

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069771.D
 Acq On : 4 Dec 2021 17:39
 Operator : JC/MD
 Sample : M4922-11DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20211130DL

Quant Time: Dec 06 00:17:55 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)

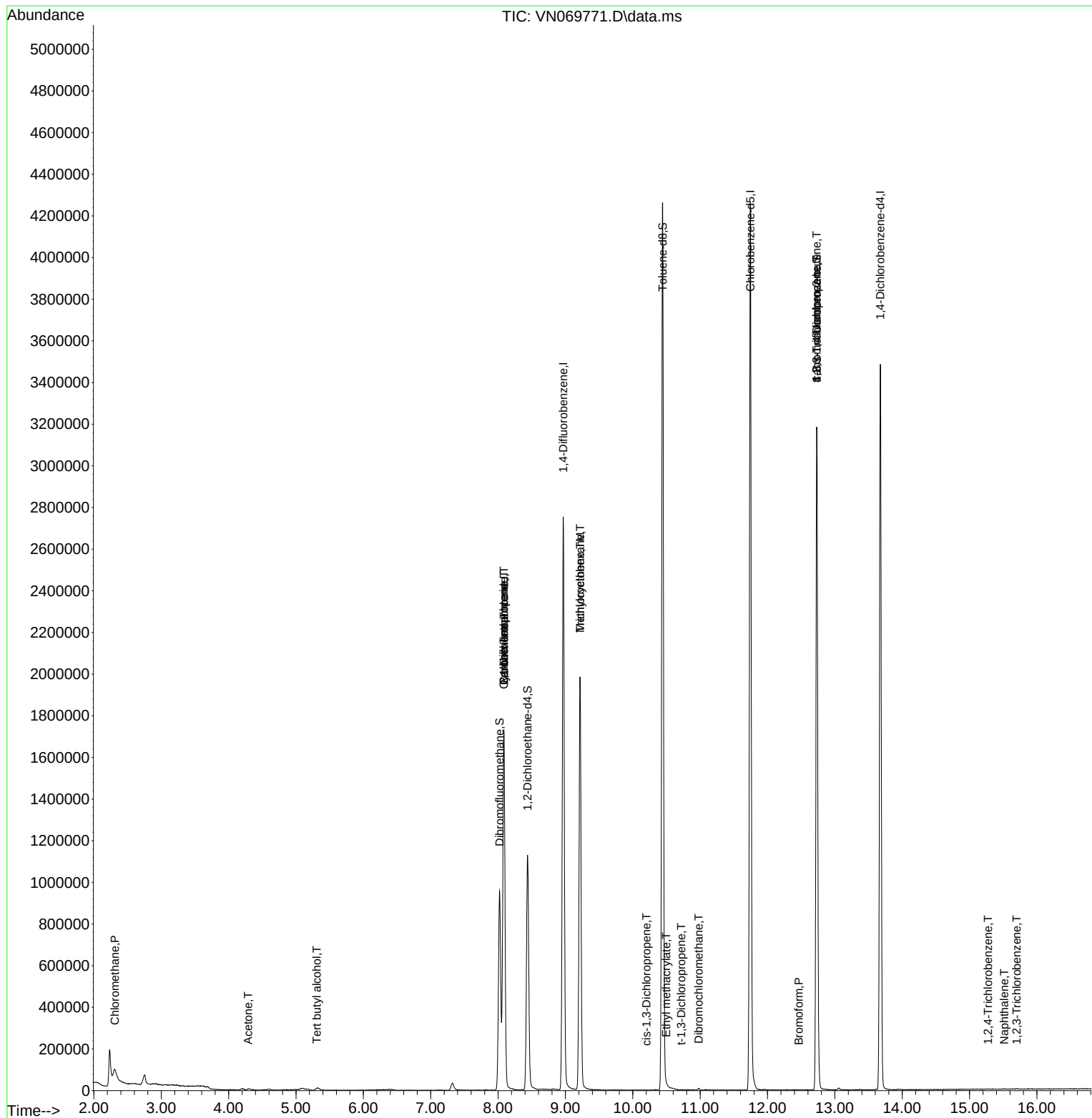
Internal Standards						
1) Pentafluorobenzene	8.086	168	1285682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2279284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2362297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	927269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	985249	49.632	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.260%
35) Dibromofluoromethane	8.021	113	688502	48.225	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.440%
50) Toluene-d8	10.443	98	2930550	51.120	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.731	95	1118984	53.880	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	4499	0.239	ug/l	98
11) Tert butyl alcohol	5.307	59	4466	1.190	ug/l #	71
16) Acetone	4.291	43	9662	0.809	ug/l	90
31) Cyclohexane	8.088	56	33438	1.210	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	110815	5.107	ug/l #	49
38) Carbon Tetrachloride	8.086	117	133880	6.292	ug/l #	16
39) Methylcyclohexane	9.217	83	9174	0.355	ug/l #	1
44) Trichloroethene	9.217	130	689083	43.531	ug/l	91
53) t-1,3-Dichloropropene	10.719	75	166	2.800	ug/l #	63
54) cis-1,3-Dichloropropene	10.202	75	53	2.000	ug/l #	51
56) Ethyl methacrylate	10.497	69	92	2.282	ug/l #	1
60) Dibromochloromethane	10.977	129	1544	2.460	ug/l #	11
71) Bromoform	12.465	173	78	2.736	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	632493	23.785	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	632493	75.584	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.273	180	407	2.903	ug/l #	16
95) Naphthalene	15.515	128	1617	4.018	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.700	180	701	2.481	ug/l #	84

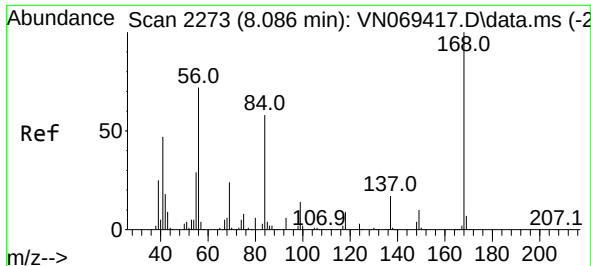
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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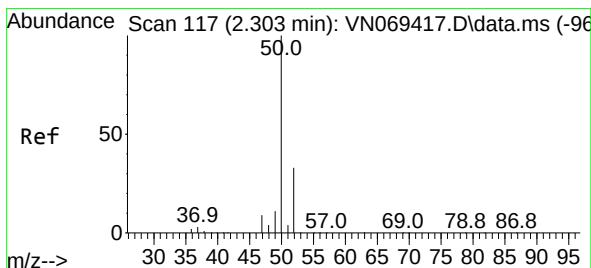
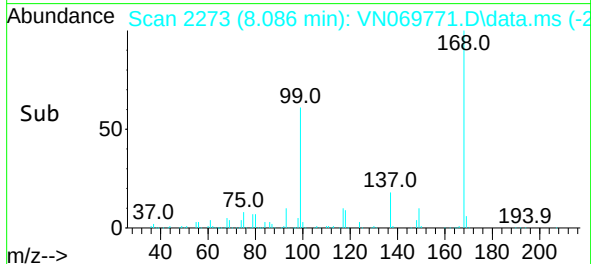
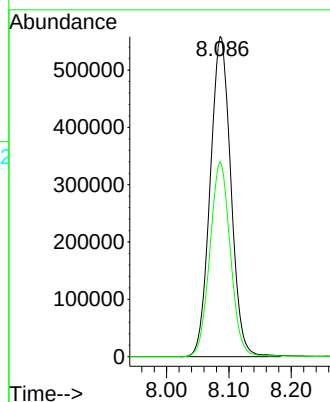
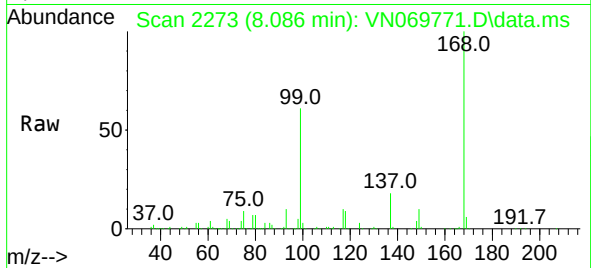




