

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069739.D
 Acq On : 4 Dec 2021 00:59
 Operator : JC/MD
 Sample : M4922-08 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20211129

Quant Time: Dec 04 05:40:07 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)

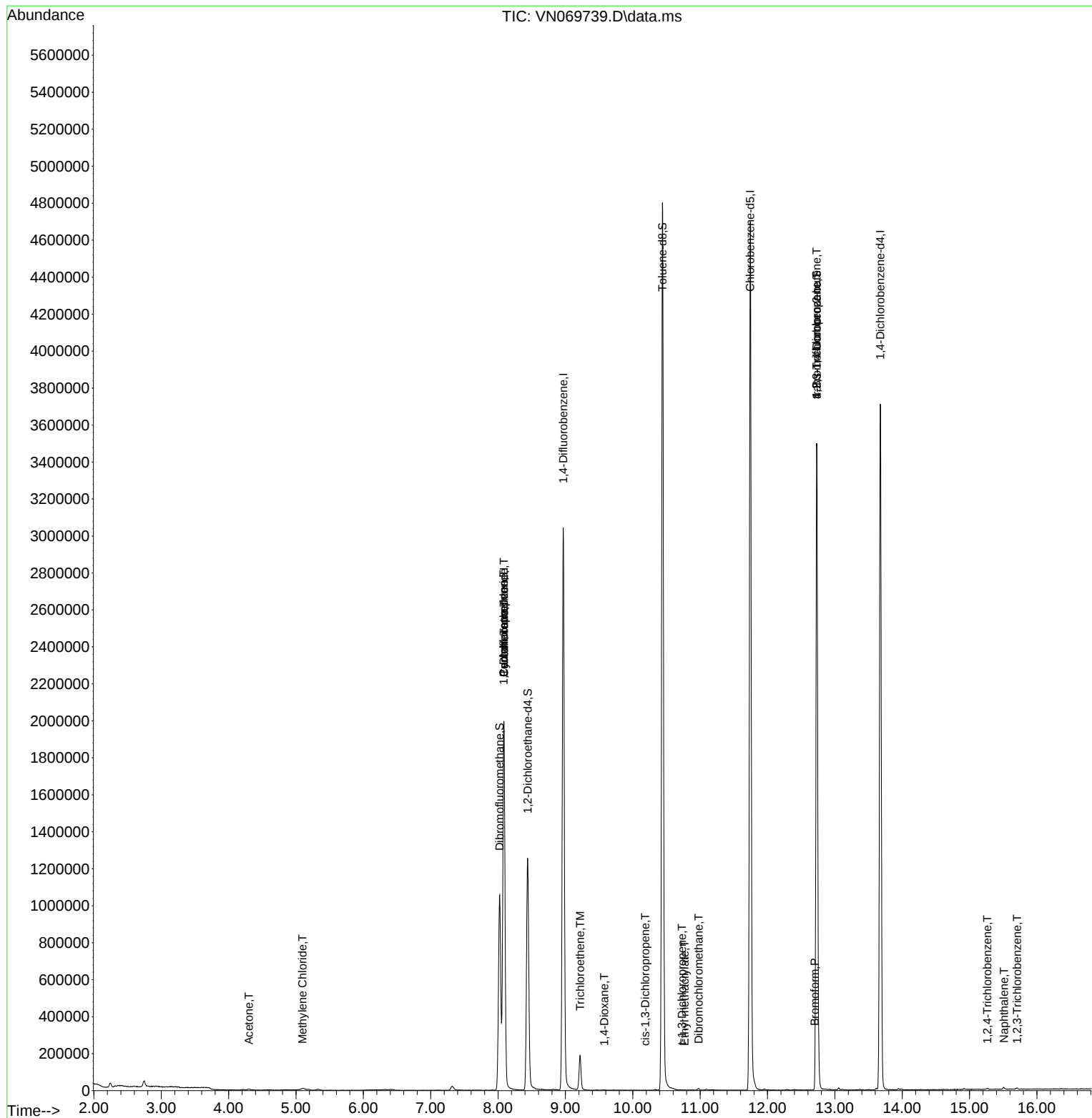
Internal Standards						
1) Pentafluorobenzene	8.086	168	1469568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2577340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2661444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1010516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1099337	48.450	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.900%
35) Dibromofluoromethane	8.024	113	758092	46.958	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.920%
50) Toluene-d8	10.440	98	3324446	51.285	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.560%
62) 4-Bromofluorobenzene	12.731	95	1238427	52.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.460%
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	4730	0.347	ug/l	92
20) Methylene Chloride	5.095	84	3965	0.219	ug/l #	88
31) Cyclohexane	8.086	56	38899	1.232	ug/l #	33
36) 1,1-Dichloropropene	8.083	75	123440	5.031	ug/l #	48
38) Carbon Tetrachloride	8.086	117	151482	6.296	ug/l #	16
44) Trichloroethene	9.217	130	64115	3.582	ug/l	91
49) 1,4-Dioxane	9.577	88	97	0.214	ug/l #	1
53) t-1,3-Dichloropropene	10.730	75	157	2.799	ug/l #	45
54) cis-1,3-Dichloropropene	10.186	75	107	2.002	ug/l #	75
56) Ethyl methacrylate	10.770	69	405	2.290	ug/l #	45
60) Dibromochloromethane	10.979	129	1779	2.462	ug/l #	11
71) Bromoform	12.701	173	28	2.733	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	694465	23.964	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	694465	76.123	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	2064	2.995	ug/l	97
95) Naphthalene	15.509	128	8463	4.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	2170	2.563	ug/l	93

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

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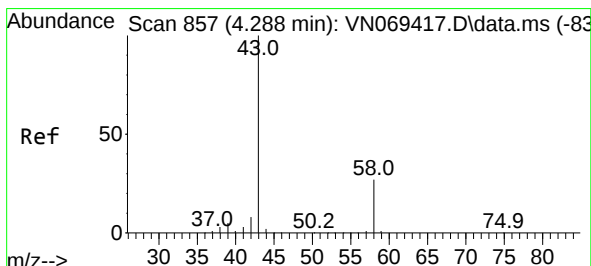
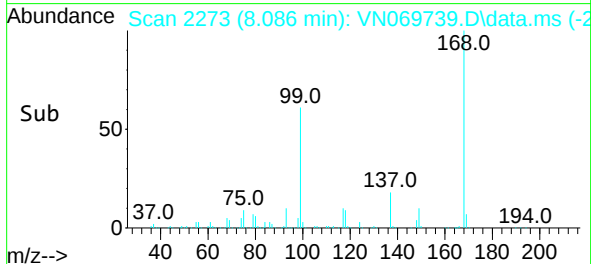
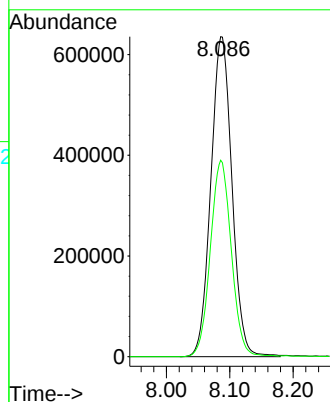
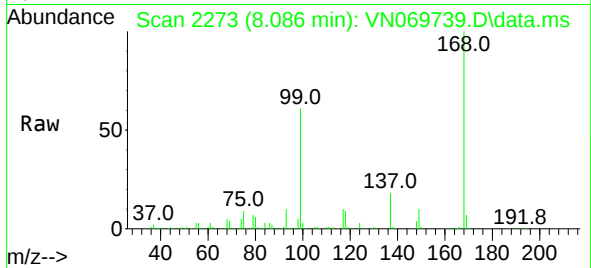




