

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069816.D
 Acq On : 7 Dec 2021 15:50
 Operator : JC/MD
 Sample : M4956-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20211204

Quant Time: Dec 08 04:36:27 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	1319157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2373451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2523218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	975414	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1017400	49.95	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.90%
35) Dibromofluoromethane	8.024	113	710286	47.78	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.56%
50) Toluene-d8	10.440	98	3054142	51.16	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.32%
62) 4-Bromofluorobenzene	12.731	95	1191733	55.11	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.22%

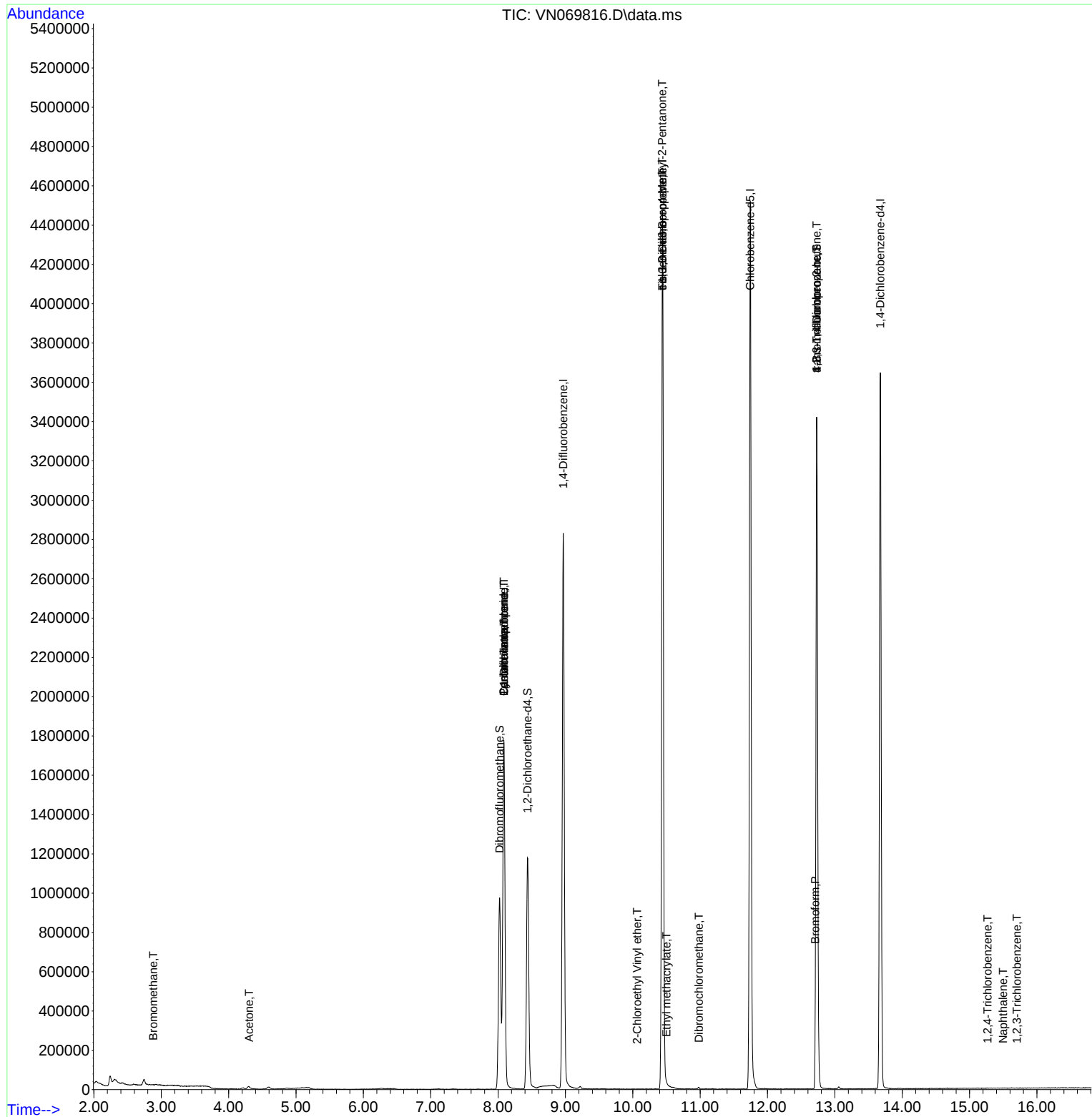
Target Compounds						Qvalue
5) Bromomethane	2.880	94	2274	0.24	ug/l #	61
16) Acetone	4.301	43	20798	1.70	ug/l	91
31) Cyclohexane	8.086	56	34141	1.20	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	112622	4.98	ug/l #	49
38) Carbon Tetrachloride	8.086	117	135429	6.11	ug/l #	17
51) 4-Methyl-2-Pentanone	10.438	43	16406	0.51	ug/l #	1
53) t-1,3-Dichloropropene	10.440	75	943	2.83	ug/l #	1
54) cis-1,3-Dichloropropene	10.440	75	1073	2.03	ug/l #	1
56) Ethyl methacrylate	10.499	69	131	2.28	ug/l #	29
58) 2-Chloroethyl Vinyl ether	10.065	63	27	18.39	ug/l #	45
60) Dibromochloromethane	10.982	129	1836	2.47	ug/l #	11
71) Bromoform	12.709	173	187	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	670544	23.97	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	670544	76.14	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	157	2.89	ug/l #	1
95) Naphthalene	15.499	128	724	4.00	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.703	180	148	2.44	ug/l #	39

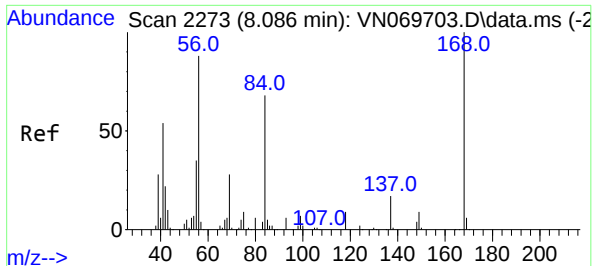
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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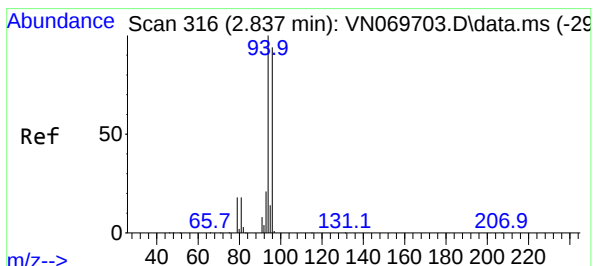
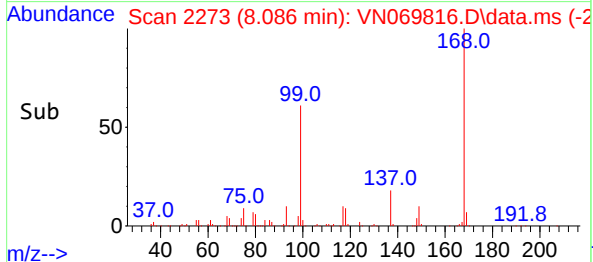
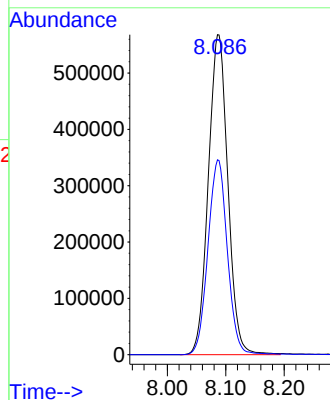
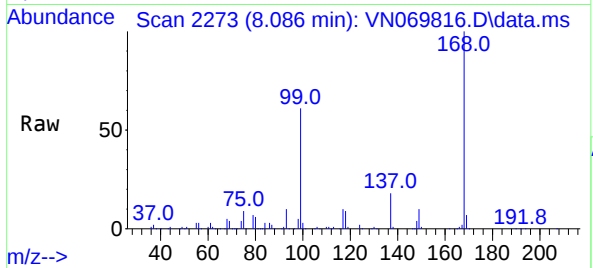