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

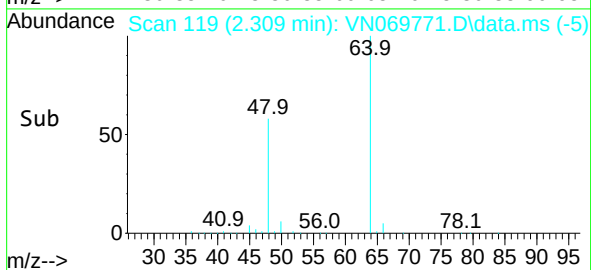
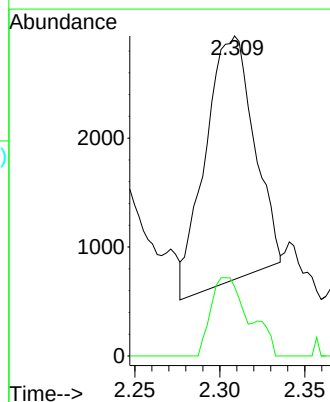
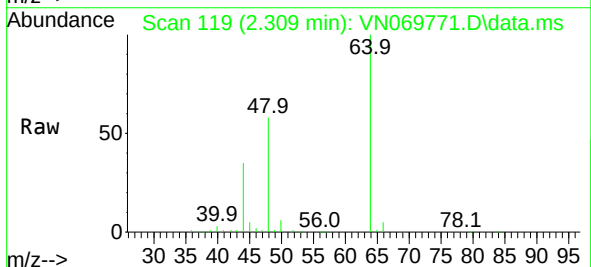
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DUP01-20211130DL

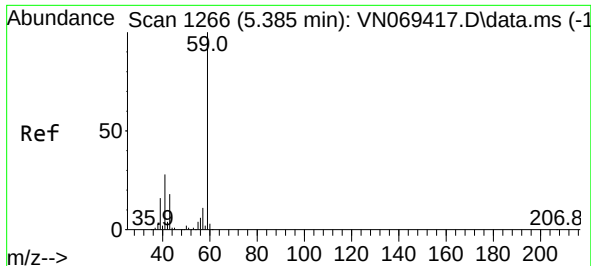
Tgt Ion:168 Resp: 1285682
Ion Ratio Lower Upper
168 100
99 60.9 41.3 61.9



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion: 50 Resp: 4499
Ion Ratio Lower Upper
50 100
52 30.6 25.4 38.0





#11

Tert butyl alcohol

Concen: 1.190 ug/l

RT: 5.307 min Scan# 11

Delta R.T. -0.083 min

Lab File: VN069771.D

Acq: 4 Dec 2021 17:39

Instrument :

MSVOA_N

ClientSampleId :

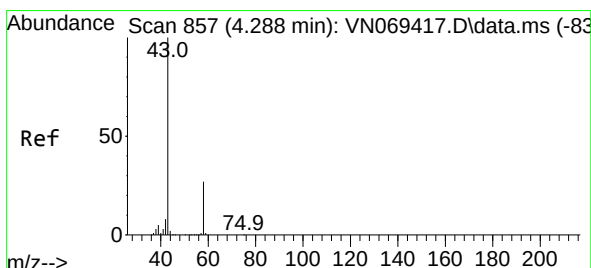
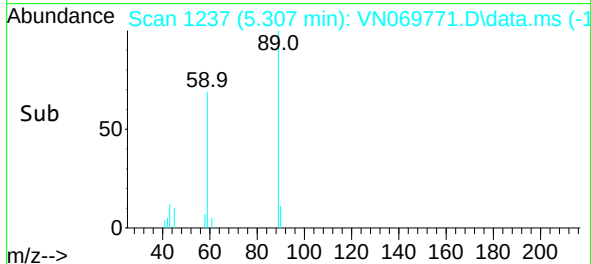
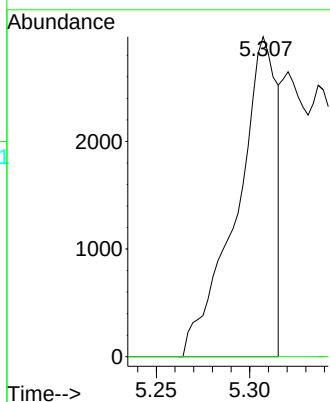
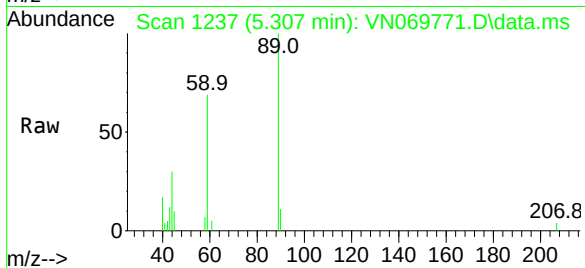
DUP01-20211130DL

Tgt Ion: 59 Resp: 4466

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 0.809 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.000 min

Lab File: VN069771.D

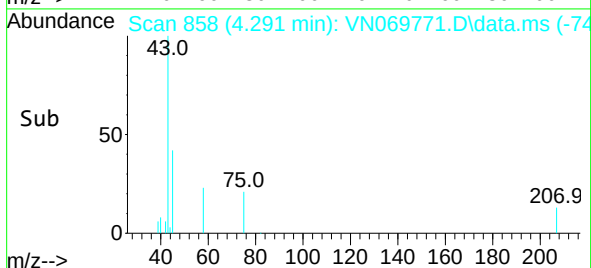
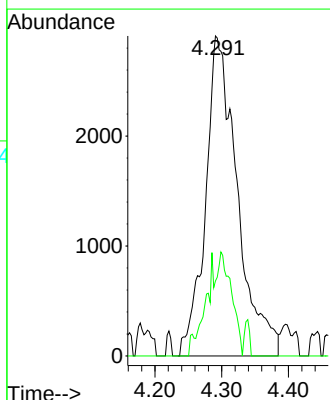
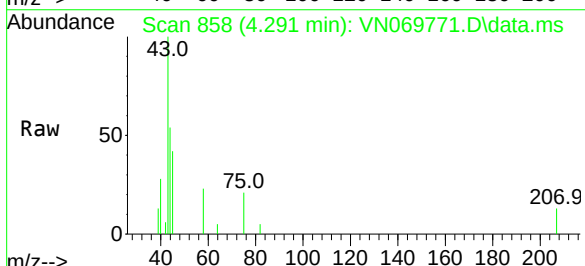
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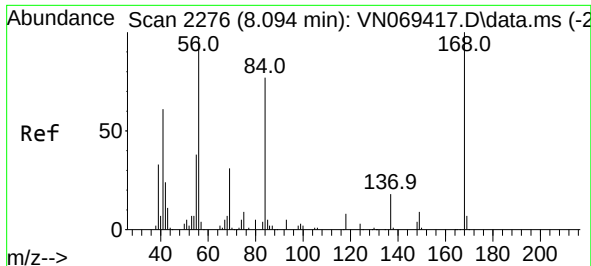
Tgt Ion: 43 Resp: 9662

