

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069719.D
 Acq On : 3 Dec 2021 15:38
 Operator : JC/MD
 Sample : M4922-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D4-20211129

Quant Time: Dec 04 05:32:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

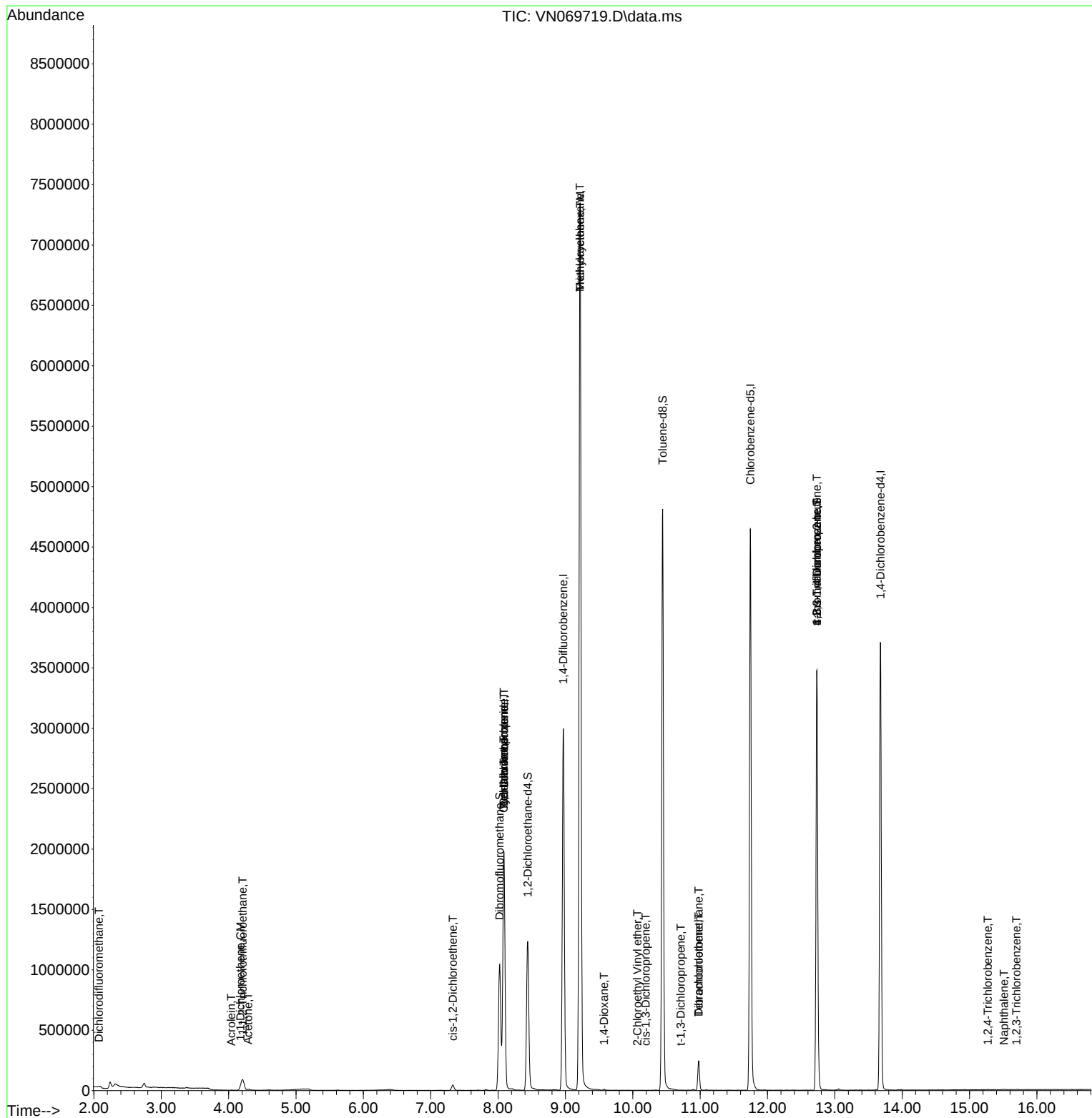
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1467898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2549530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2611765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	997985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1085911	47.913	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.820%
35) Dibromofluoromethane	8.024	113	754132	47.223	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.440%
50) Toluene-d8	10.443	98	3236269	50.469	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.733	95	1215703	52.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	5088	0.297	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.207	101	54362	3.747	ug/l	97
12) 1,1-Dichloroethene	4.175	96	10270	0.734	ug/l #	82
13) Acrolein	4.038	56	1029	0.282	ug/l #	14
16) Acetone	4.291	43	4416	0.324	ug/l	92
27) cis-1,2-Dichloroethene	7.329	96	24408	1.330	ug/l	98
31) Cyclohexane	8.083	56	37629	1.193	ug/l #	8
36) 1,1-Dichloropropene	8.086	75	126624	5.217	ug/l #	50
38) Carbon Tetrachloride	8.086	117	151981	6.386	ug/l #	16
39) Methylcyclohexane	9.215	83	34555	1.197	ug/l #	1
44) Trichloroethene	9.217	130	2574683	145.407	ug/l	90
49) 1,4-Dioxane	9.574	88	5075	11.337	ug/l #	70
53) t-1,3-Dichloropropene	10.711	75	227	2.801	ug/l #	6
54) cis-1,3-Dichloropropene	10.194	75	121	2.002	ug/l #	52
58) 2-Chloroethyl Vinyl ether	10.068	63	167	18.405	ug/l #	45
60) Dibromochloromethane	10.979	129	52359	4.923	ug/l #	11
64) Tetrachloroethene	10.977	164	53343	3.012	ug/l	94
76) 1,2,3-Trichloropropane	12.733	75	680384	23.773	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	680384	75.548	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	979	2.934	ug/l #	37
95) Naphthalene	15.509	128	4848	4.077	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.694	180	582	2.470	ug/l #	14

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

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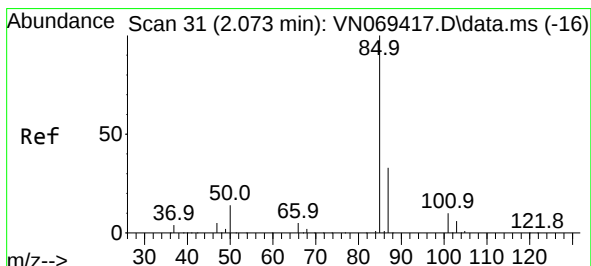
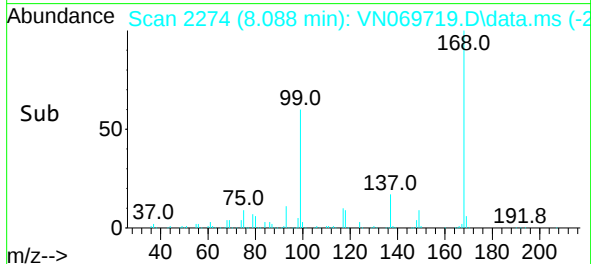
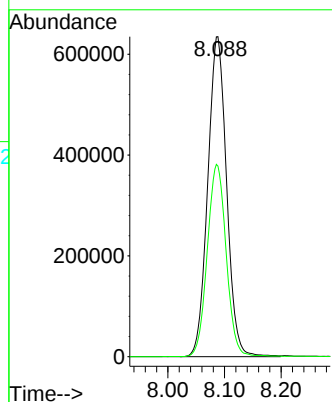
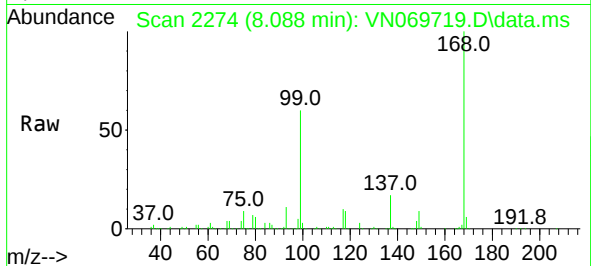




