

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069812.D
 Acq On : 7 Dec 2021 14:08
 Operator : JC/MD
 Sample : M4956-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20211202

Quant Time: Dec 08 04:35:14 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

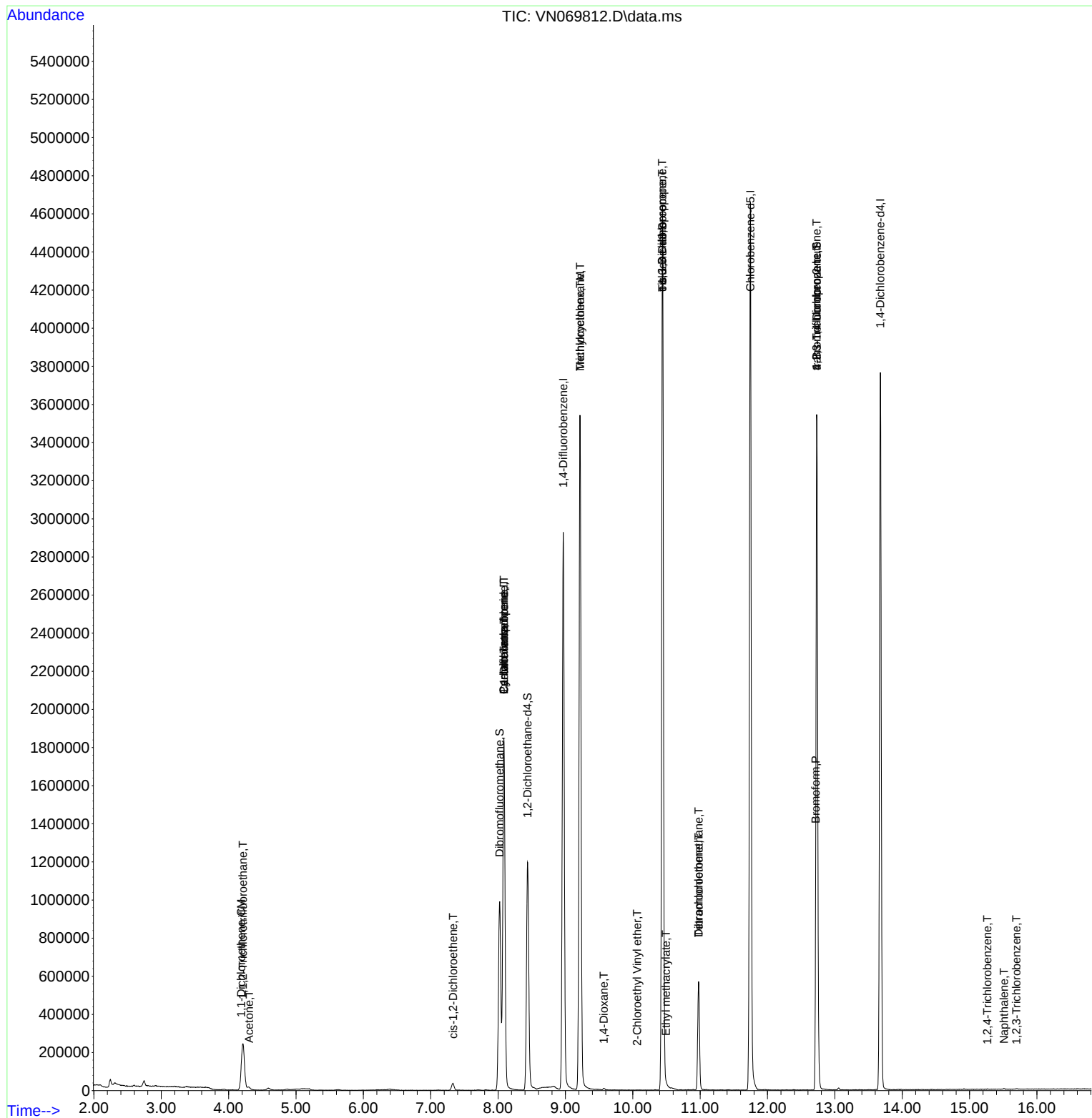
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.085	168	1382052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2467642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2615755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1013567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1045969	49.02	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.04%
35) Dibromofluoromethane	8.024	113	732003	47.36	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.72%
50) Toluene-d8	10.440	98	3165412	51.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.00%
62) 4-Bromofluorobenzene	12.731	95	1232816	54.83	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.66%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.210	101	161417	11.82	ug/l	95
12) 1,1-Dichloroethene	4.189	96	4638	0.35	ug/l	94
16) Acetone	4.304	43	18647	1.45	ug/l	92
27) cis-1,2-Dichloroethene	7.332	96	20536	1.19	ug/l	96
31) Cyclohexane	8.085	56	35390	1.19	ug/l #	24
36) 1,1-Dichloropropene	8.085	75	117294	4.99	ug/l #	49
38) Carbon Tetrachloride	8.085	117	144240	6.26	ug/l #	16
39) Methylcyclohexane	9.217	83	17195	0.62	ug/l #	1
44) Trichloroethene	9.217	130	1237184	72.19	ug/l	92
49) 1,4-Dioxane	9.569	88	3179	7.34	ug/l #	86
53) t-1,3-Dichloropropene	10.438	75	353	2.81	ug/l #	3
54) cis-1,3-Dichloropropene	10.438	75	695	2.02	ug/l #	1
56) Ethyl methacrylate	10.491	69	161	2.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	204	18.41	ug/l #	45
60) Dibromochloromethane	10.977	129	125103	8.66	ug/l #	11
64) Tetrachloroethene	10.977	164	127802	7.21	ug/l	97
71) Bromoform	12.715	173	796	2.78	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	694898	23.91	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	694898	75.95	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	633	2.91	ug/l #	71
95) Naphthalene	15.509	128	3006	4.04	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.697	180	683	2.48	ug/l	72