Ion Ratio Lower Upper

43 100

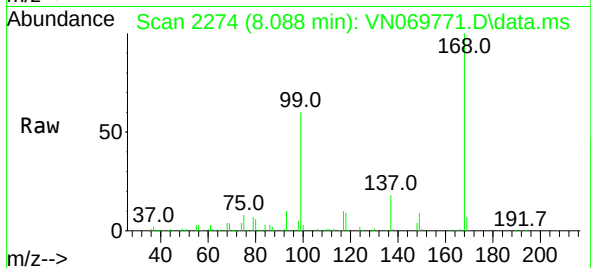
58 23.4 23.1 34.7



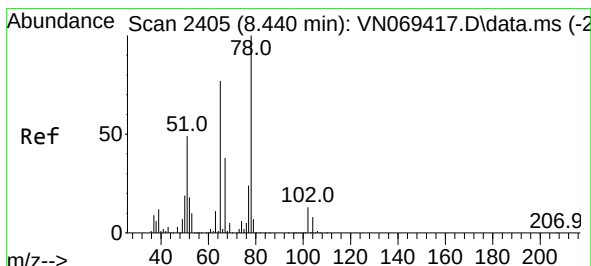
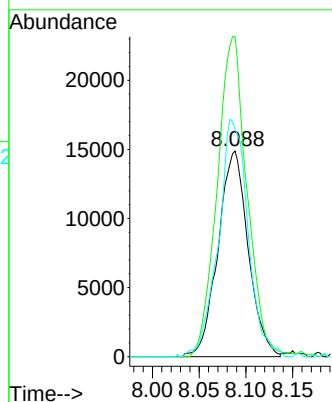
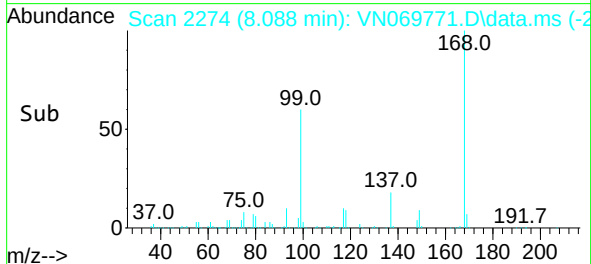


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

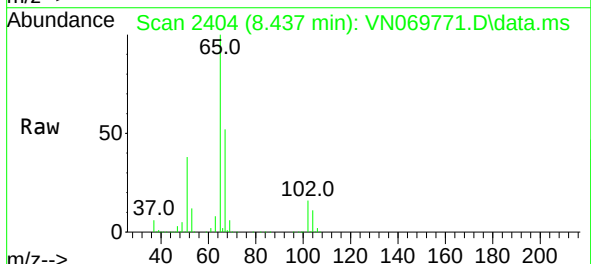
Instrument :
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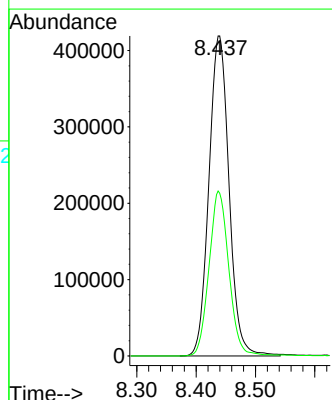
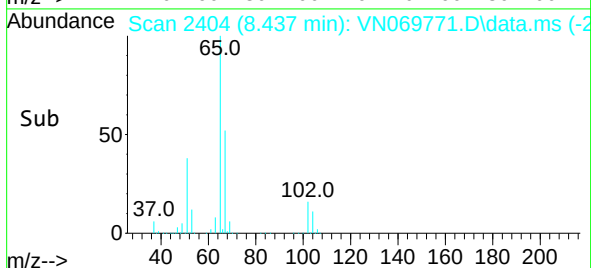
Tgt Ion: 56 Resp: 33438
Ion Ratio Lower Upper
56 100
69 155.7 27.1 40.7#
84 110.5 73.4 110.0#

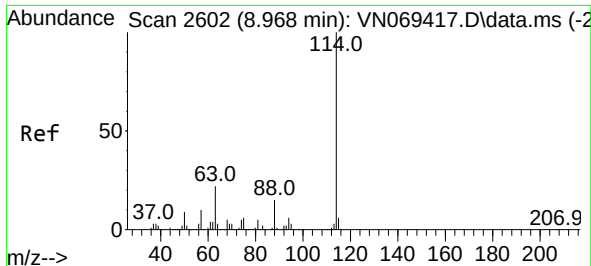


#33
1,2-Dichloroethane-d4
Concen: 49.632 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39



Tgt Ion: 65 Resp: 985249
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

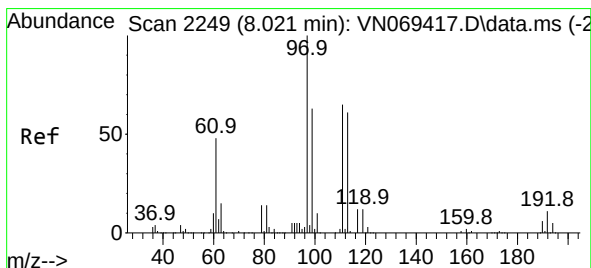
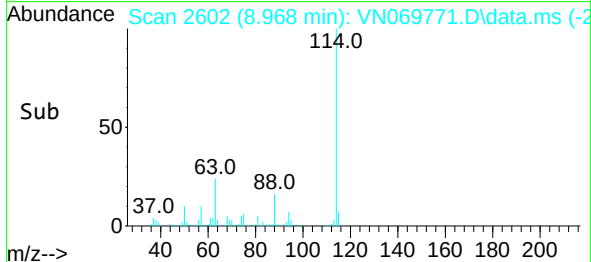
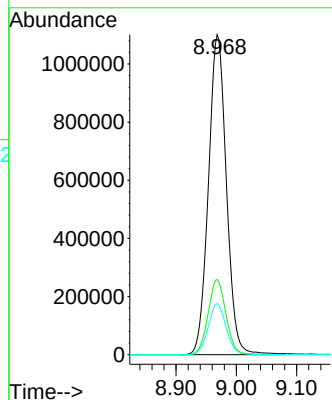
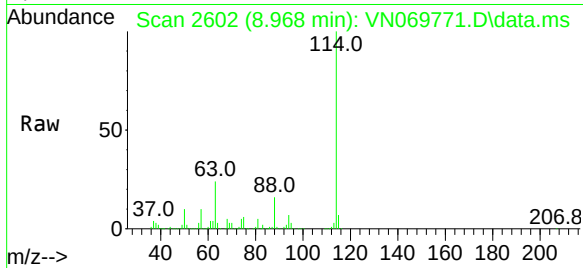




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

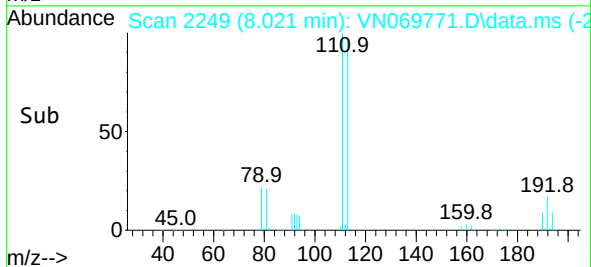
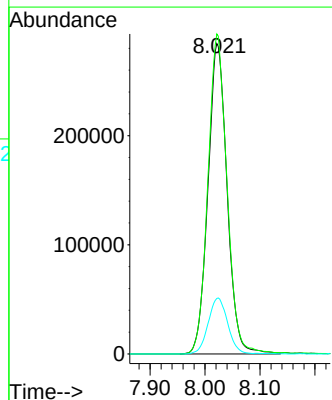
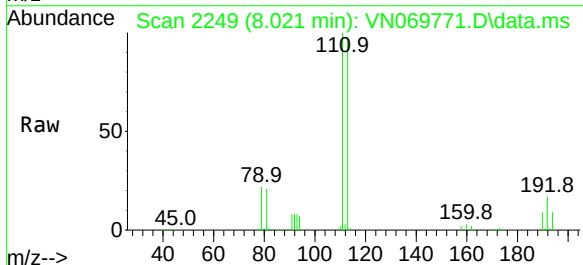
Instrument :
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ClientSampleId :
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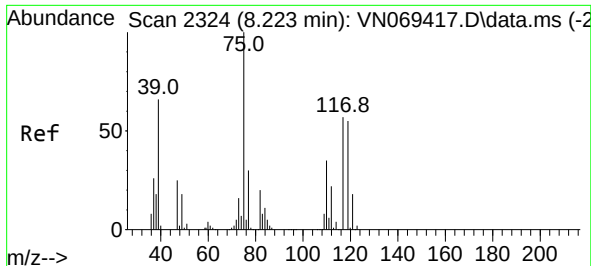
Tgt Ion:114 Resp: 2279284
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.225 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion:113 Resp: 688502
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.4 16.9 25.3