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

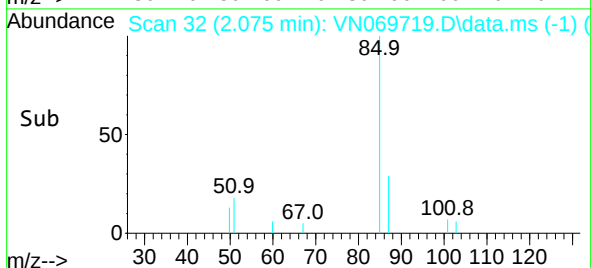
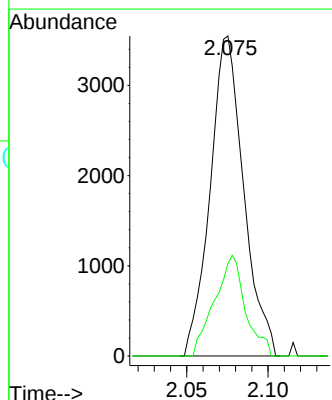
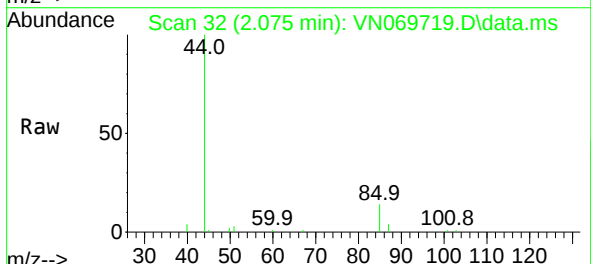
Instrument :
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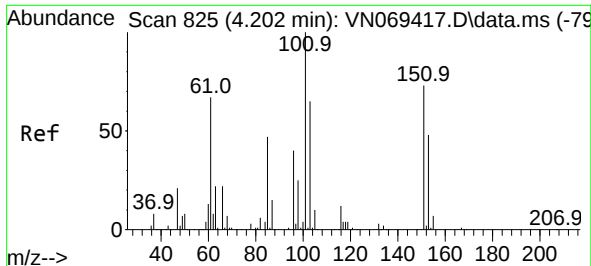
Tgt Ion:168 Resp: 1467898
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.297 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 85 Resp: 5088
Ion Ratio Lower Upper
85 100
87 28.8 16.3 48.9

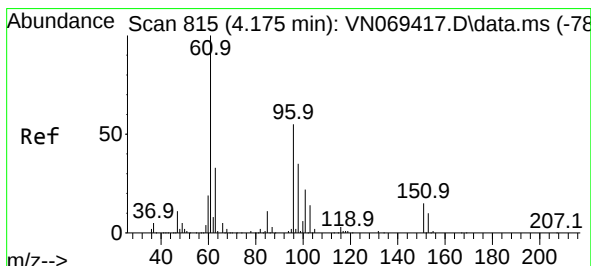
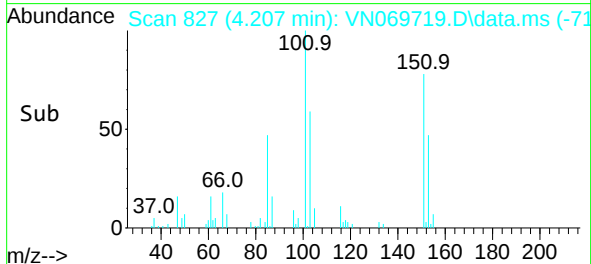
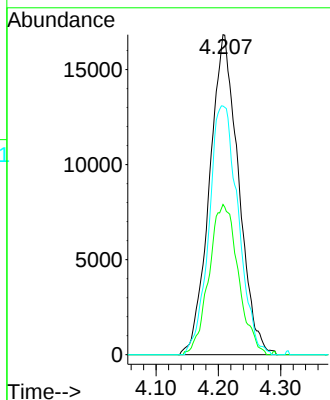
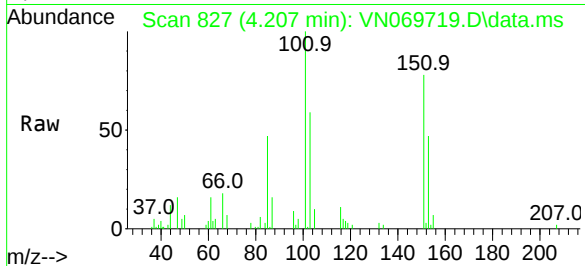




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.747 ug/l
RT: 4.207 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

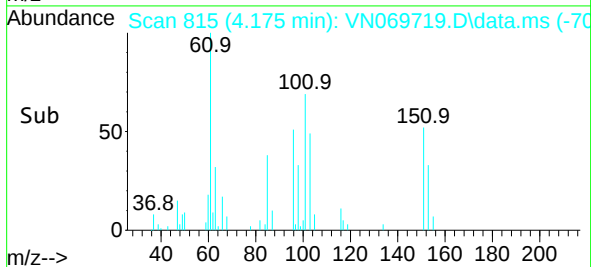
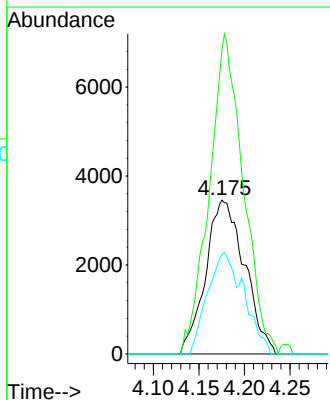
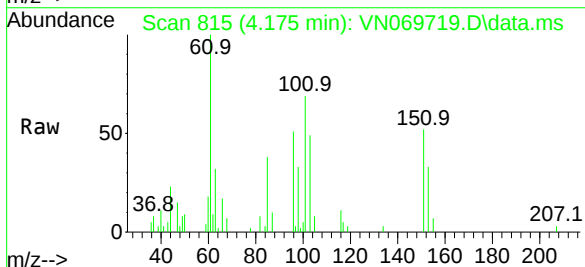
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

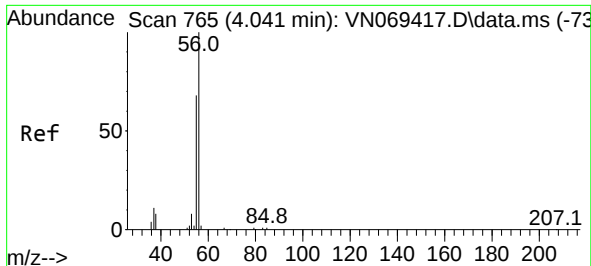
Tgt Ion:101 Resp: 54362
Ion Ratio Lower Upper
101 100
85 47.5 37.2 55.8
151 78.6 65.9 98.9



#12
1,1-Dichloroethene
Concen: 0.734 ug/l
RT: 4.175 min Scan# 815
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 96 Resp: 10270
Ion Ratio Lower Upper
96 100
61 197.4 131.0 196.6#
98 64.8 52.4 78.6

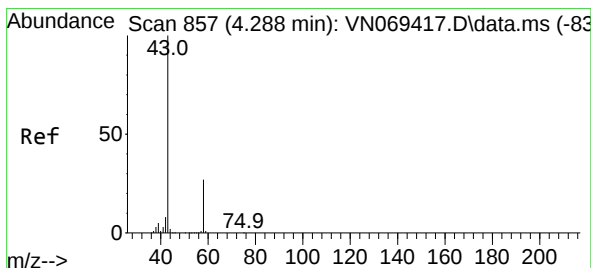
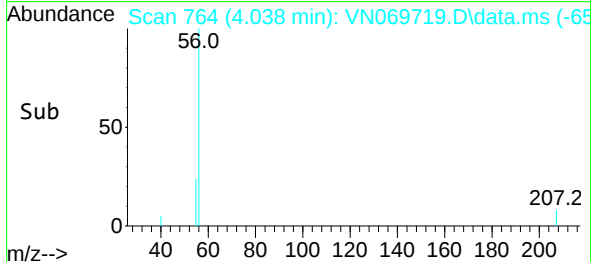
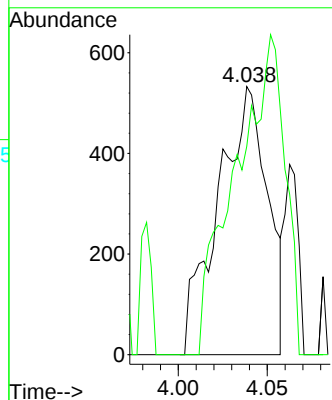
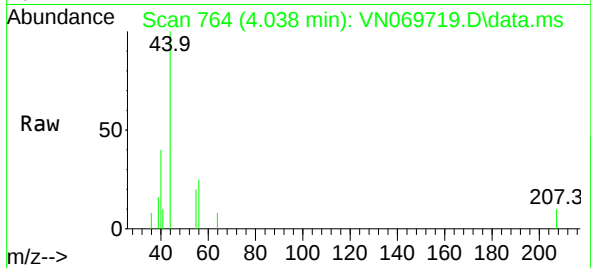




#13
Acrolein
Concen: 0.282 ug/l
RT: 4.038 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

