

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072004.D
 Acq On : 15 Apr 2022 16:03
 Operator : JC\MD
 Sample : VN0415WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBL01

Quant Time: Apr 15 23:27:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

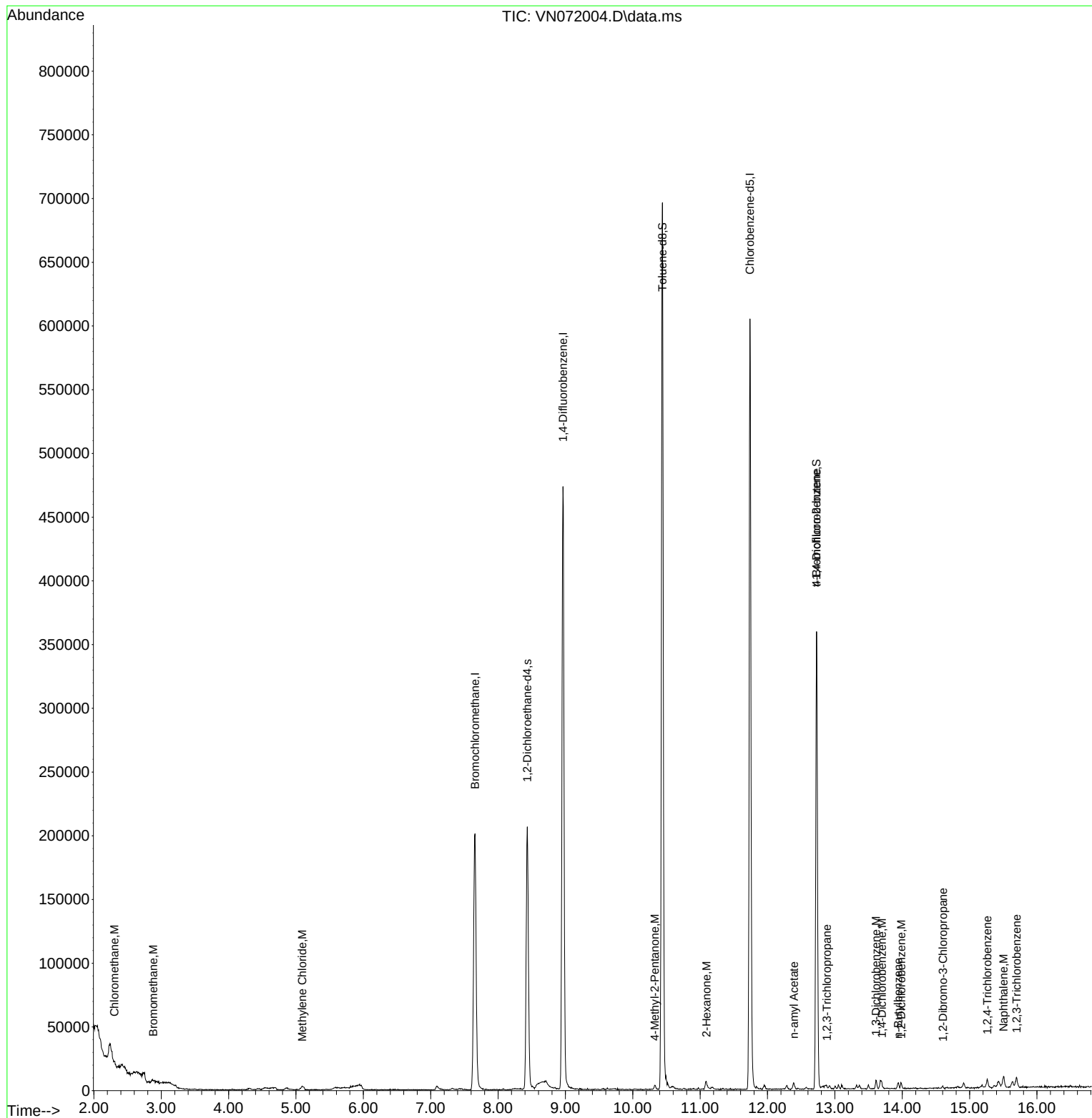
Internal Standards						
1) Bromochloromethane	7.657	128	85787	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	455614	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	391102	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	171485	28.372	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.567%
60) 4-Bromofluorobenzene	12.727	95	131284	22.639	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.467%
63) Toluene-d8	10.439	98	523199	29.470	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1372	0.218	ug/l	98
5) Bromomethane	2.881	94	2379	0.559	ug/l	92
18) Methylene Chloride	5.093	84	2635	0.442	ug/l #	70
47) n-amyl Acetate	12.392	43	2895	0.340	ug/l	92
58) 4-Methyl-2-Pentanone	10.328	43	2722	0.367	ug/l #	93
59) 2-Hexanone	11.092	43	4829	0.891	ug/l #	77
72) 1,2,3-Trichloropropane	12.880	75	1513	0.216	ug/l	55
77) t-1,4-Dichloro-2-butene	12.727	75	64395	26.225	ug/l #	8
83) 1,3-Dichlorobenzene	13.610	146	2271	0.227	ug/l	91
84) 1,4-Dichlorobenzene	13.698	146	2820	0.296	ug/l	98
85) n-Butylbenzene	13.939	91	3436	0.234	ug/l	94
87) 1,2-Dichlorobenzene	13.986	146	2248	0.233	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.604	75	602	0.416	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.263	180	2567	0.575	ug/l #	75
91) Naphthalene	15.504	128	10725	7.501	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	4335	0.991	ug/l	92

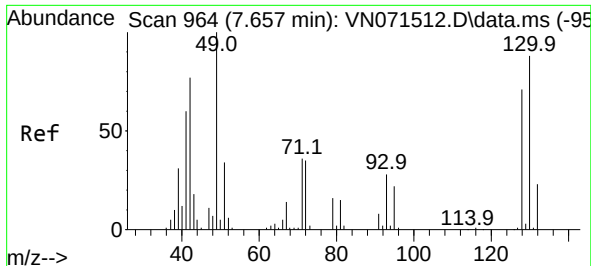
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
Data File : VN072004.D
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Instrument :
MSVOA_N
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VN0415WBL01

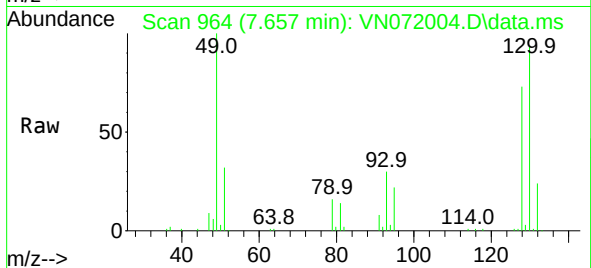
Quant Time: Apr 15 23:27:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