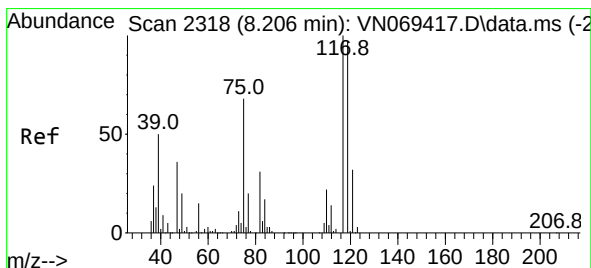
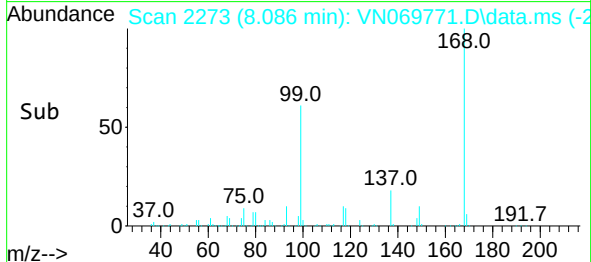
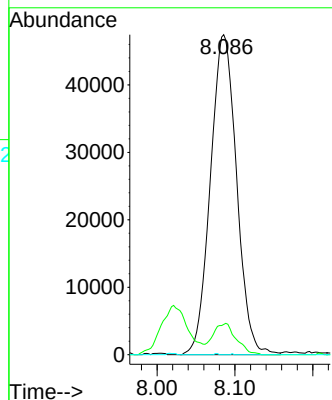
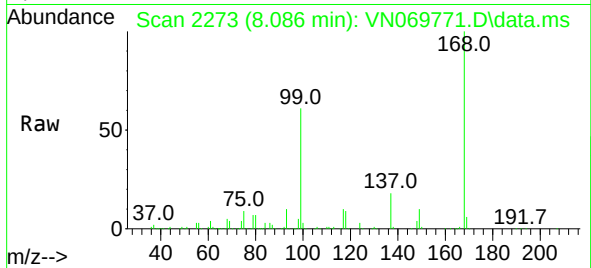




#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

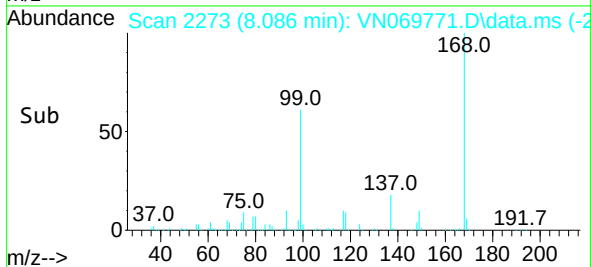
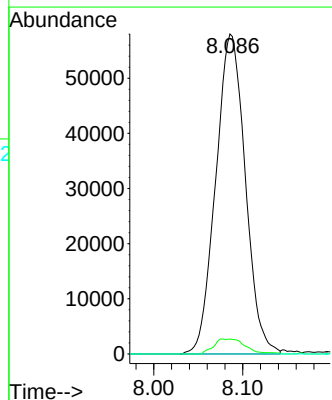
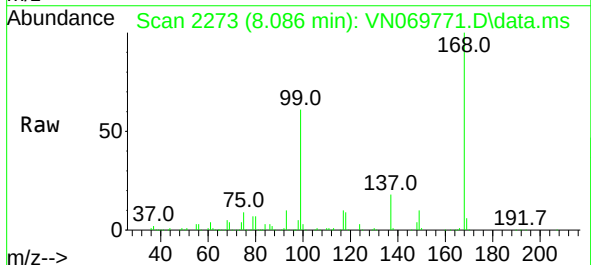
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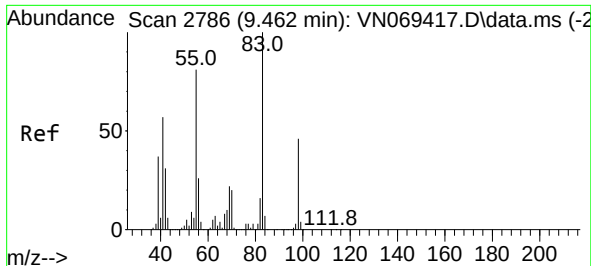
Tgt Ion: 75 Resp: 110815
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion: 117 Resp: 133880
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#

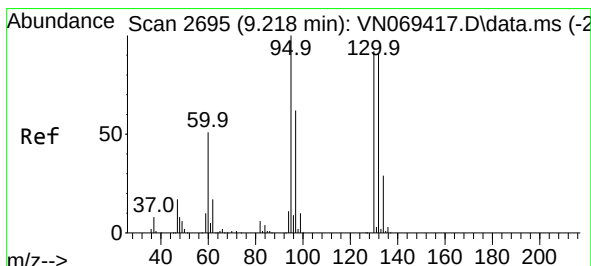
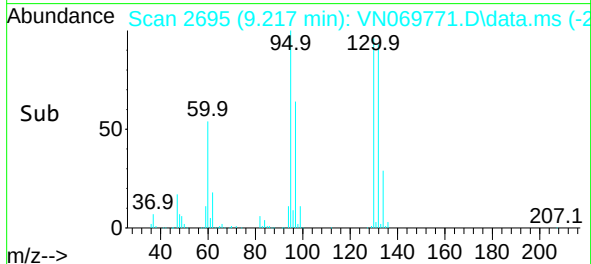
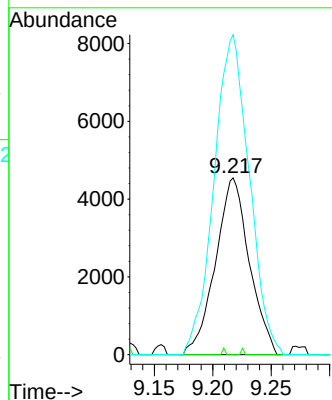
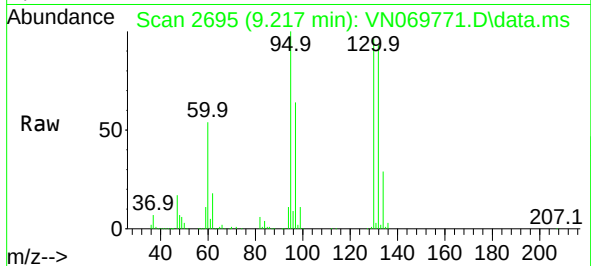




#39
Methylcyclohexane
Concen: 0.355 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