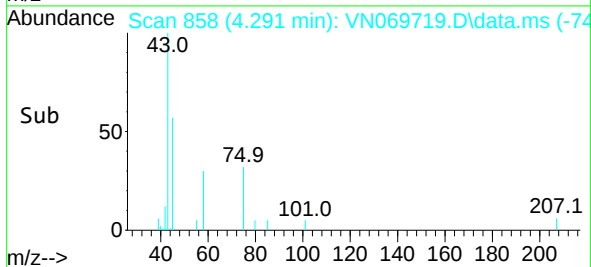
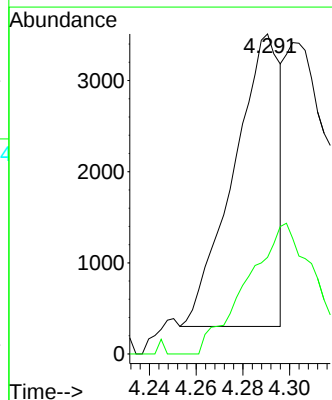
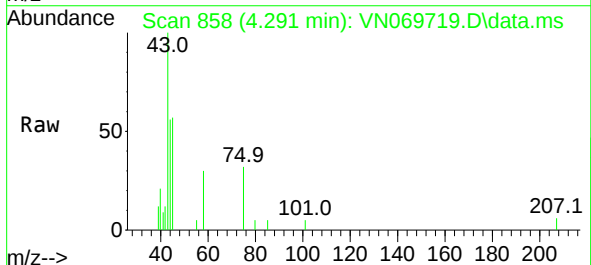
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MSVOA_N
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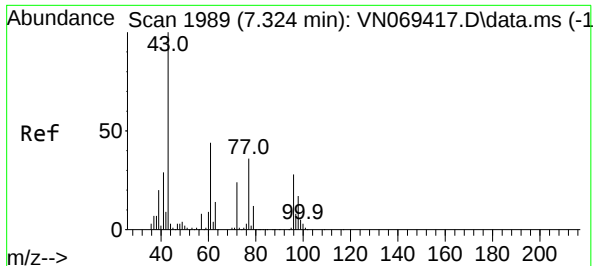
Tgt Ion: 56 Resp: 1029
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 0.324 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
58 33.1 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 1.330 ug/l

RT: 7.329 min Scan# 1989

Delta R.T. 0.003 min

Lab File: VN069719.D

Acq: 3 Dec 2021 15:38

Instrument :

MSVOA_N

ClientSampleId :

RE132D4-20211129

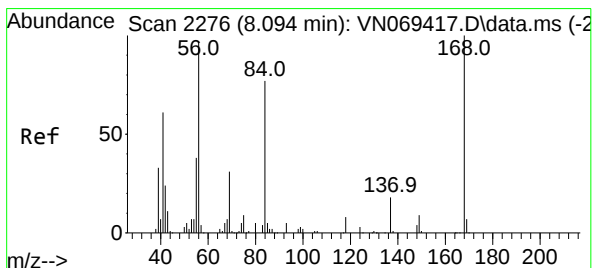
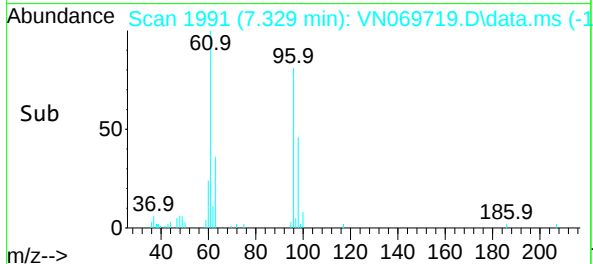
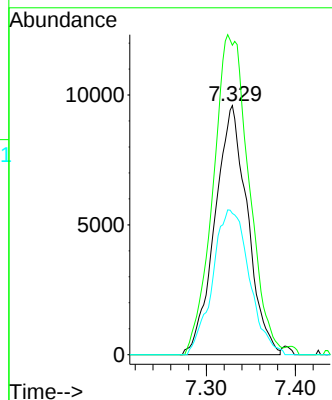
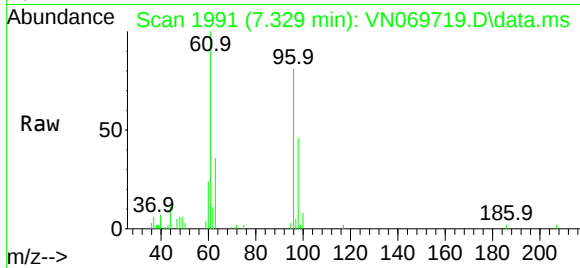
Tgt Ion: 96 Resp: 24408

Ion Ratio Lower Upper

96 100

61 141.1 0.0 275.0

98 65.3 0.0 129.6



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069719.D

Acq: 3 Dec 2021 15:38

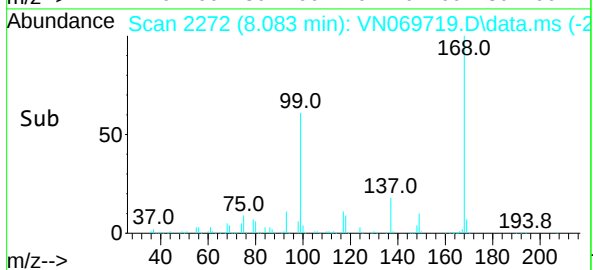
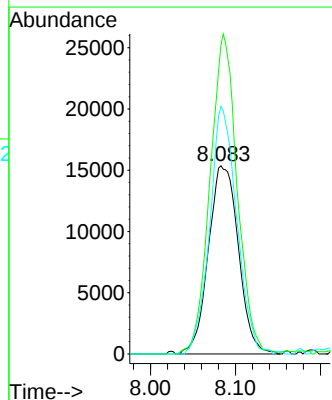
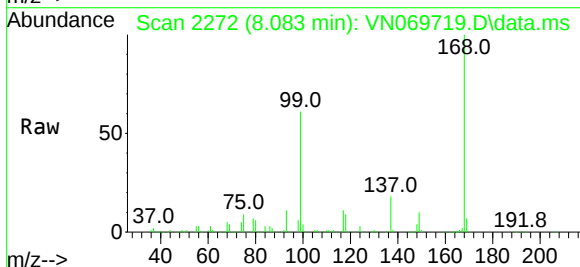
Tgt Ion: 56 Resp: 37629

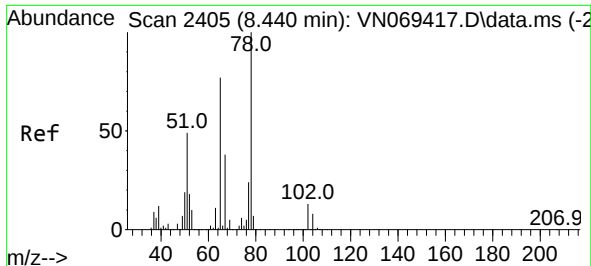
Ion Ratio Lower Upper

56 100

69 163.5 27.1 40.7#

84 131.5 73.4 110.0#



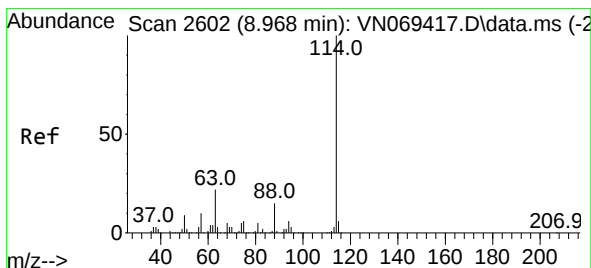
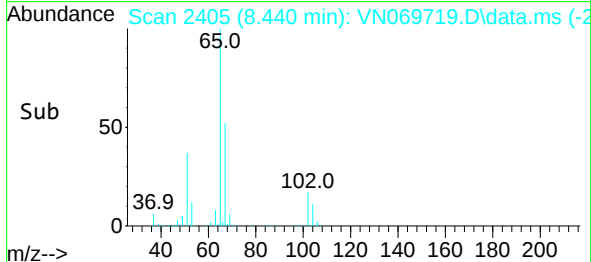
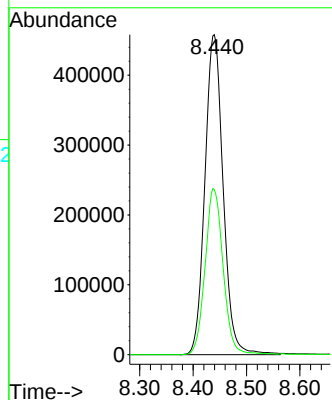
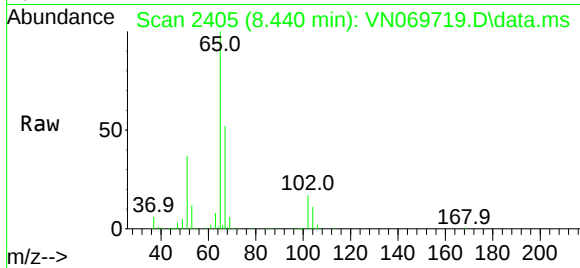


#33
 1,2-Dichloroethane-d4
 Concen: 47.913 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN069719.D
 Acq: 3 Dec 2021 15:38

Instrument :
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 ClientSampleId :
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Tgt Ion: 65 Resp: 1085911