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

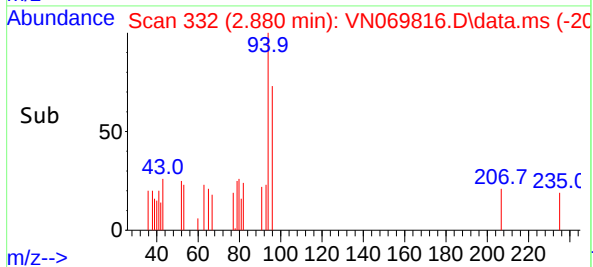
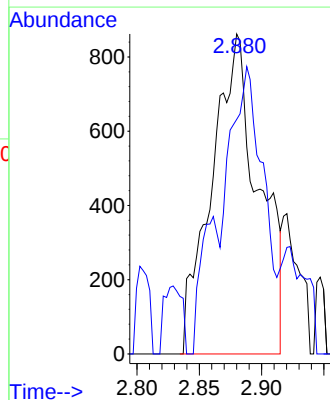
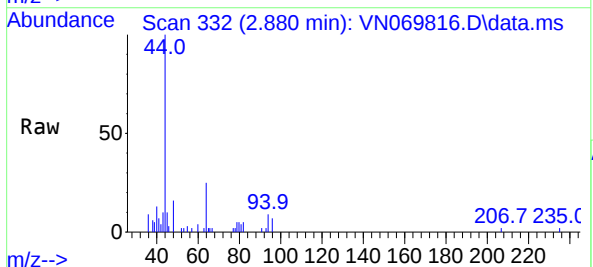
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

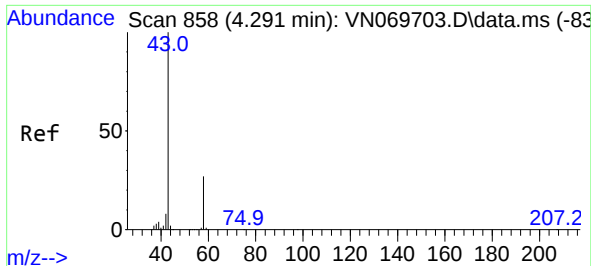
Tgt Ion:168 Resp: 1319157
Ion Ratio Lower Upper
168 100
99 60.9 41.3 61.9



#5
Bromomethane
Concen: 0.24 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 94 Resp: 2274
Ion Ratio Lower Upper
94 100
96 55.3 73.8 110.8#

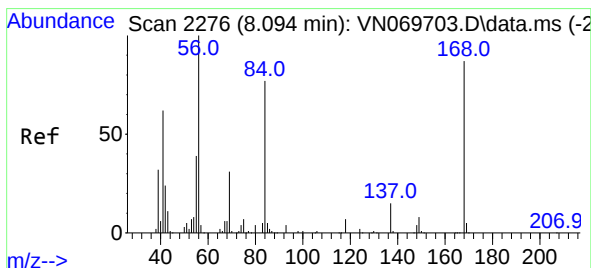
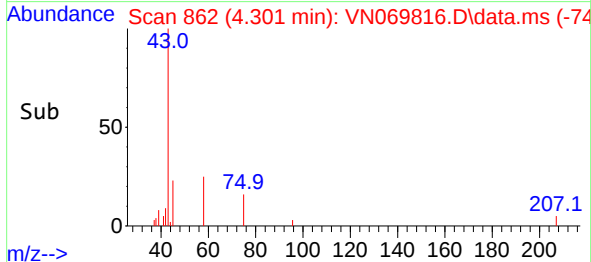
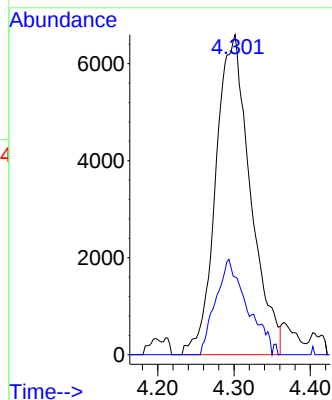
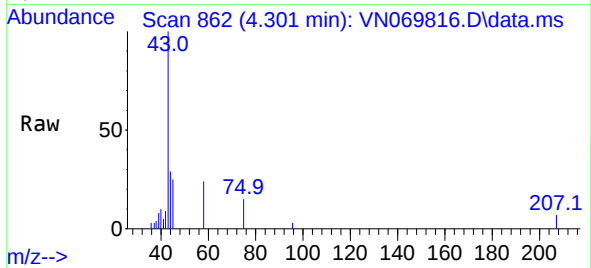




#16
Acetone
Concen: 1.70 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

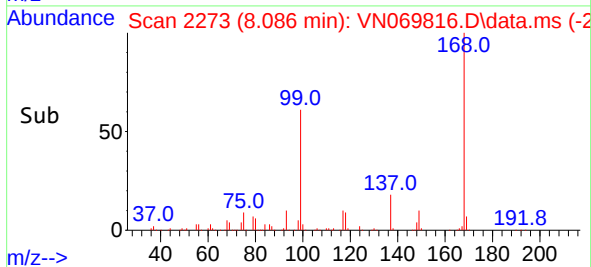
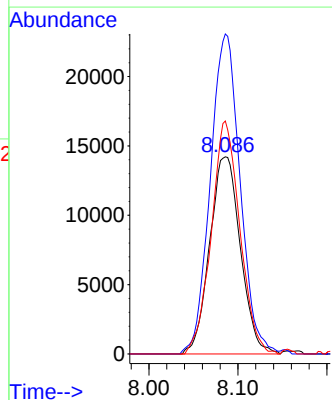
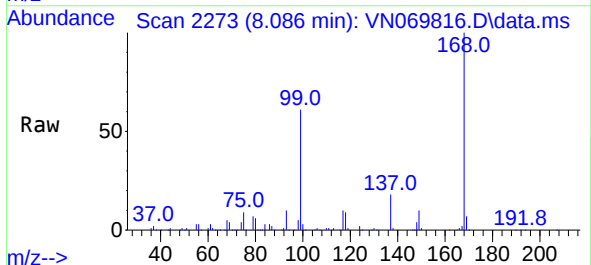
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

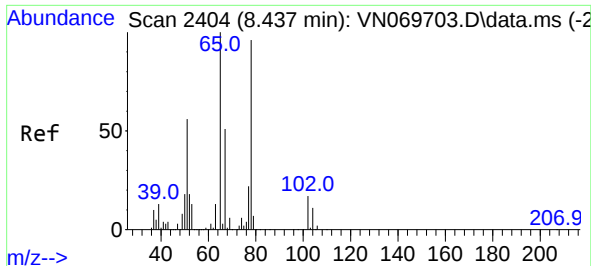
Tgt Ion: 43 Resp: 20798
Ion Ratio Lower Upper
43 100
58 24.3 23.1 34.7



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 56 Resp: 34141
Ion Ratio Lower Upper
56 100
69 162.4 27.1 40.7#
84 118.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.95 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069816.D

Acq: 7 Dec 2021 15:50

Instrument :

MSVOA_N

ClientSampleId :