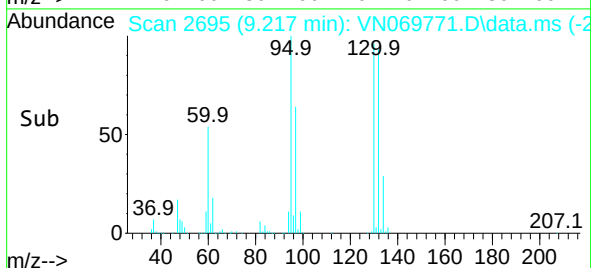
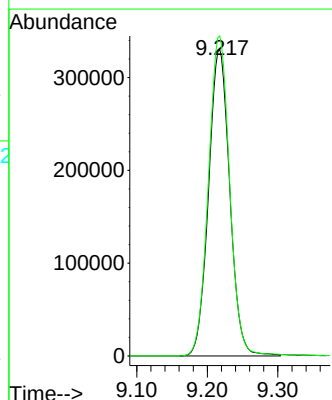
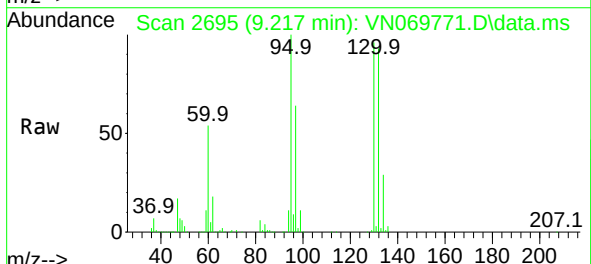
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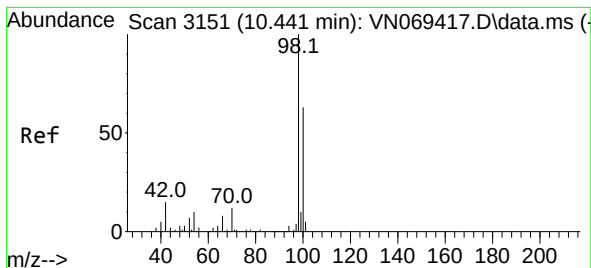
Tgt Ion: 83 Resp: 9174
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 181.0 38.4 57.6#



#44
Trichloroethene
Concen: 43.531 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion:130 Resp: 689083
Ion Ratio Lower Upper
130 100
95 104.2 0.0 191.2





#50

Toluene-d8

Concen: 51.120 ug/l

RT: 10.443 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN069771.D

Acq: 4 Dec 2021 17:39

Instrument :

MSVOA_N

ClientSampleId :

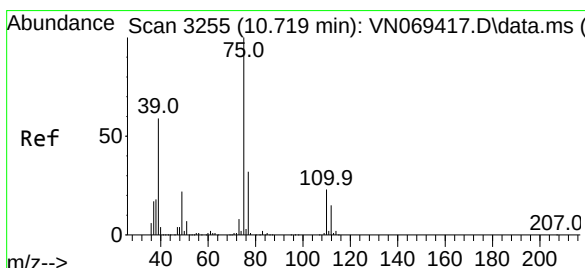
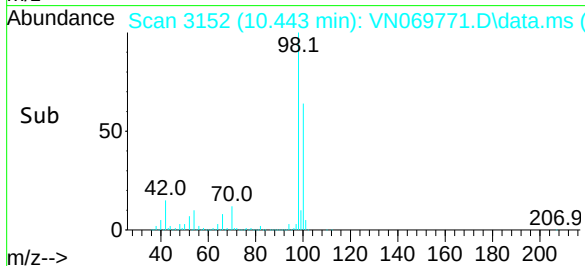
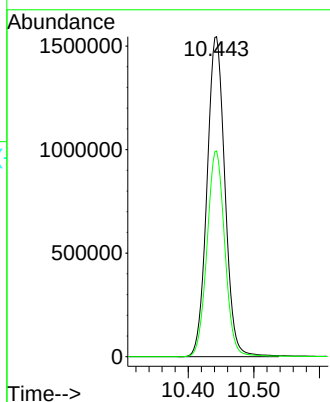
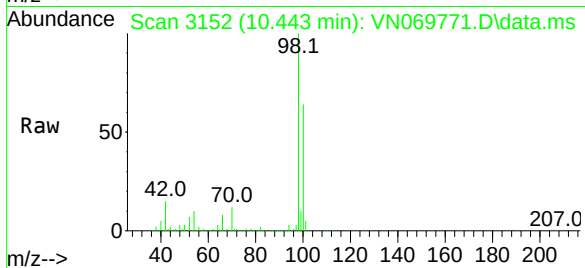
DUP01-20211130DL

Tgt Ion: 98 Resp: 2930550

Ion Ratio Lower Upper

98 100

100 63.7 50.4 75.6



#53

t-1,3-Dichloropropene

Concen: 2.800 ug/l

RT: 10.719 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VN069771.D

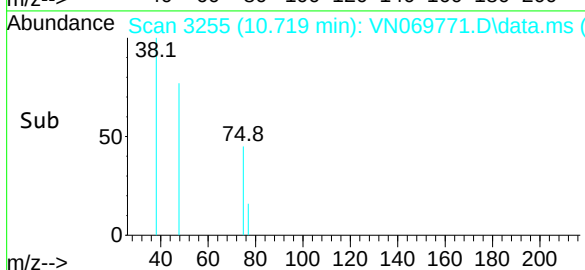
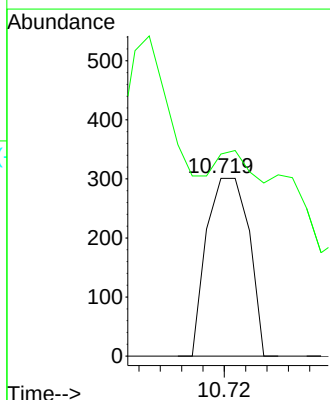
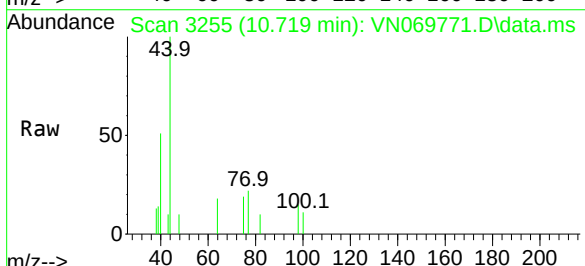
Acq: 4 Dec 2021 17:39

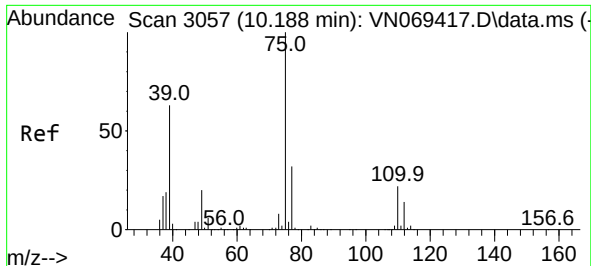
Tgt Ion: 75 Resp: 166

Ion Ratio Lower Upper

75 100

77 11.6 25.6 38.4#

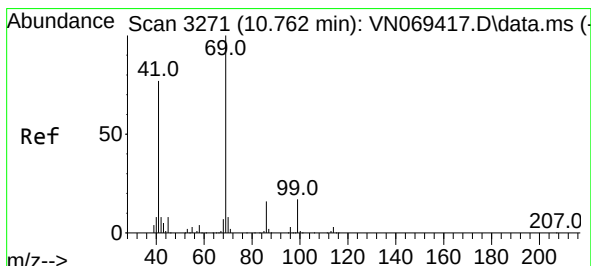
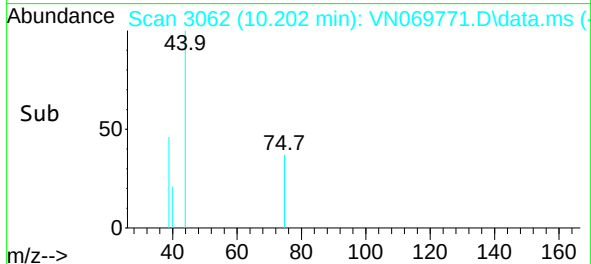
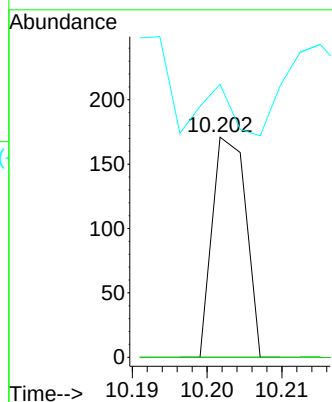
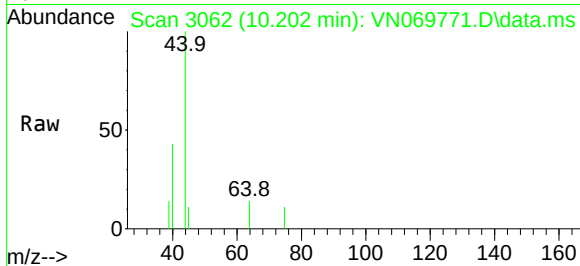