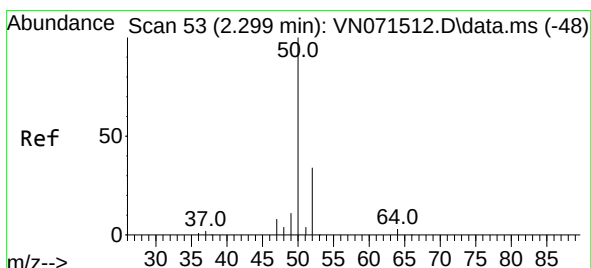
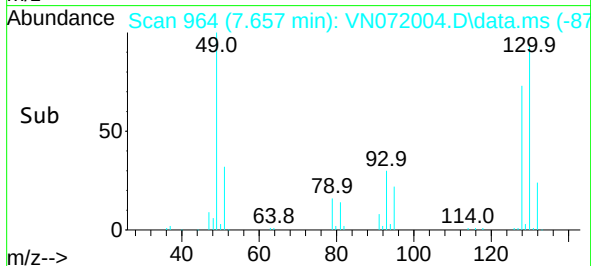
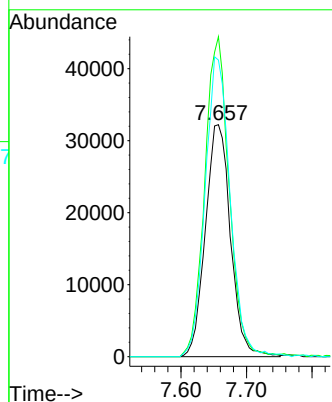


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

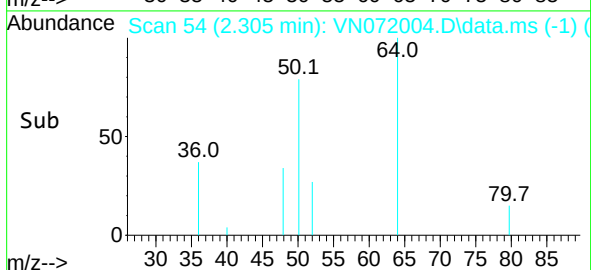
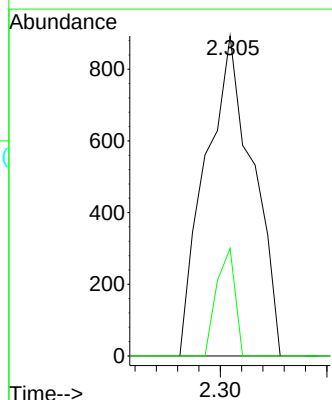
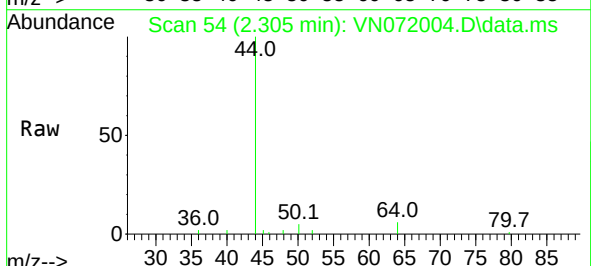


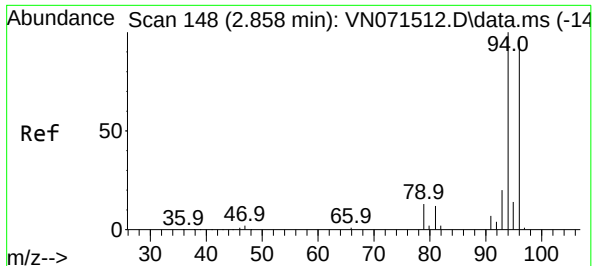
Tgt Ion:128 Resp: 85787
Ion Ratio Lower Upper
128 100
49 133.5 0.0 392.3
130 127.9 0.0 320.2



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 50 Resp: 1372
Ion Ratio Lower Upper
50 100
52 33.6 27.8 41.6

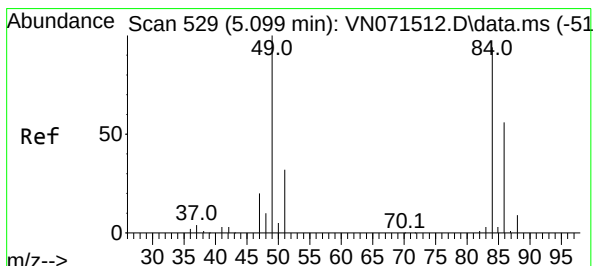
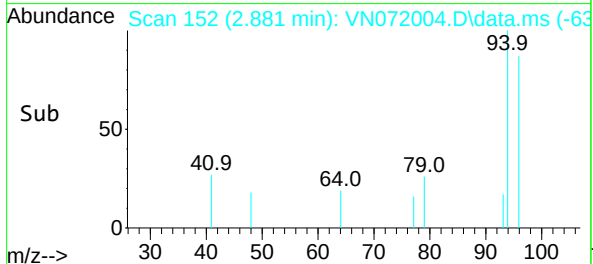
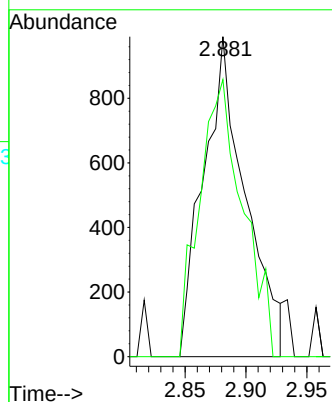
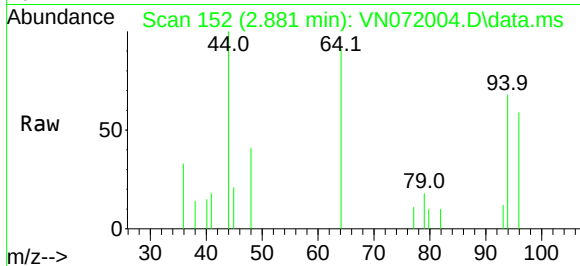




#5
Bromomethane
Concen: 0.559 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

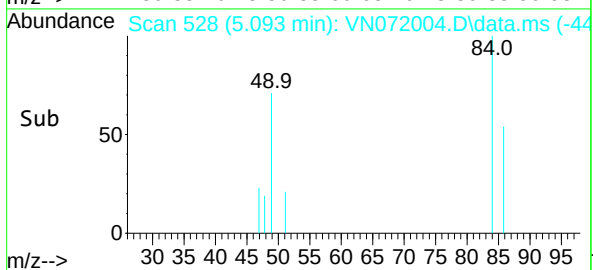
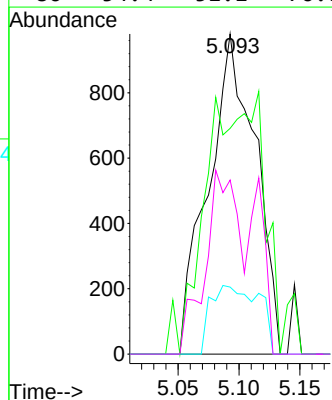
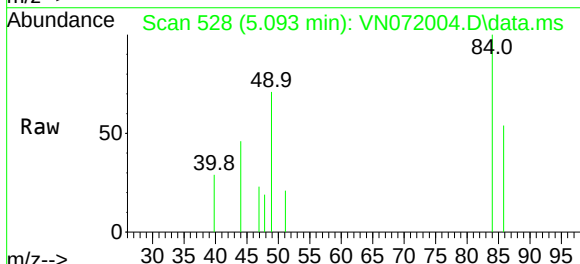
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