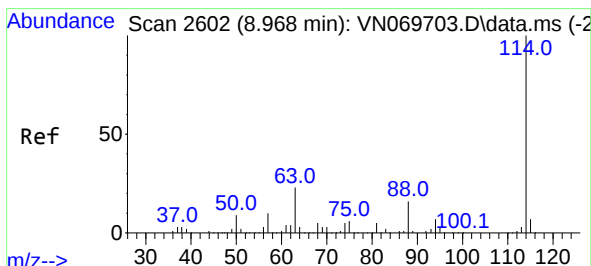
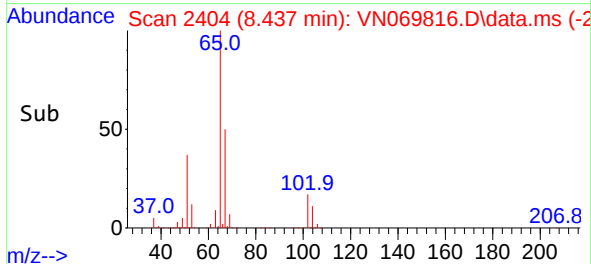
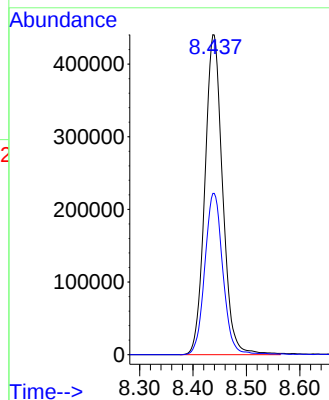
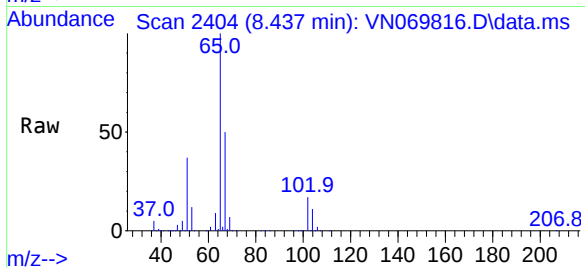
RE123D3-20211204

Tgt Ion: 65 Resp: 1017400

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069816.D

Acq: 7 Dec 2021 15:50

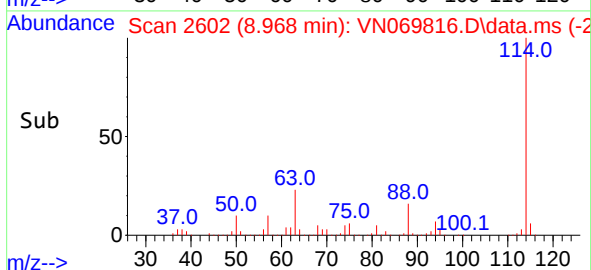
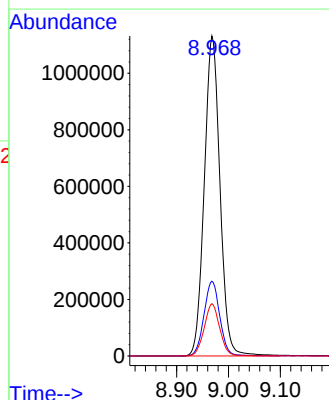
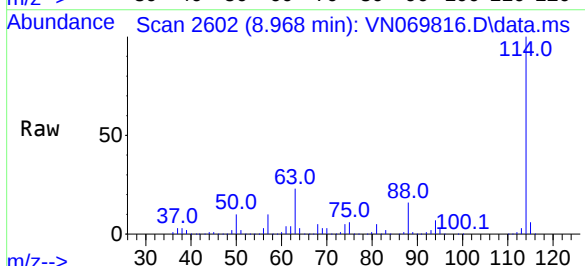
Tgt Ion: 114 Resp: 2373451

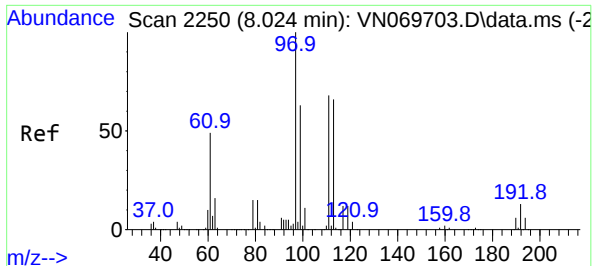
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

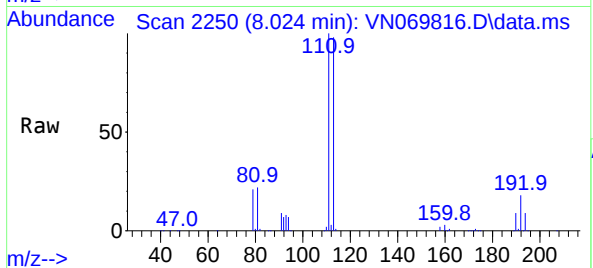
88 16.3 0.0 27.4



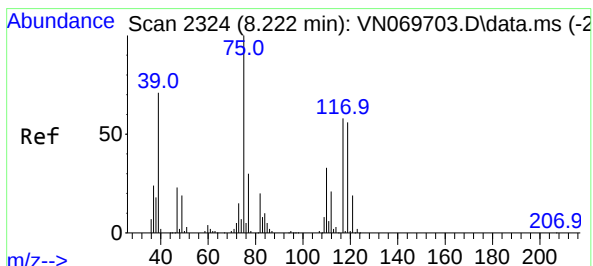
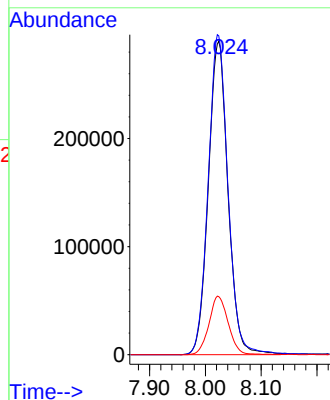
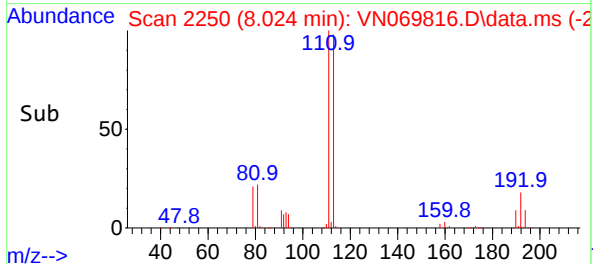


#35
Dibromofluoromethane
Concen: 47.78 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

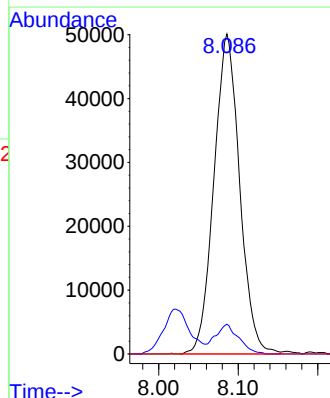
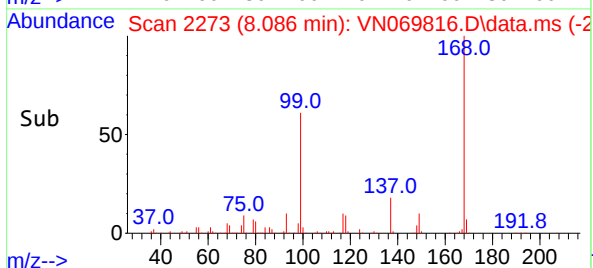
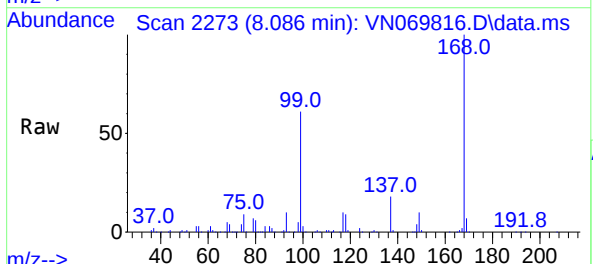