#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.202 min Scan# 3057
Delta R.T. 0.011 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

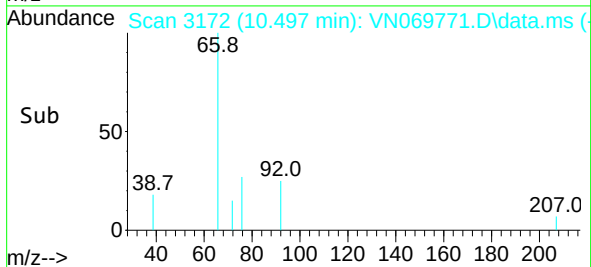
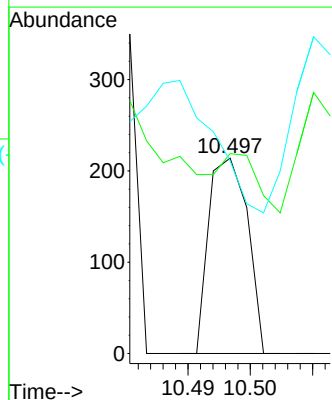
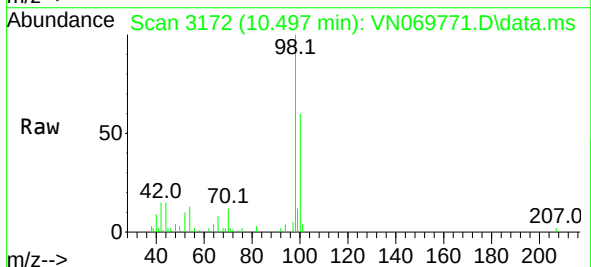
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130DL

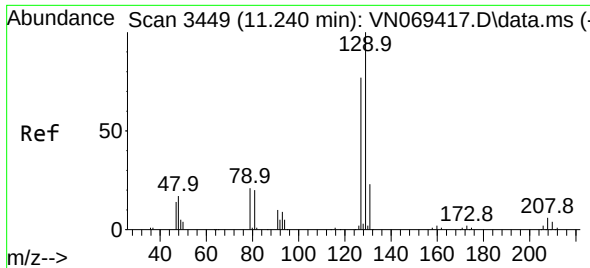
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 22.2 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.497 min Scan# 3172
Delta R.T. -0.265 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion: 69 Resp: 92
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 133.7 34.6 52.0#

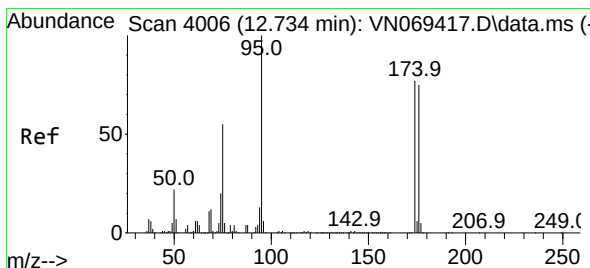
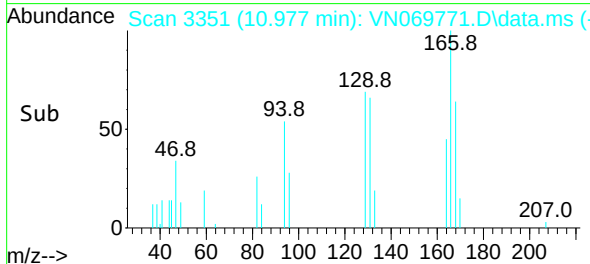
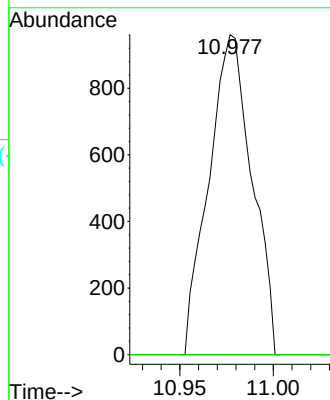
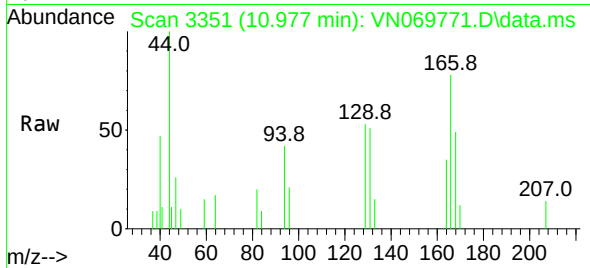




#60
Dibromochloromethane
Concen: 2.460 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

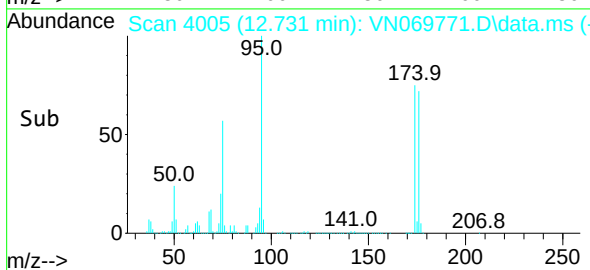
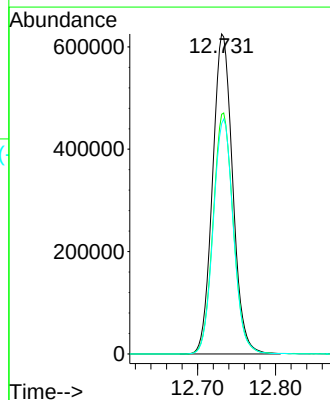
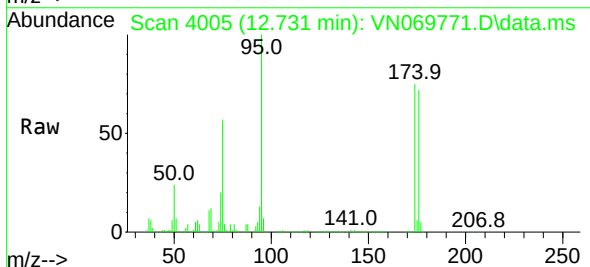
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130DL

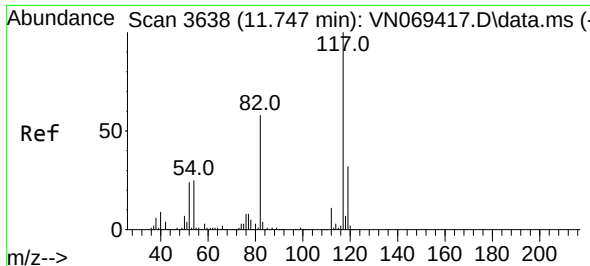
Tgt Ion:129 Resp: 1544
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.880 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion: 95 Resp: 1118984
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.8 0.0 181.4