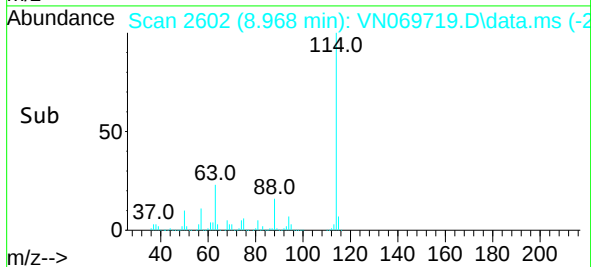
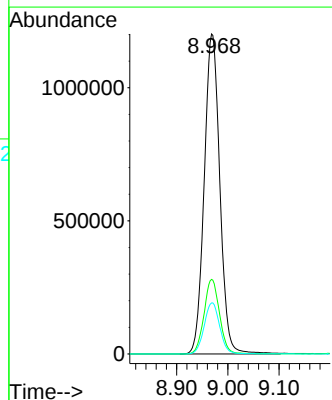
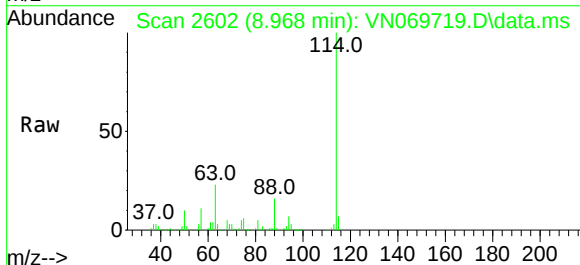
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

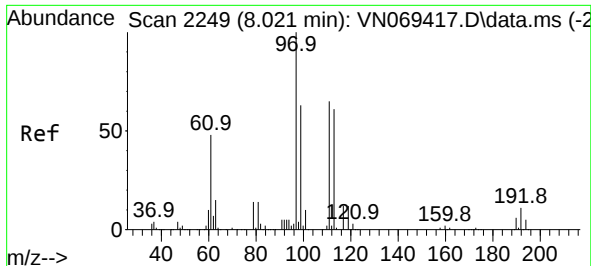


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069719.D
 Acq: 3 Dec 2021 15:38

Tgt Ion: 114 Resp: 2549530

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	37.8
88	15.9	0.0	27.4

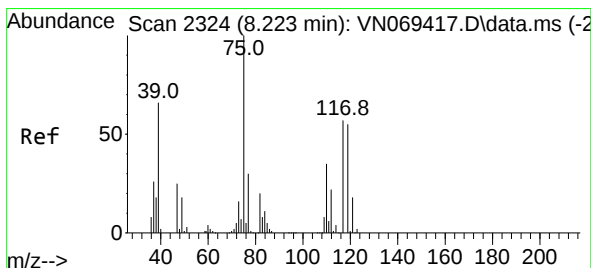
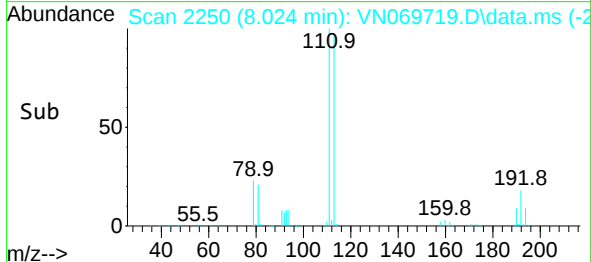
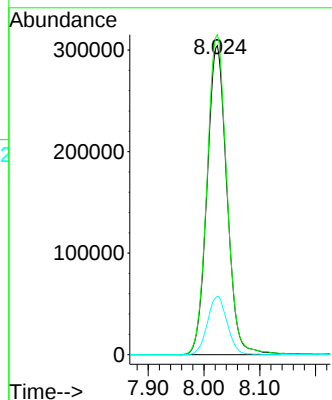
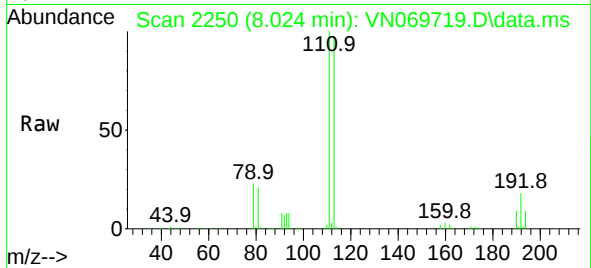




#35
Dibromofluoromethane
Concen: 47.223 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

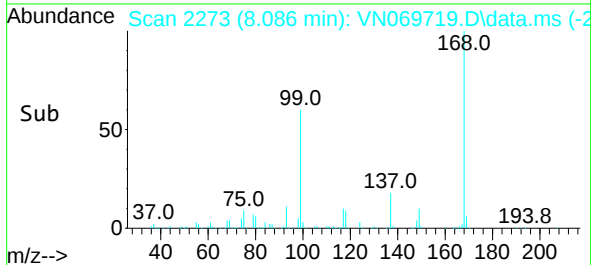
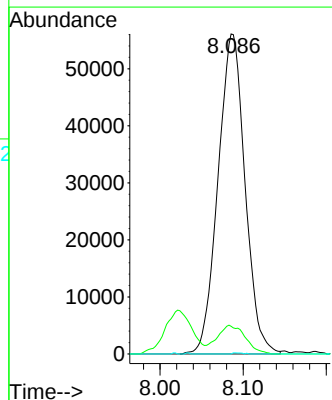
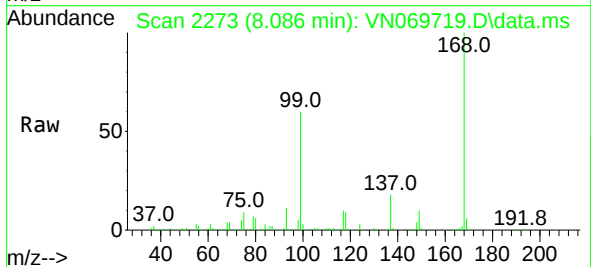
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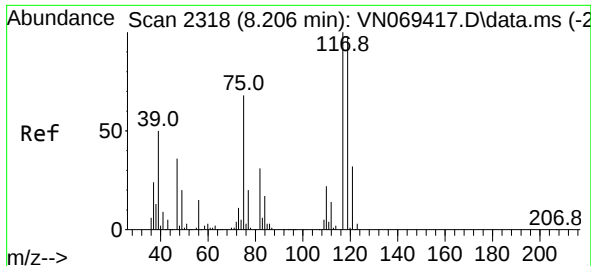
Tgt Ion:113 Resp: 754132
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.217 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

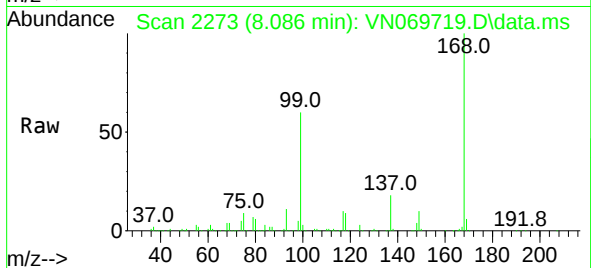
Tgt Ion: 75 Resp: 126624
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.1 24.4 36.6#



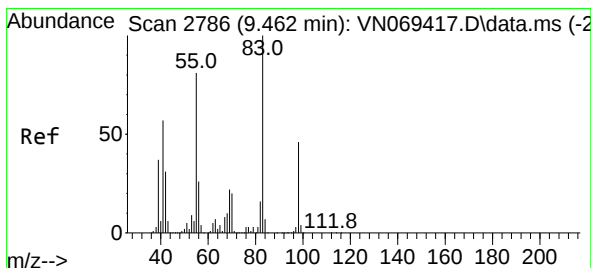
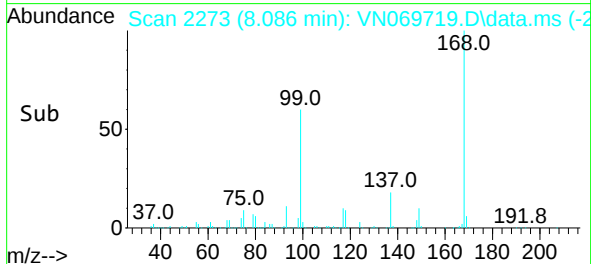
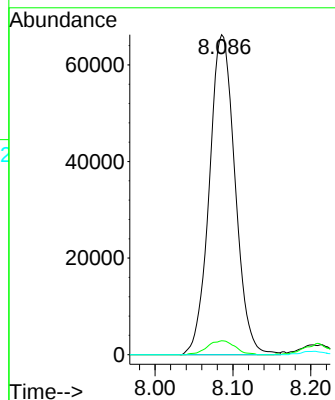


#38
Carbon Tetrachloride
Concen: 6.386 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