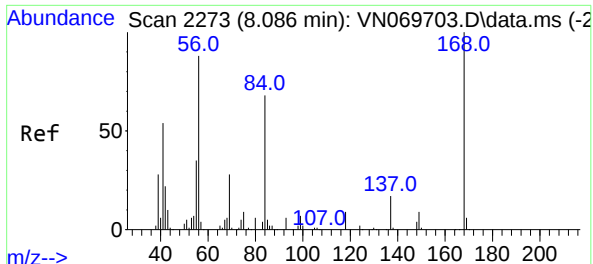
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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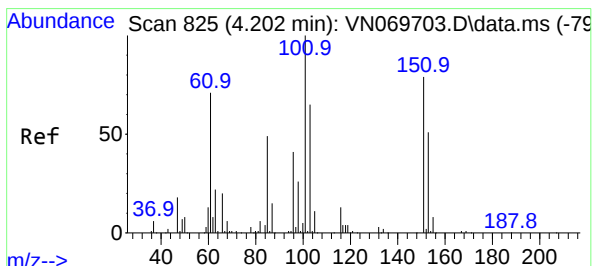
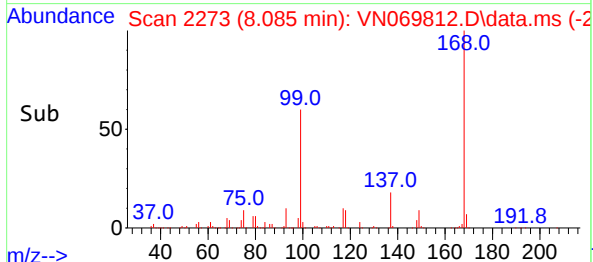
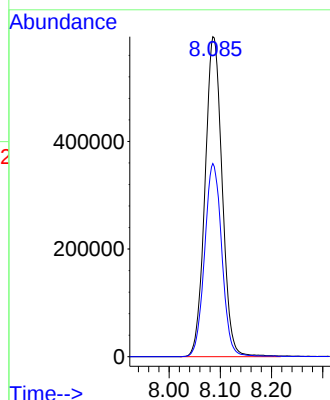
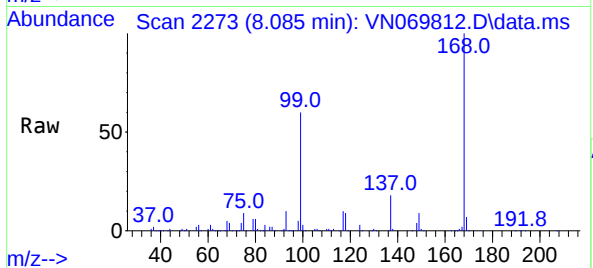