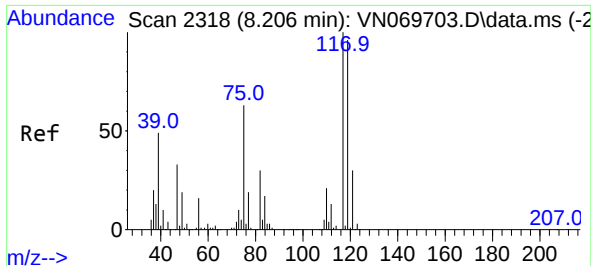
Tgt Ion:113 Resp: 710286
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

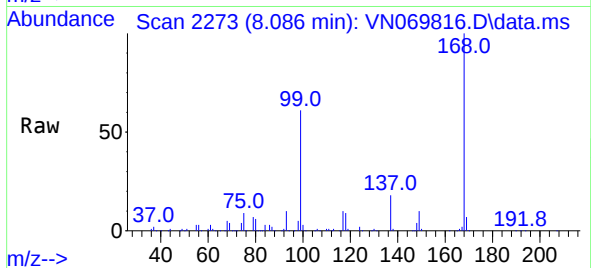
Tgt Ion: 75 Resp: 112622
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



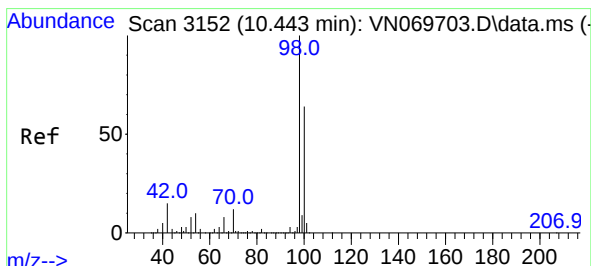
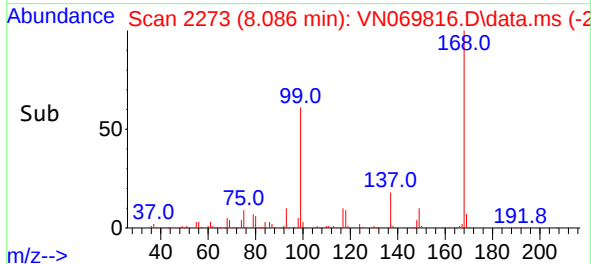
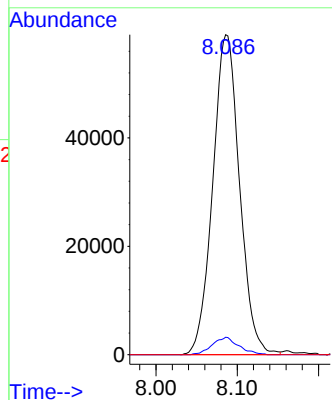


#38
Carbon Tetrachloride
Concen: 6.11 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

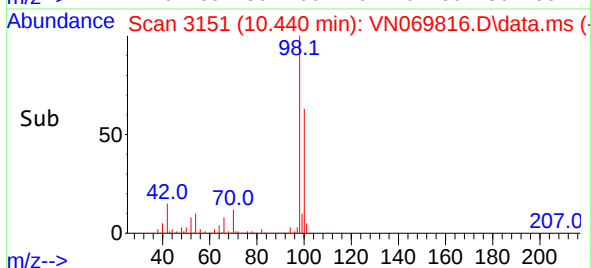
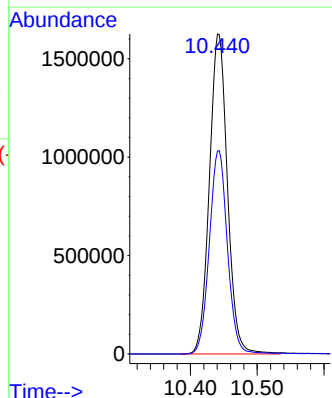
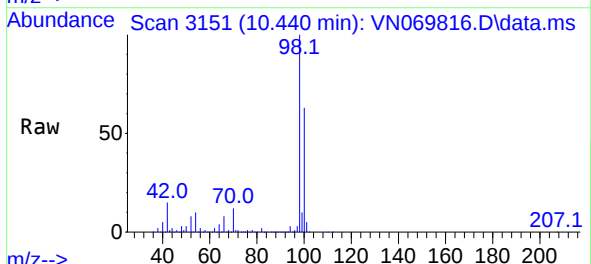


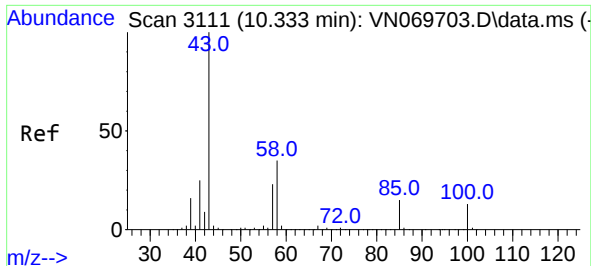
Tgt Ion:117 Resp: 135429
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.16 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 98 Resp: 3054142
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

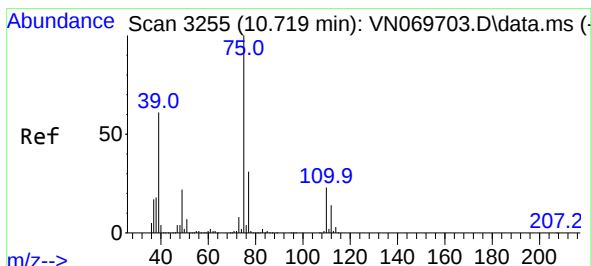
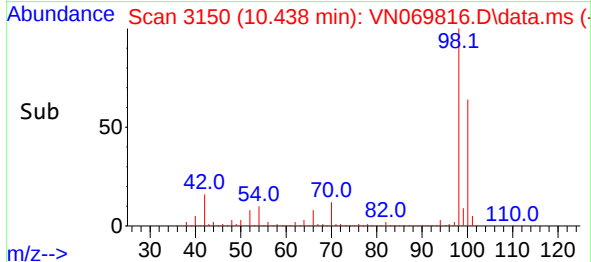
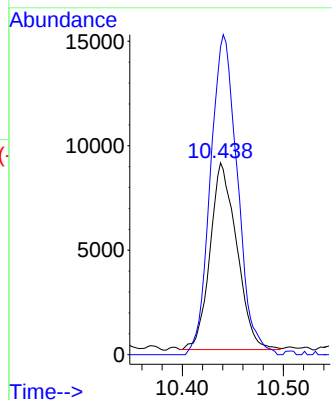
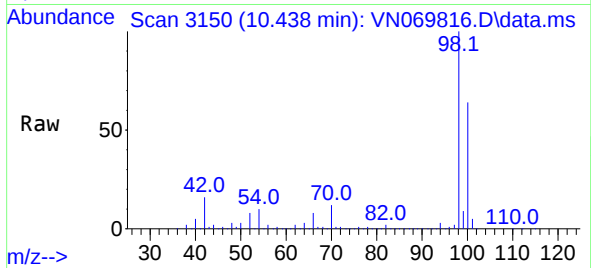