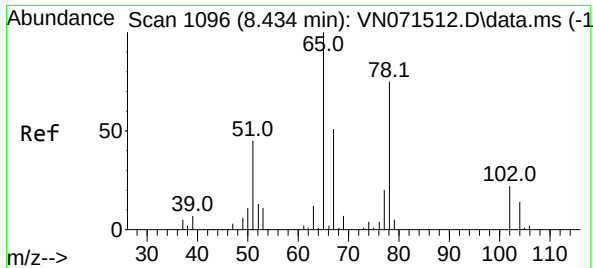
Tgt Ion: 94 Resp: 2379
Ion Ratio Lower Upper
94 100
96 86.6 75.2 112.8



#18
Methylene Chloride
Concen: 0.442 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.006 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 84 Resp: 2635
Ion Ratio Lower Upper
84 100
49 70.5 91.4 137.0#
51 20.9 29.4 44.0#
86 54.4 51.1 76.7

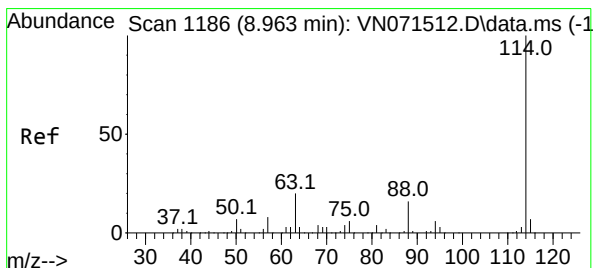
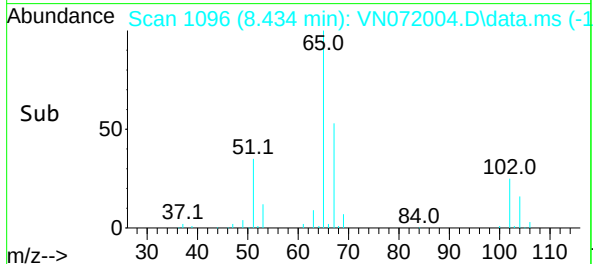
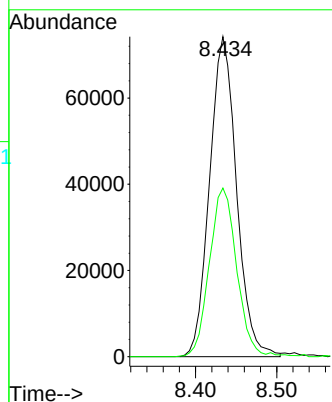
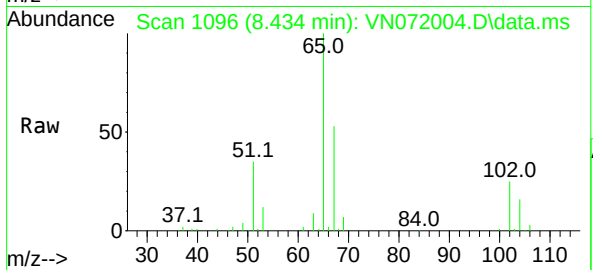




#27
1,2-Dichloroethane-d4
Concen: 28.372 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

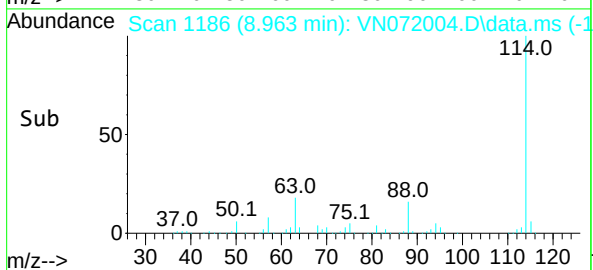
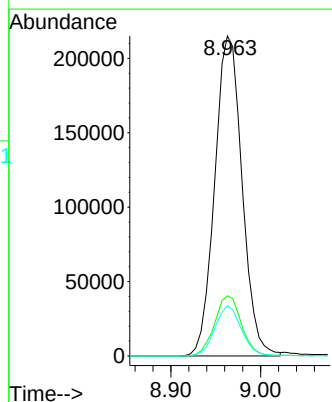
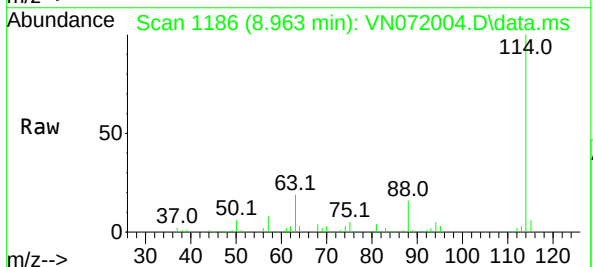
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

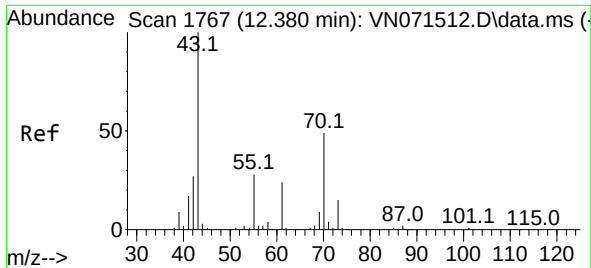
Tgt Ion: 65 Resp: 171485
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 114 Resp: 455614
Ion Ratio Lower Upper
114 100
63 18.5 15.8 23.6
88 15.3 11.6 17.4