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

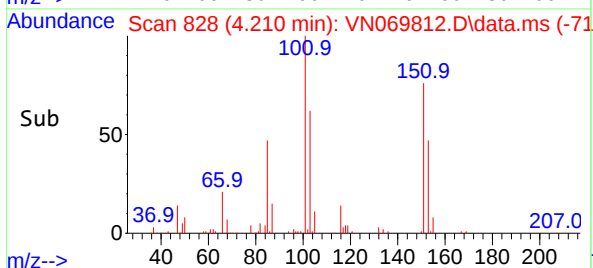
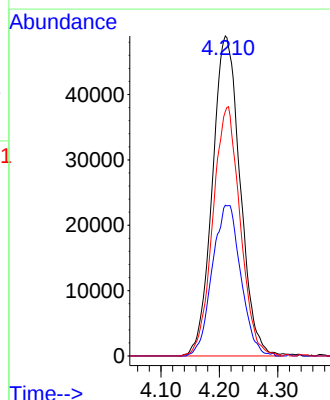
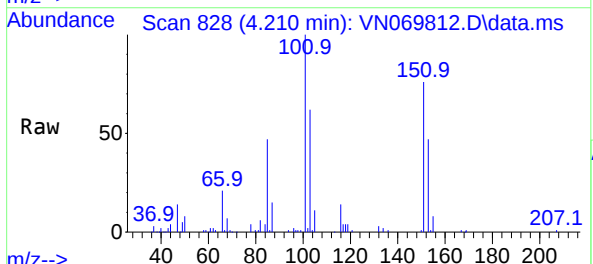
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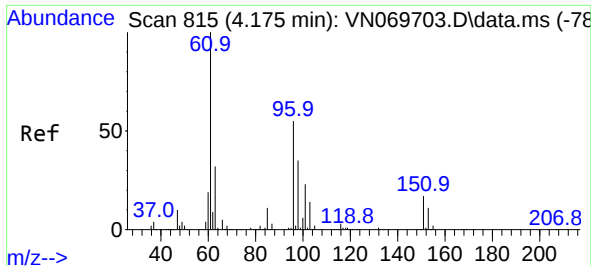
Tgt Ion:168 Resp: 1382052
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.82 ug/l
RT: 4.210 min Scan# 828
Delta R.T. 0.008 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion:101 Resp: 161417
Ion Ratio Lower Upper
101 100
85 48.4 37.2 55.8
151 76.7 65.9 98.9

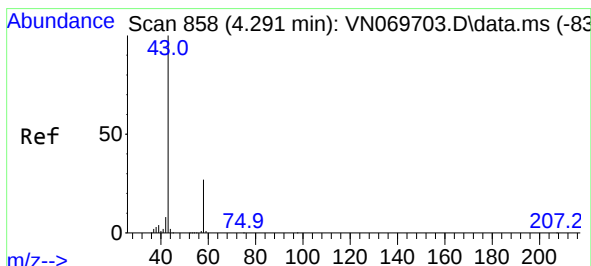
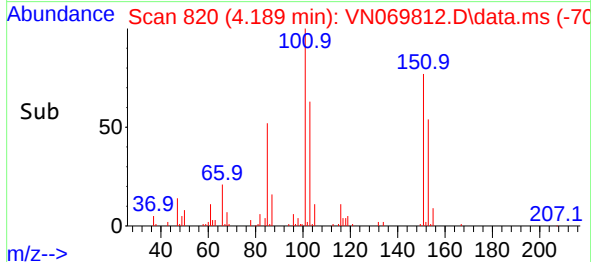
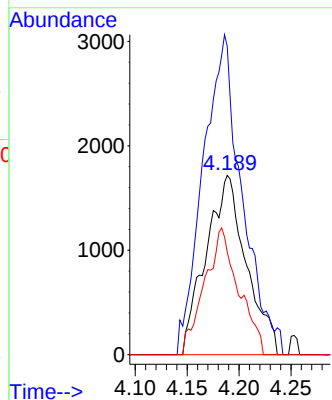
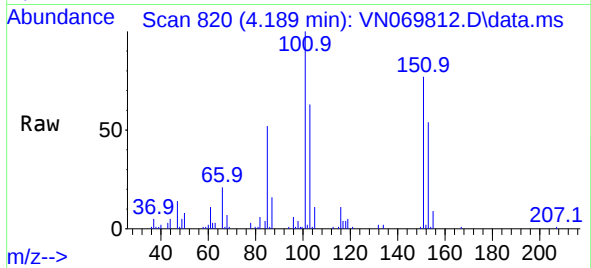