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

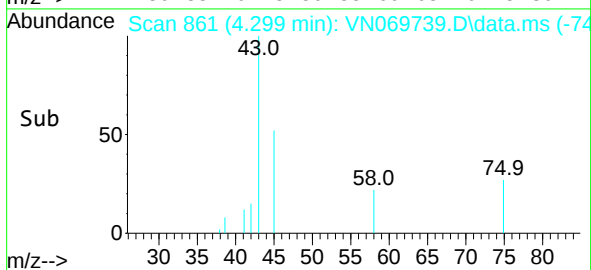
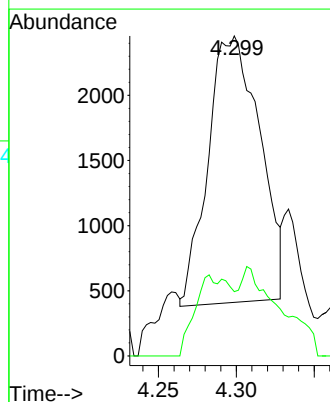
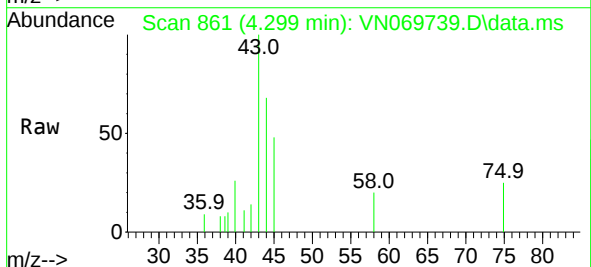
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

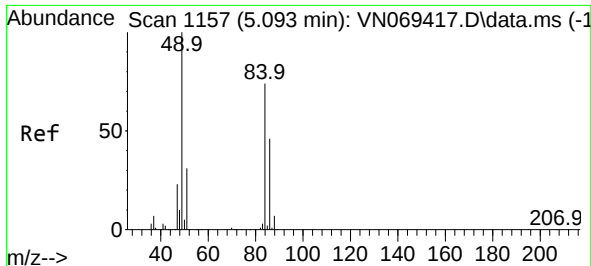
Tgt Ion:168 Resp: 1469568
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#16
Acetone
Concen: 0.347 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

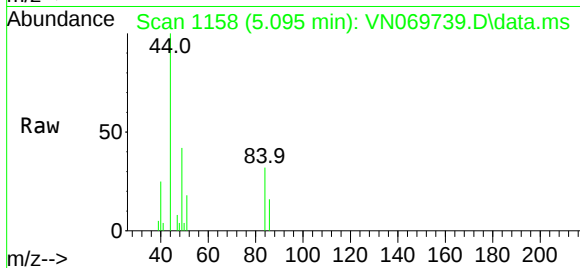
Tgt Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
58 24.5 23.1 34.7



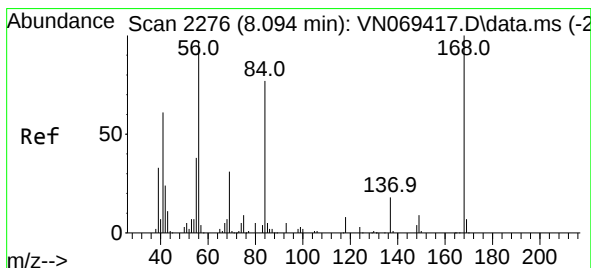
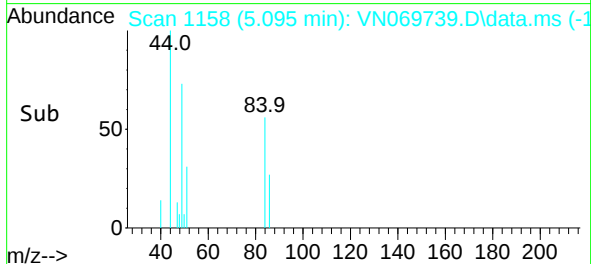
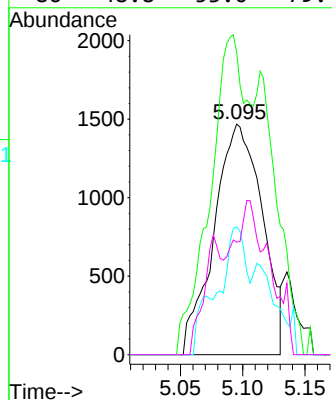


#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 5.095 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

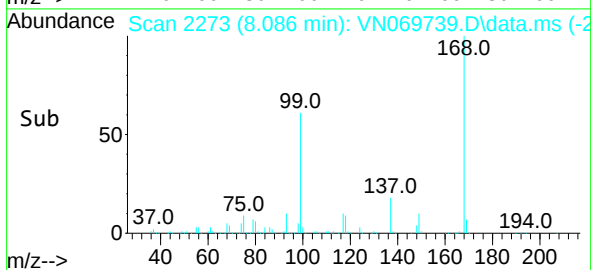
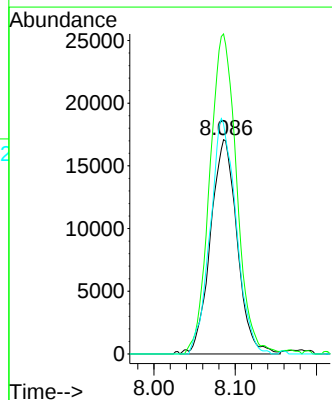
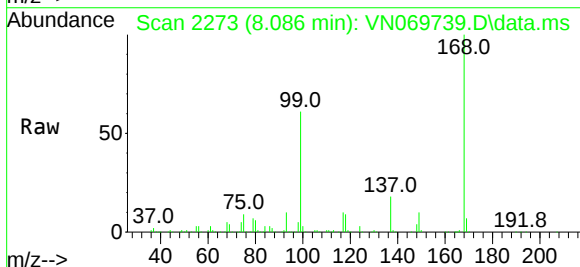


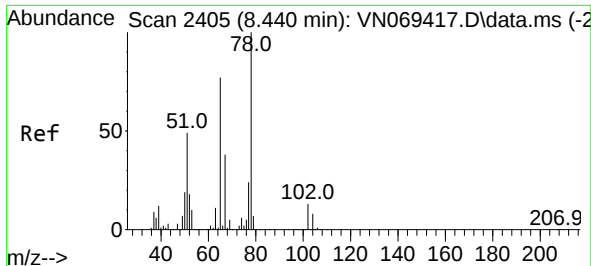
Tgt Ion: 84 Resp: 3965
Ion Ratio Lower Upper
84 100
49 117.6 93.5 140.3
51 55.4 29.4 44.2#
86 48.8 53.0 79.4#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 56 Resp: 38899
Ion Ratio Lower Upper
56 100
69 149.4 27.1 40.7#
84 107.5 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 48.450 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069739.D

Acq: 4 Dec 2021 00:59

Instrument :

MSVOA_N

ClientSampleId :