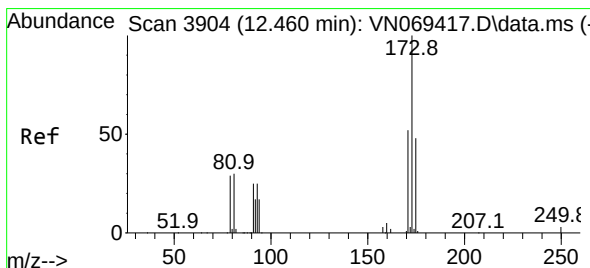
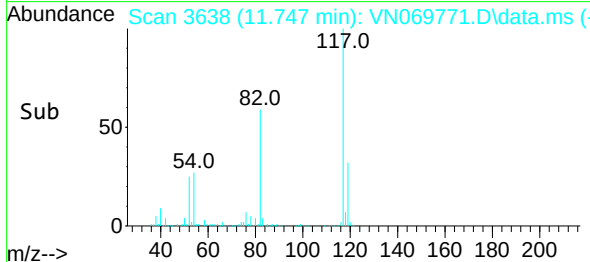
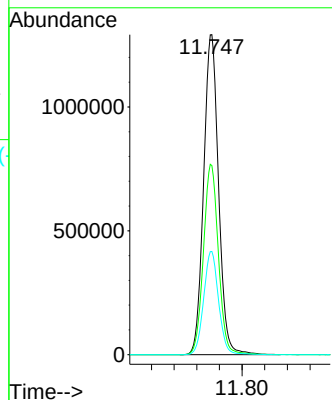
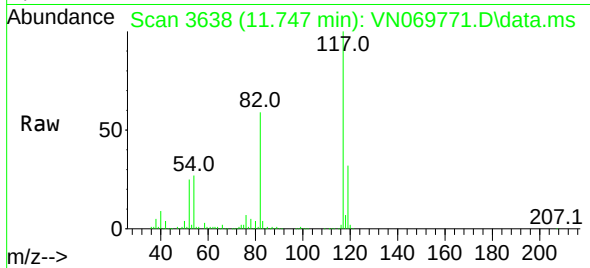




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3063
Delta R.T. 0.001 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

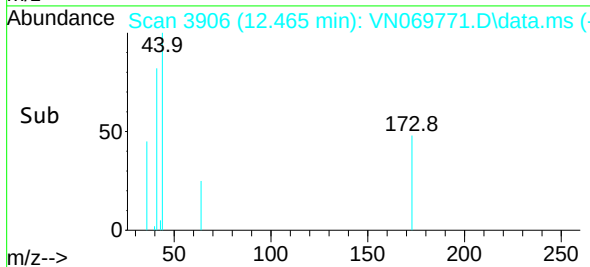
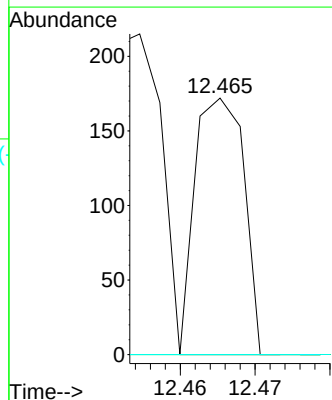
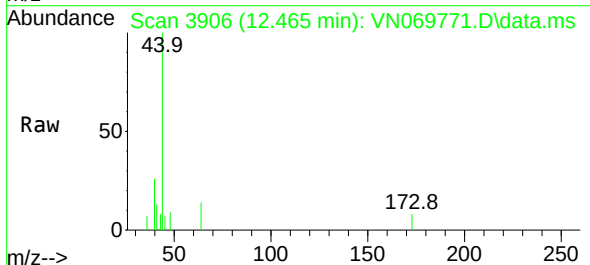
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130DL

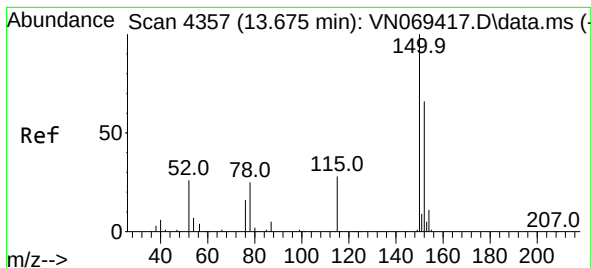
Tgt Ion:117 Resp: 2362297
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 2.736 ug/l
RT: 12.465 min Scan# 3906
Delta R.T. 0.005 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion:173 Resp: 78
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: VN069771.D

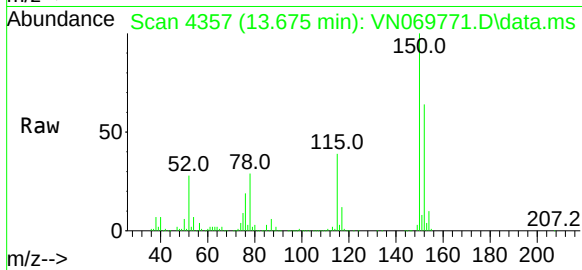
Acq: 4 Dec 2021 17:39

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20211130DL



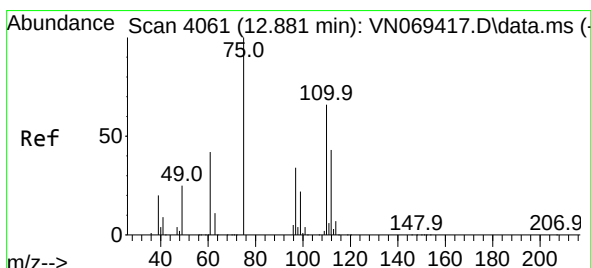
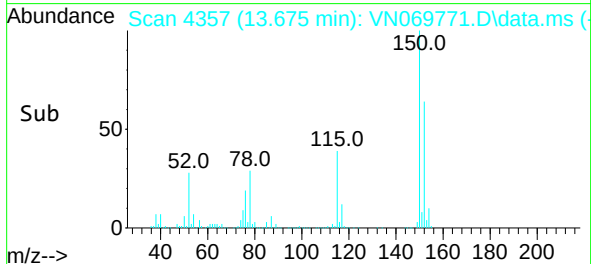
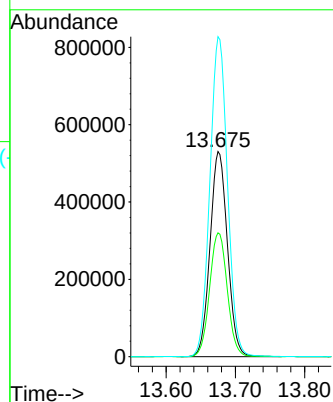
Tgt Ion:152 Resp: 927269

Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.5

150 157.3 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 23.785 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069771.D

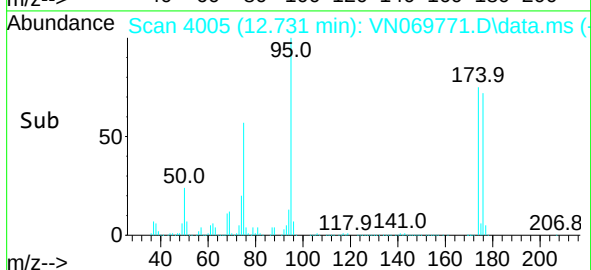
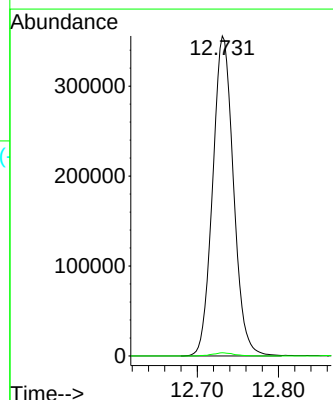
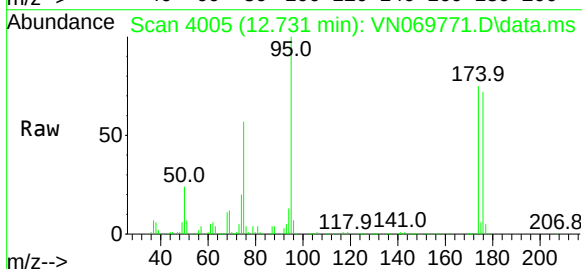
Acq: 4 Dec 2021 17:39