#12
1,1-Dichloroethene
Concen: 0.35 ug/l
RT: 4.189 min Scan# 815
Delta R.T. 0.013 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

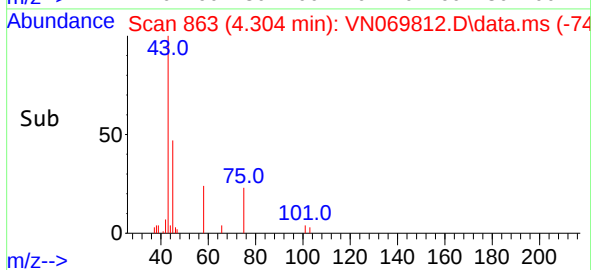
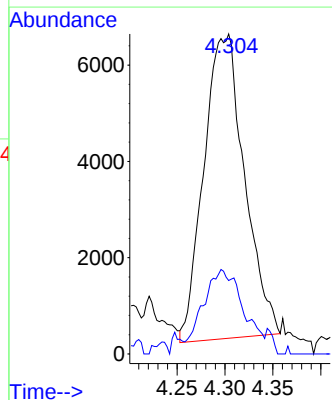
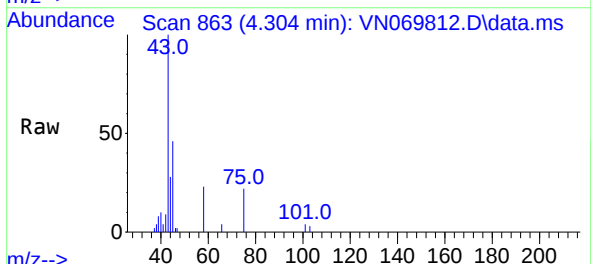
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

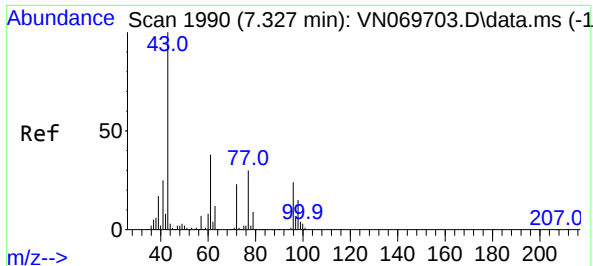
Tgt Ion: 96 Resp: 4638
Ion Ratio Lower Upper
96 100
61 158.3 131.0 196.6
98 57.3 52.4 78.6



#16
Acetone
Concen: 1.45 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 43 Resp: 18647
Ion Ratio Lower Upper
43 100
58 24.5 23.1 34.7

