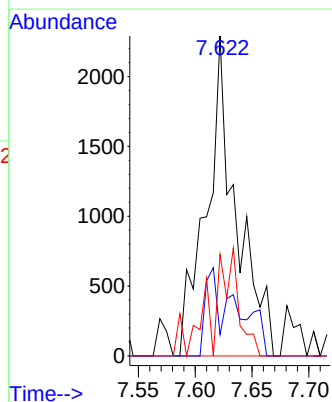
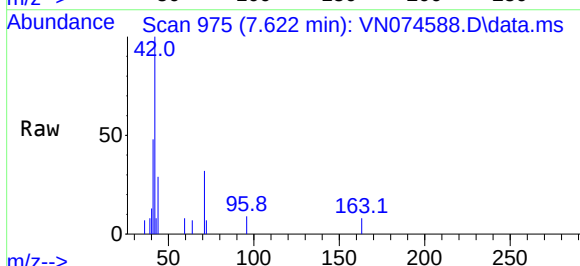


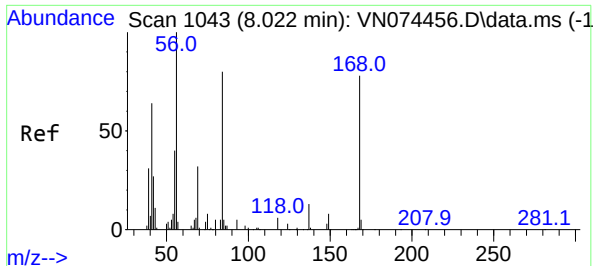
Tgt Ion: 96 Resp: 359431
 Ion Ratio Lower Upper
 96 100
 61 138.0 0.0 280.6
 98 65.5 0.0 128.4



#29
 Tetrahydrofuran
 Concen: 1.431 ug/l
 RT: 7.622 min Scan# 975
 Delta R.T. 0.018 min
 Lab File: VN074588.D
 Acq: 19 Sep 2022 16:03

Tgt Ion: 42 Resp: 4190
 Ion Ratio Lower Upper
 42 100
 72 11.1 39.7 59.5#
 71 8.1 36.6 55.0#





#31

Cyclohexane

Concen: 1.274 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

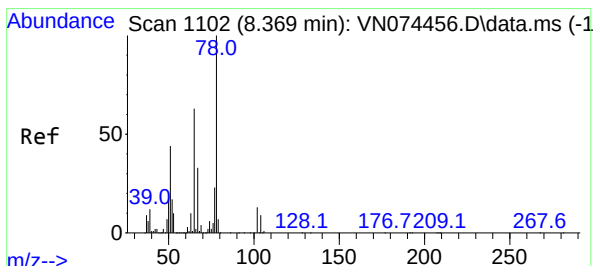
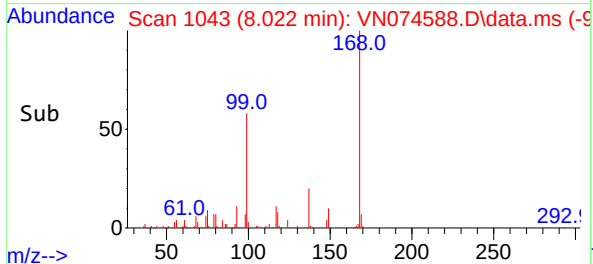
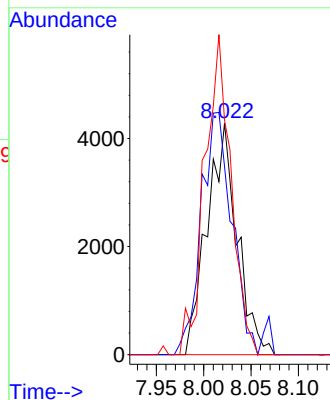
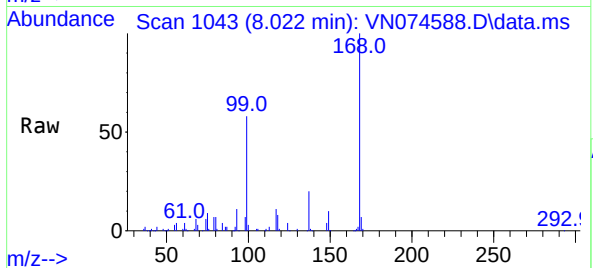
Tgt Ion: 56 Resp: 9479

Ion Ratio Lower Upper

56 100

69 81.3 27.8 41.8#

84 101.2 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 47.284 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074588.D