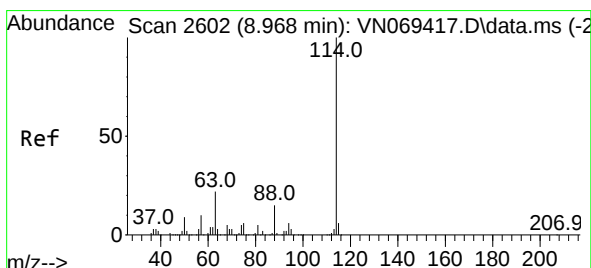
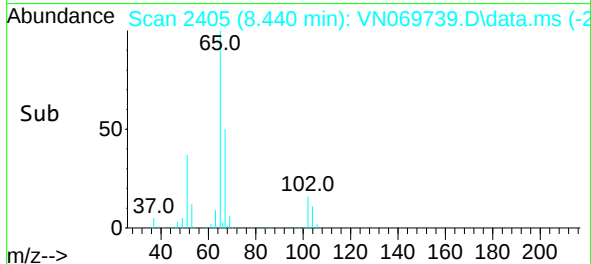
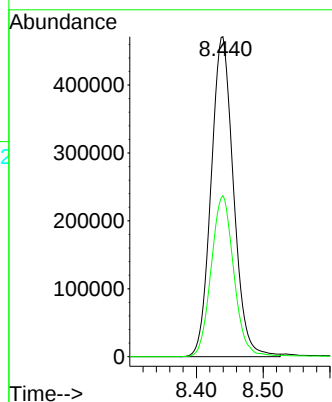
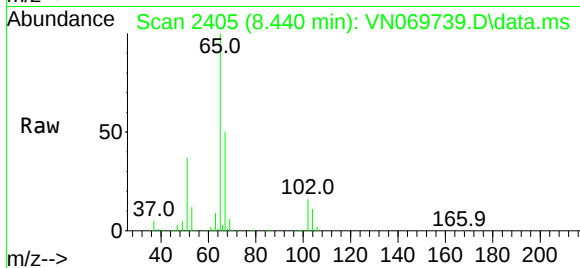
DUP05-20211129

Tgt Ion: 65 Resp: 1099337

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# 2602

Delta R.T. -0.000 min

Lab File: VN069739.D

Acq: 4 Dec 2021 00:59

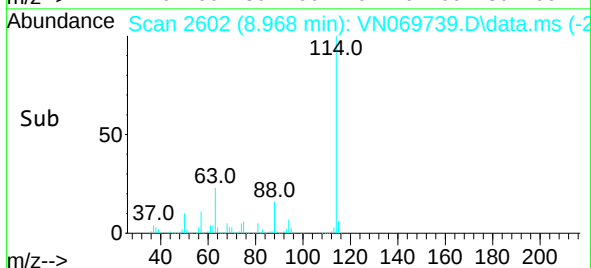
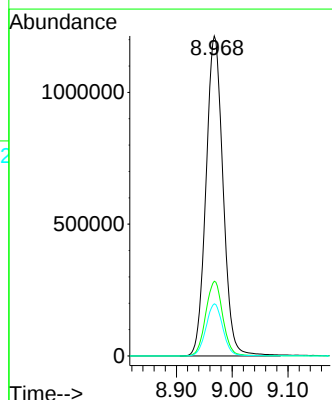
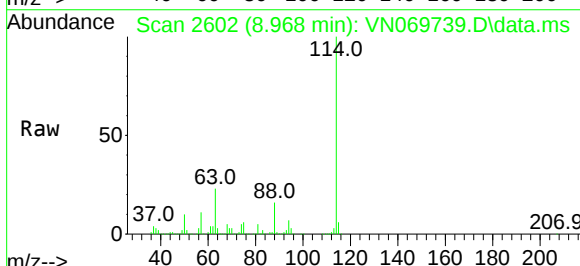
Tgt Ion: 114 Resp: 2577340

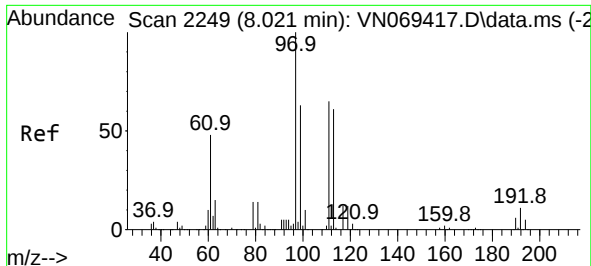
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.3 0.0 27.4

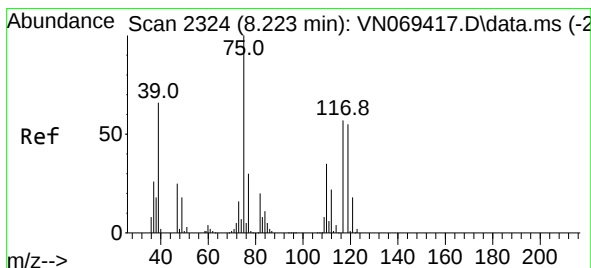
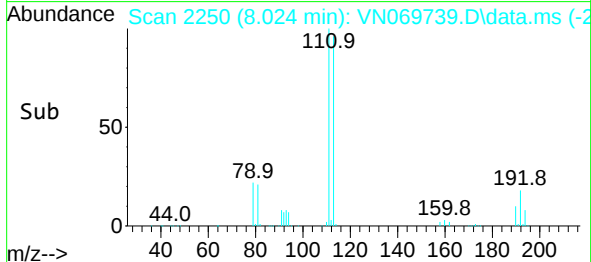
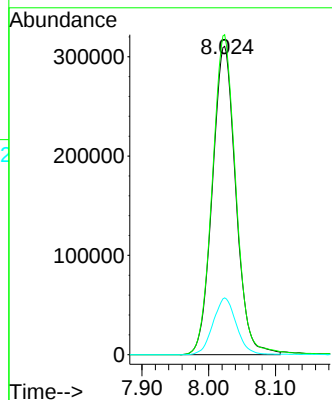
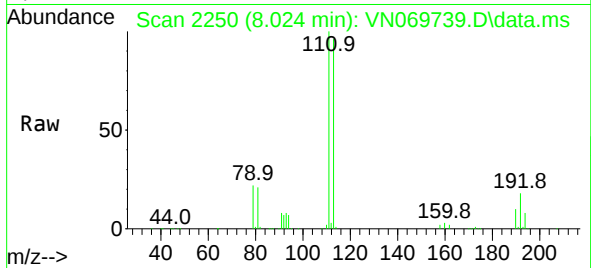




#35
Dibromofluoromethane
Concen: 46.958 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

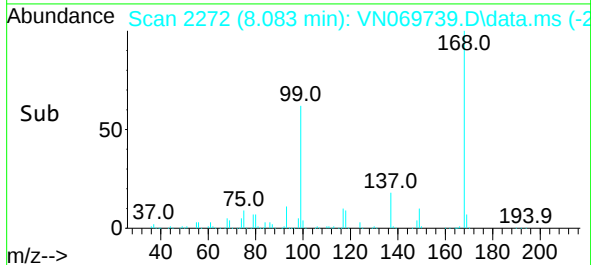
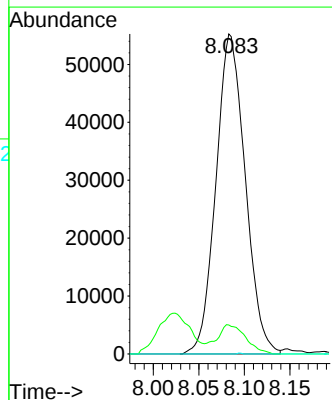
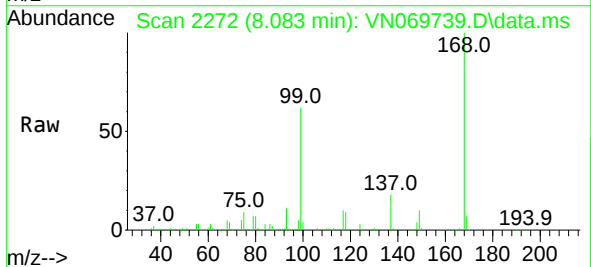
Instrument :
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ClientSampleId :
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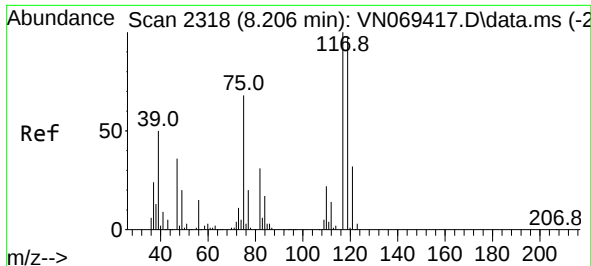
Tgt Ion:113 Resp: 758092
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.031 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 75 Resp: 123440
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#

