

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069767.D
 Acq On : 4 Dec 2021 15:56
 Operator : JC/MD
 Sample : M4922-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20211129

Quant Time: Dec 06 00:17:02 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

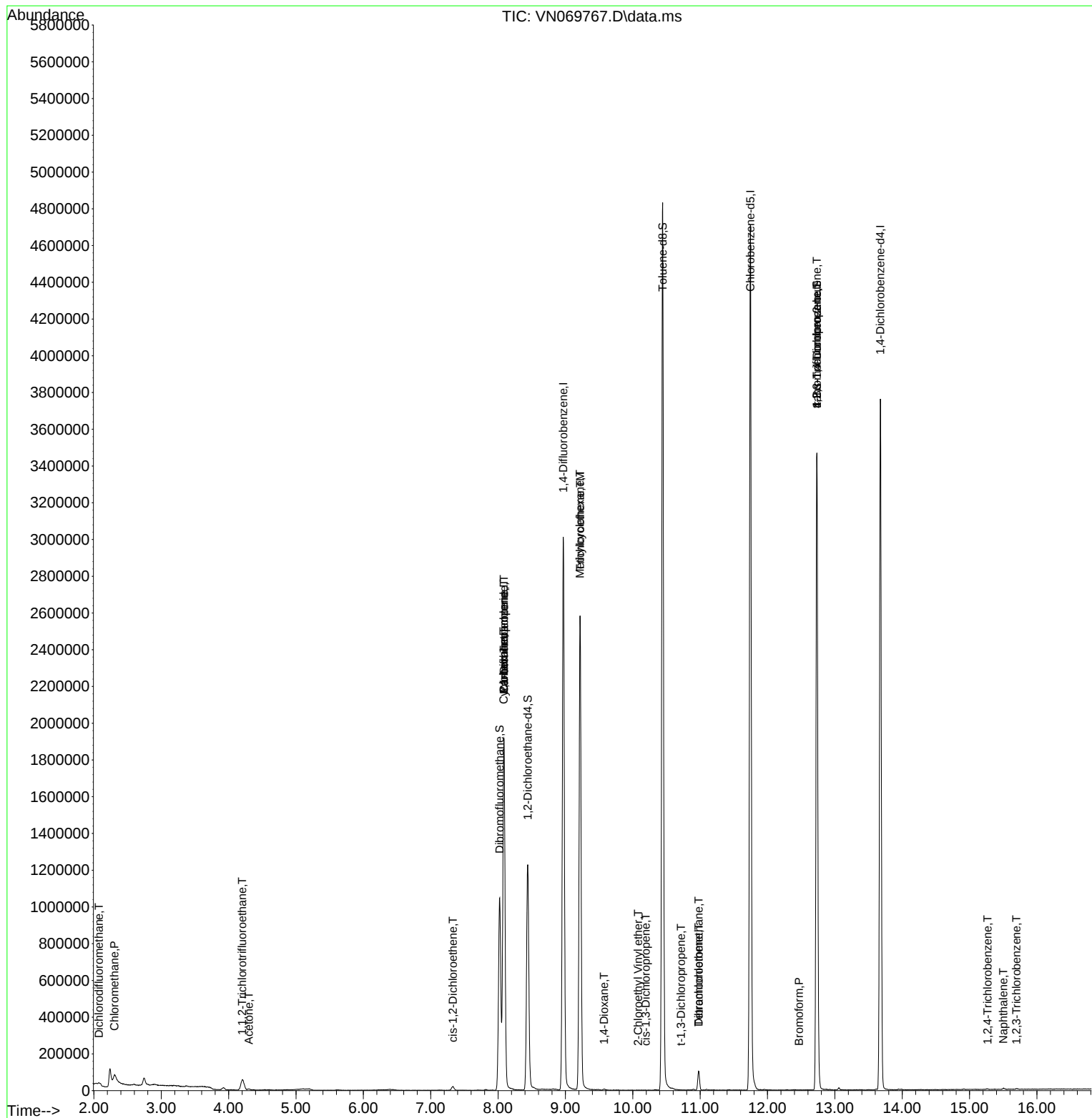
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1427042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2523726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2634755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1002251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1080471	49.038	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.080%
35) Dibromofluoromethane	8.024	113	754889	47.753	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.500%
50) Toluene-d8	10.443	98	3255726	51.292	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.733	95	1224341	53.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	7164	0.430	ug/l	97
3) Chloromethane	2.303	50	4510	0.216	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.202	101	35156	2.492	ug/l #	87
16) Acetone	4.299	43	6445	0.486	ug/l	94
27) cis-1,2-Dichloroethene	7.329	96	11232	0.630	ug/l	96
31) Cyclohexane	8.083	56	37281	1.216	ug/l #	34
36) 1,1-Dichloropropene	8.088	75	121119	5.041	ug/l #	49
38) Carbon Tetrachloride	8.086	117	146916	6.236	ug/l #	17
39) Methylcyclohexane	9.215	83	12986	0.454	ug/l #	1
44) Trichloroethene	9.217	130	904199	51.587	ug/l	89
49) 1,4-Dioxane	9.574	88	4249	9.589	ug/l #	65
53) t-1,3-Dichloropropene	10.714	75	208	2.801	ug/l #	76
54) cis-1,3-Dichloropropene	10.191	75	148	2.003	ug/l #	30
58) 2-Chloroethyl Vinyl ether	10.078	63	89	18.398	ug/l #	45
60) Dibromochloromethane	10.977	129	22933	3.503	ug/l #	11
64) Tetrachloroethene	10.977	164	23413	1.311	ug/l	94
71) Bromoform	12.468	173	24	2.732	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	688351	23.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	688351	76.077	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1520	2.965	ug/l	76
95) Naphthalene	15.501	128	4920	4.078	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.697	180	866	2.487	ug/l #	56

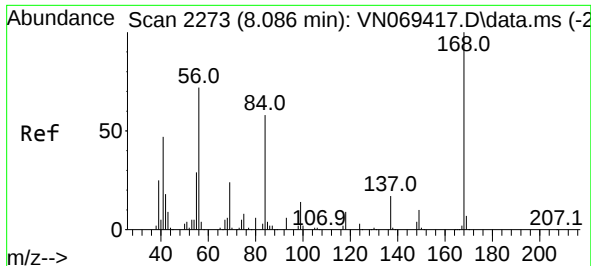
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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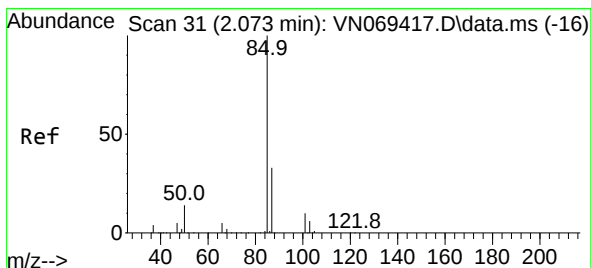
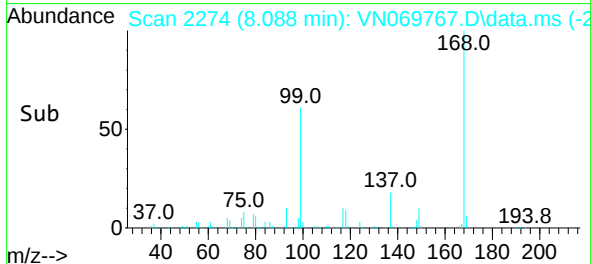
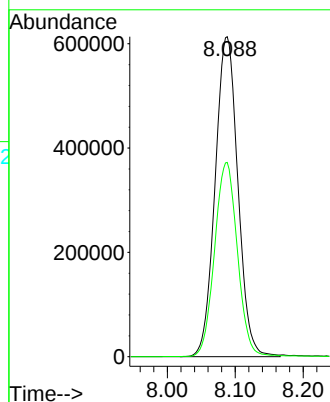
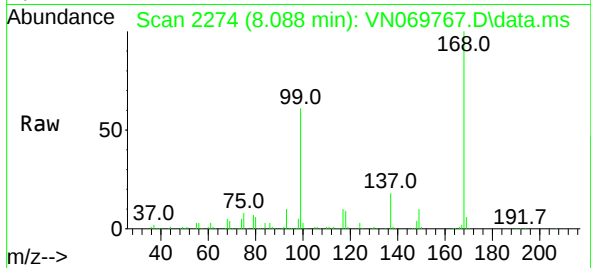