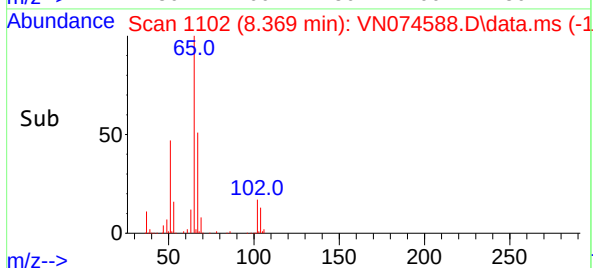
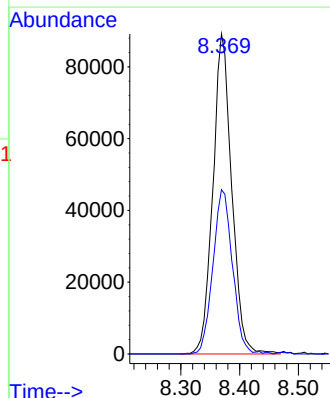
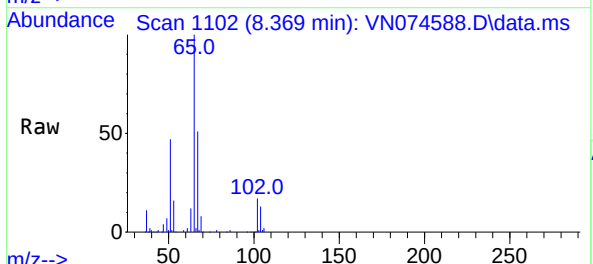
Acq: 19 Sep 2022 16:03

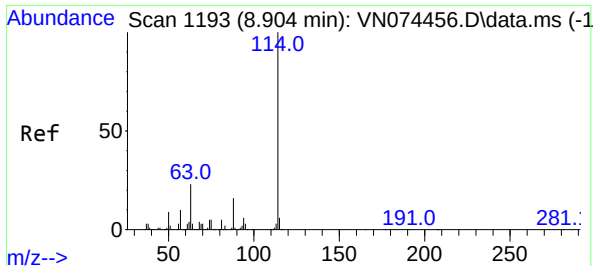
Tgt Ion: 65 Resp: 198196

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

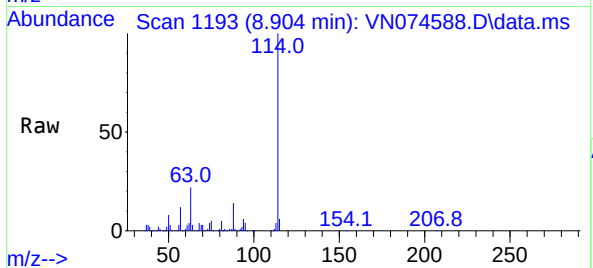
Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :



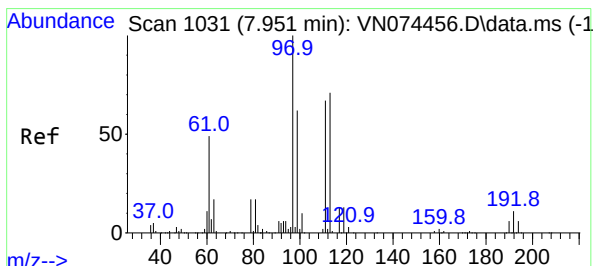
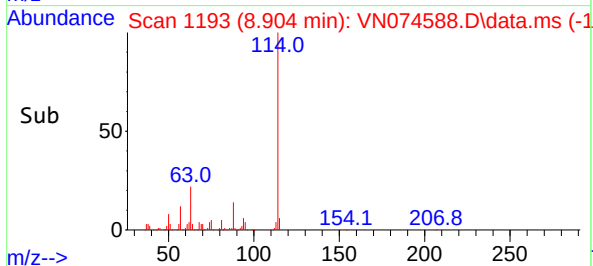
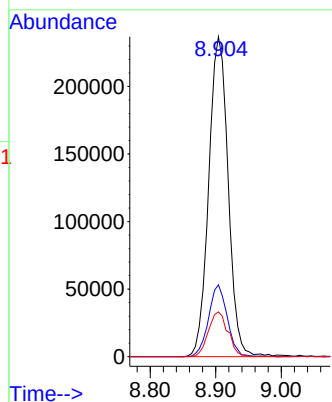
Tgt Ion:114 Resp: 488315

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.603 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

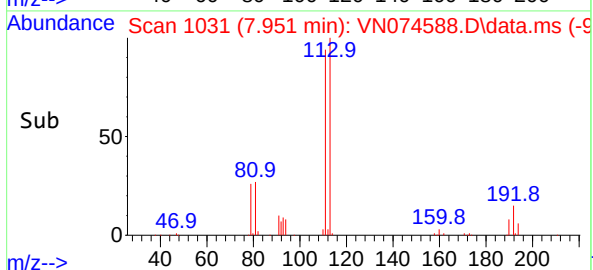
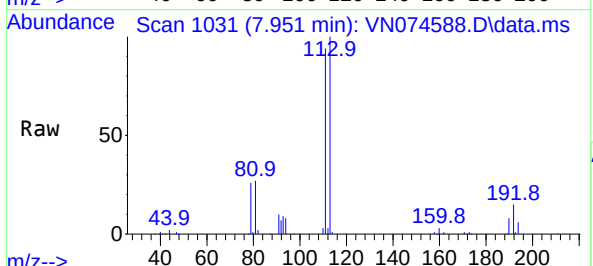
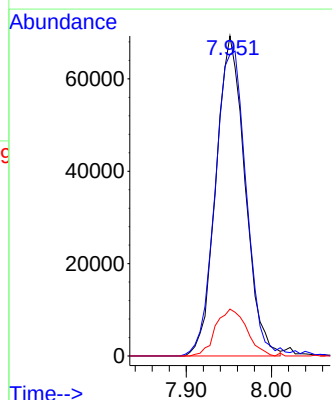
Tgt Ion:113 Resp: 164146