#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 10.438 min Scan# 3111
Delta R.T. 0.105 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

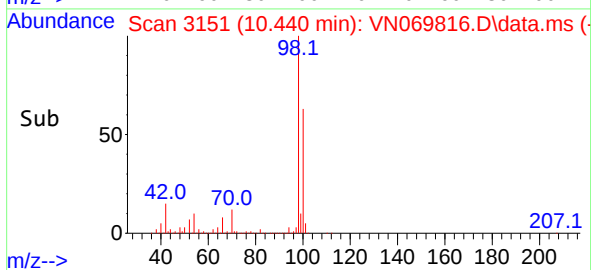
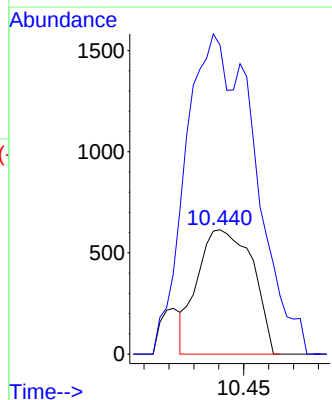
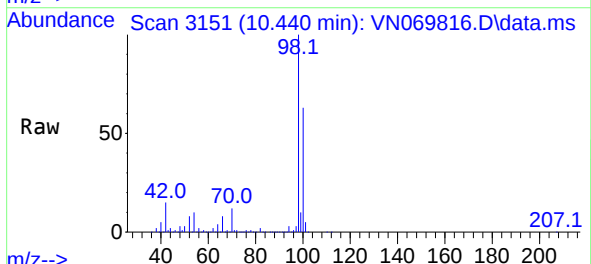
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RE123D3-20211204

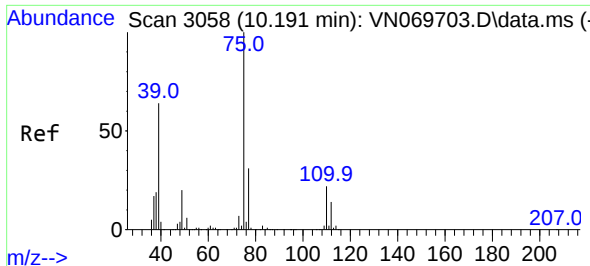
Tgt Ion: 43 Resp: 16406
Ion Ratio Lower Upper
43 100
58 173.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.83 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.279 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

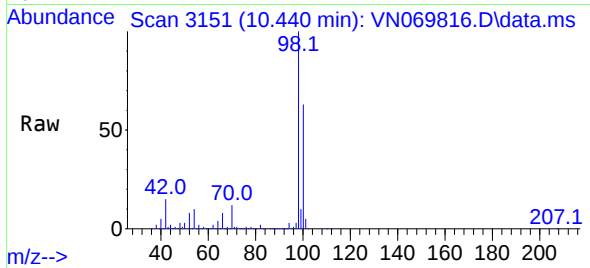
Tgt Ion: 75 Resp: 943
Ion Ratio Lower Upper
75 100
77 202.3 25.6 38.4#





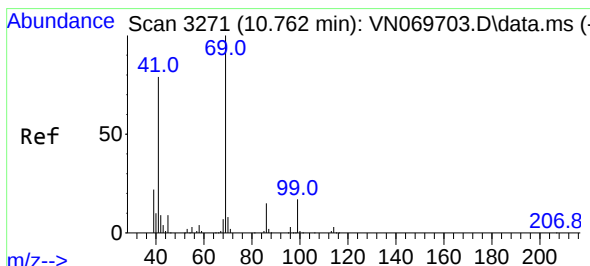
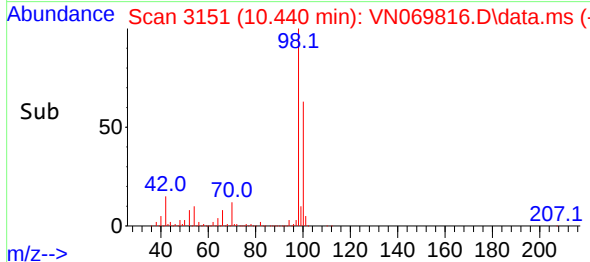
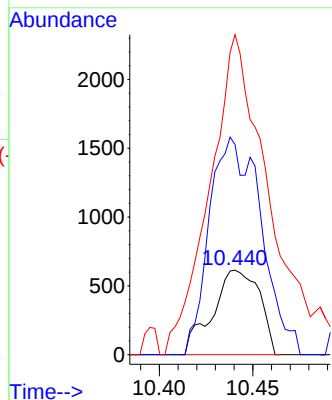
#54
cis-1,3-Dichloropropene
Concen: 2.03 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.249 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204



Tgt Ion: 75 Resp: 1073

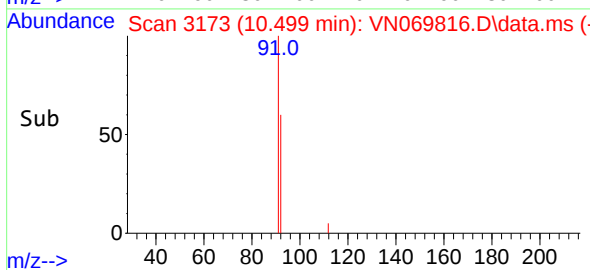
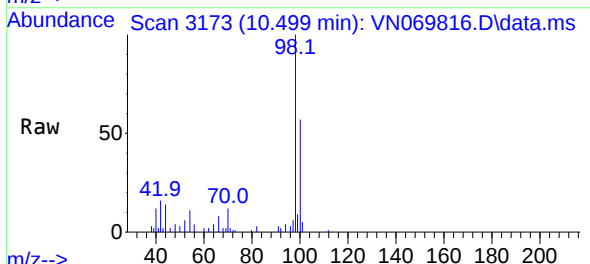
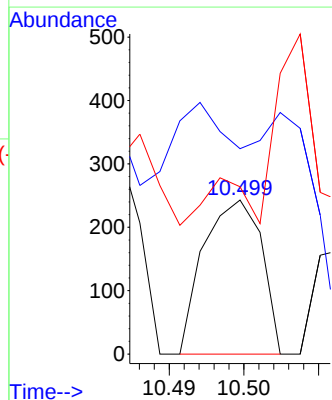
Ion	Ratio	Lower	Upper
75	100		
77	248.7	26.4	39.6#
39	335.3	42.5	63.7#

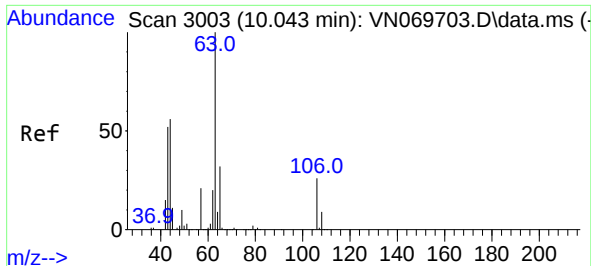


#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.499 min Scan# 3173
Delta R.T. -0.263 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 69 Resp: 131

Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.4	77.0#
39	78.6	34.6	52.0#

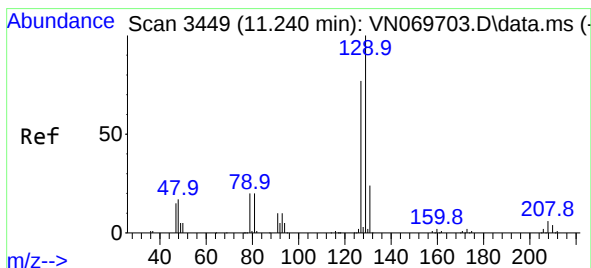
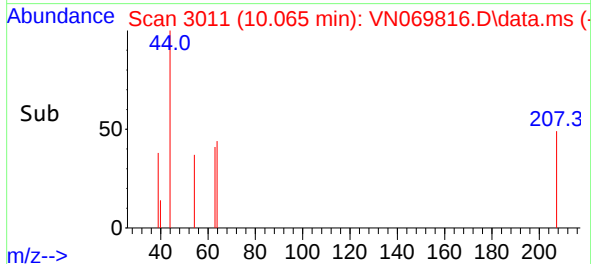
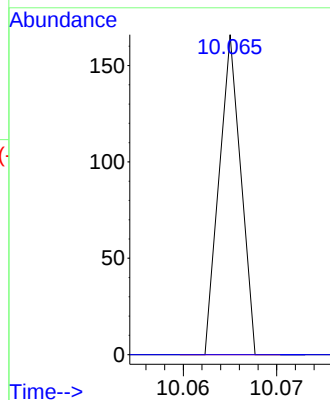
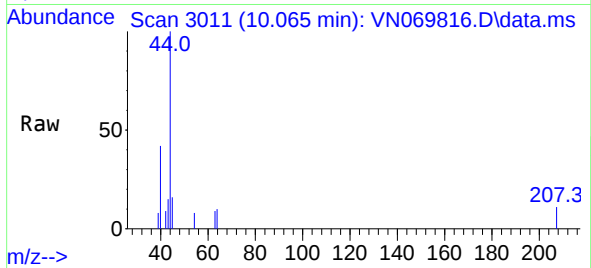




#58
2-Chloroethyl Vinyl ether
Concen: 18.39 ug/l
RT: 10.065 min Scan# 3003
Delta R.T. 0.022 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

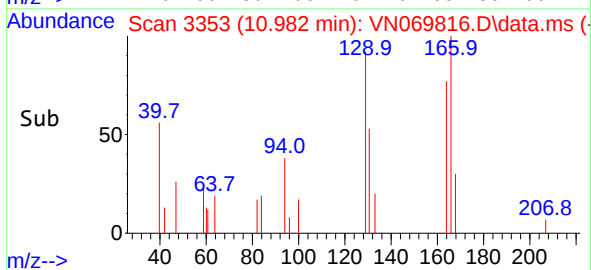
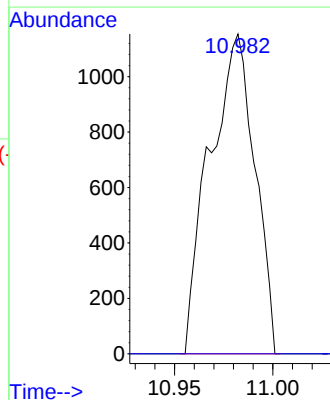
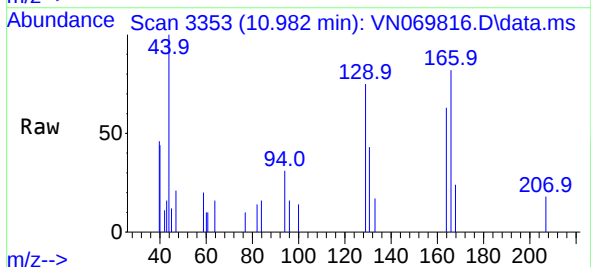
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

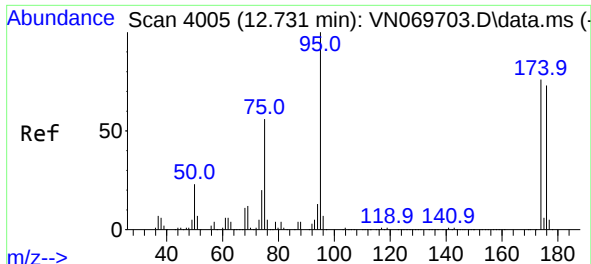
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.47 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 129 Resp: 1836
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

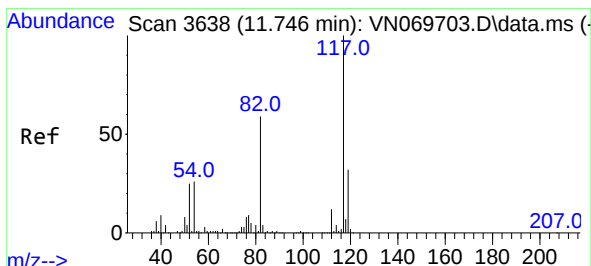
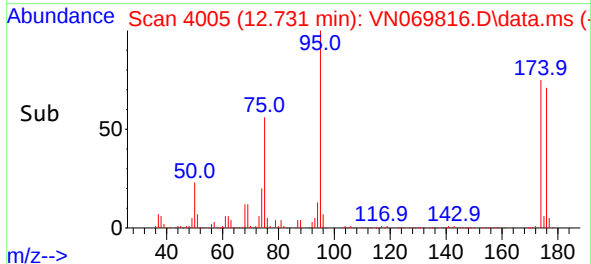
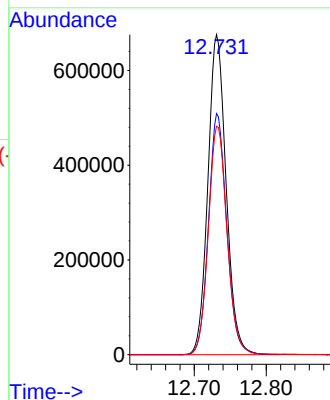
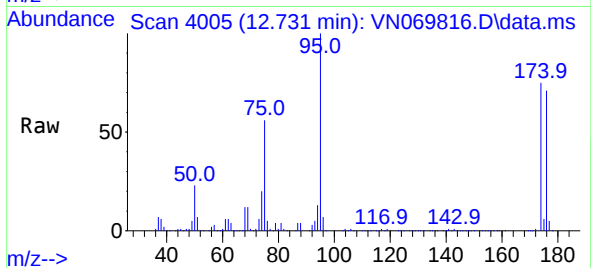




#62
4-Bromofluorobenzene
Concen: 55.11 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

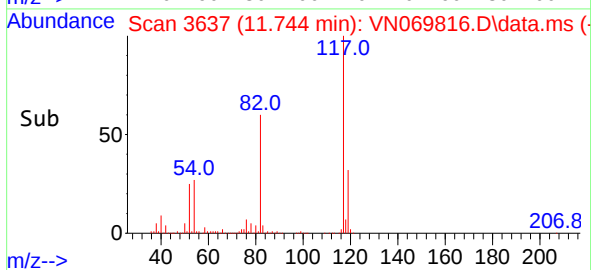
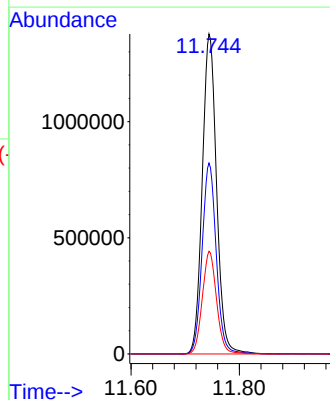
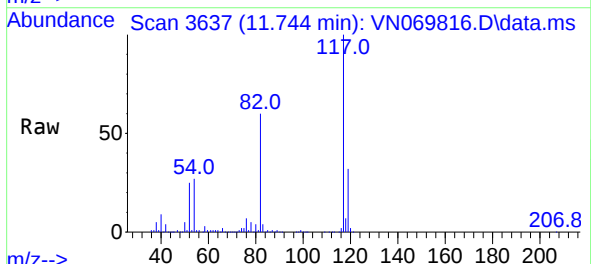
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