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

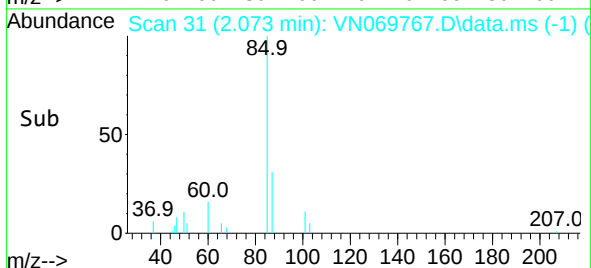
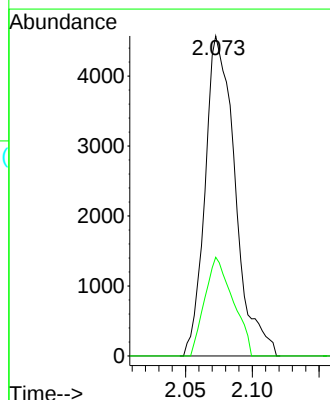
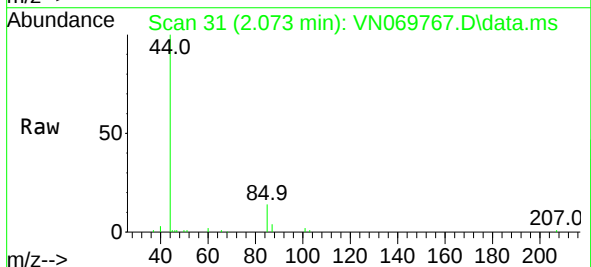
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ClientSampleId :
DUP05-20211129

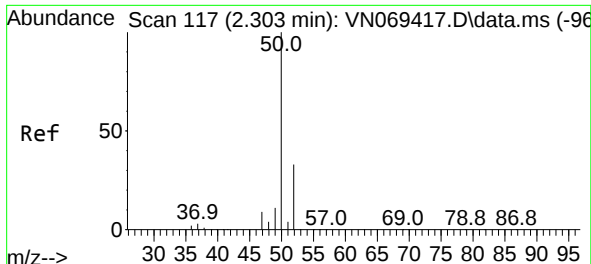
Tgt Ion:168 Resp: 1427042
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.430 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 85 Resp: 7164
Ion Ratio Lower Upper
85 100
87 30.9 16.3 48.9

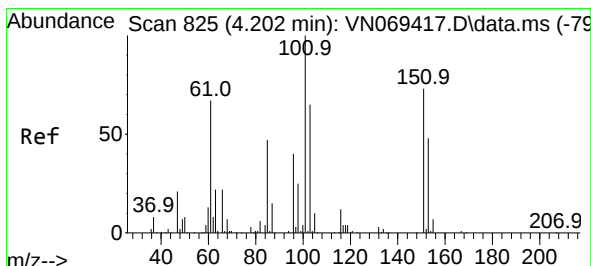
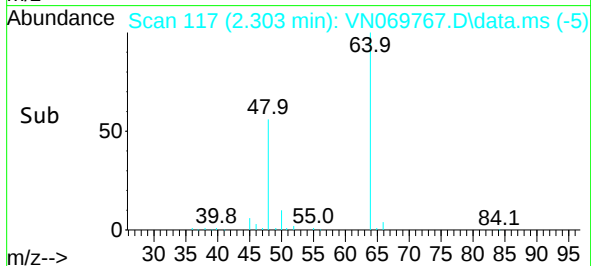
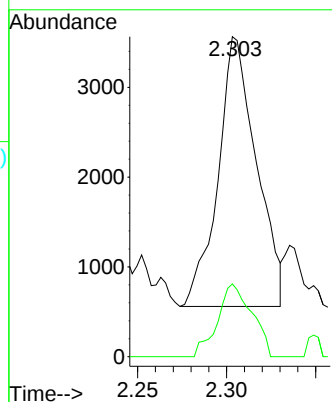
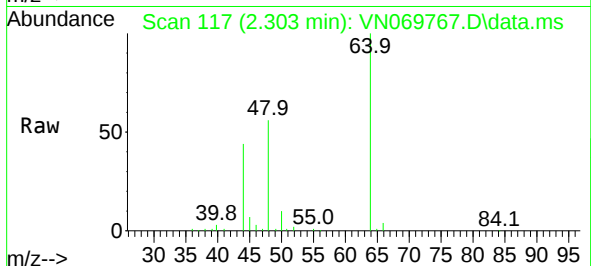




#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

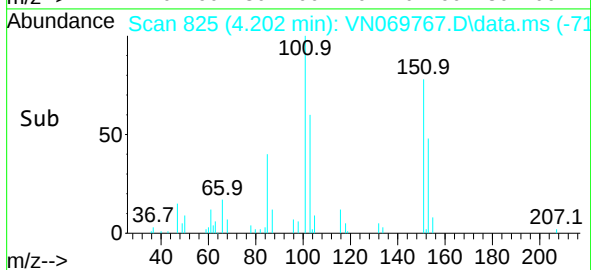
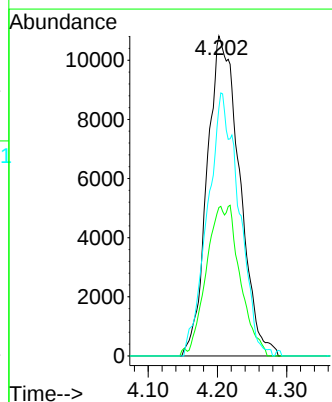
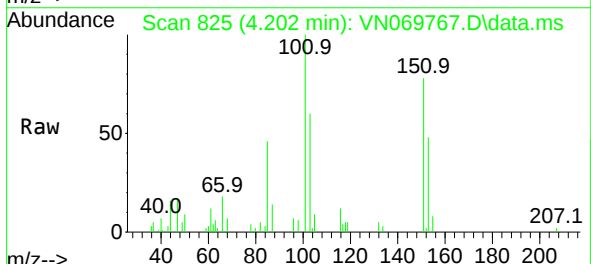
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

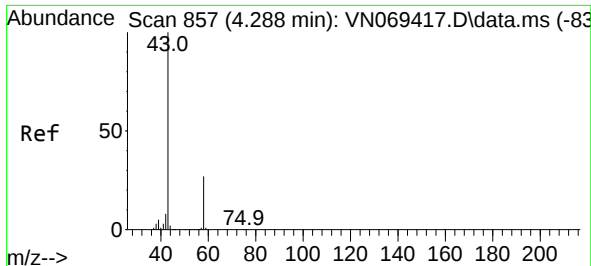
Tgt Ion: 50 Resp: 4510
Ion Ratio Lower Upper
50 100
52 27.0 25.4 38.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.492 ug/l
RT: 4.202 min Scan# 825
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 101 Resp: 35156
Ion Ratio Lower Upper
101 100
85 25.2 37.2 55.8#
151 80.1 65.9 98.9

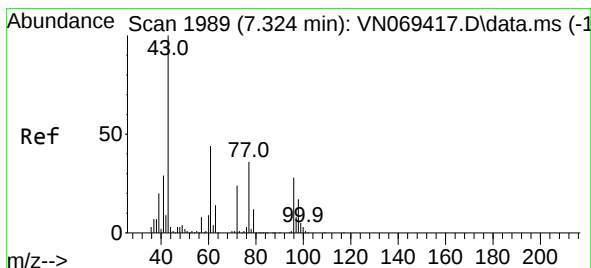
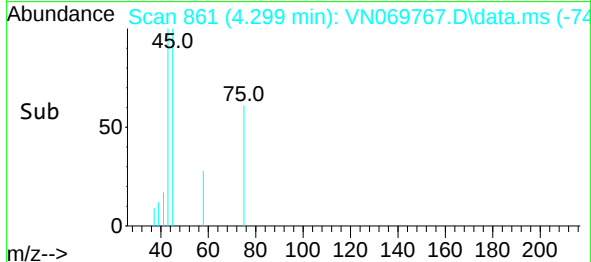
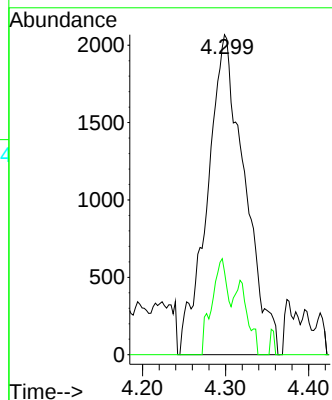
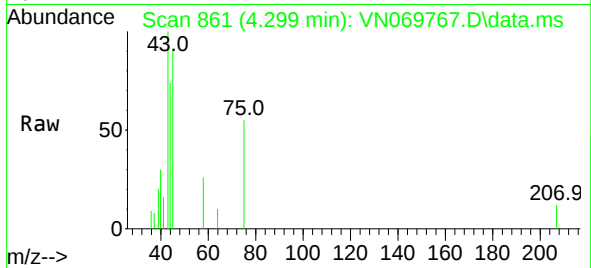