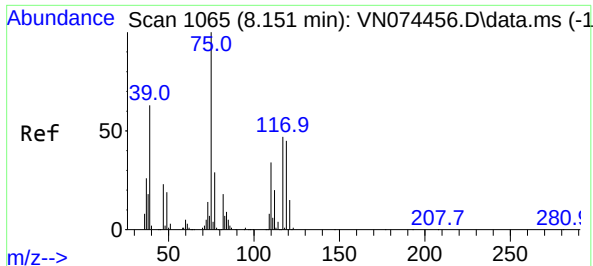
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 15.6 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.122 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

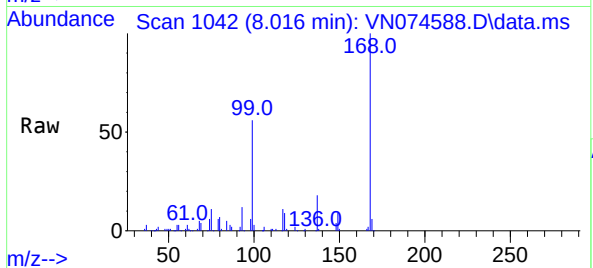
Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :



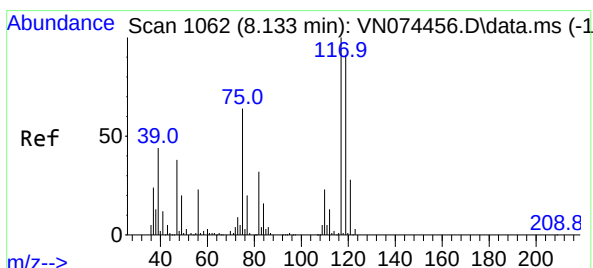
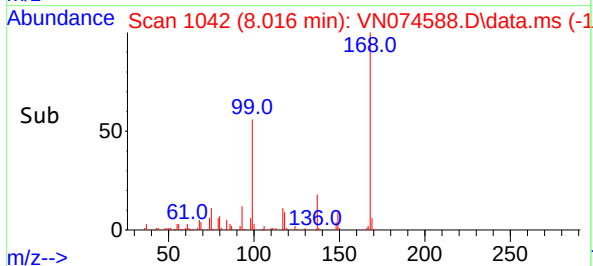
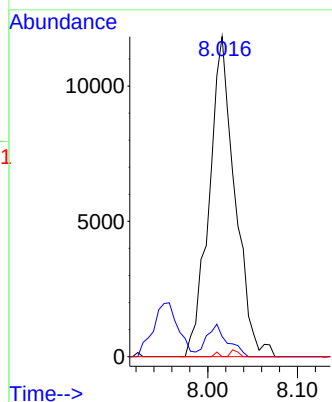
Tgt Ion: 75 Resp: 23668

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.3 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.288 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.123 min

Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

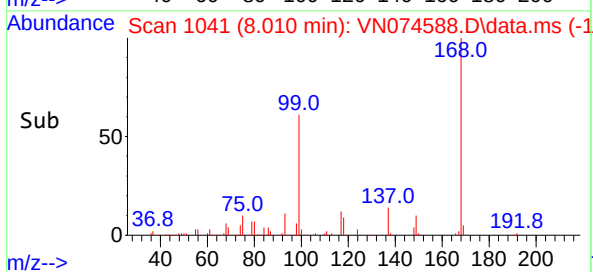
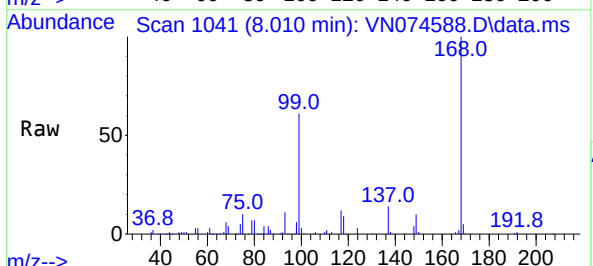
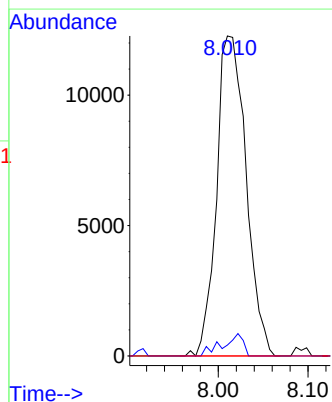
Tgt Ion: 117 Resp: 28034