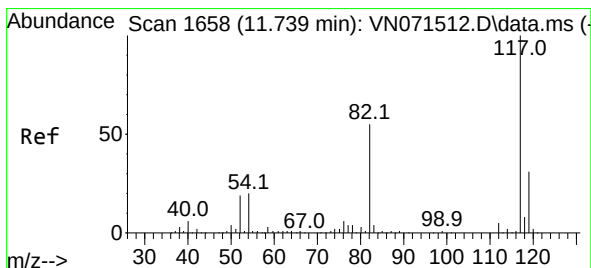
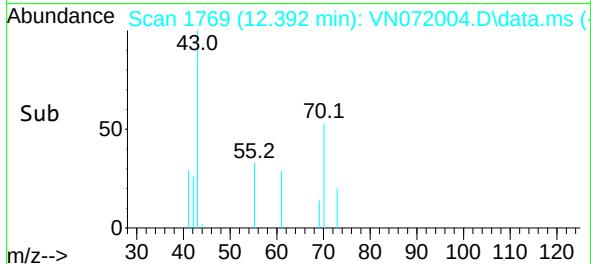
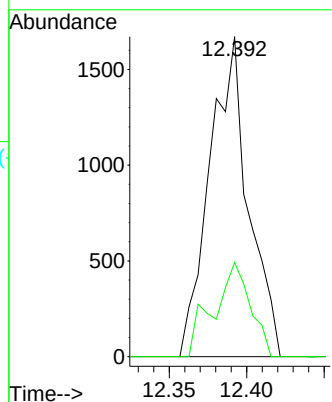
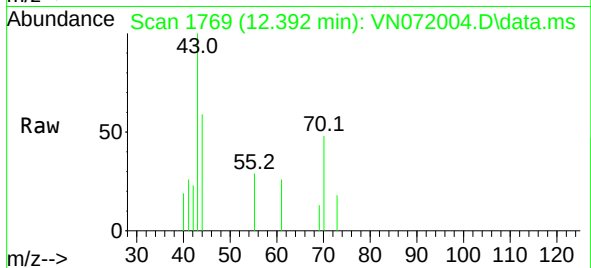




#47
n-amyl Acetate
Concen: 0.340 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

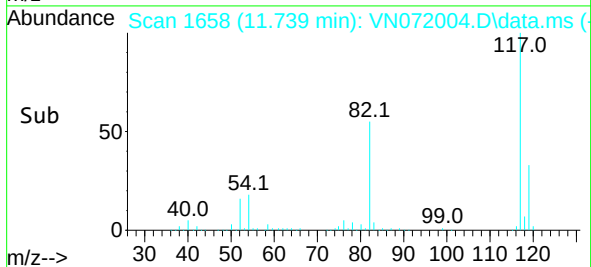
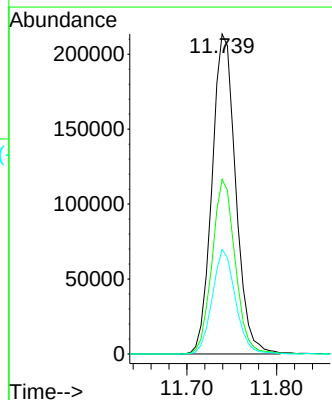
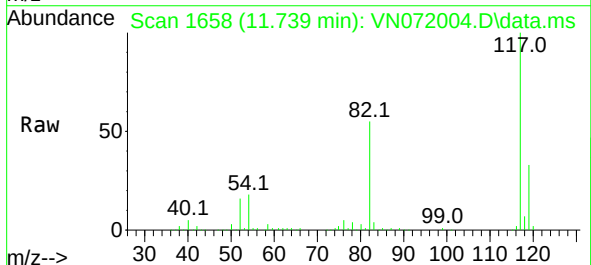
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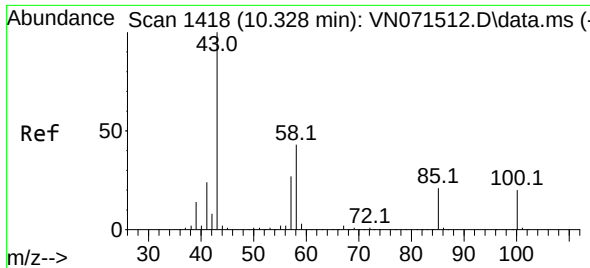
Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
55 19.7 19.0 28.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 117 Resp: 391102
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.9 25.8 38.6

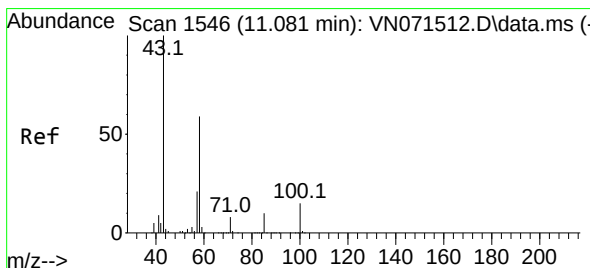
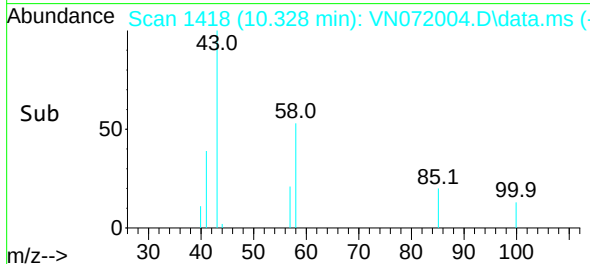
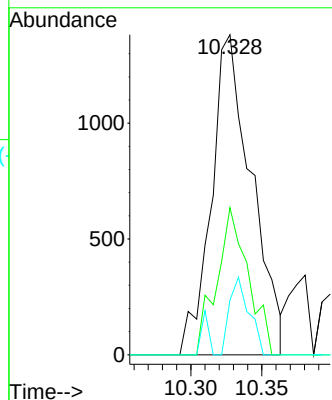
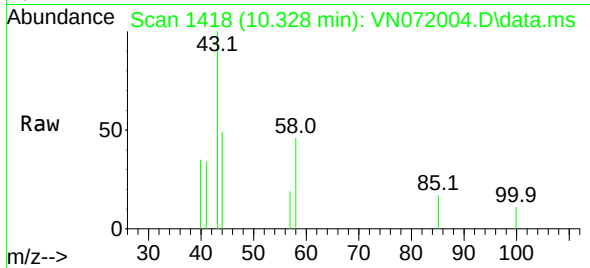