#16
Acetone
Concen: 0.486 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

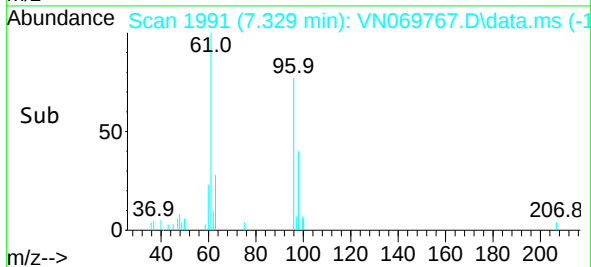
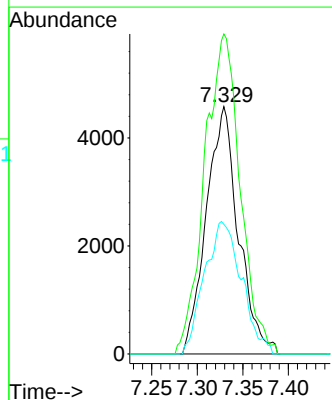
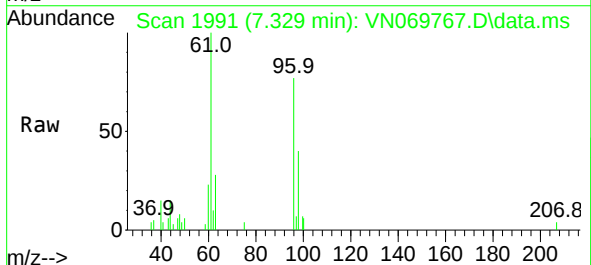
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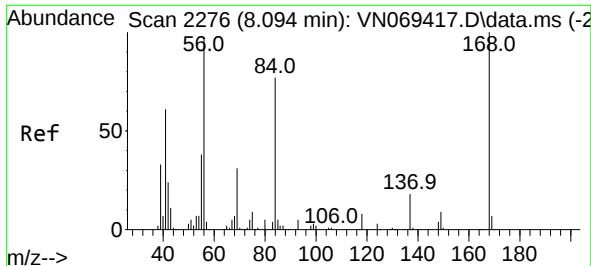
Tgt Ion: 43 Resp: 6445
Ion Ratio Lower Upper
43 100
58 25.9 23.1 34.7



#27
cis-1,2-Dichloroethene
Concen: 0.630 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.003 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

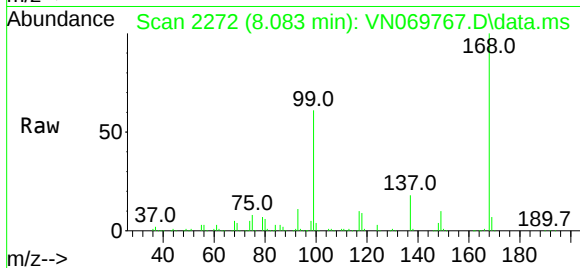
Tgt Ion: 96 Resp: 11232
Ion Ratio Lower Upper
96 100
61 142.9 0.0 275.0
98 61.7 0.0 129.6



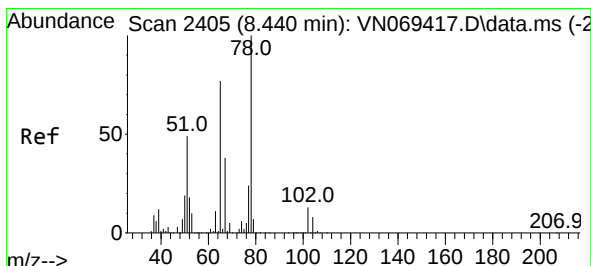
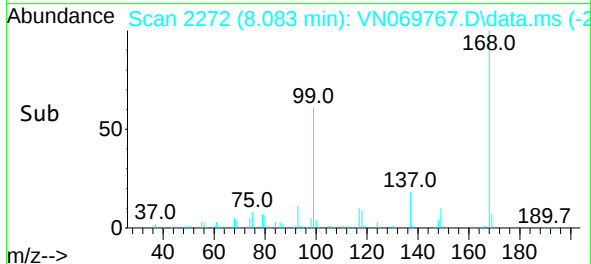
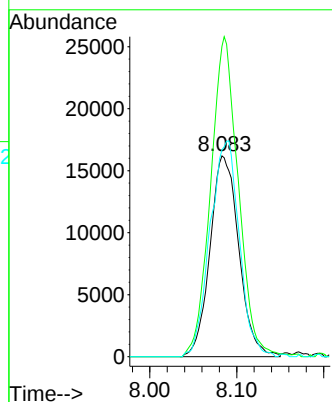


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.011 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Instrument :
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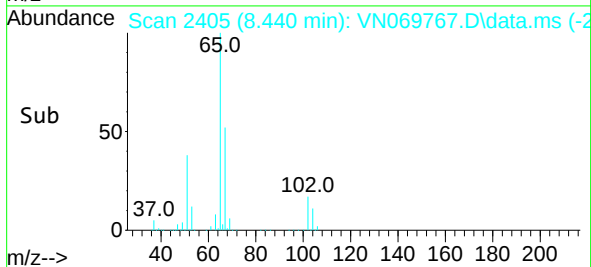
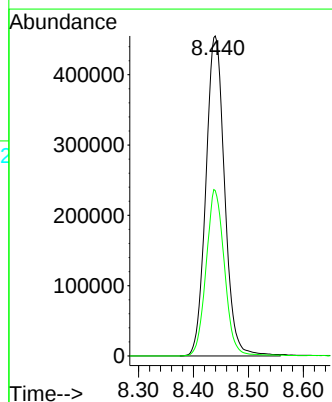
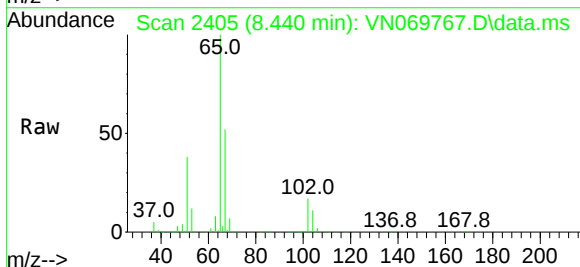


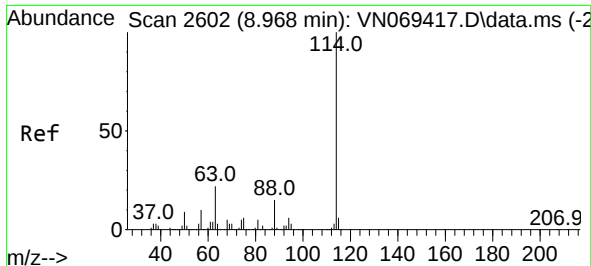
Tgt Ion: 56 Resp: 37281
Ion Ratio Lower Upper
56 100
69 154.5 27.1 40.7#
84 103.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.038 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 65 Resp: 1080471
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

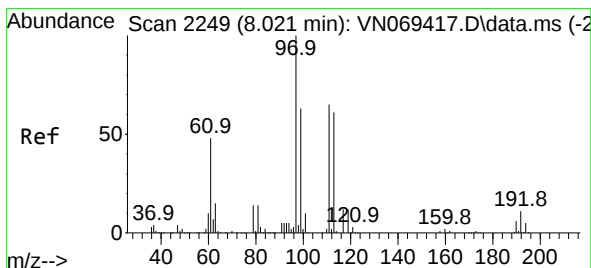
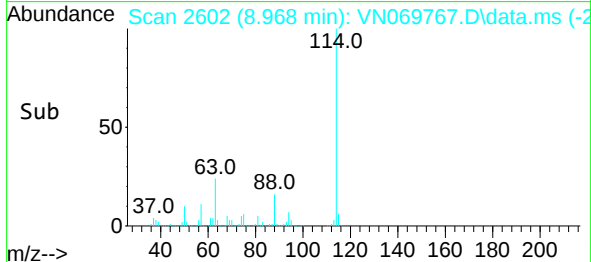
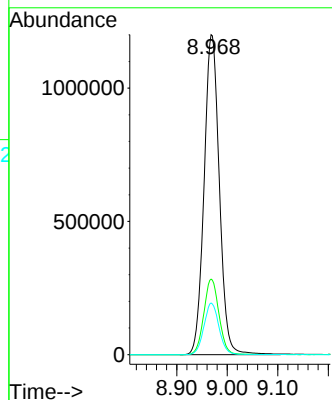
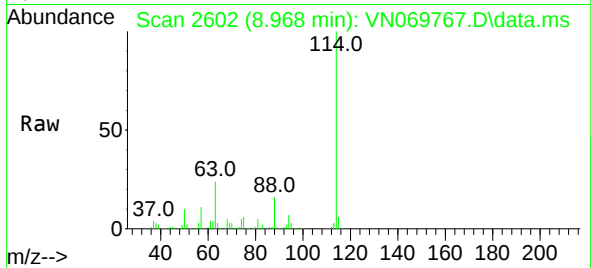