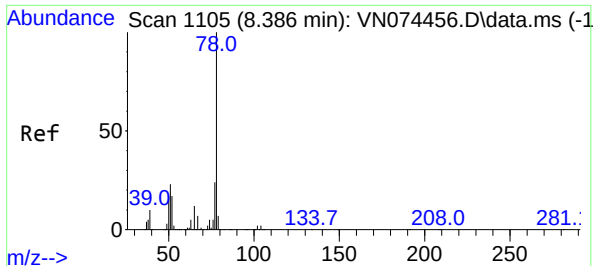
Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

121 0.0 24.6 37.0#

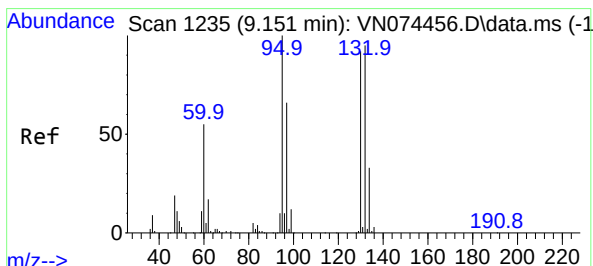
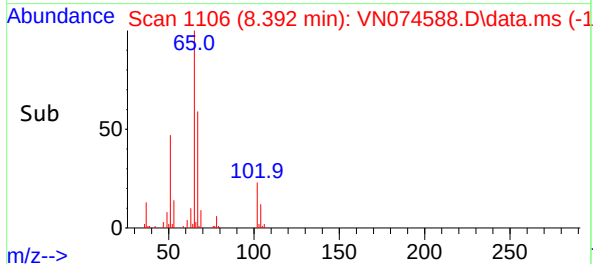
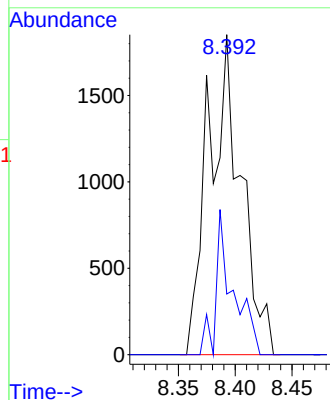
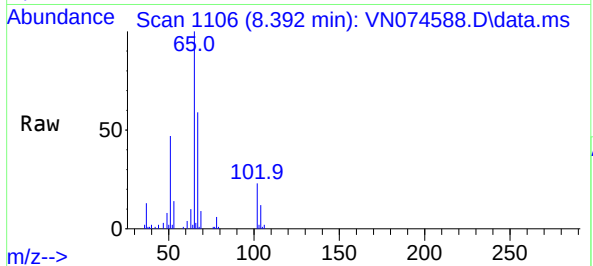




#40
Benzene
Concen: 0.207 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

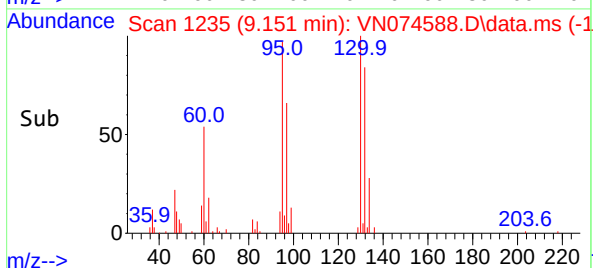
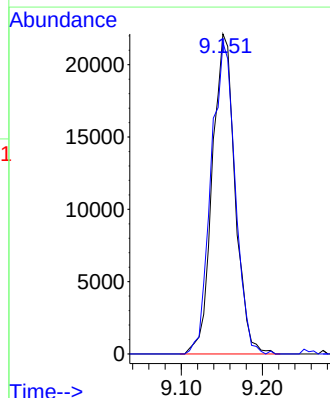
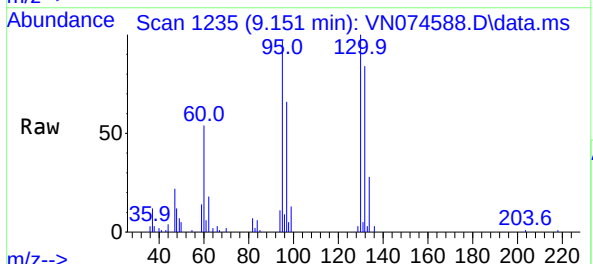
Instrument :
MSVOA_N
ClientSampleId :