#58
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

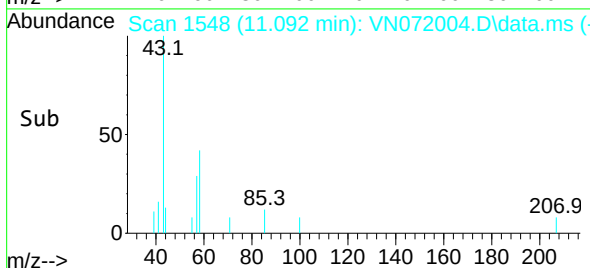
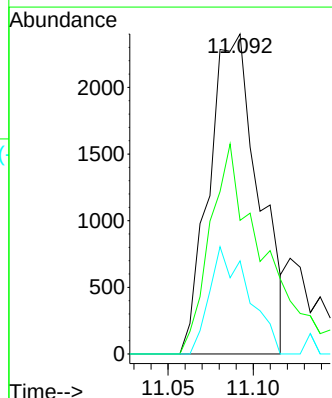
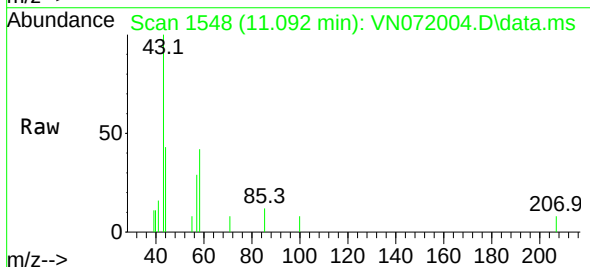
Instrument :
MSVOA_N
ClientSampleId :
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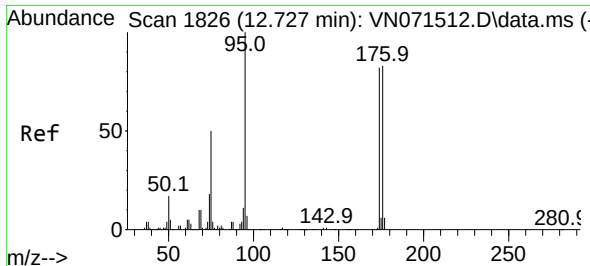
Tgt Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
58 36.1 30.0 45.0
85 11.8 15.0 22.6#



#59
2-Hexanone
Concen: 0.891 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 43 Resp: 4829
Ion Ratio Lower Upper
43 100
58 70.3 42.2 63.2#
57 26.7 15.0 22.4#

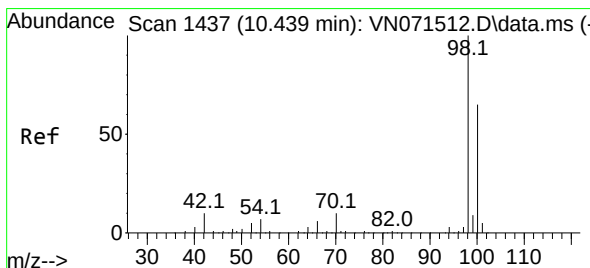
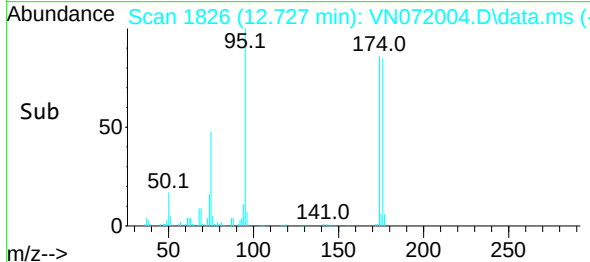
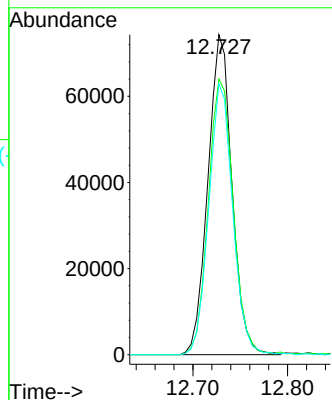
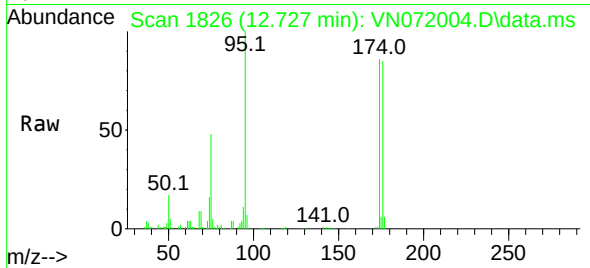




#60
4-Bromofluorobenzene
Concen: 22.639 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

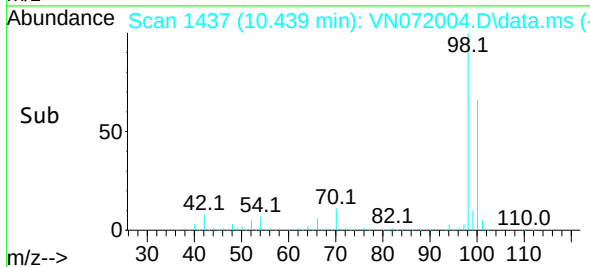
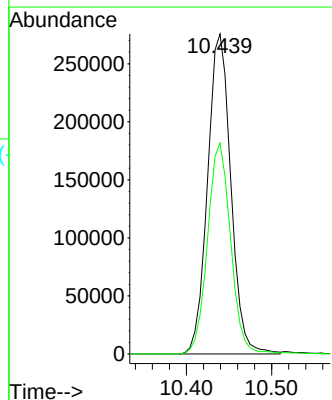
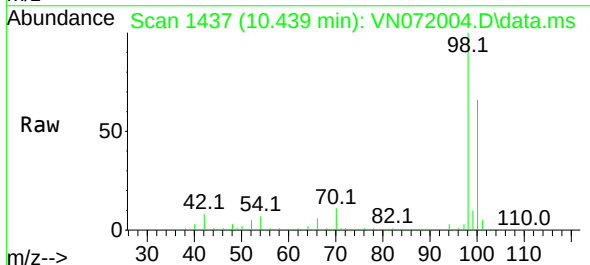
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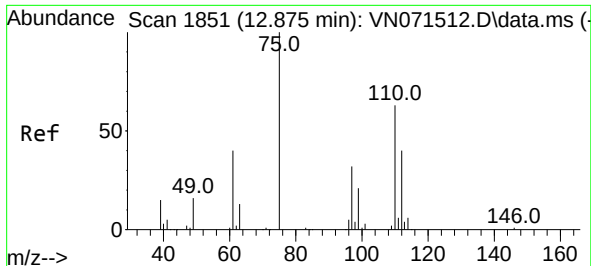
Tgt Ion: 95 Resp: 131284
Ion Ratio Lower Upper
95 100
174 89.0 62.9 94.3
176 84.1 61.0 91.4



#63
Toluene-d8
Concen: 29.470 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 98 Resp: 523199
Ion Ratio Lower Upper
98 100
100 64.8 50.6 76.0