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

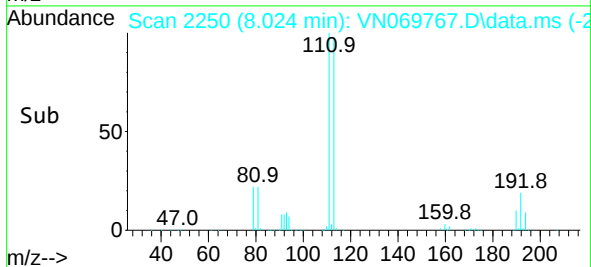
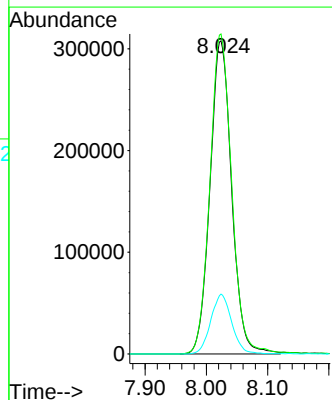
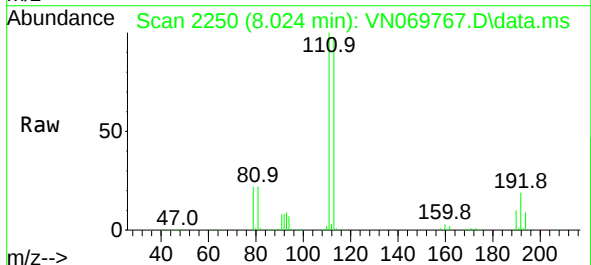
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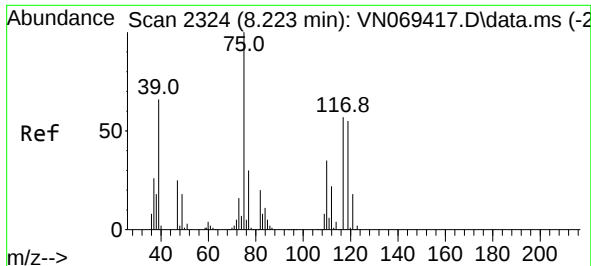
Tgt Ion:114 Resp: 2523726
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.753 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion:113 Resp: 754889
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.5 16.9 25.3

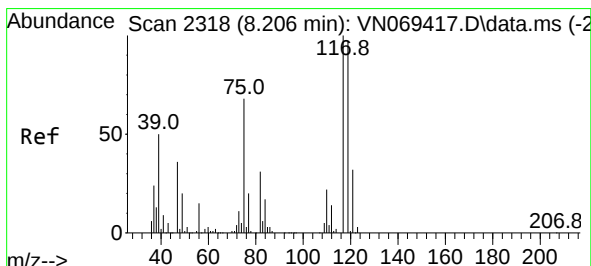
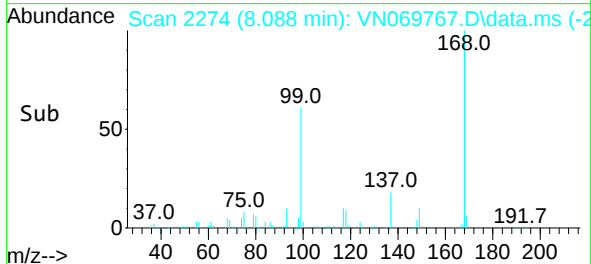
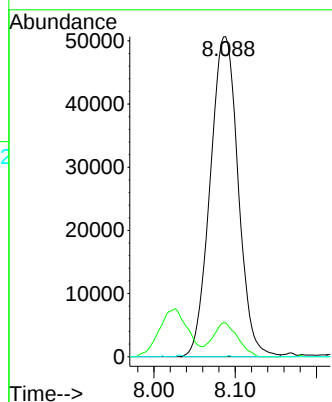
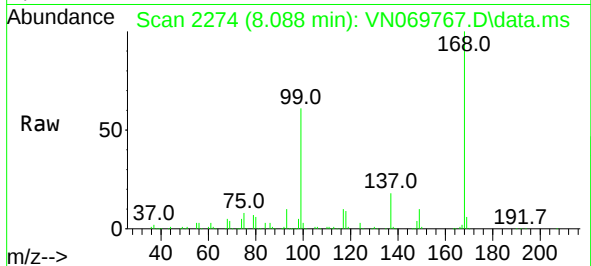




#36
1,1-Dichloropropene
Concen: 5.041 ug/l
RT: 8.088 min Scan# 2119
Delta R.T. -0.134 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

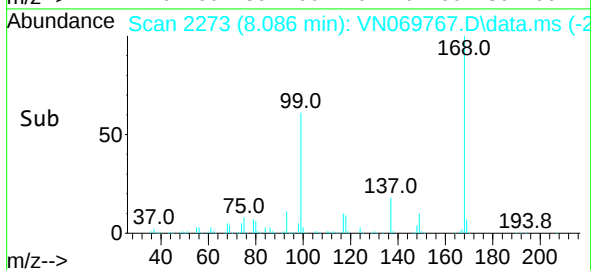
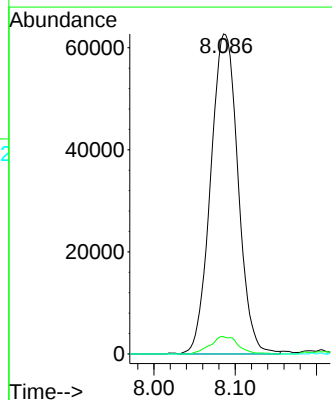
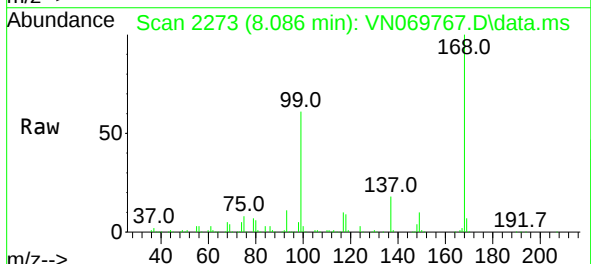
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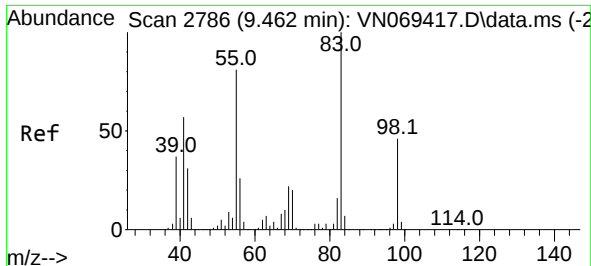
Tgt Ion: 75 Resp: 121119
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 117 Resp: 146916
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#

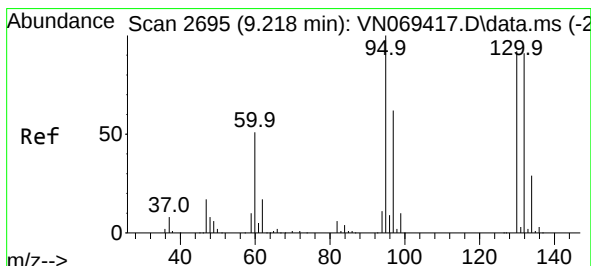
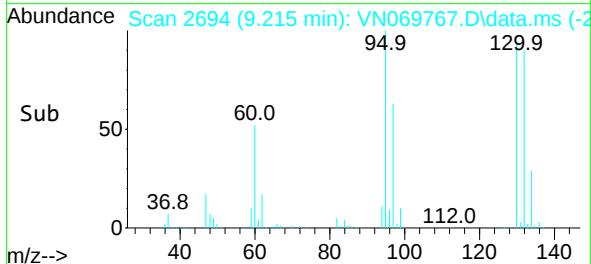
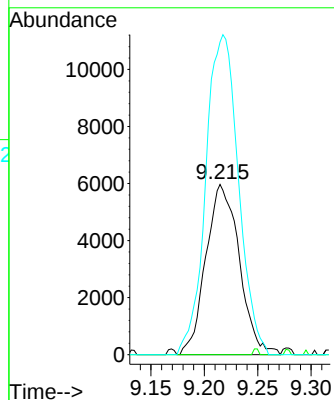
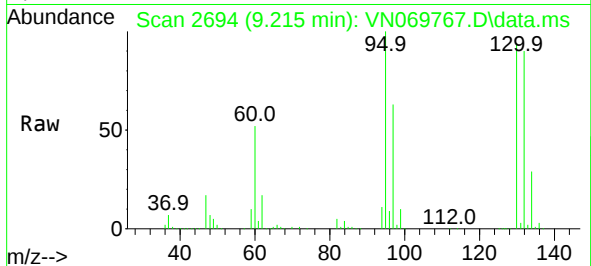




#39
Methylcyclohexane
Concen: 0.454 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

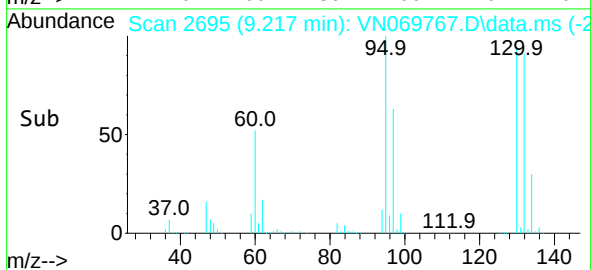
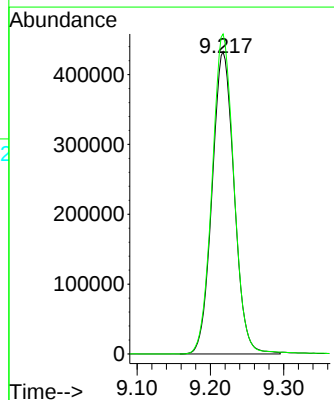
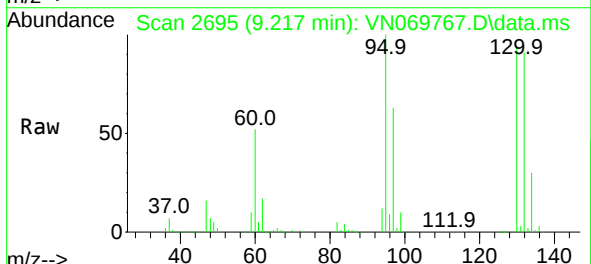
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