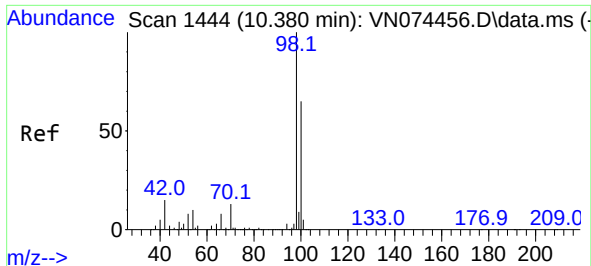
Tgt Ion: 78 Resp: 3683
Ion Ratio Lower Upper
78 100
77 19.0 19.4 29.0#



#44
Trichloroethene
Concen: 11.218 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion:130 Resp: 43099
Ion Ratio Lower Upper
130 100
95 97.3 0.0 186.8

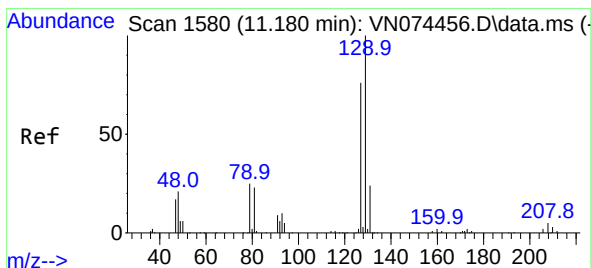
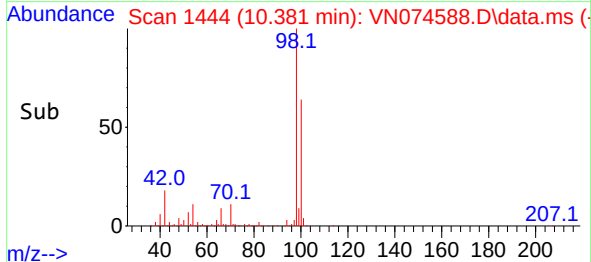
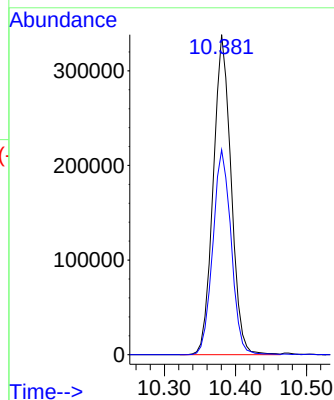
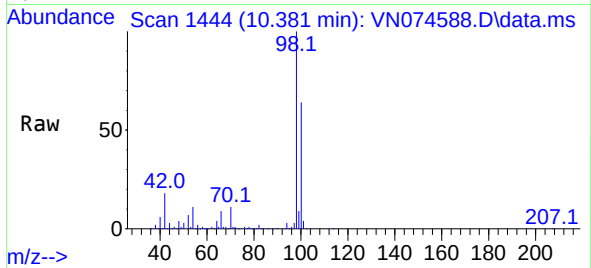




#50
Toluene-d8
Concen: 46.995 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

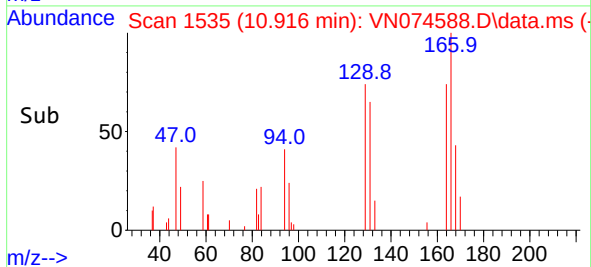
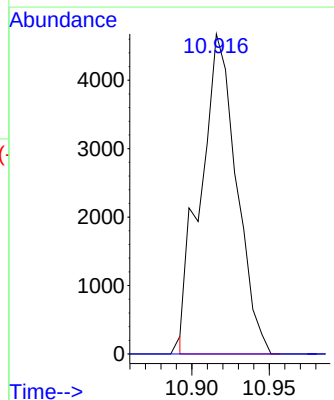
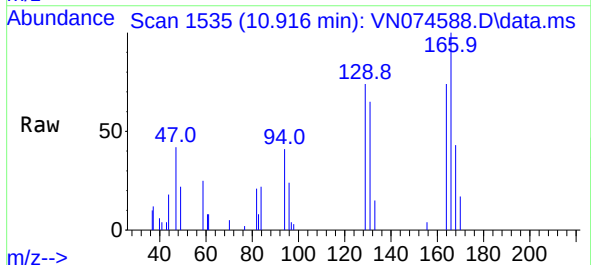
Instrument :
MSVOA_N
ClientSampleId :

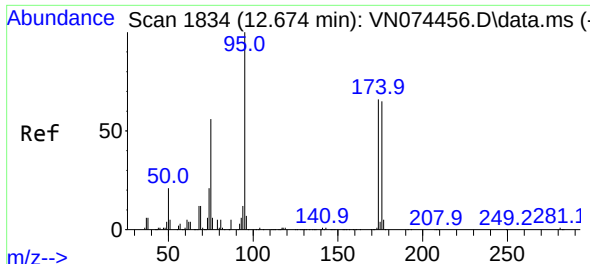
Tgt Ion: 98 Resp: 589554
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#60
Dibromochloromethane
Concen: 1.788 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.264 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion:129 Resp: 7549
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