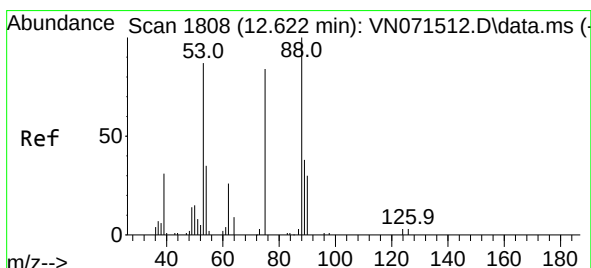
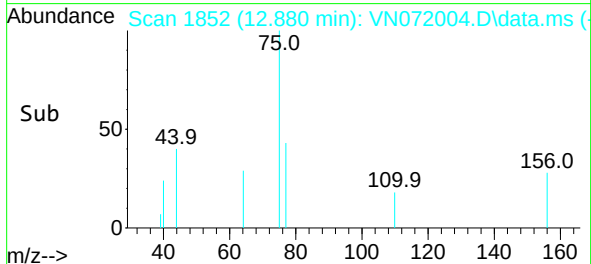
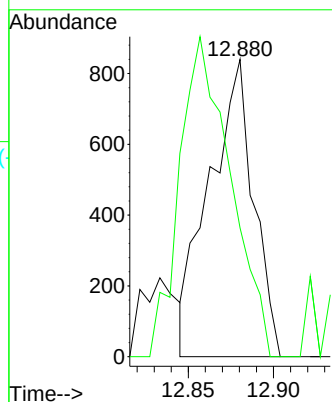
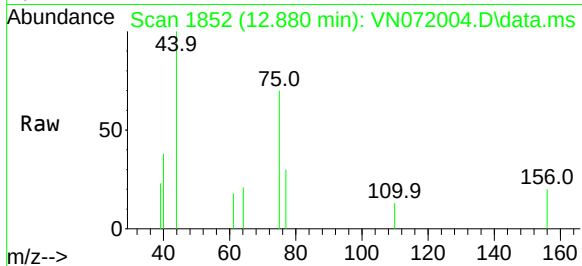




#72
1,2,3-Trichloropropane
Concen: 0.216 ug/l
RT: 12.880 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

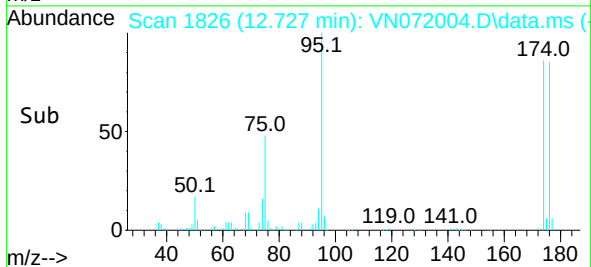
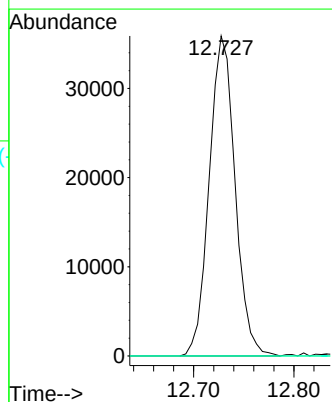
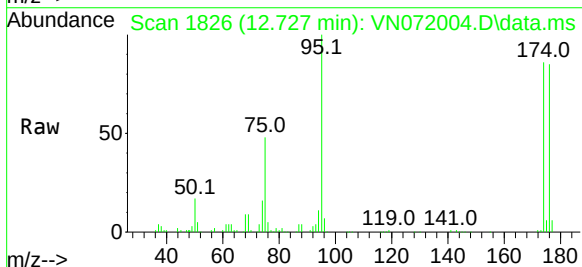
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

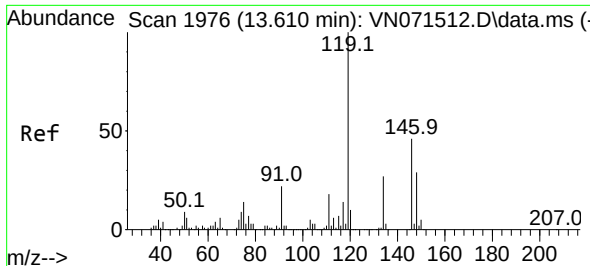
Tgt Ion: 75 Resp: 1513
Ion Ratio Lower Upper
75 100
77 123.9 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 26.225 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion: 75 Resp: 64395
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

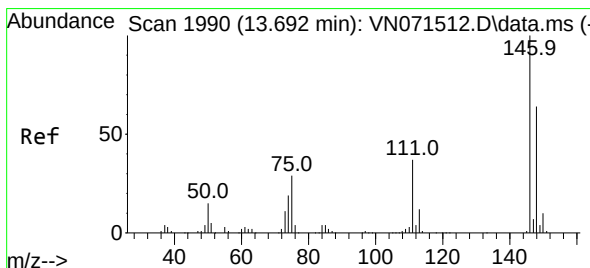
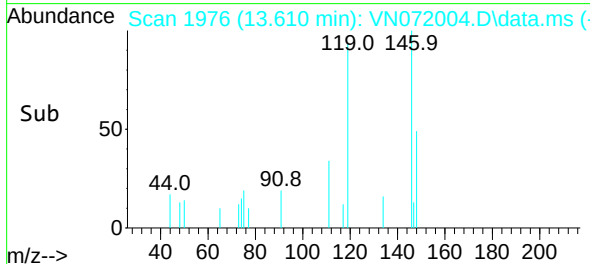
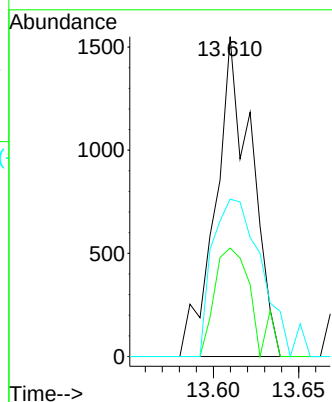
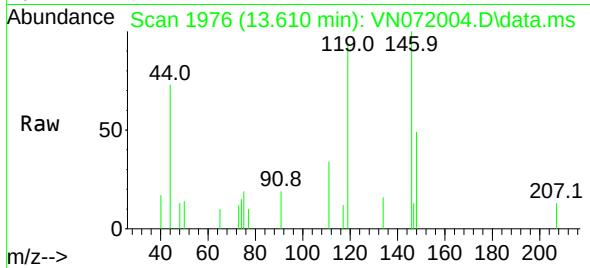




#83
 1,3-Dichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072004.D
 Acq: 15 Apr 2022 16:03

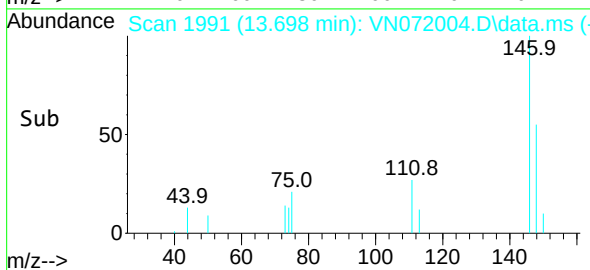
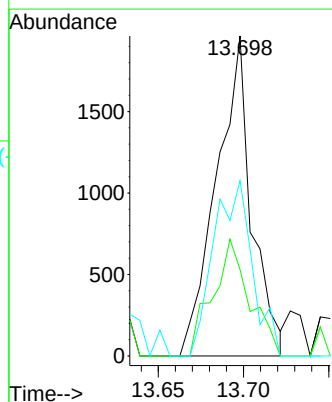
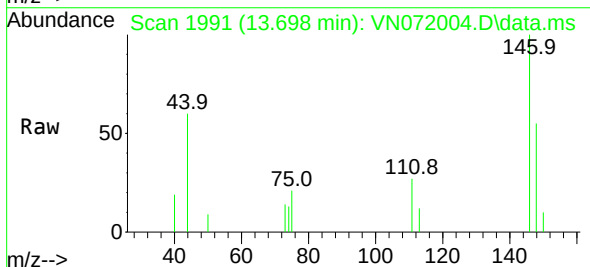
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBL01