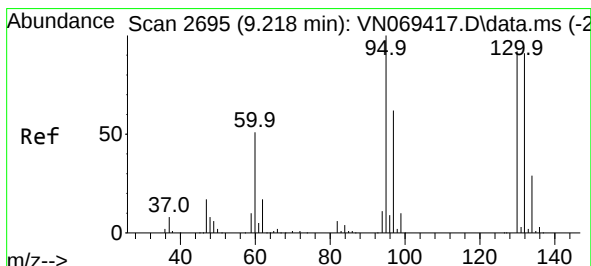
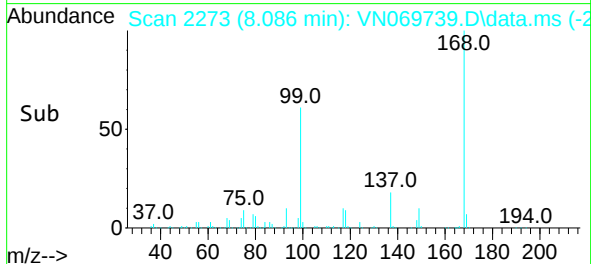
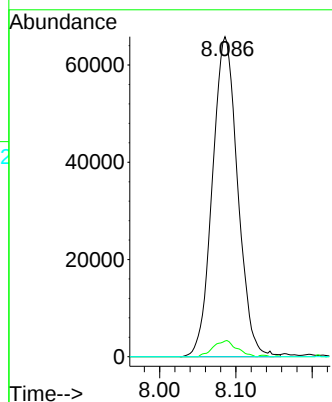
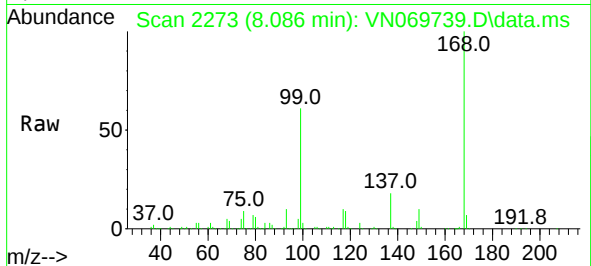




#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

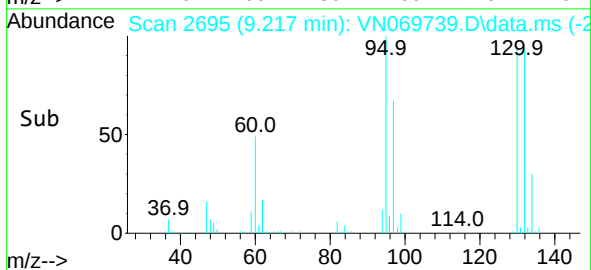
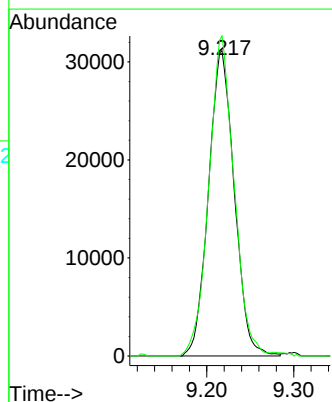
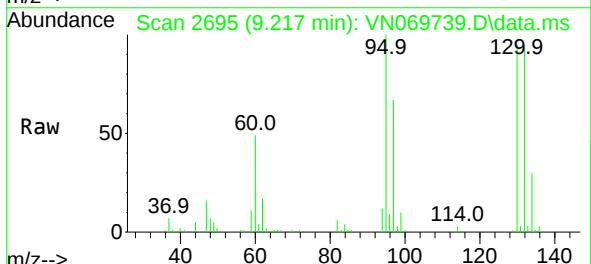
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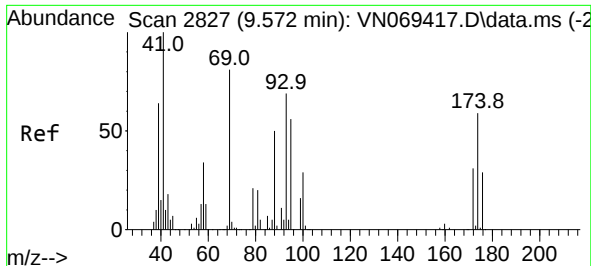
Tgt Ion:117 Resp: 151482
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 3.582 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion:130 Resp: 64115
Ion Ratio Lower Upper
130 100
95 104.8 0.0 191.2





#49

1,4-Dioxane

Concen: 0.214 ug/l

RT: 9.577 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN069739.D

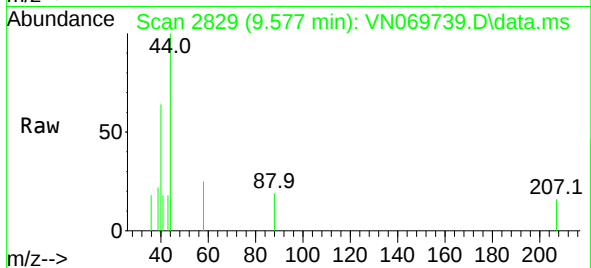
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Instrument :

MSVOA_N

ClientSampleId :

DUP05-20211129



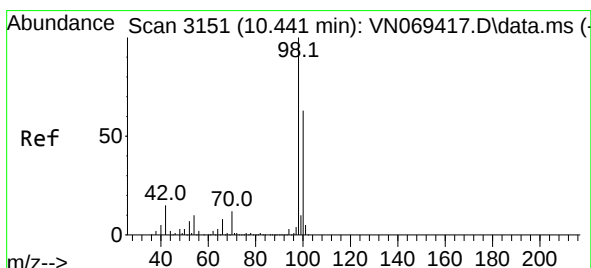
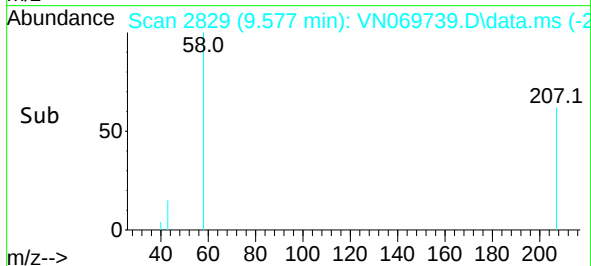
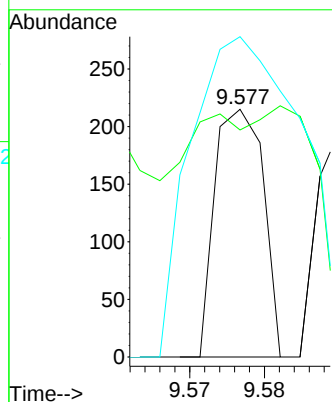
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 27.8 23.4 35.2