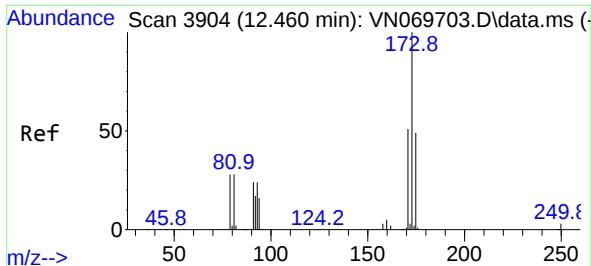
Tgt Ion: 95 Resp: 1191733
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 117 Resp: 2523218
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.1 25.4 38.2

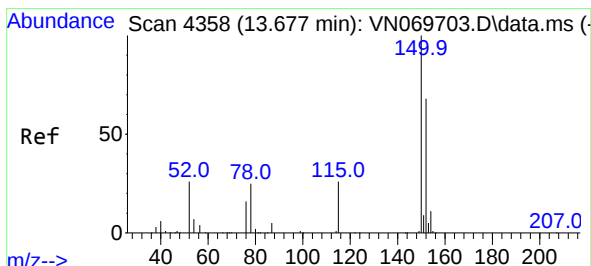
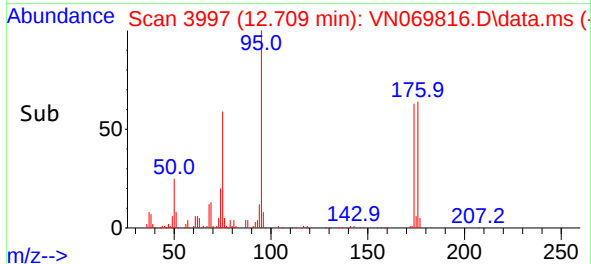
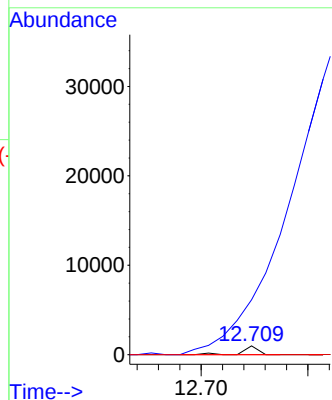
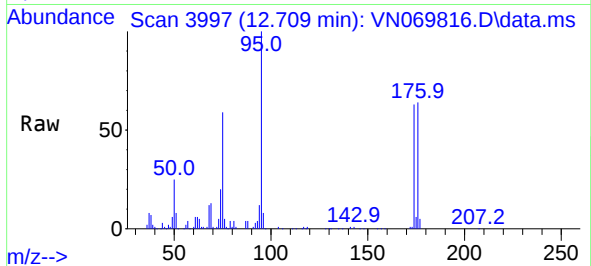




#71
Bromoform
Concen: 2.74 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

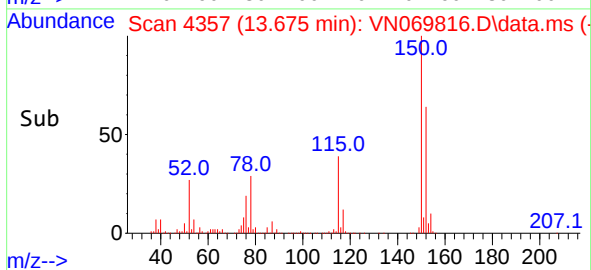
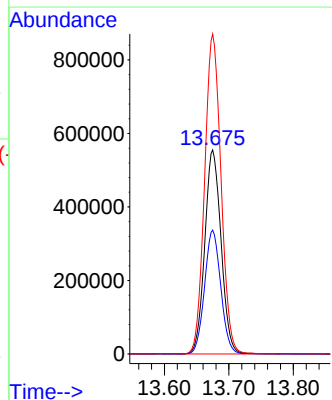
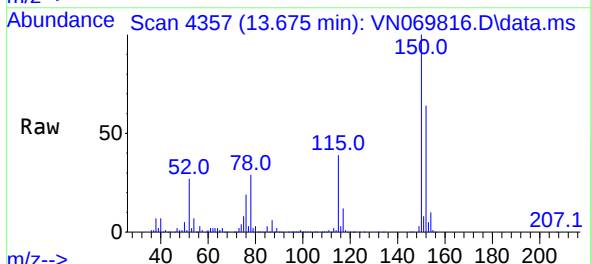
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

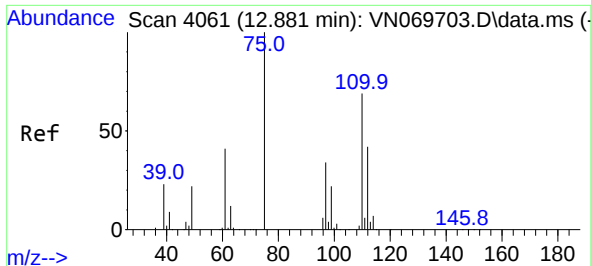
Tgt Ion:173 Resp: 187
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion:152 Resp: 975414
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.5 0.0 344.4

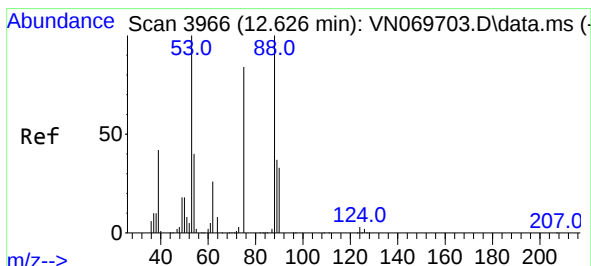
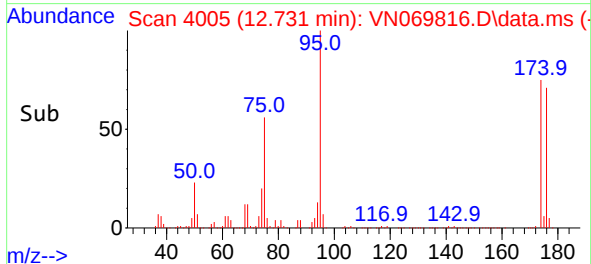
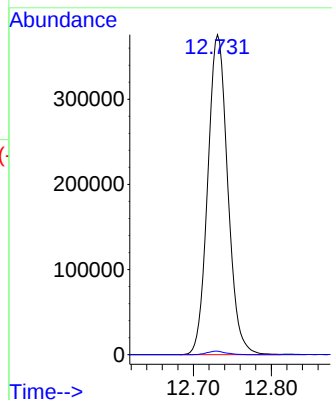
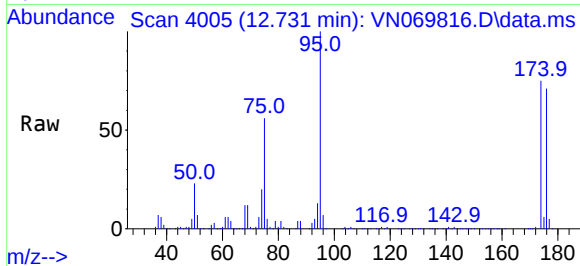




#76
1,2,3-Trichloropropane
Concen: 23.97 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