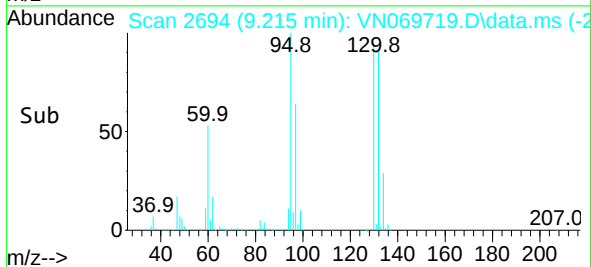
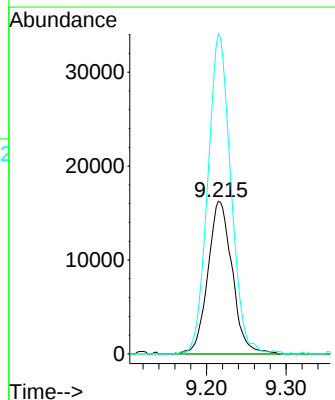
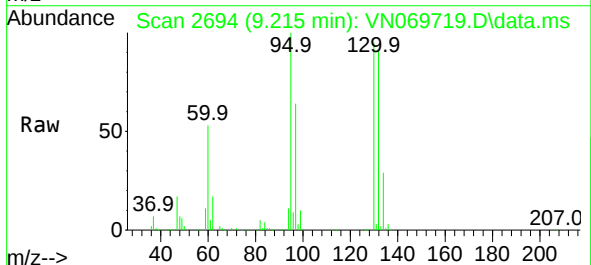


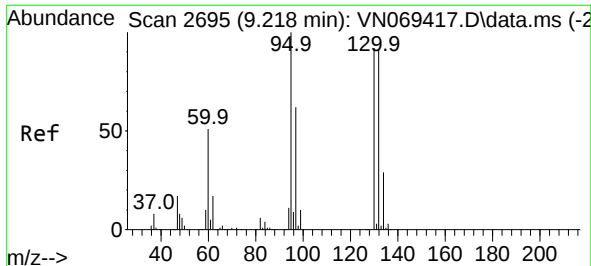
Tgt Ion:117 Resp: 151981
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.197 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 83 Resp: 34555
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 208.7 38.4 57.6#

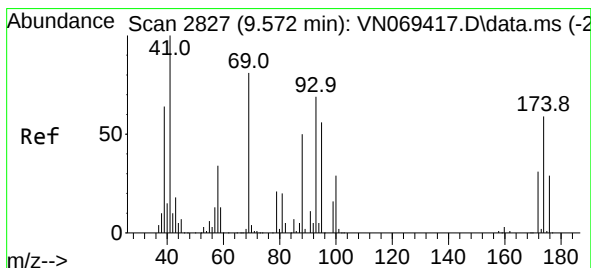
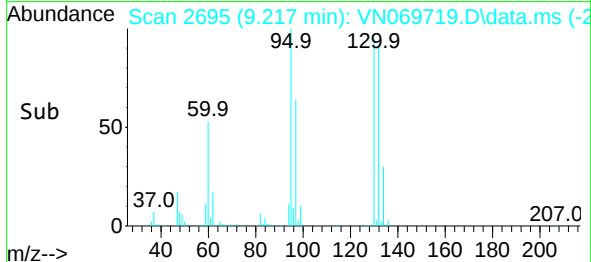
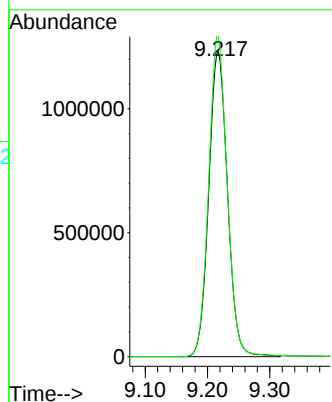
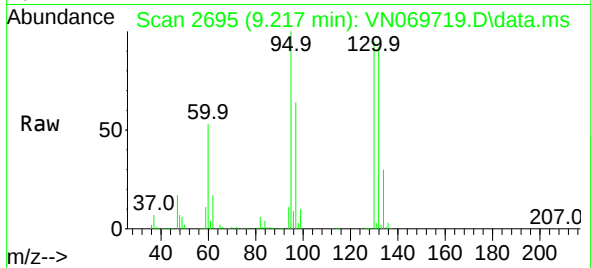




#44
Trichloroethene
Concen: 145.407 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

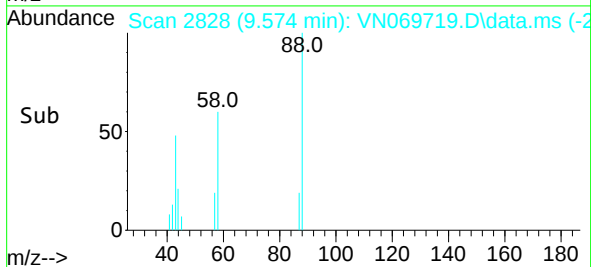
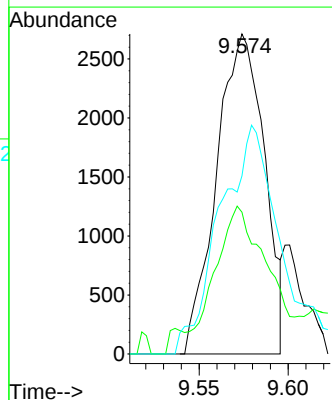
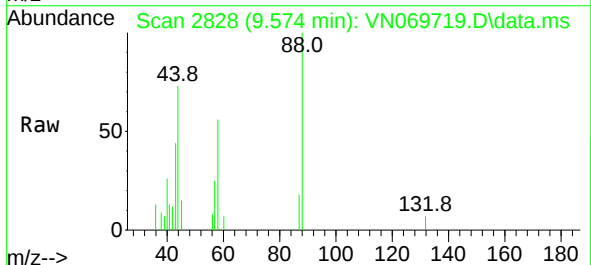
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

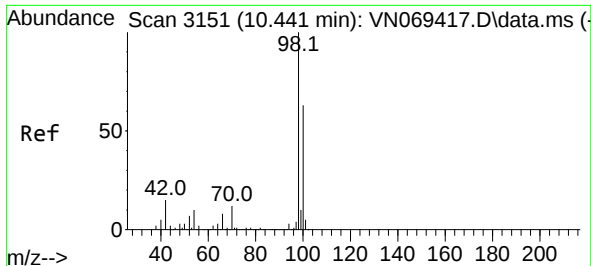
Tgt Ion:130 Resp: 2574683
Ion Ratio Lower Upper
130 100
95 105.0 0.0 191.2



#49
1,4-Dioxane
Concen: 11.337 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 88 Resp: 5075
Ion Ratio Lower Upper
88 100
43 37.3 23.4 35.2#
58 92.5 50.6 75.8#

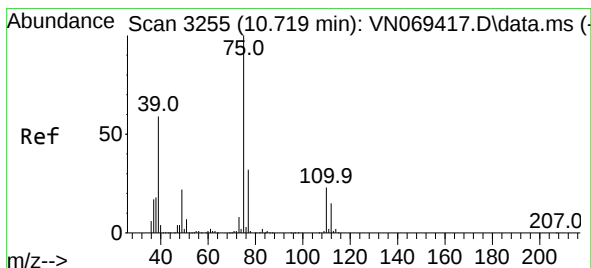
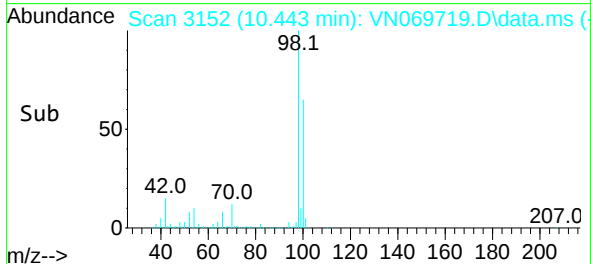
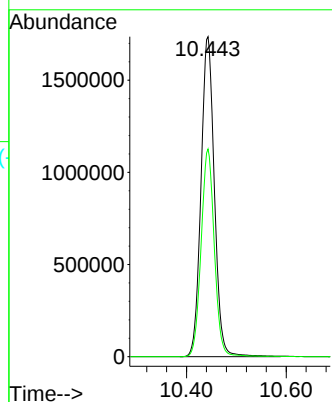
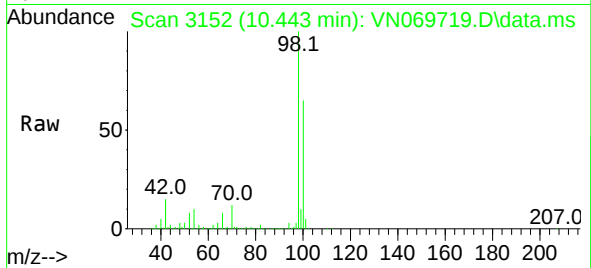




#50
Toluene-d8
Concen: 50.469 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