58 294.8 50.6 75.8#



#50

Toluene-d8

Concen: 51.285 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069739.D

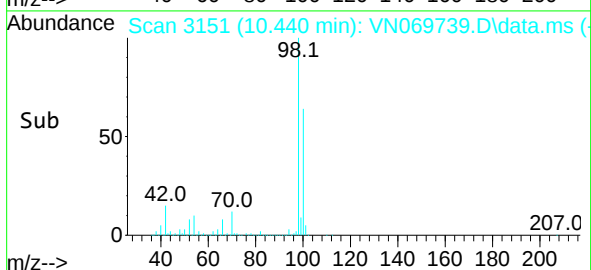
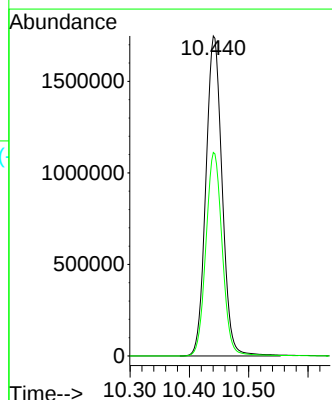
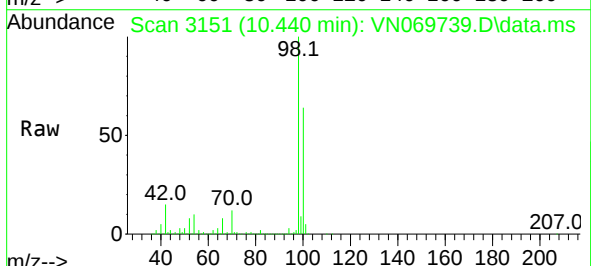
Acq: 4 Dec 2021 00:59

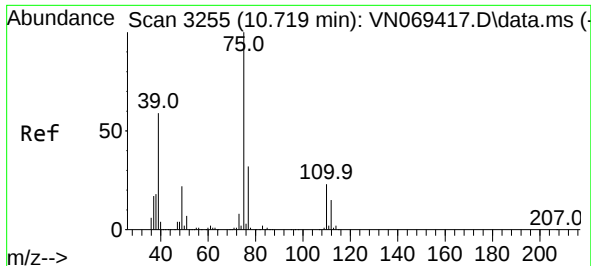
Tgt Ion: 98 Resp: 3324446

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6

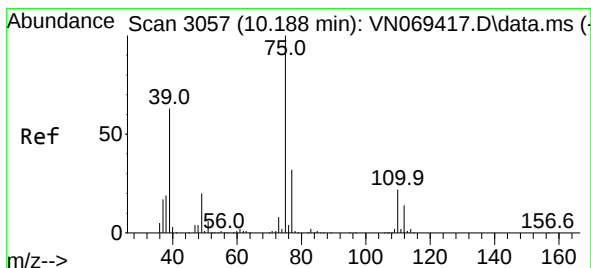
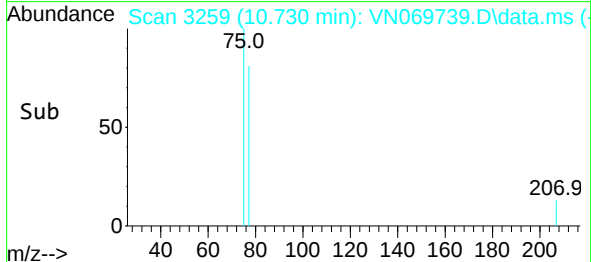
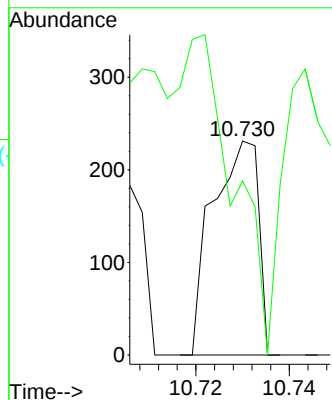
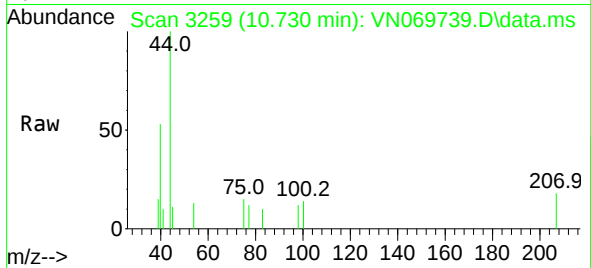




#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.730 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

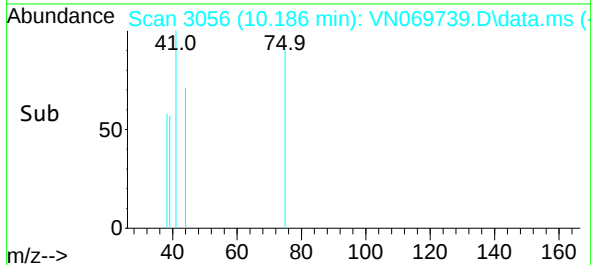
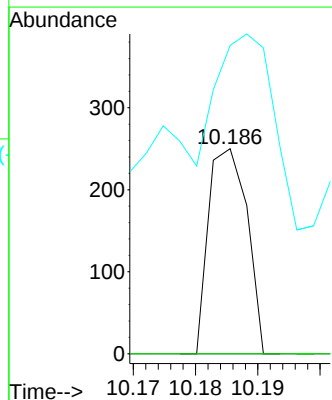
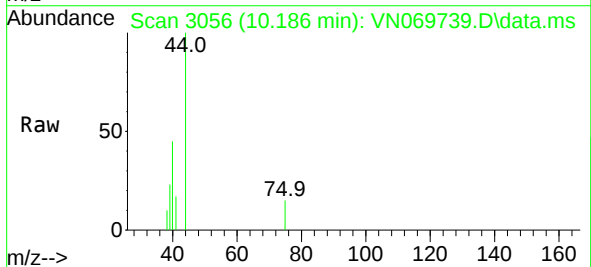
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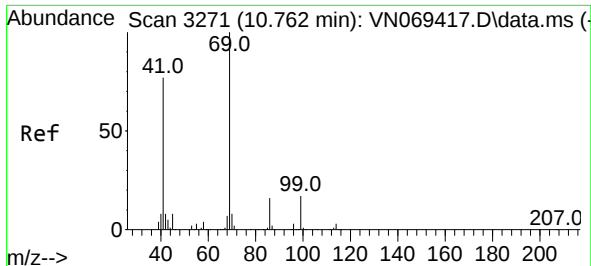
Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
77 1.3 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.002 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 75 Resp: 107
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 50.0 42.5 63.7