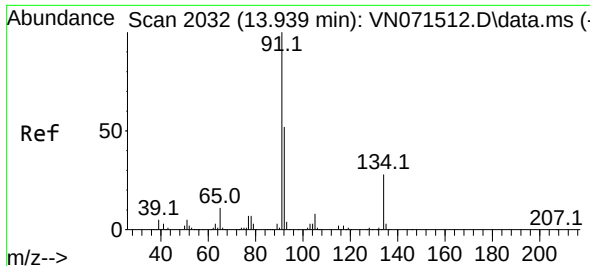
Tgt Ion:146 Resp: 2271
 Ion Ratio Lower Upper
 146 100
 111 31.4 20.8 62.2
 148 66.0 31.4 94.3



#84
 1,4-Dichlorobenzene
 Concen: 0.296 ug/l
 RT: 13.698 min Scan# 1991
 Delta R.T. 0.006 min
 Lab File: VN072004.D
 Acq: 15 Apr 2022 16:03

Tgt Ion:146 Resp: 2820
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.5 58.5
 148 60.1 31.1 93.5

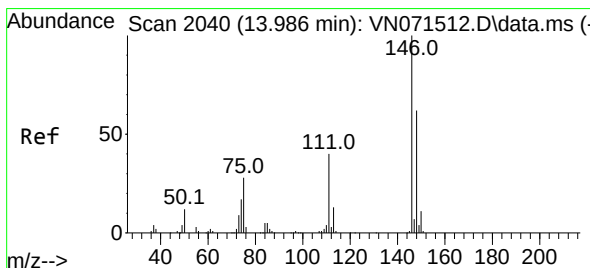
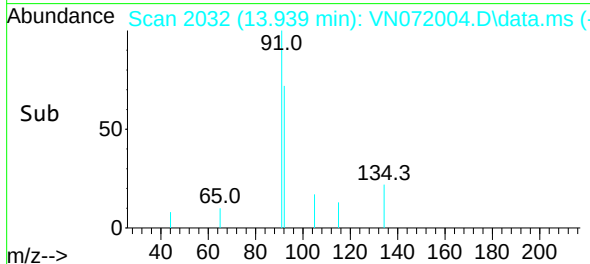
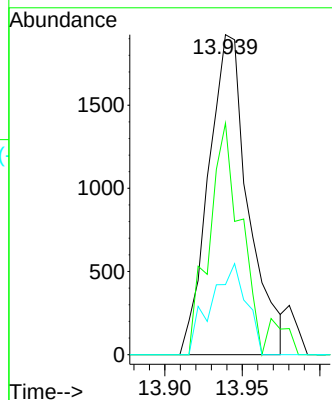
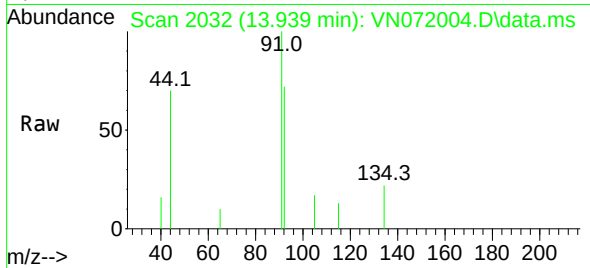




#85
n-Butylbenzene
Concen: 0.234 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

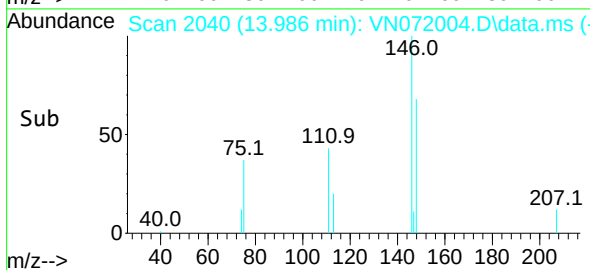
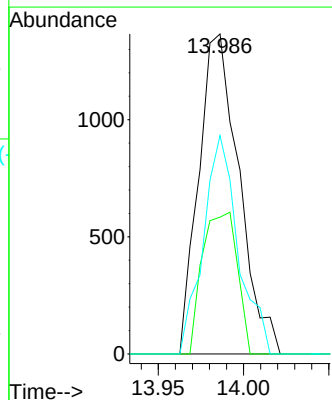
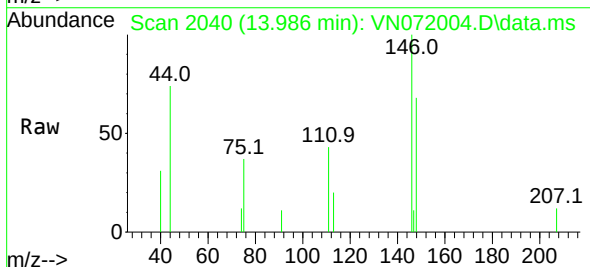
Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

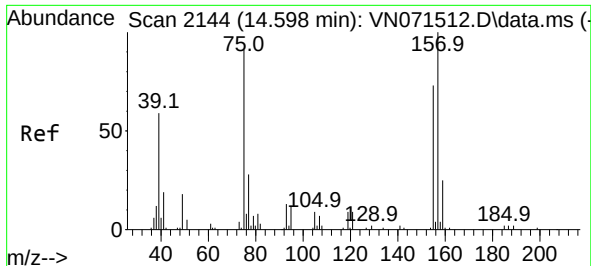
Tgt Ion:	91	Resp:	3436
Ion	Ratio	Lower	Upper
91	100		
92	56.5	0.0	100.6
134	25.4	0.0	50.2



#87
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion:	146	Resp:	2248
Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.4	64.2
148	59.0	32.5	97.4