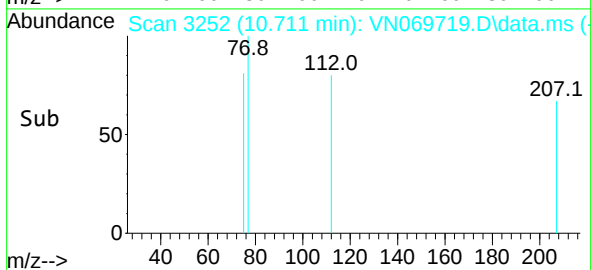
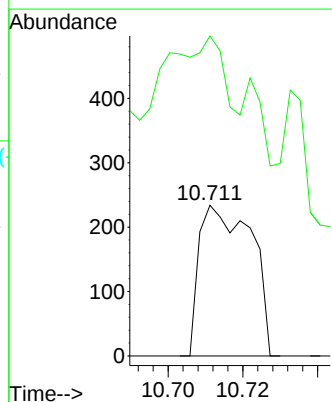
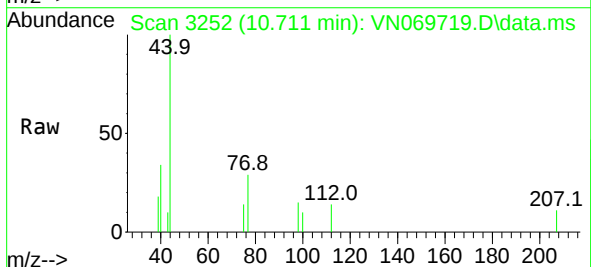
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

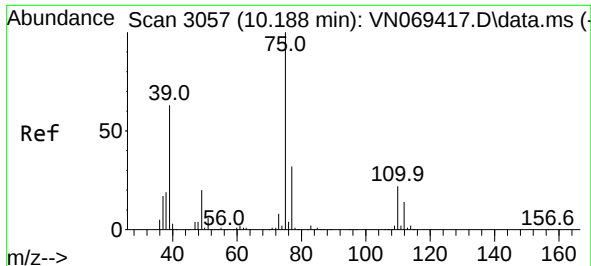
Tgt Ion: 98 Resp: 3236269
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.801 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 75 Resp: 227
Ion Ratio Lower Upper
75 100
77 84.6 25.6 38.4#

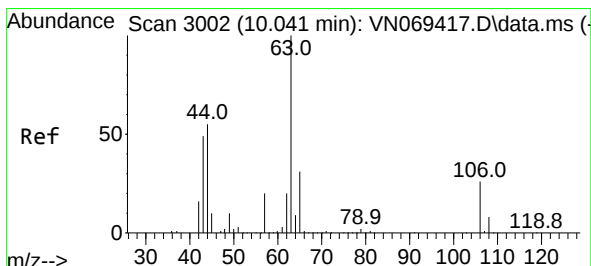
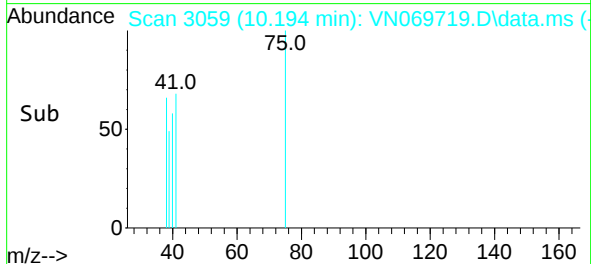
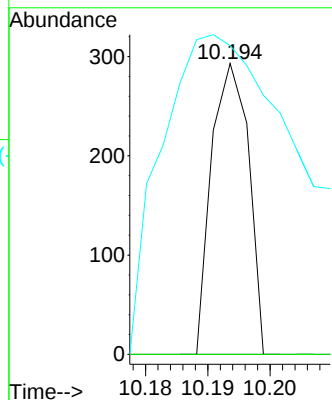
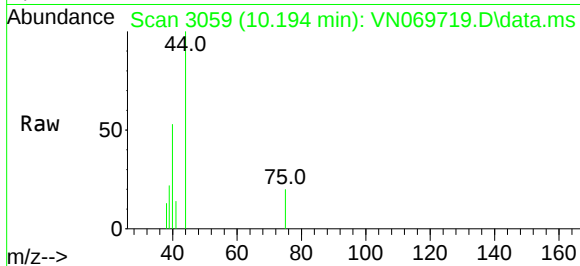




#54
 cis-1,3-Dichloropropene
 Concen: 2.002 ug/l
 RT: 10.194 min Scan# 3059
 Delta R.T. 0.003 min
 Lab File: VN069719.D
 Acq: 3 Dec 2021 15:38

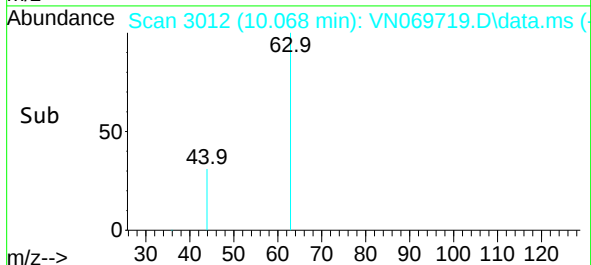
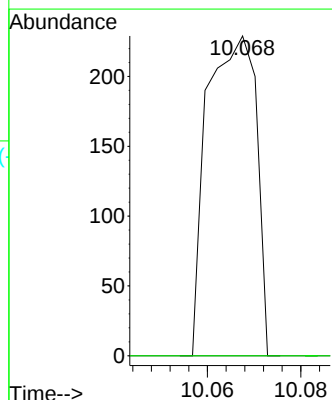
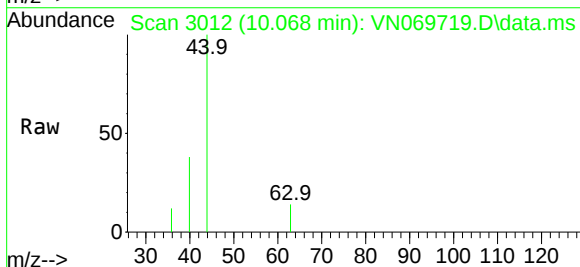
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D4-20211129

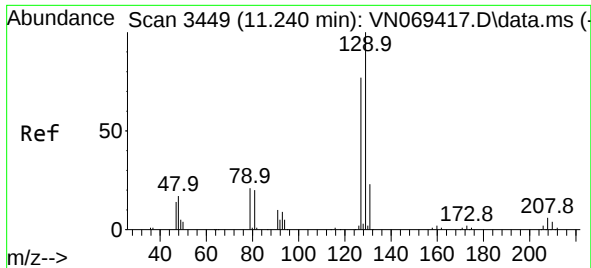
Tgt Ion: 75 Resp: 121
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 23.2 42.5 63.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.405 ug/l
 RT: 10.068 min Scan# 3012
 Delta R.T. 0.025 min
 Lab File: VN069719.D
 Acq: 3 Dec 2021 15:38

Tgt Ion: 63 Resp: 167
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

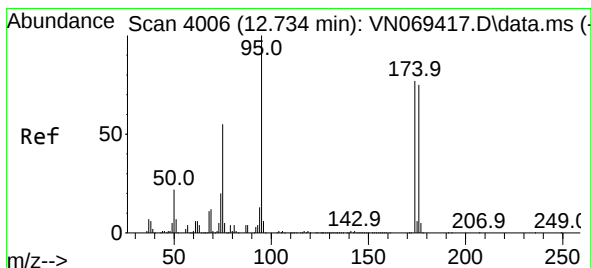
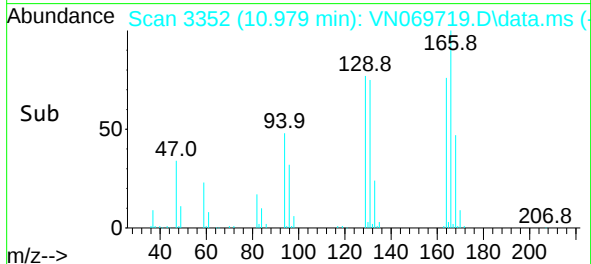
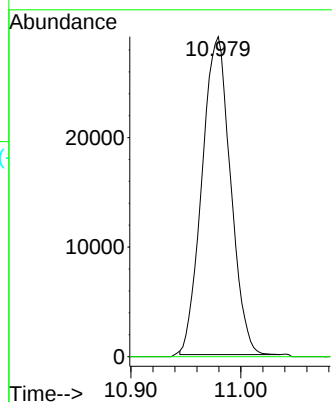
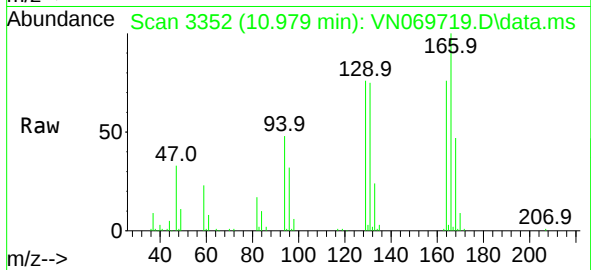




#60
Dibromochloromethane
Concen: 4.923 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