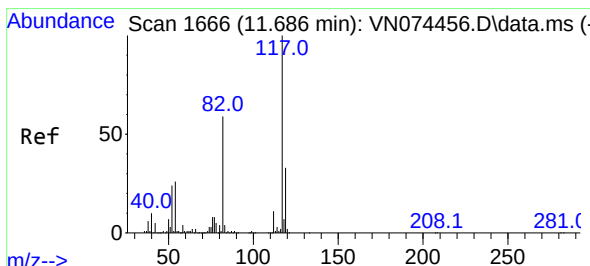
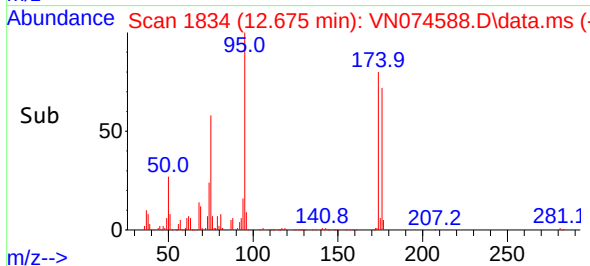
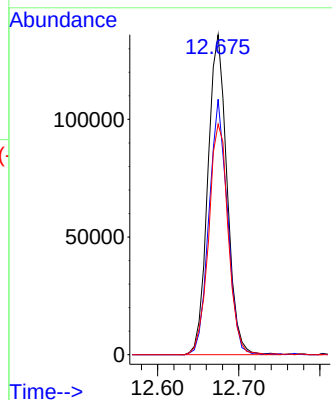
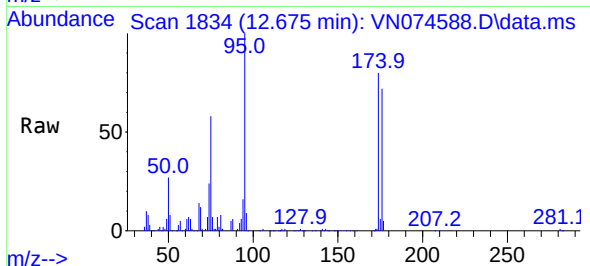




#62
4-Bromofluorobenzene
Concen: 51.872 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

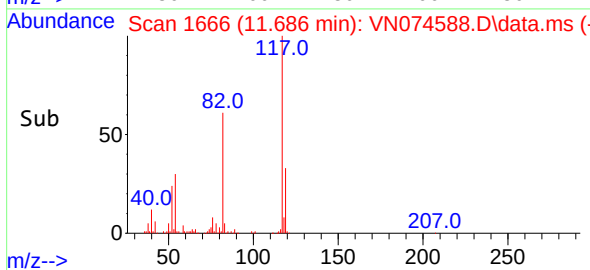
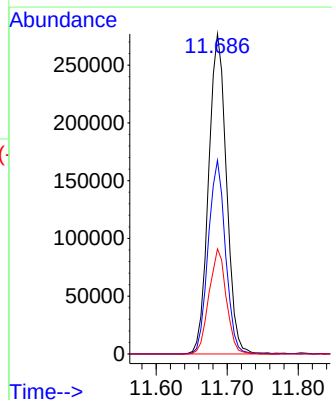
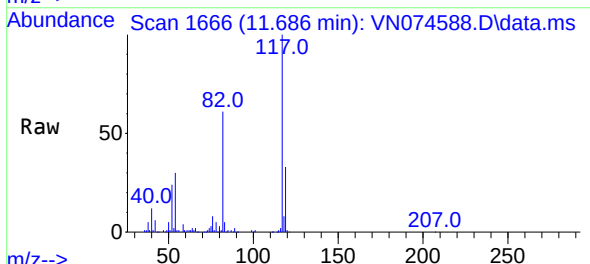
Instrument :
MSVOA_N
ClientSampleId :

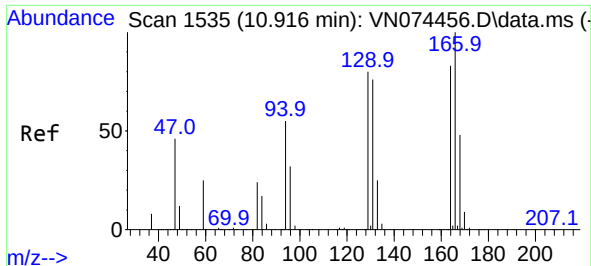
Tgt Ion: 95 Resp: 222874
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 73.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

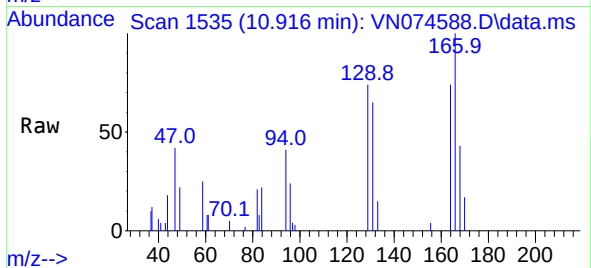
Tgt Ion: 117 Resp: 484186
Ion Ratio Lower Upper
117 100
82 60.5 44.2 66.2
119 32.8 25.4 38.0