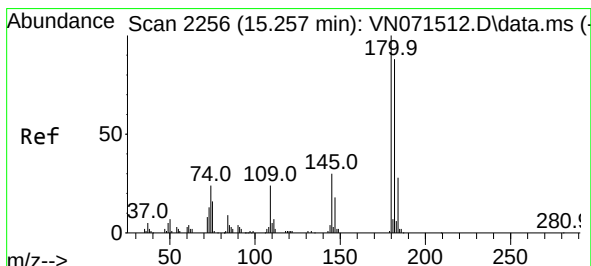
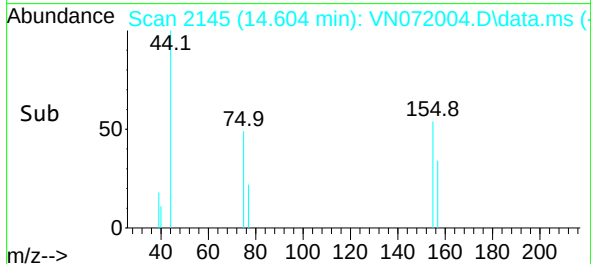
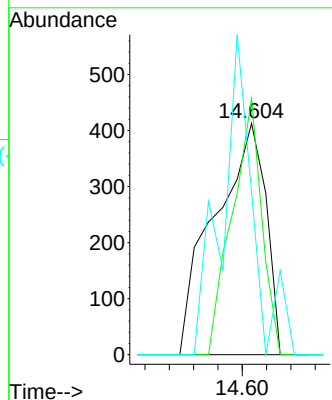
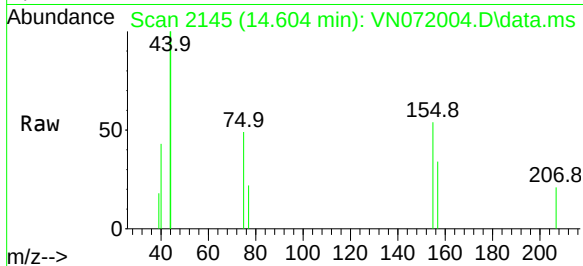




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.416 ug/l
 RT: 14.604 min Scan# 2145
 Delta R.T. 0.006 min
 Lab File: VN072004.D
 Acq: 15 Apr 2022 16:03

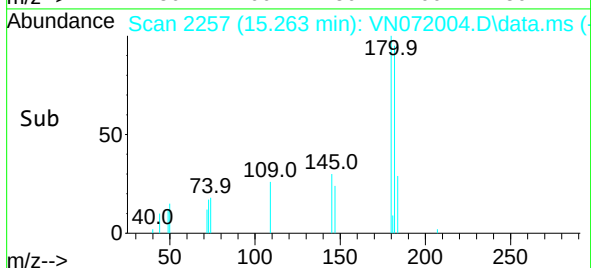
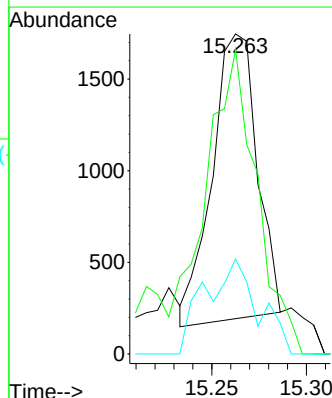
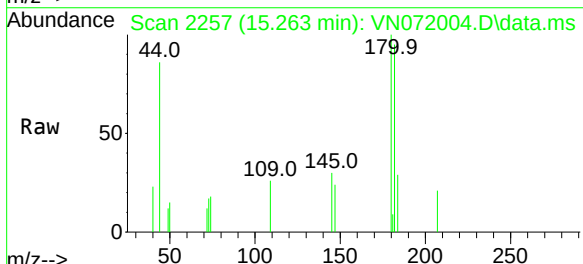
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBL01

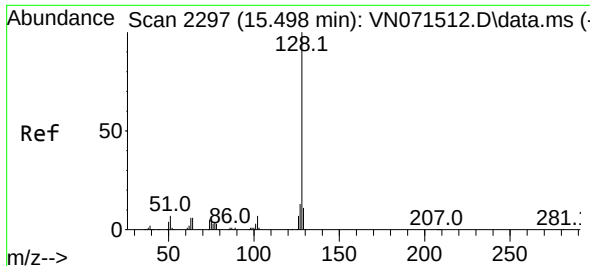
Tgt Ion: 75 Resp: 602
 Ion Ratio Lower Upper
 75 100
 155 64.0 63.8 95.8
 157 75.4 77.9 116.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.575 ug/l
 RT: 15.263 min Scan# 2257
 Delta R.T. 0.006 min
 Lab File: VN072004.D
 Acq: 15 Apr 2022 16:03

Tgt Ion: 180 Resp: 2567
 Ion Ratio Lower Upper
 180 100
 182 122.3 77.7 116.5#
 145 19.9 26.6 39.8#

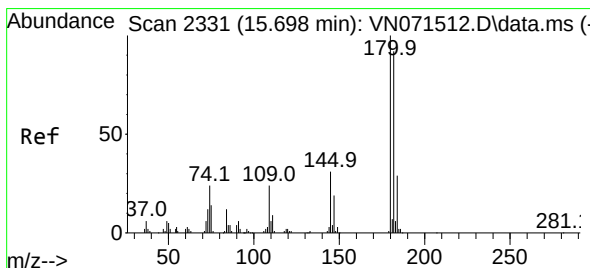
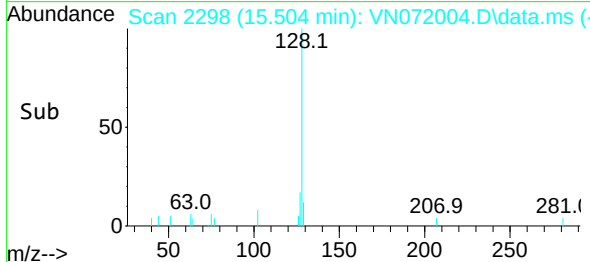
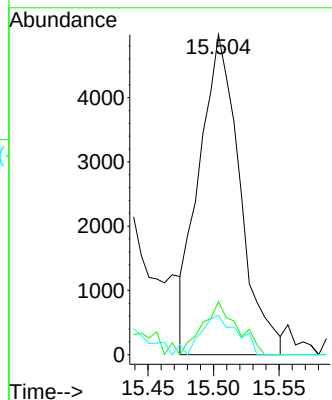
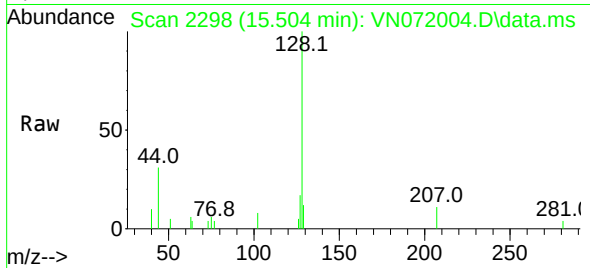




#91
Naphthalene
Concen: 7.501 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBL01

Tgt Ion:128 Resp: 10725
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 10.7 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.991 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN072004.D
Acq: 15 Apr 2022 16:03

Tgt Ion:180 Resp: 4335
Ion Ratio Lower Upper
180 100
182 85.2 0.0 190.0
145 35.7 0.0 67.8