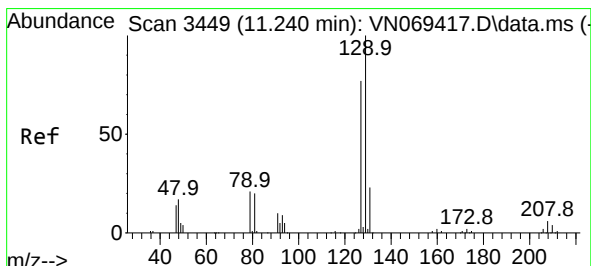
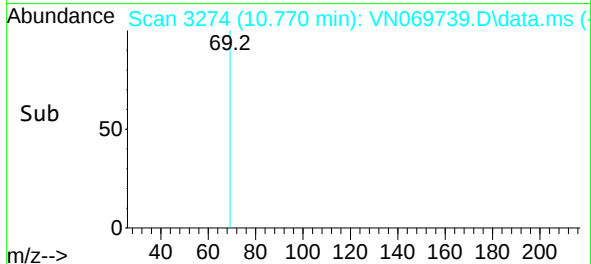
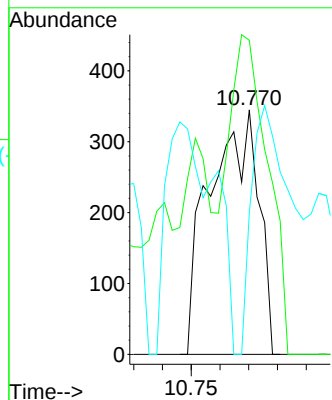
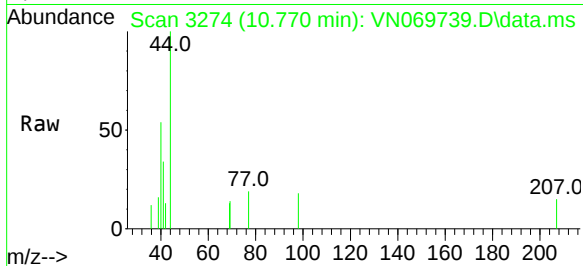




#56
Ethyl methacrylate
Concen: 2.290 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

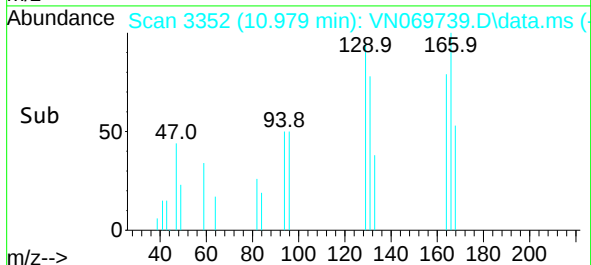
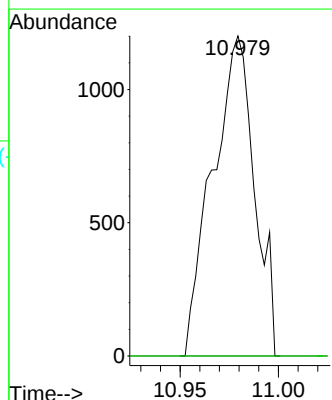
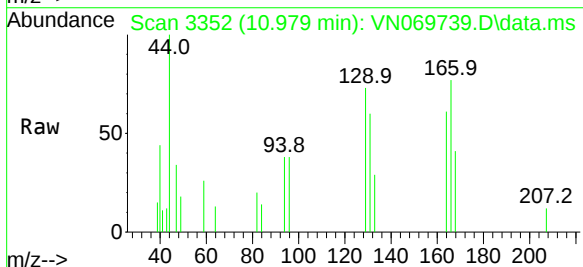
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

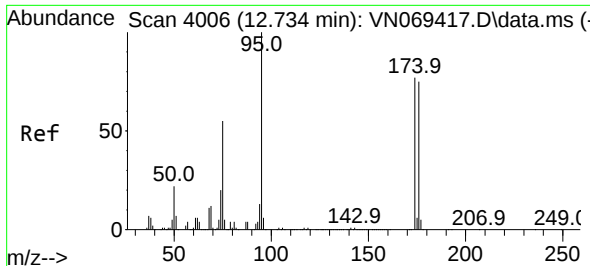
Tgt Ion: 69 Resp: 405
Ion Ratio Lower Upper
69 100
41 104.2 51.4 77.0#
39 81.7 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.462 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 129 Resp: 1779
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

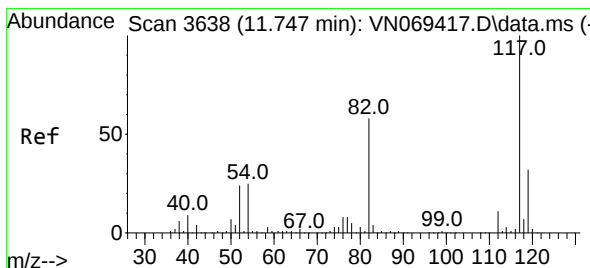
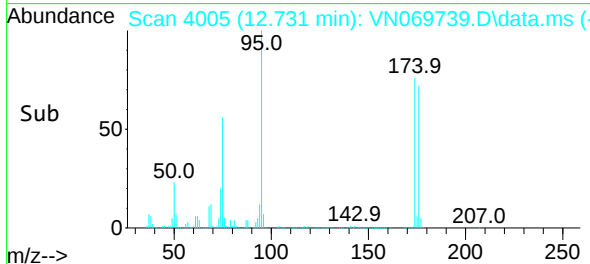
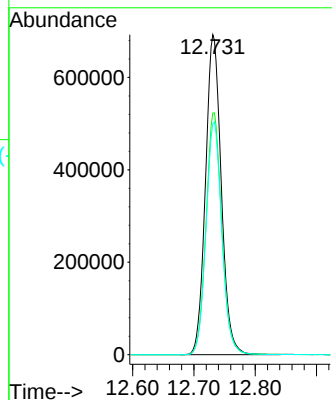
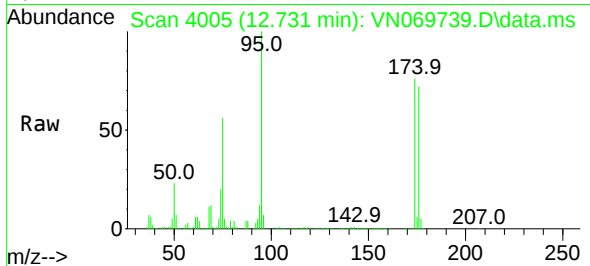




#62
4-Bromofluorobenzene
Concen: 52.735 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

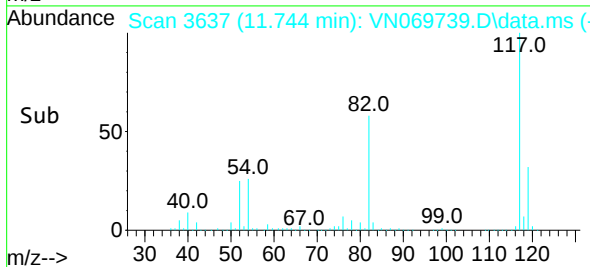
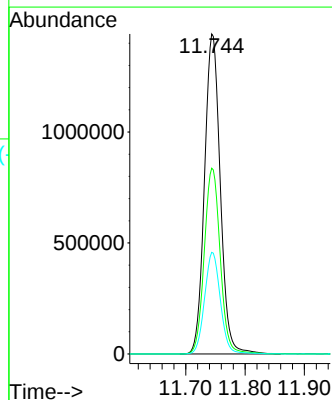
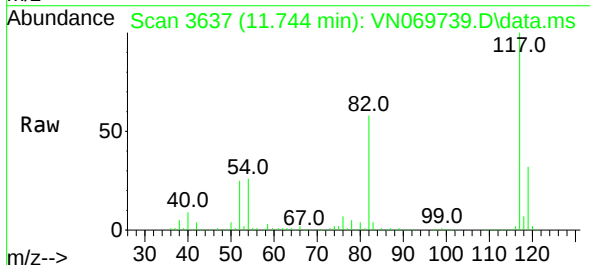
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