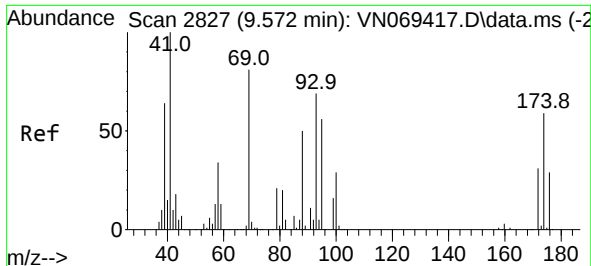
Tgt Ion: 83 Resp: 12986
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 183.6 38.4 57.6#



#44
Trichloroethene
Concen: 51.587 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion:130 Resp: 904199
Ion Ratio Lower Upper
130 100
95 105.9 0.0 191.2

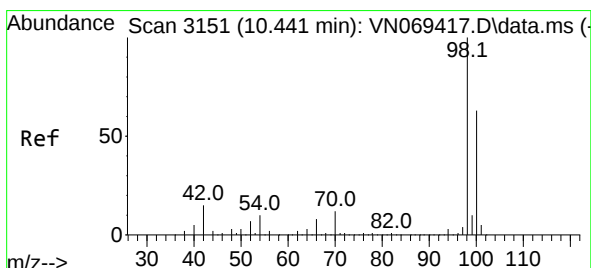
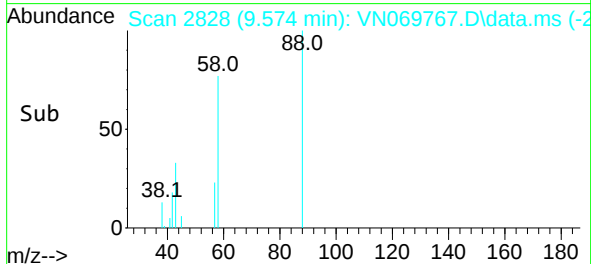
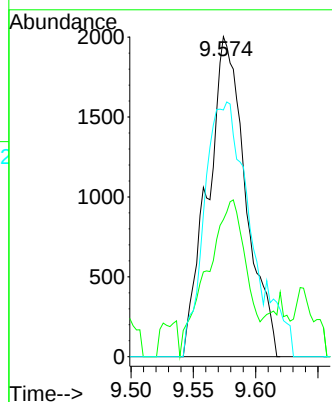
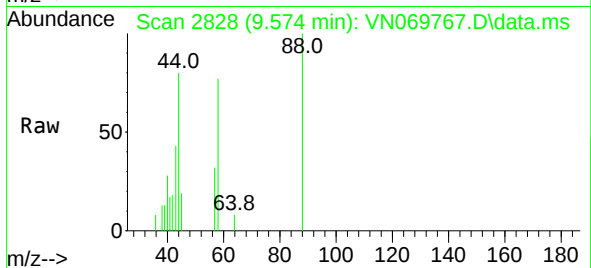




#49
1,4-Dioxane
Concen: 9.589 ug/l
RT: 9.574 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

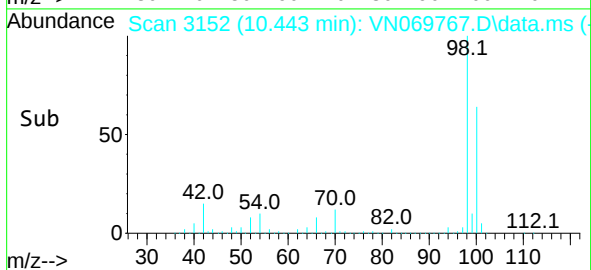
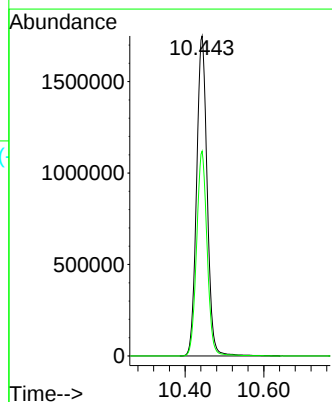
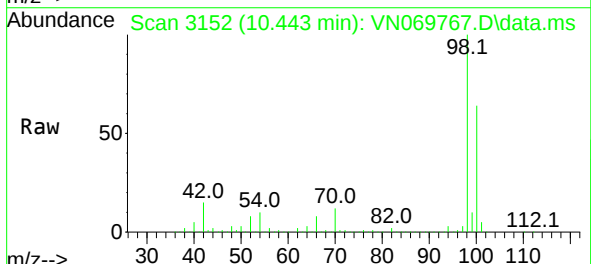
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

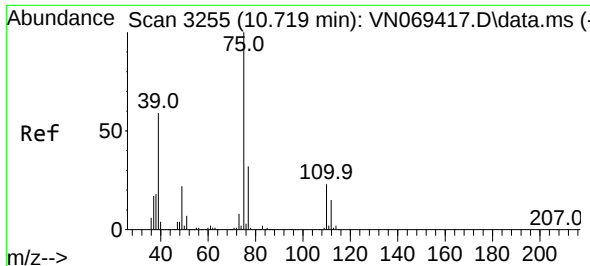
Tgt Ion: 88 Resp: 4249
Ion Ratio Lower Upper
88 100
43 50.6 23.4 35.2#
58 88.2 50.6 75.8#



#50
Toluene-d8
Concen: 51.292 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 98 Resp: 3255726
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6

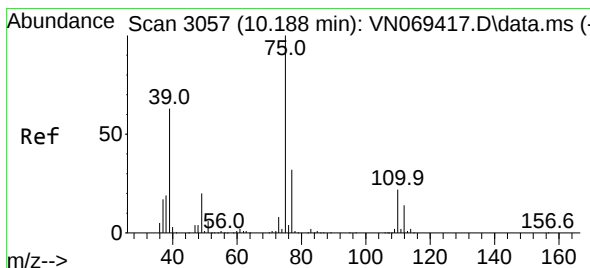
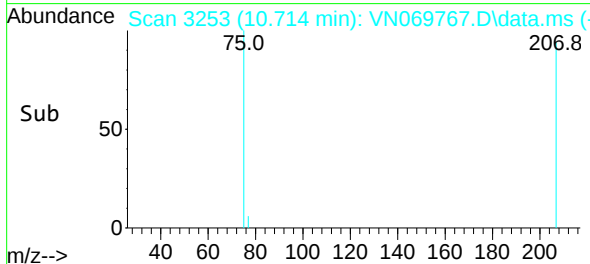
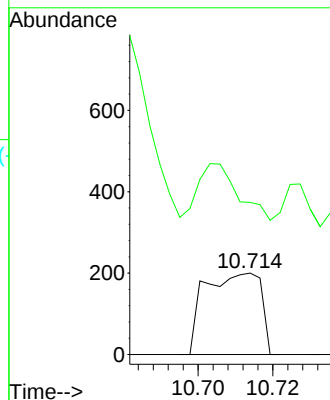
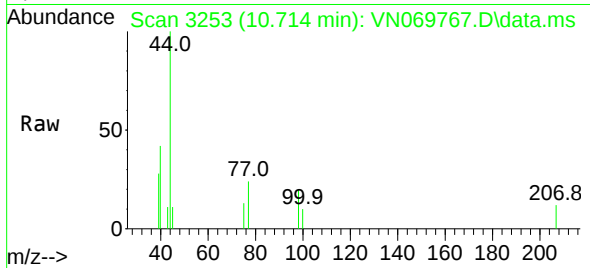




#53
 t-1,3-Dichloropropene
 Concen: 2.801 ug/l
 RT: 10.714 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: VN069767.D
 Acq: 4 Dec 2021 15:56