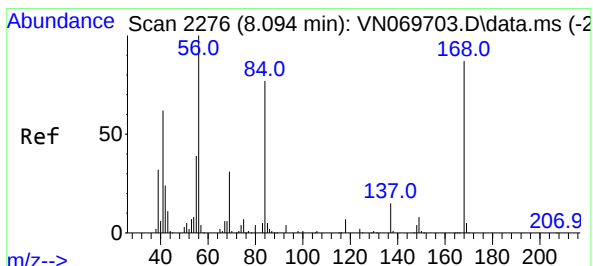
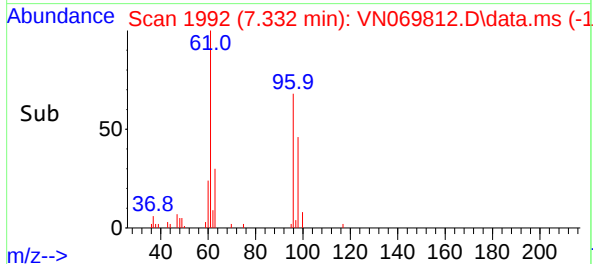
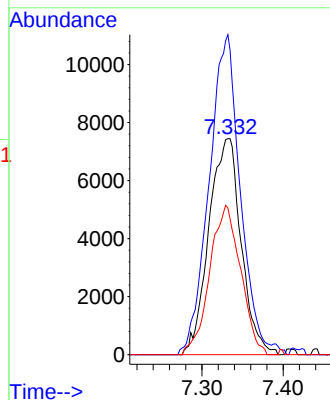
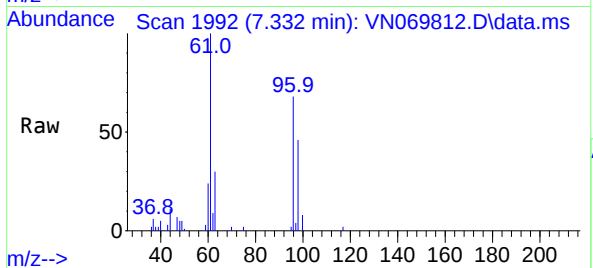




#27
 cis-1,2-Dichloroethene
 Concen: 1.19 ug/l
 RT: 7.332 min Scan# 1990
 Delta R.T. 0.005 min
 Lab File: VN069812.D
 Acq: 7 Dec 2021 14:08

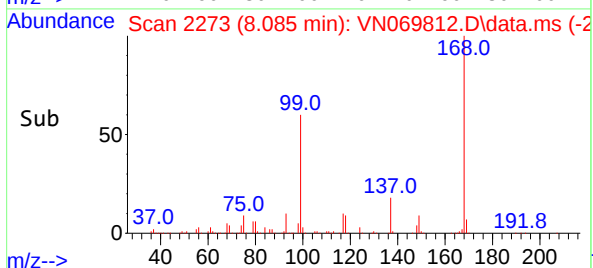
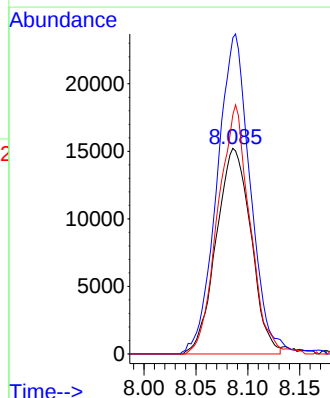
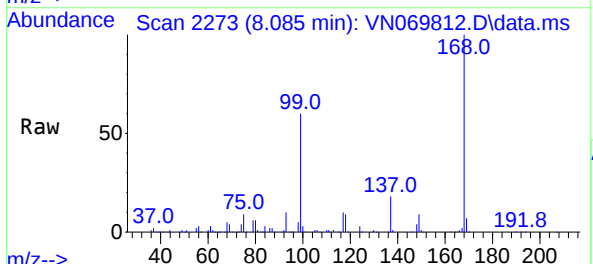
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20211202

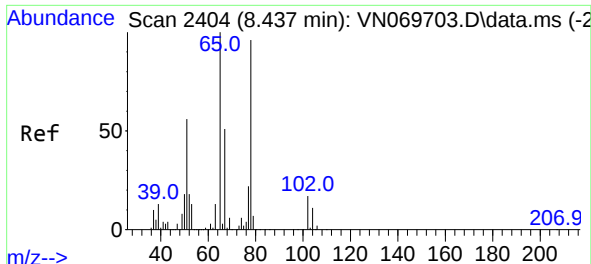
Tgt Ion:	96	Resp:	20536
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	275.0
98	66.2	0.0	129.6



#31
 Cyclohexane
 Concen: 1.19 ug/l
 RT: 8.085 min Scan# 2273
 Delta R.T. -0.008 min
 Lab File: VN069812.D
 Acq: 7 Dec 2021 14:08