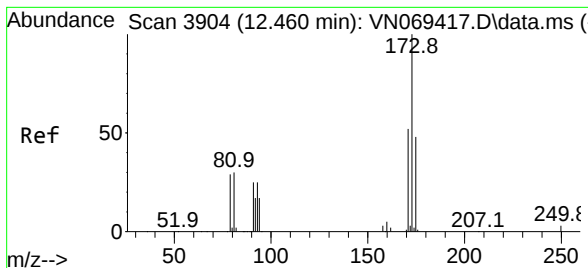
Tgt Ion: 95 Resp: 1238427
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 117 Resp: 2661444
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 31.8 25.4 38.2





#71

Bromoform

Concen: 2.733 ug/l

RT: 12.701 min Scan# 3904

Delta R.T. 0.241 min

Lab File: VN069739.D

Acq: 4 Dec 2021 00:59

Instrument :

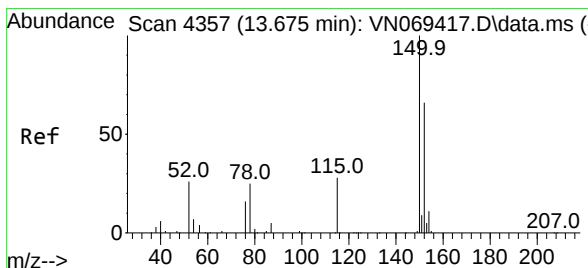
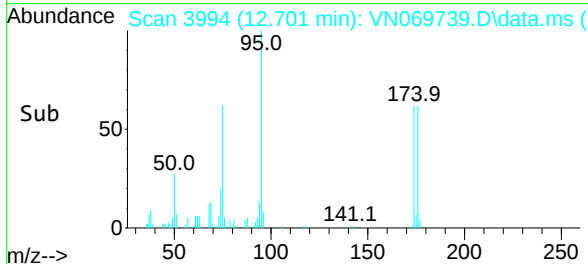
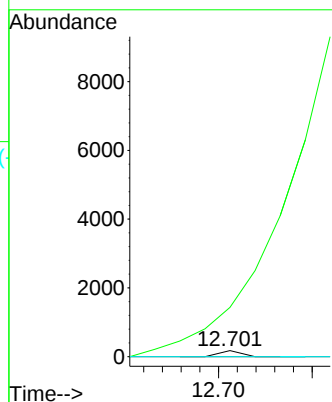
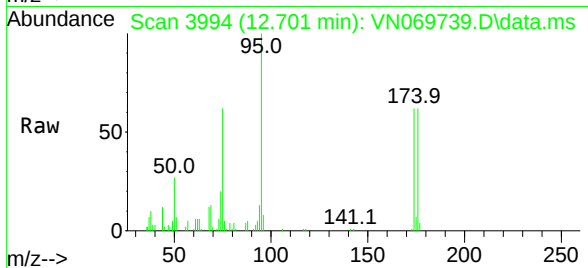
MSVOA_N

ClientSampleId :

DUP05-20211129

Tgt Ion:173 Resp: 28

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# 4357

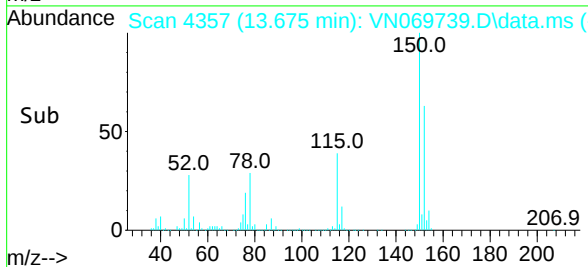
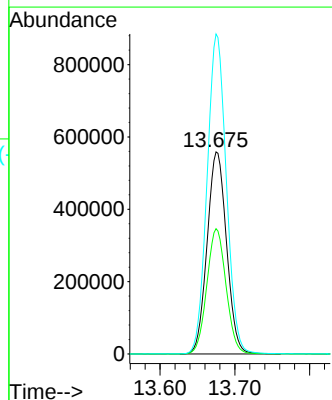
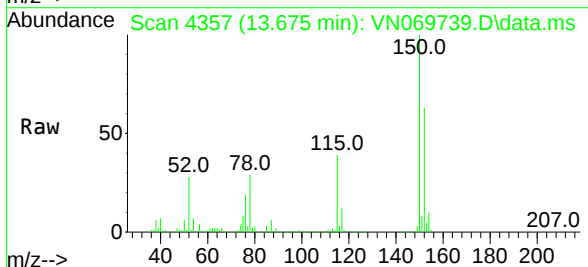
Delta R.T. -0.003 min

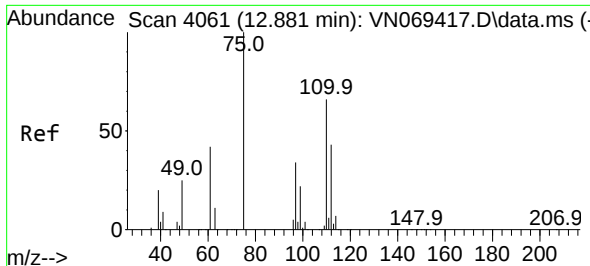
Lab File: VN069739.D

Acq: 4 Dec 2021 00:59

Tgt Ion:152 Resp: 1010516

Ion	Ratio	Lower	Upper
152	100		
115	61.2	27.5	82.5
150	156.5	0.0	344.4

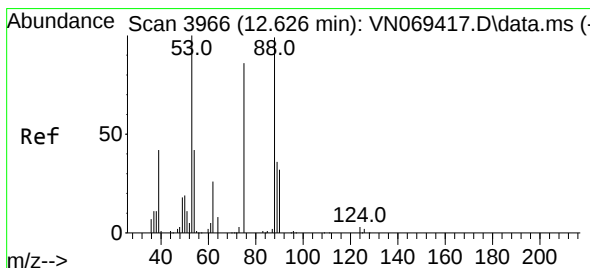
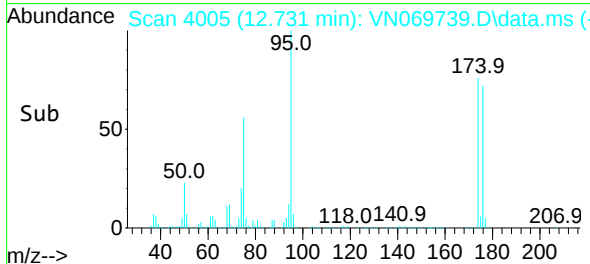
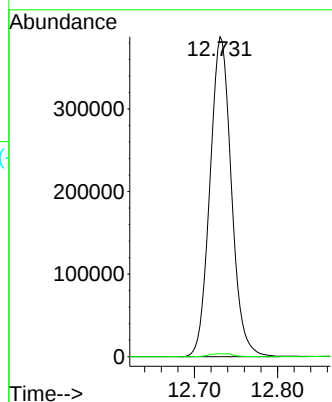
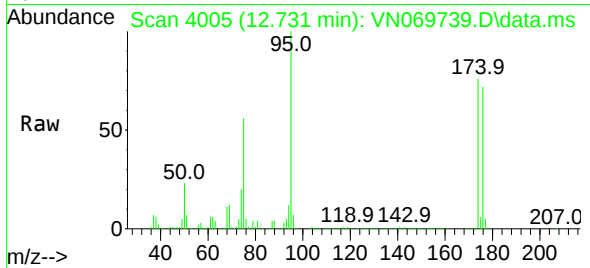




#76
1,2,3-Trichloropropane
Concen: 23.964 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