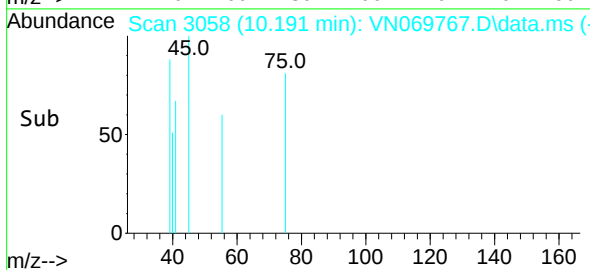
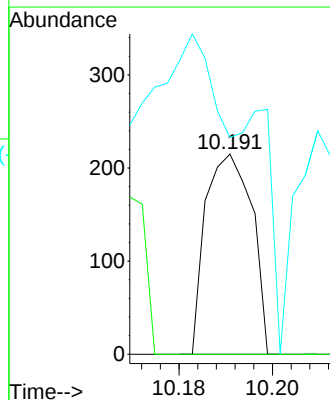
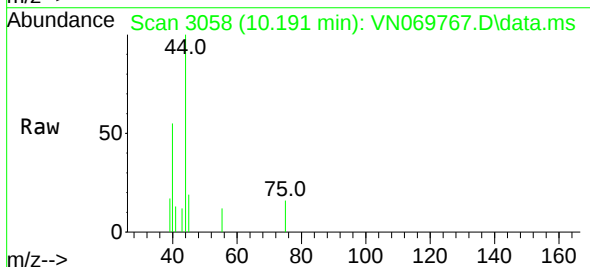
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20211129

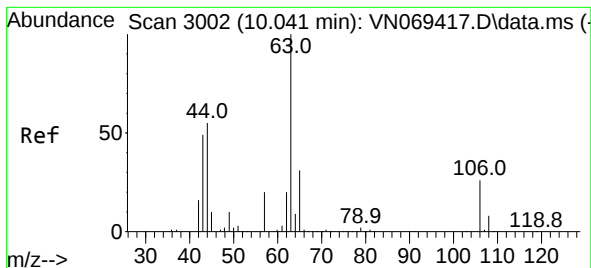
Tgt Ion: 75 Resp: 208
 Ion Ratio Lower Upper
 75 100
 77 18.5 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.003 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. -0.000 min
 Lab File: VN069767.D
 Acq: 4 Dec 2021 15:56

Tgt Ion: 75 Resp: 148
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 108.4 42.5 63.7#

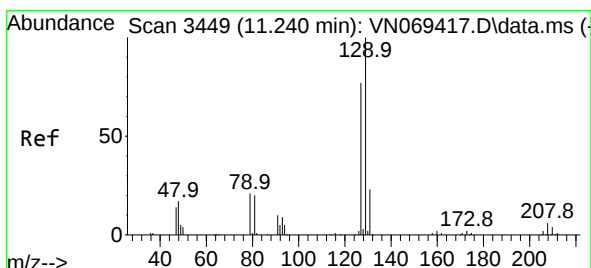
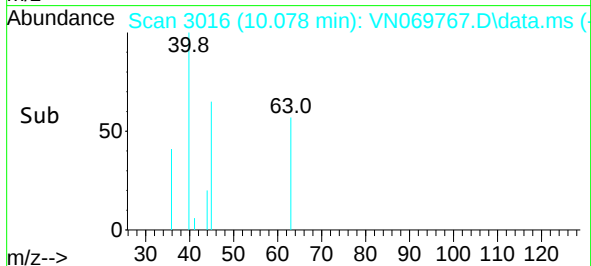
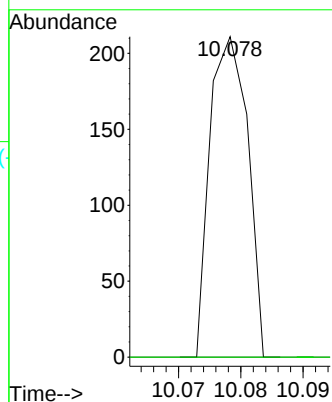
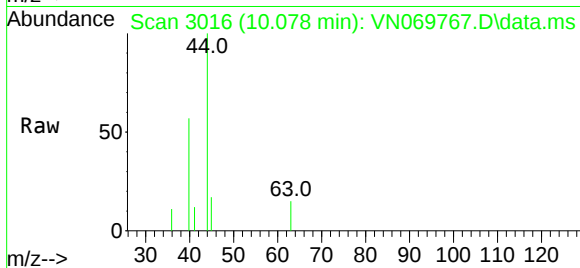




#58
2-Chloroethyl Vinyl ether
Concen: 18.398 ug/l
RT: 10.078 min Scan# 3002
Delta R.T. 0.035 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

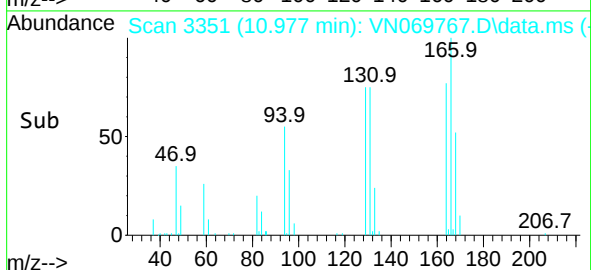
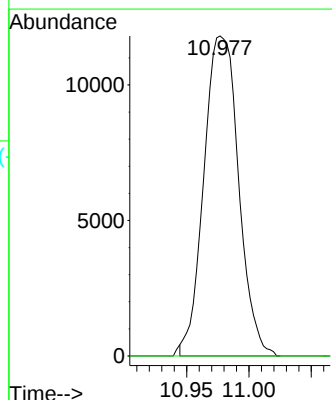
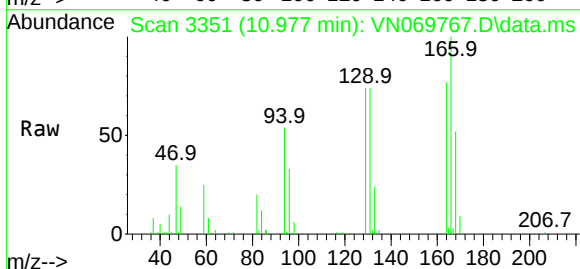
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

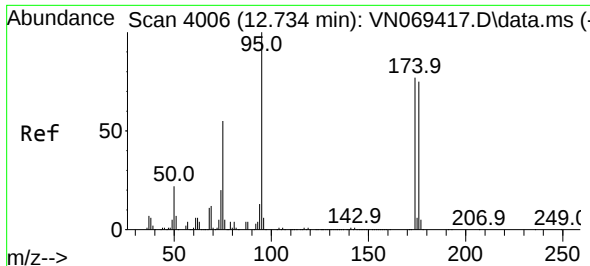
Tgt Ion: 63 Resp: 89
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 3.503 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion:129 Resp: 22933
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

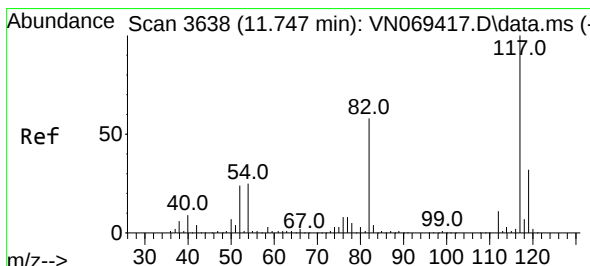
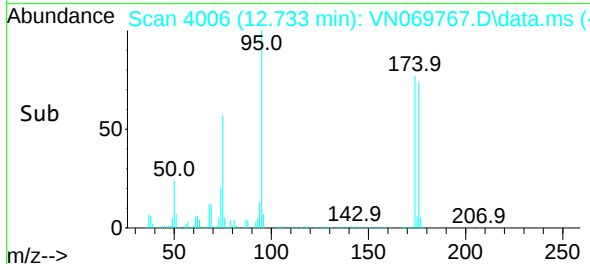
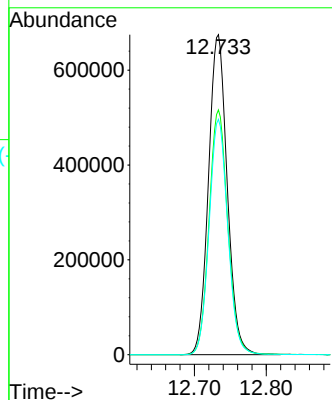
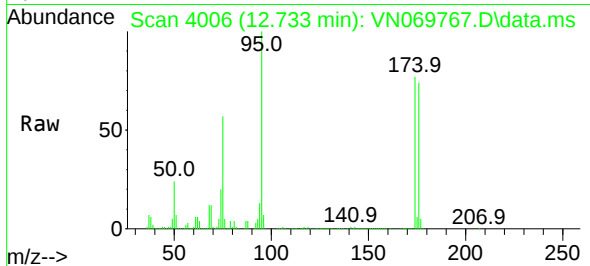




#62
4-Bromofluorobenzene
Concen: 53.243 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