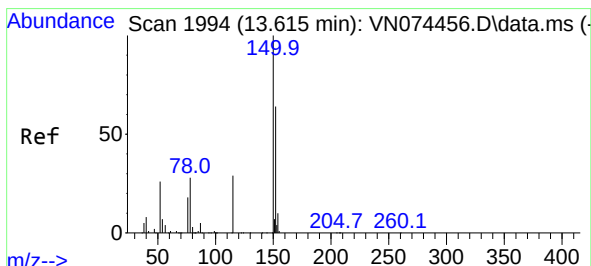
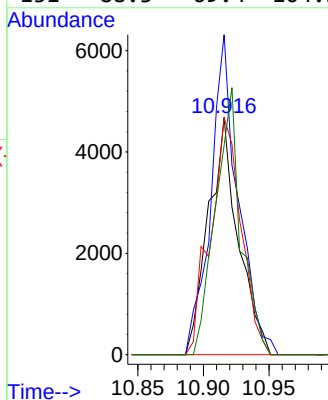
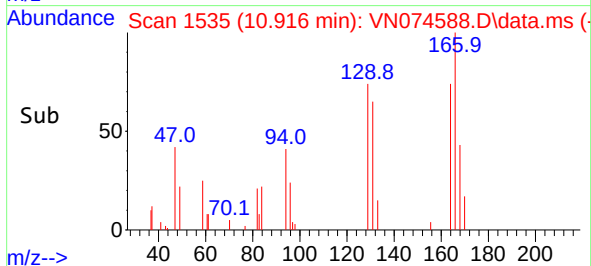


#64
Tetrachloroethene
Concen: 2.227 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

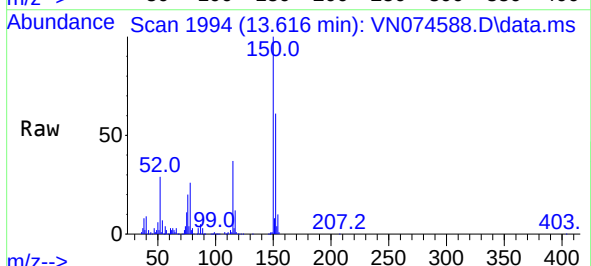
Instrument :
MSVOA_N
ClientSampleId :



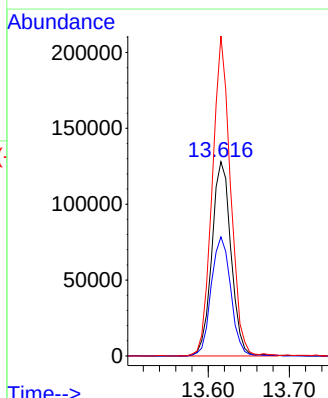
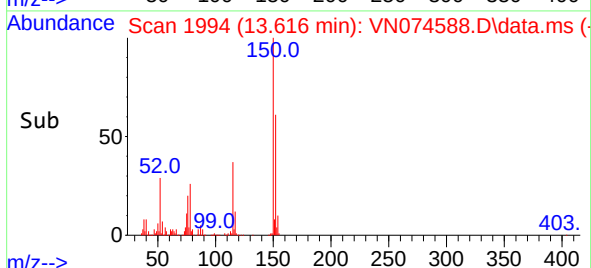
Tgt Ion:164 Resp: 7400
Ion Ratio Lower Upper
164 100
166 134.9 104.2 156.2
129 99.9 73.9 110.9
131 88.3 69.4 104.2

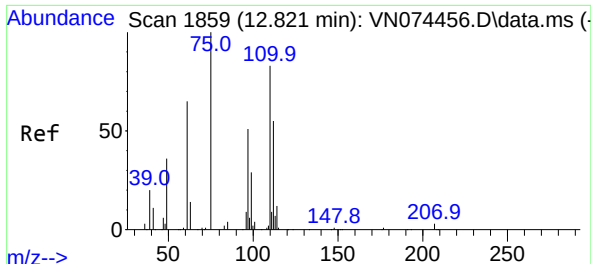


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03



Tgt Ion:152 Resp: 210438
Ion Ratio Lower Upper
152 100
115 62.7 28.9 86.7
150 156.0 0.0 356.2