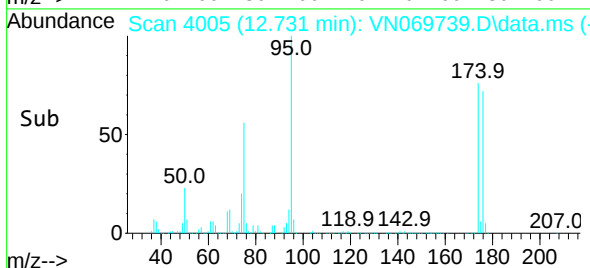
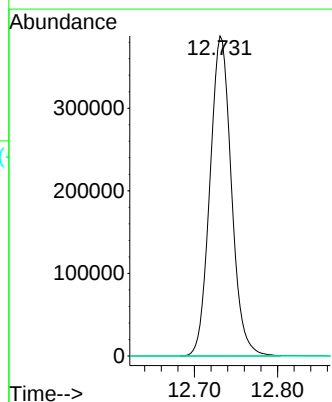
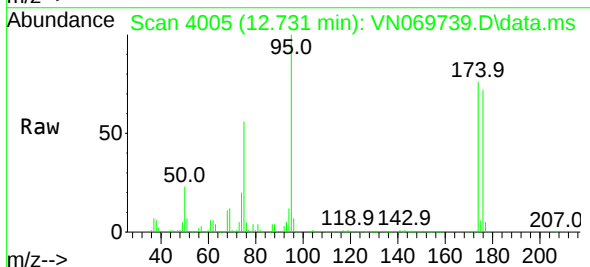
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

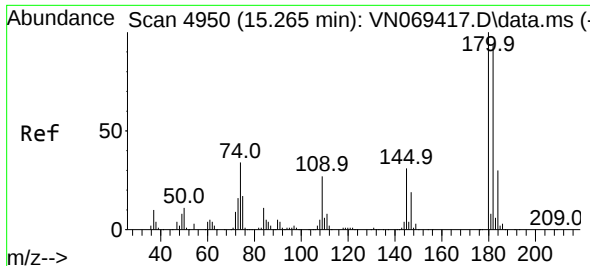
Tgt Ion: 75 Resp: 694465
Ion Ratio Lower Upper
75 100
77 0.7 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.123 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

Tgt Ion: 75 Resp: 694465
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

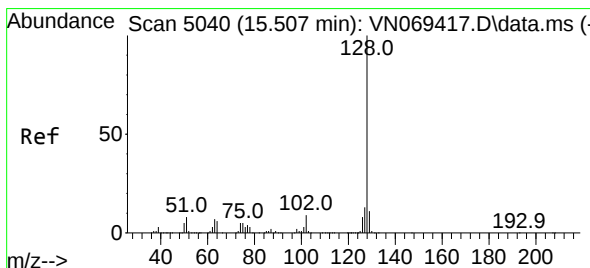
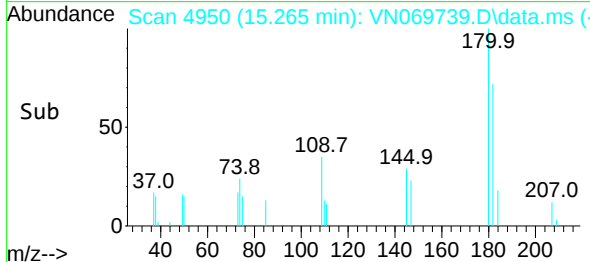
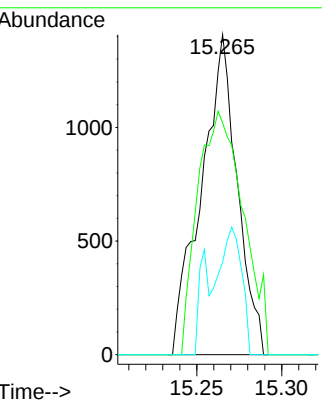
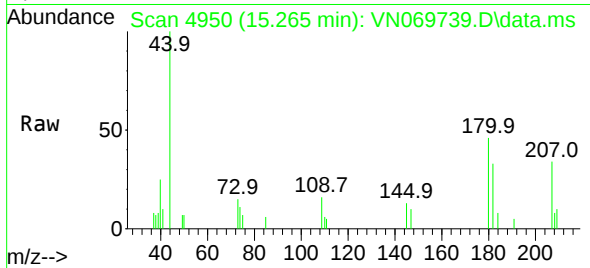




#93
1,2,4-Trichlorobenzene
Concen: 2.995 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

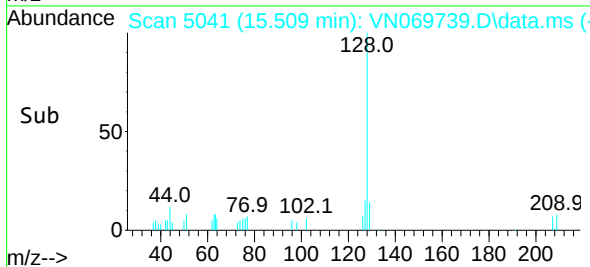
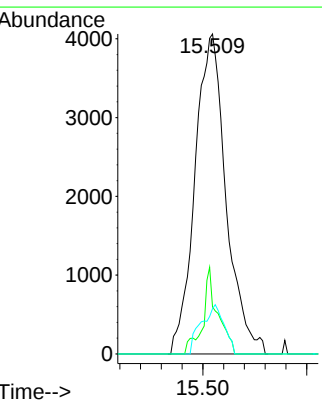
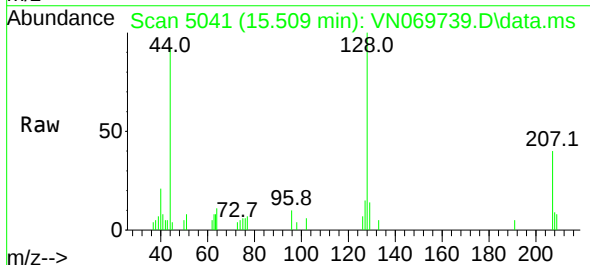
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20211129

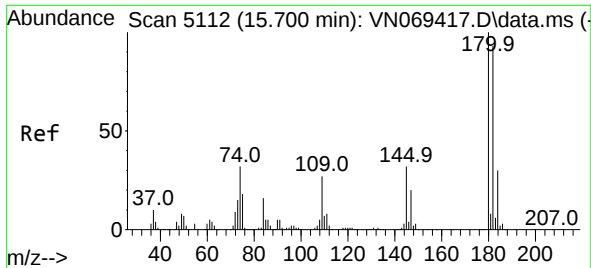
Tgt Ion:180 Resp: 2064
Ion Ratio Lower Upper
180 100
182 96.9 48.3 144.9
145 23.4 14.5 43.5



#95
Naphthalene
Concen: 4.143 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069739.D
Acq: 4 Dec 2021 00:59

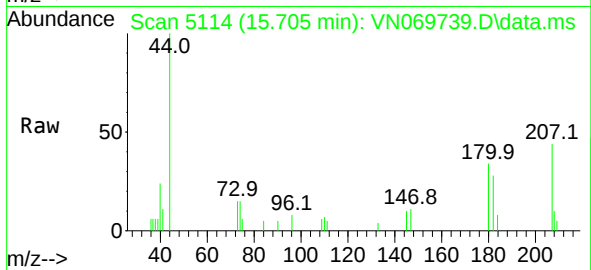
Tgt Ion:128 Resp: 8463
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.563 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069739.D
 Acq: 4 Dec 2021 00:59

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20211129



Tgt Ion:180 Resp: 2170
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.4 142.2
 145 18.8 15.0 45.1