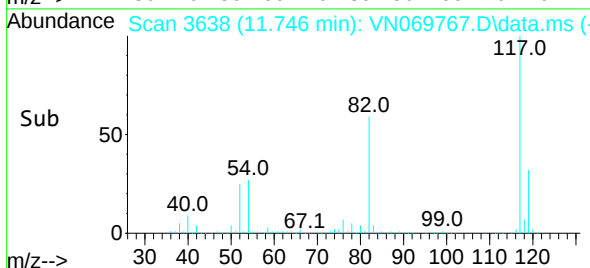
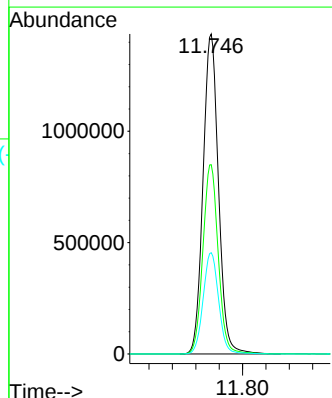
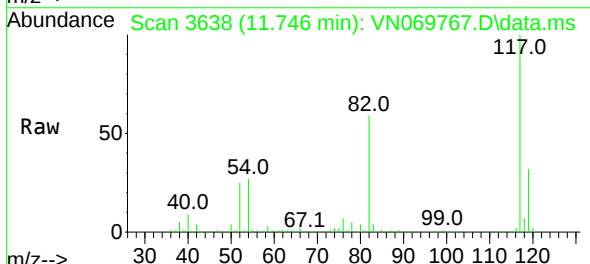
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

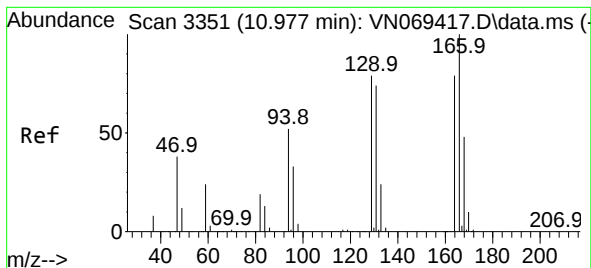
Tgt Ion: 95 Resp: 1224341
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 117 Resp: 2634755
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.7 25.4 38.2





#64

Tetrachloroethene

Concen: 1.311 ug/l

RT: 10.977 min Scan# 31

Delta R.T. -0.002 min

Lab File: VN069767.D

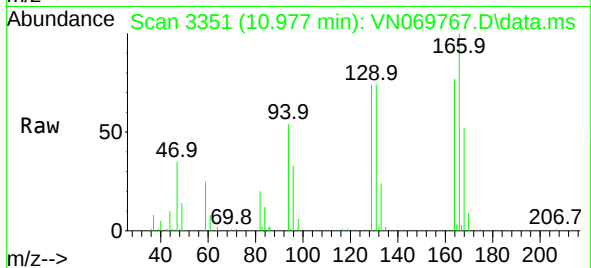
Acq: 4 Dec 2021 15:56

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20211129



Tgt Ion:164 Resp: 23413

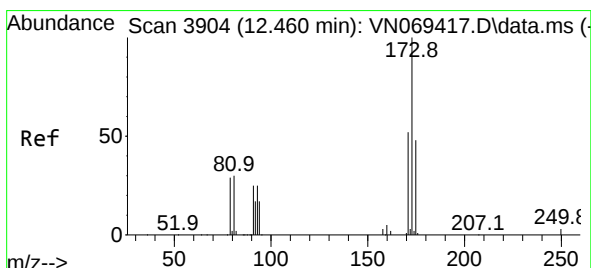
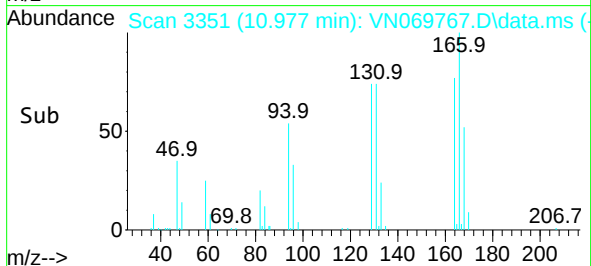
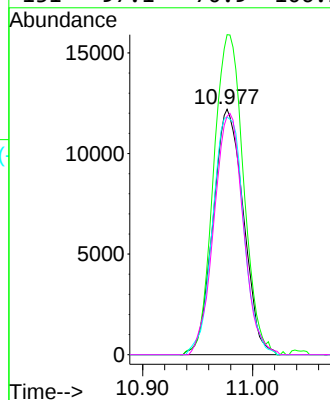
Ion Ratio Lower Upper

164 100

166 130.4 101.9 152.9

129 96.8 72.0 108.0

131 97.1 70.9 106.3



#71

Bromoform

Concen: 2.732 ug/l

RT: 12.468 min Scan# 3907

Delta R.T. 0.008 min

Lab File: VN069767.D

Acq: 4 Dec 2021 15:56

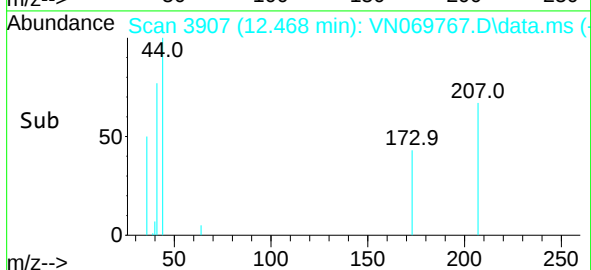
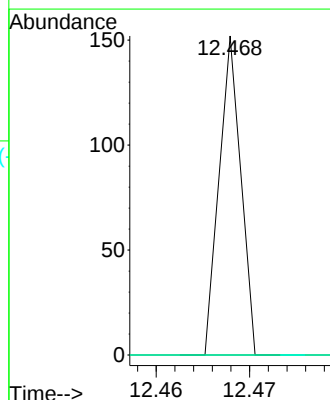
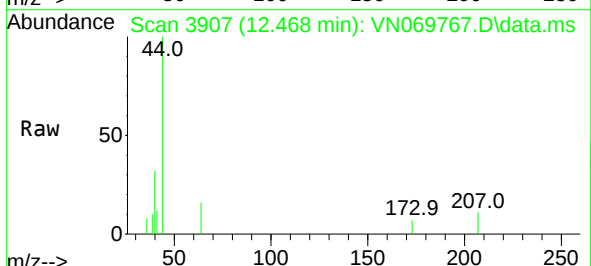
Tgt Ion:173 Resp: 24

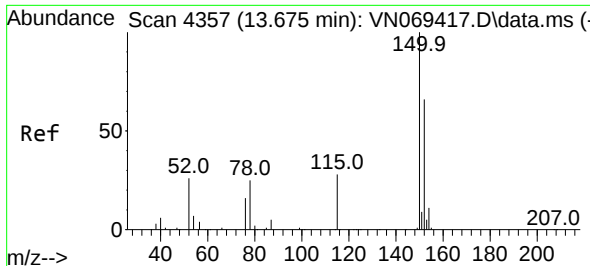
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0

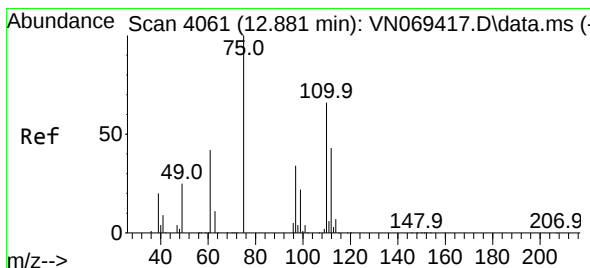
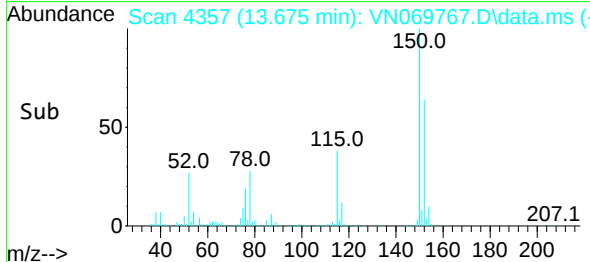
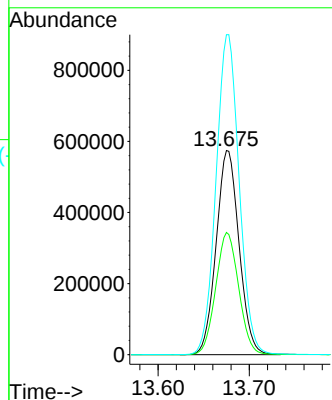
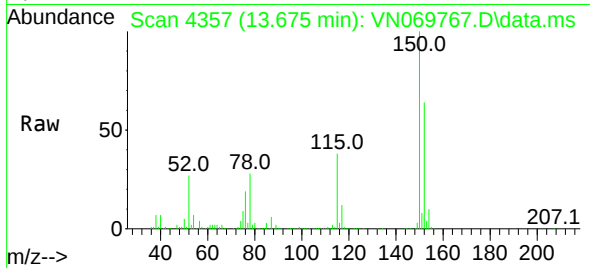




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069767.D
 Acq: 4 Dec 2021 15:56