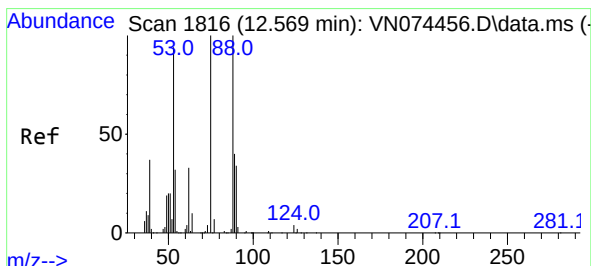
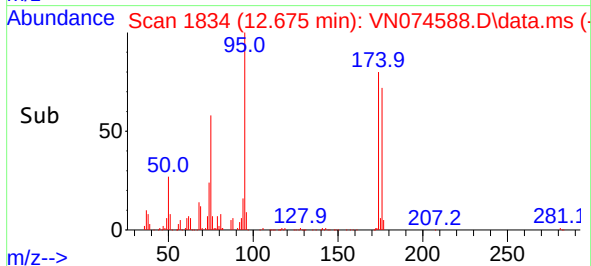
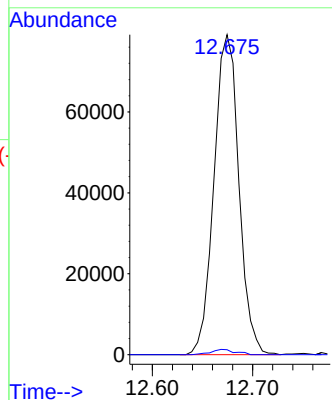
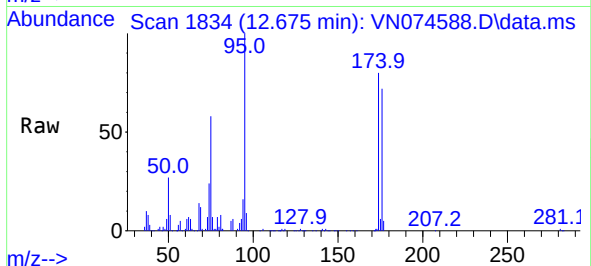




#76
1,2,3-Trichloropropane
Concen: 21.030 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

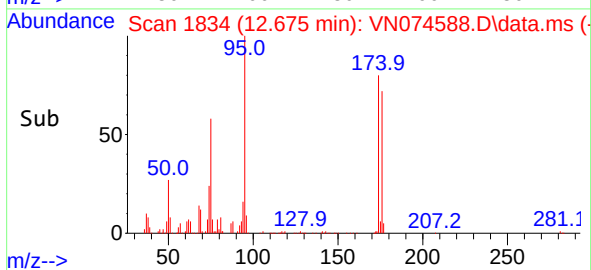
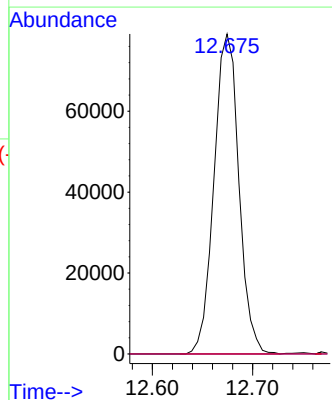
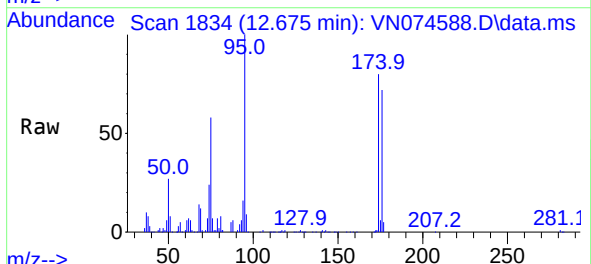
Instrument :
MSVOA_N
ClientSampleId :

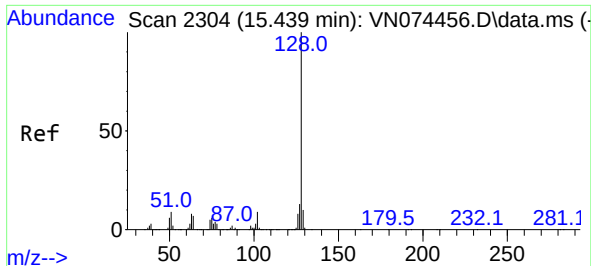
Tgt Ion: 75 Resp: 136218
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.389 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074588.D
Acq: 19 Sep 2022 16:03

Tgt Ion: 75 Resp: 136218
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.635 ug/l

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

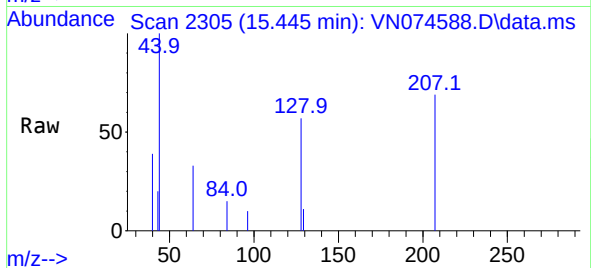
Lab File: VN074588.D

Acq: 19 Sep 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 849

Ion Ratio Lower Upper

128 100

127 7.4 10.3 15.5#

129 6.6 8.6 13.0#