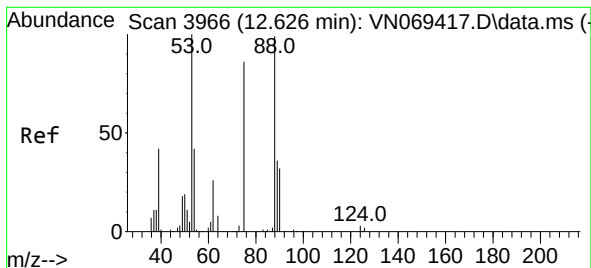
Tgt Ion: 75 Resp: 632493

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#

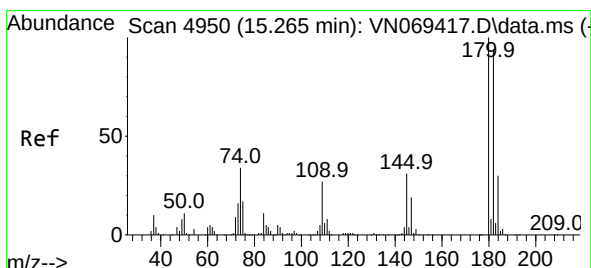
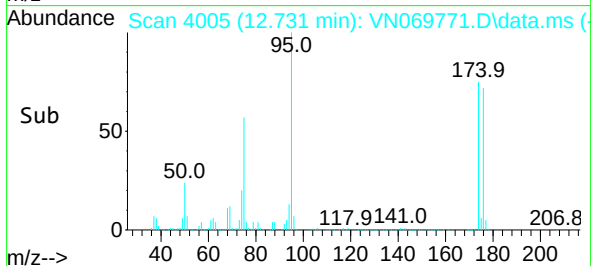
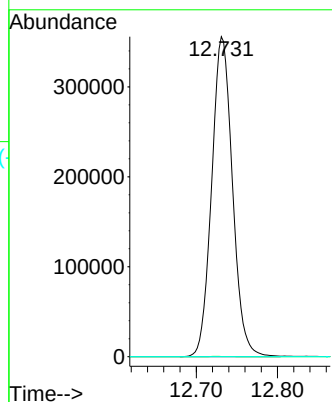
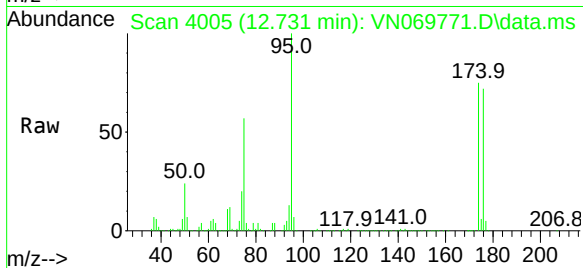




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.584 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.105 min
 Lab File: VN069771.D
 Acq: 4 Dec 2021 17:39

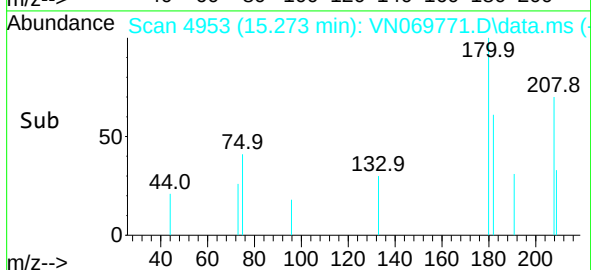
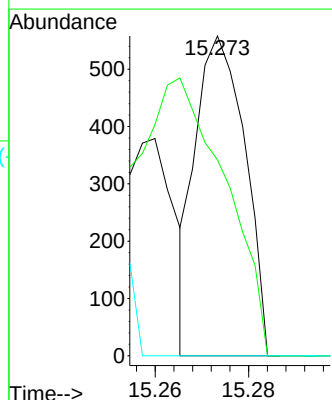
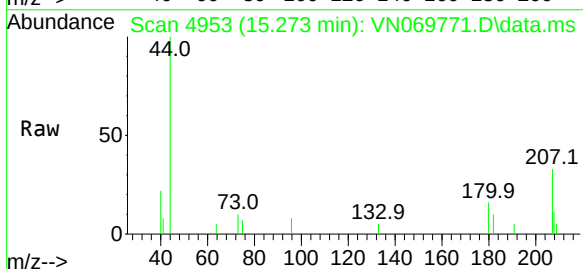
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20211130DL

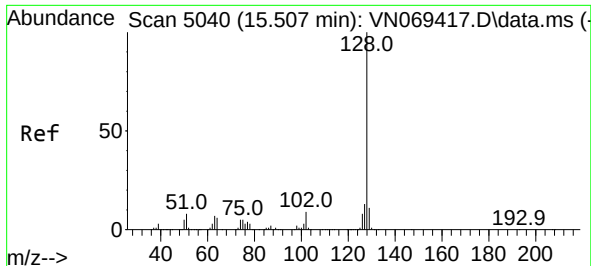
Tgt Ion: 75 Resp: 632493
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.903 ug/l
 RT: 15.273 min Scan# 4953
 Delta R.T. 0.008 min
 Lab File: VN069771.D
 Acq: 4 Dec 2021 17:39

Tgt Ion: 180 Resp: 407
 Ion Ratio Lower Upper
 180 100
 182 187.2 48.3 144.9#
 145 0.0 14.5 43.5#

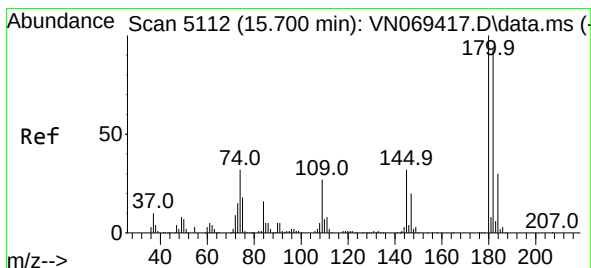
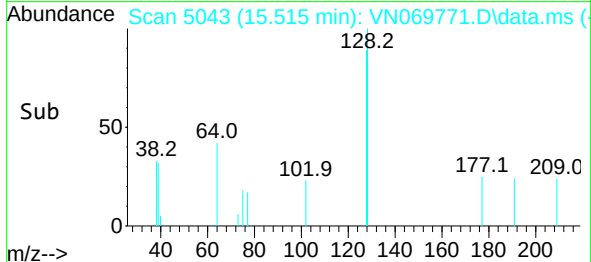
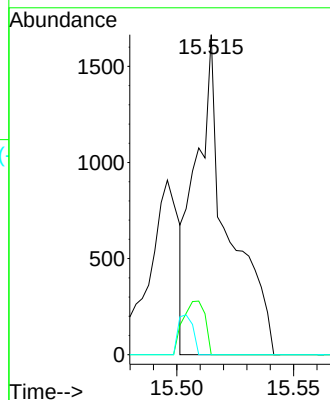
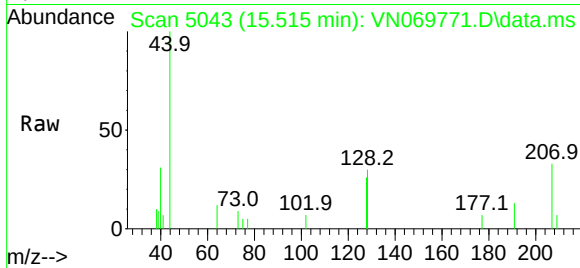




#95
Naphthalene
Concen: 4.018 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20211130DL

Tgt Ion:128 Resp: 1617
Ion Ratio Lower Upper
128 100
127 11.3 10.5 15.7
129 5.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.481 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069771.D
Acq: 4 Dec 2021 17:39

Tgt Ion:180 Resp: 701
Ion Ratio Lower Upper
180 100
182 103.0 47.4 142.2
145 8.6 15.0 45.1#