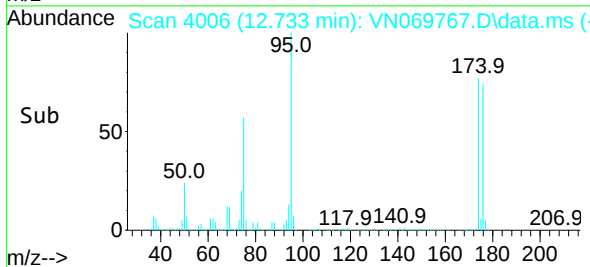
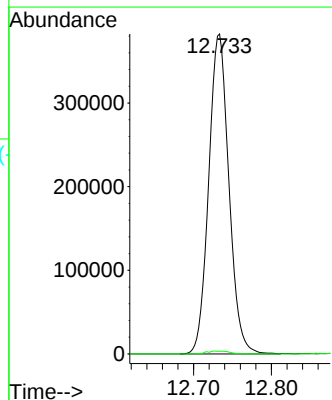
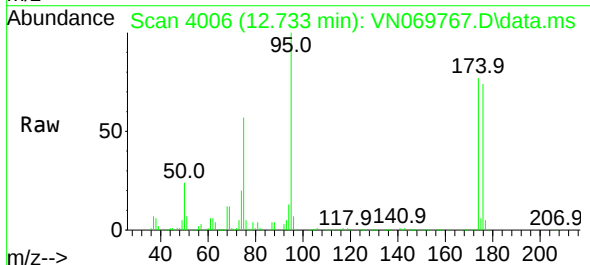
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20211129

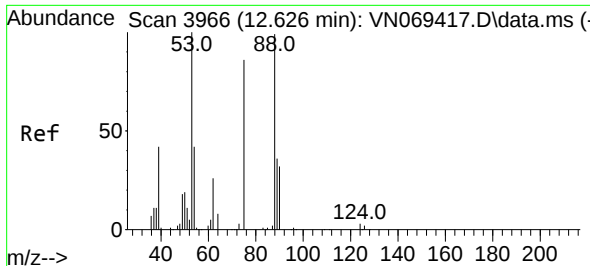
Tgt Ion:152 Resp: 1002251
 Ion Ratio Lower Upper
 152 100
 115 60.0 27.5 82.5
 150 158.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.949 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069767.D
 Acq: 4 Dec 2021 15:56

Tgt Ion: 75 Resp: 688351
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

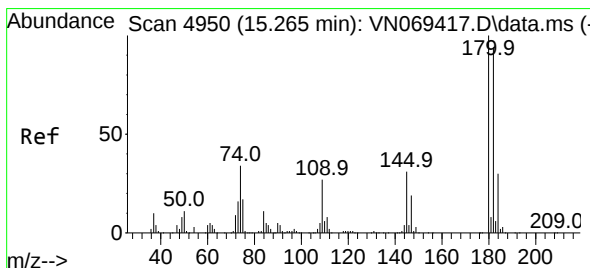
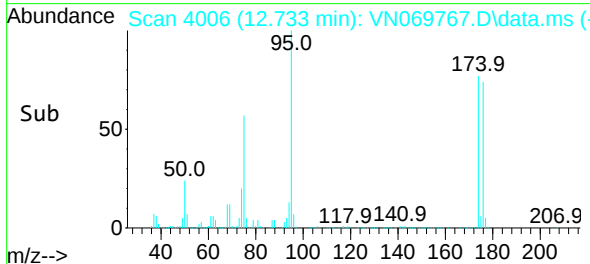
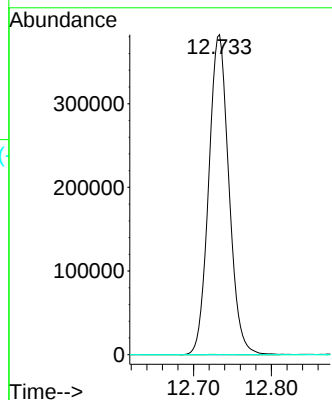
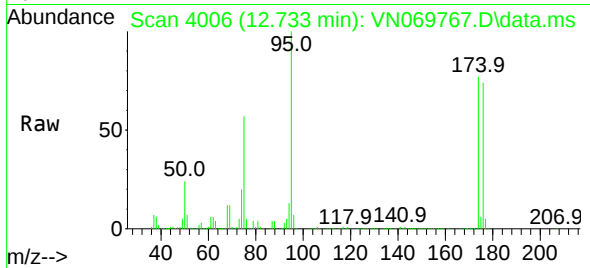




#81
trans-1,4-Dichloro-2-butene
Concen: 76.077 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

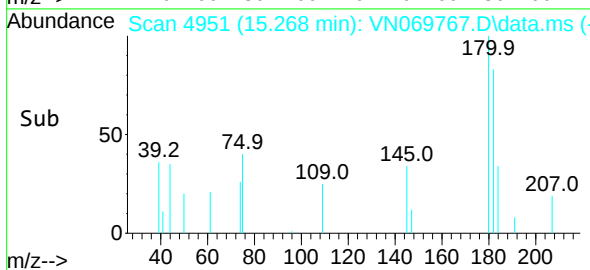
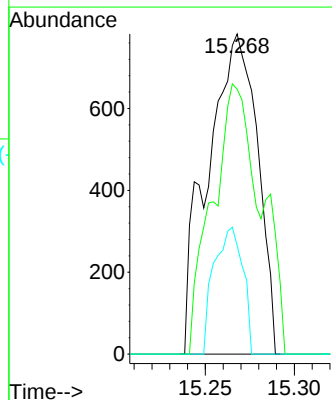
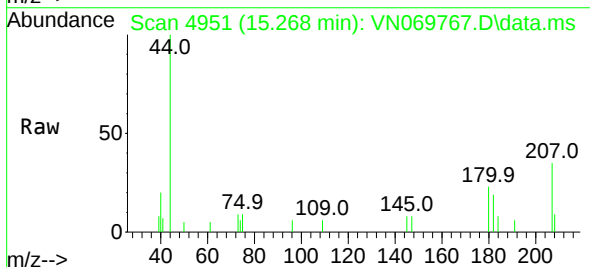
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

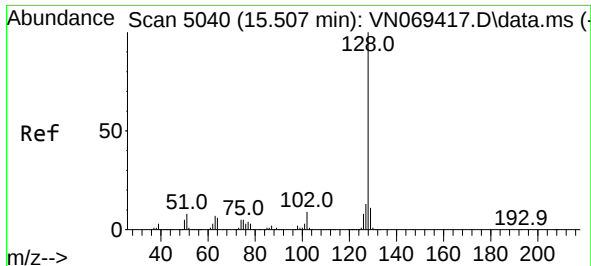
Tgt Ion: 75 Resp: 688351
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.965 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion: 180 Resp: 1520
Ion Ratio Lower Upper
180 100
182 69.3 48.3 144.9
145 22.8 14.5 43.5

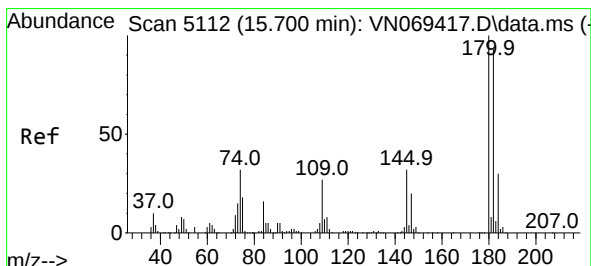
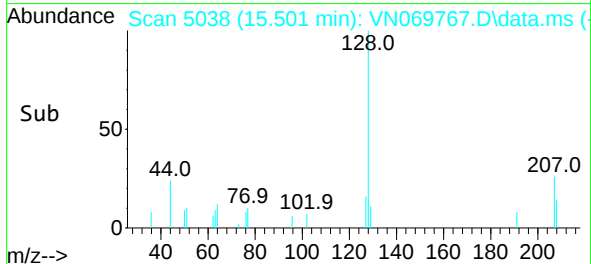
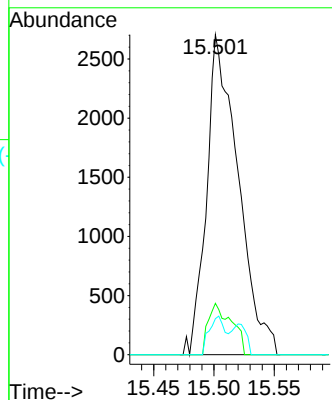
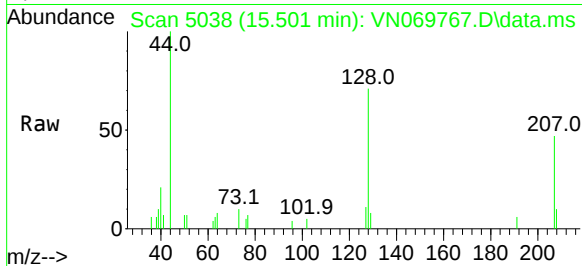




#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

Tgt Ion:128 Resp: 4920
Ion Ratio Lower Upper
128 100
127 11.8 10.5 15.7
129 6.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.487 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069767.D
Acq: 4 Dec 2021 15:56

Tgt Ion:180 Resp: 866
Ion Ratio Lower Upper
180 100
182 139.6 47.4 142.2
145 9.8 15.0 45.1#