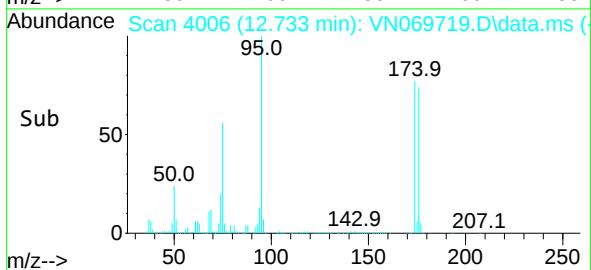
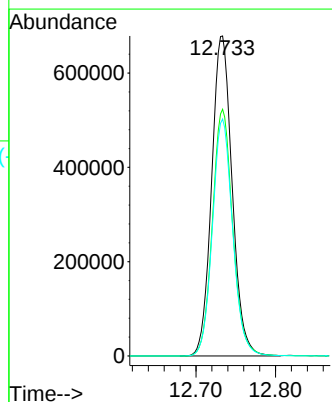
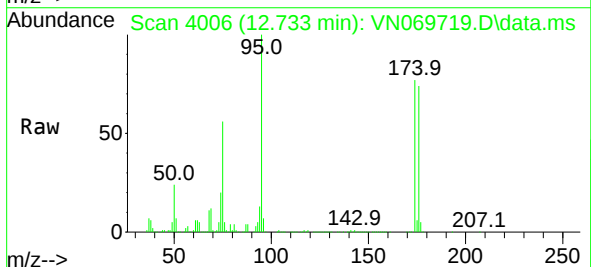
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

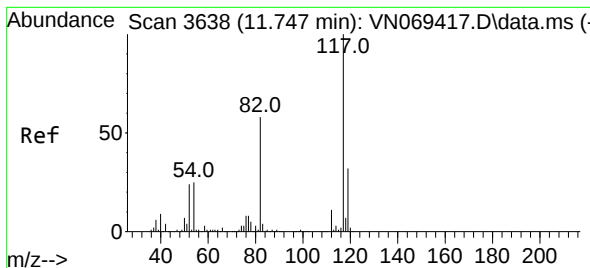
Tgt Ion:129 Resp: 52359
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.332 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 95 Resp: 1215703
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.1 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069719.D

Acq: 3 Dec 2021 15:38

Instrument :

MSVOA_N

ClientSampleId :

RE132D4-20211129

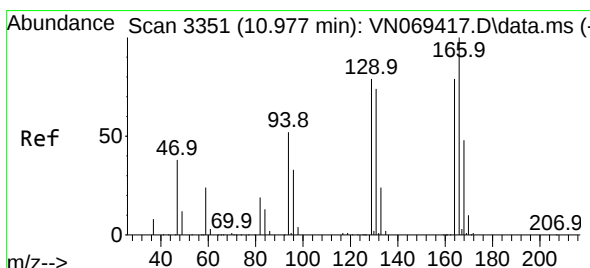
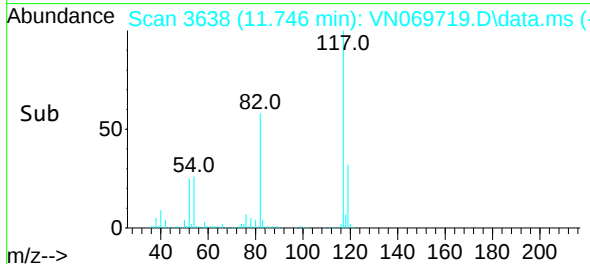
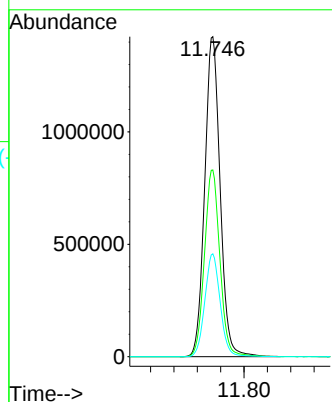
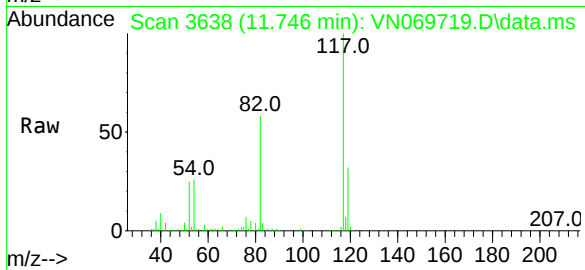
Tgt Ion:117 Resp: 2611765

Ion Ratio Lower Upper

117 100

82 58.4 42.4 63.6

119 32.1 25.4 38.2



#64

Tetrachloroethene

Concen: 3.012 ug/l

RT: 10.977 min Scan# 3351

Delta R.T. -0.002 min

Lab File: VN069719.D

Acq: 3 Dec 2021 15:38

Tgt Ion:164 Resp: 53343

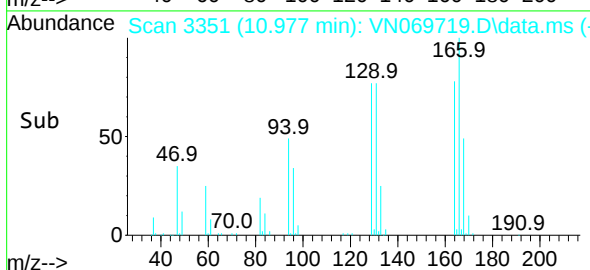
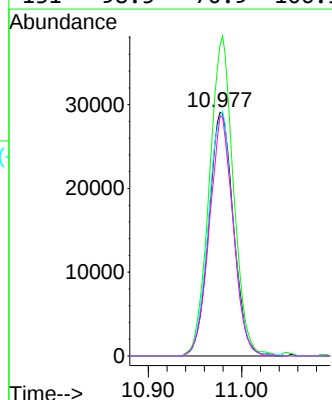
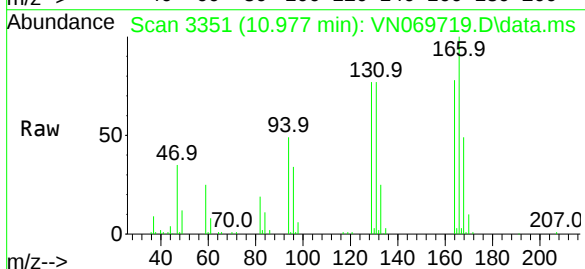
Ion Ratio Lower Upper

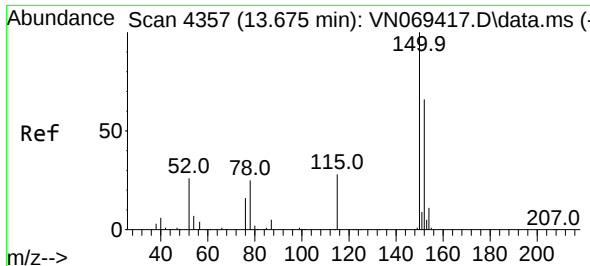
164 100

166 127.5 101.9 152.9

129 98.2 72.0 108.0

131 98.5 70.9 106.3

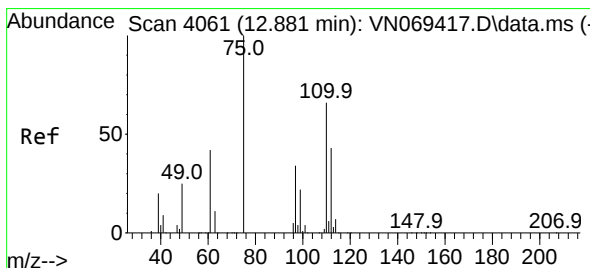
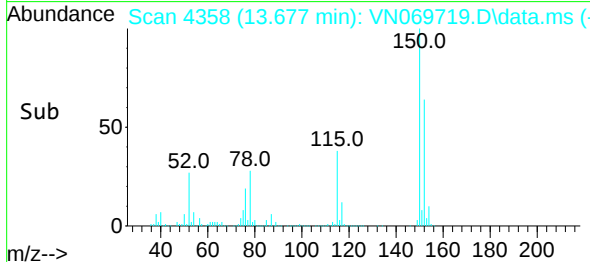
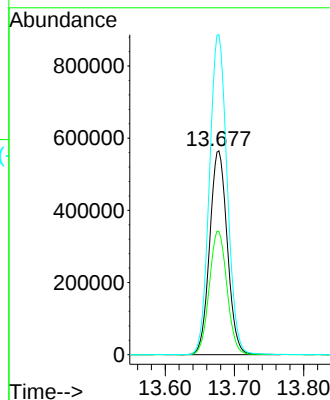
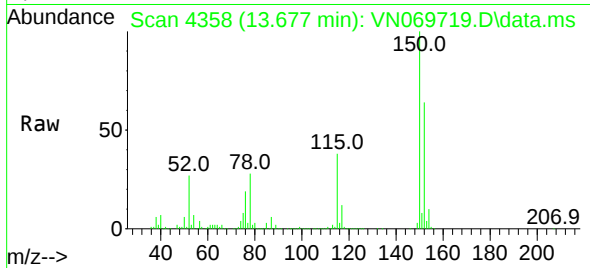