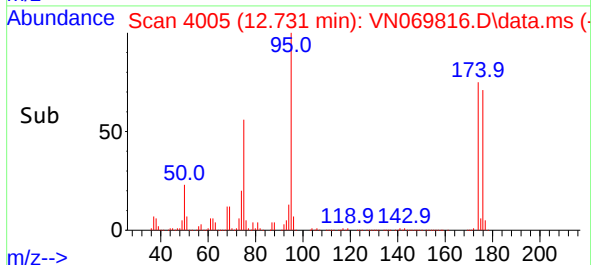
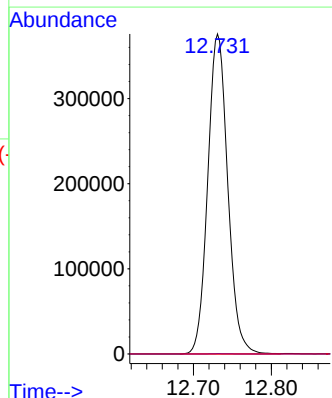
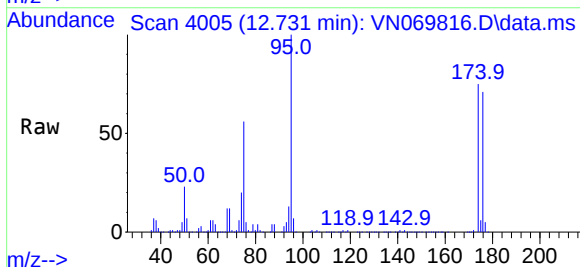
Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20211204

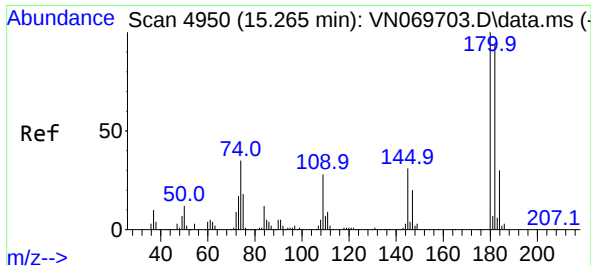
Tgt Ion: 75 Resp: 670544
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.14 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069816.D
Acq: 7 Dec 2021 15:50

Tgt Ion: 75 Resp: 670544
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: 2.89 ug/l

RT: 15.268 min Scan# 4950

Delta R.T. 0.003 min

Lab File: VN069816.D

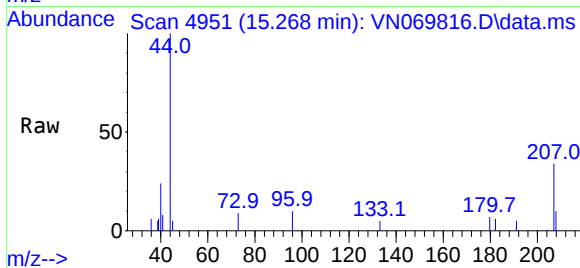
Acq: 7 Dec 2021 15:50

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20211204



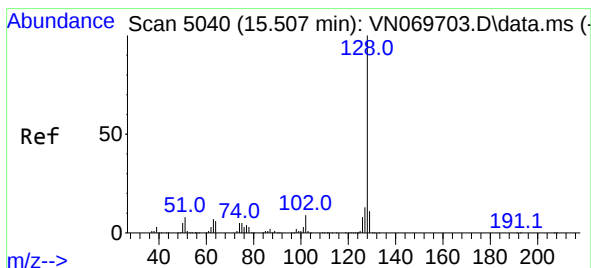
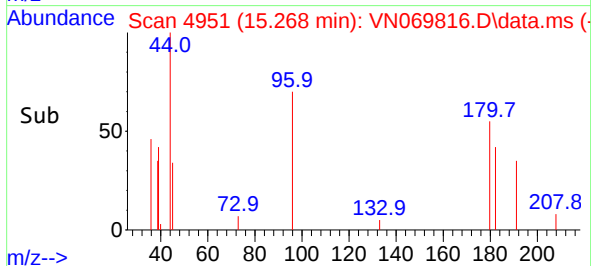
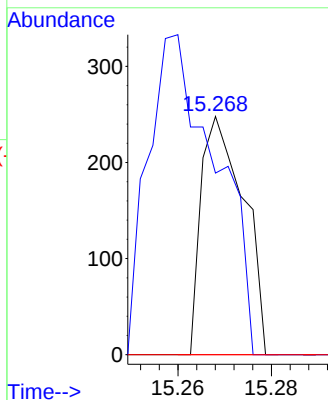
Tgt Ion:180 Resp: 157

Ion Ratio Lower Upper

180 100

182 214.0 48.3 144.9#

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 4.00 ug/l

RT: 15.499 min Scan# 5037

Delta R.T. -0.008 min

Lab File: VN069816.D

Acq: 7 Dec 2021 15:50

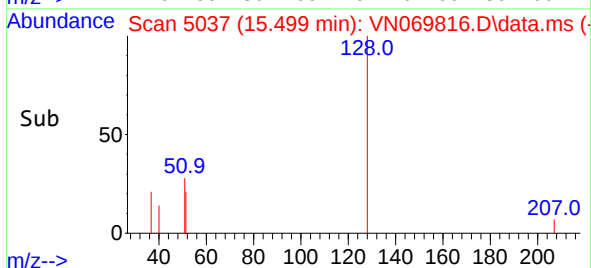
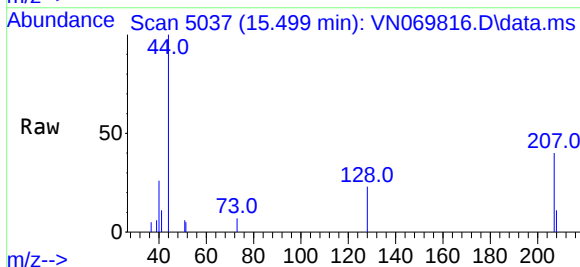
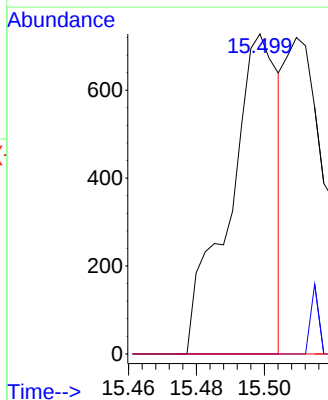
Tgt Ion:128 Resp: 724

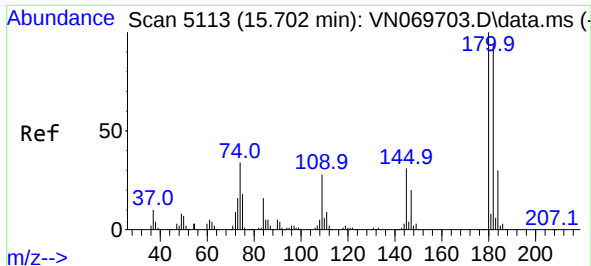
Ion Ratio Lower Upper

128 100

127 3.6 10.5 15.7#

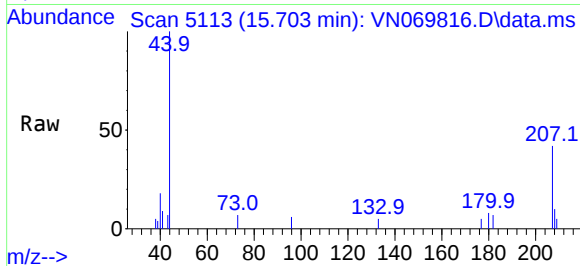
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.44 ug/l
 RT: 15.703 min Scan# 51
 Delta R.T. 0.001 min
 Lab File: VN069816.D
 Acq: 7 Dec 2021 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20211204



Tgt Ion:180 Resp: 148
 Ion Ratio Lower Upper
 180 100
 182 155.4 47.4 142.2#
 145 0.0 15.0 45.1#