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

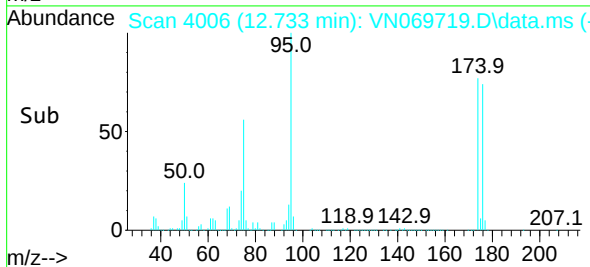
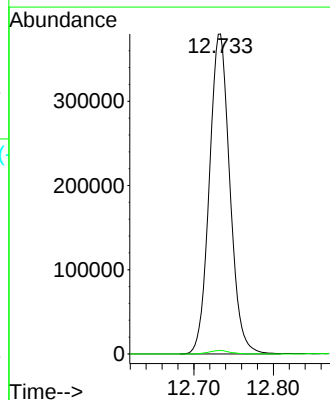
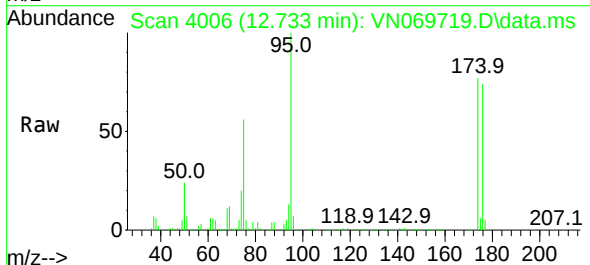
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

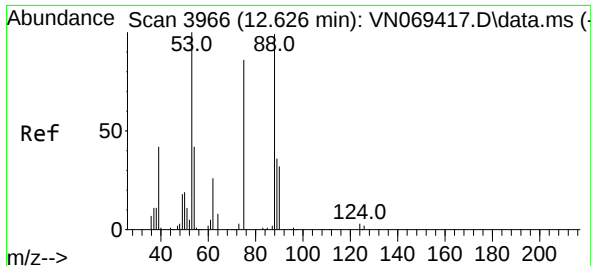
Tgt Ion:152 Resp: 997985
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.8 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.773 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion: 75 Resp: 680384
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

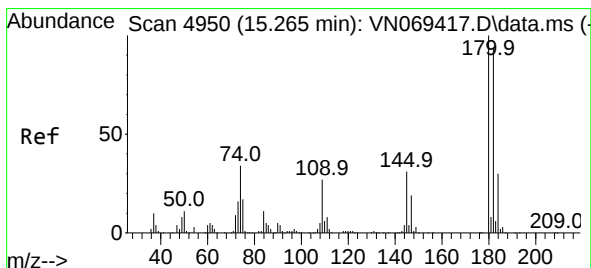
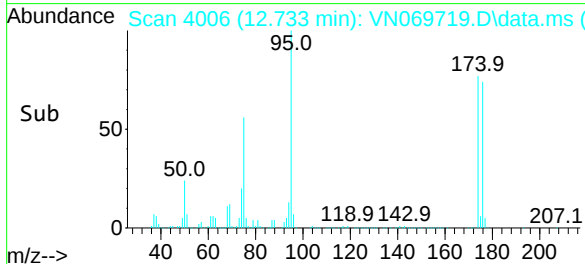
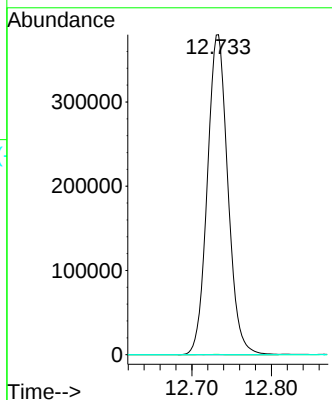
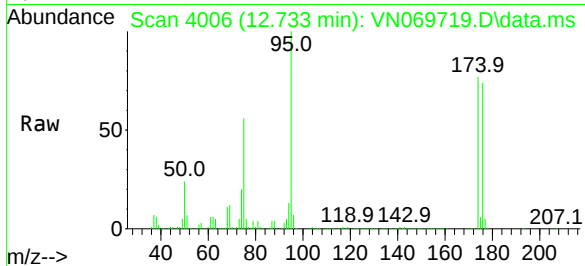




#81
trans-1,4-Dichloro-2-butene
Concen: 75.548 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

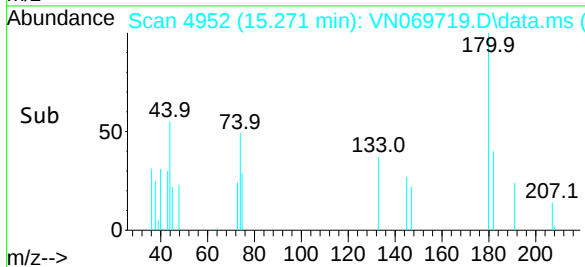
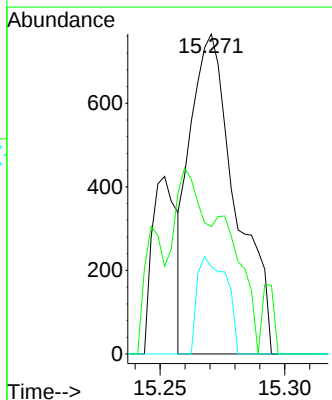
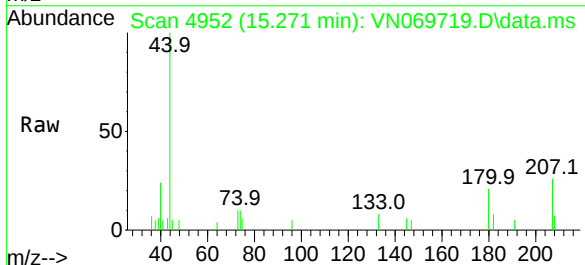
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

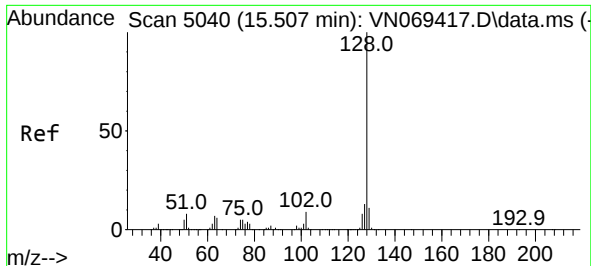
Tgt Ion: 75 Resp: 680384
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.934 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion:180 Resp: 979
Ion Ratio Lower Upper
180 100
182 21.3 48.3 144.9#
145 19.4 14.5 43.5

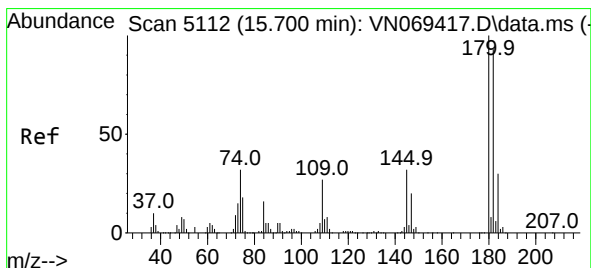
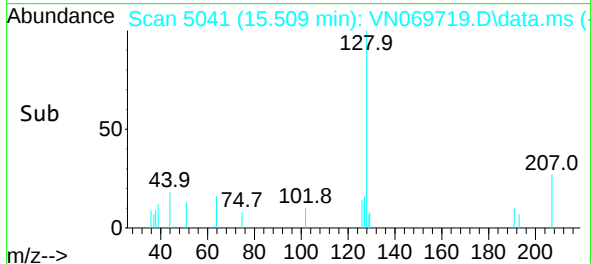
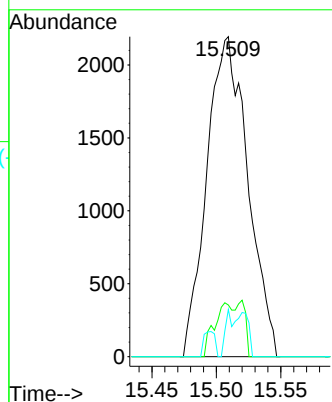
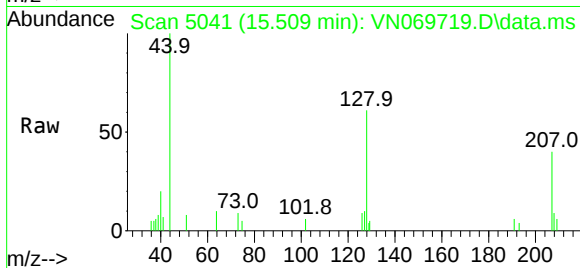




#95
Naphthalene
Concen: 4.077 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20211129

Tgt Ion:128 Resp: 4848
Ion Ratio Lower Upper
128 100
127 7.3 10.5 15.7#
129 2.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.470 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN069719.D
Acq: 3 Dec 2021 15:38

Tgt Ion:180 Resp: 582
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 4.3 15.0 45.1#