Tgt Ion:	56	Resp:	35390
Ion	Ratio	Lower	Upper
56	100		
69	153.8	27.1	40.7#
84	116.4	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.02 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069812.D

Acq: 7 Dec 2021 14:08

Instrument :

MSVOA_N

ClientSampleId :

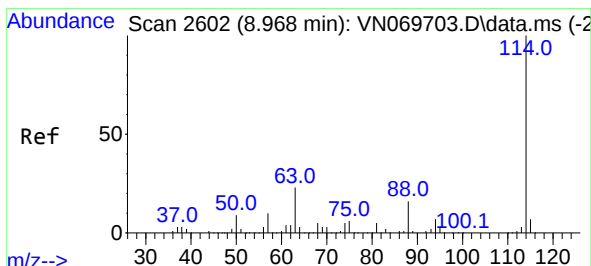
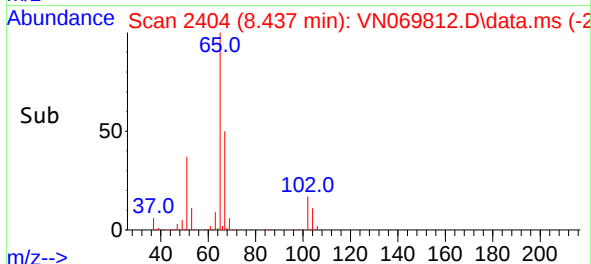
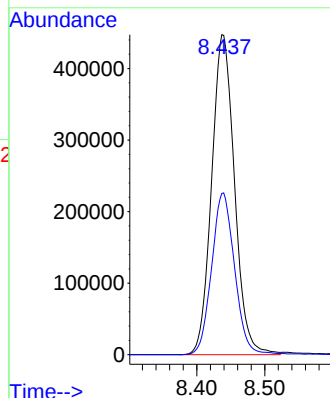
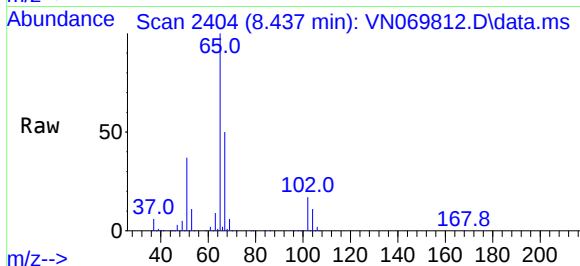
RE134D2-20211202

Tgt Ion: 65 Resp: 1045969

Ion Ratio Lower Upper

65 100

67 50.8 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: VN069812.D

Acq: 7 Dec 2021 14:08

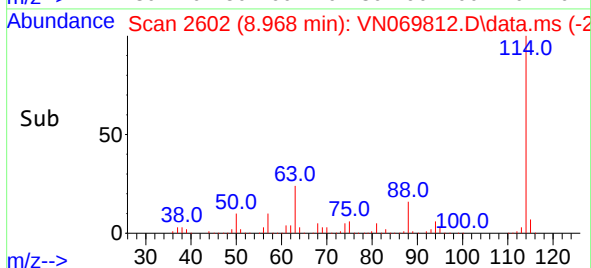
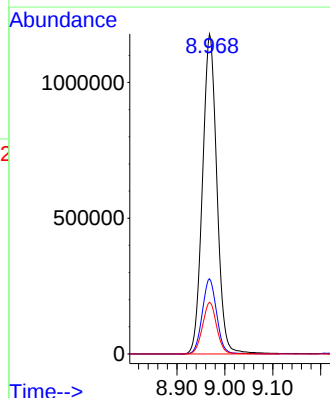
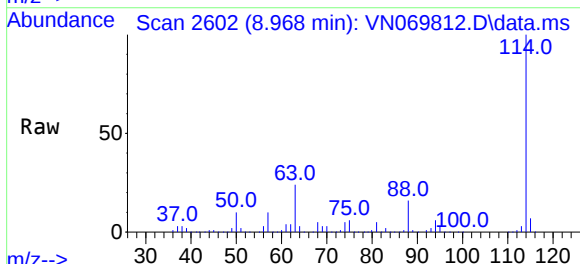
Tgt Ion: 114 Resp: 2467642

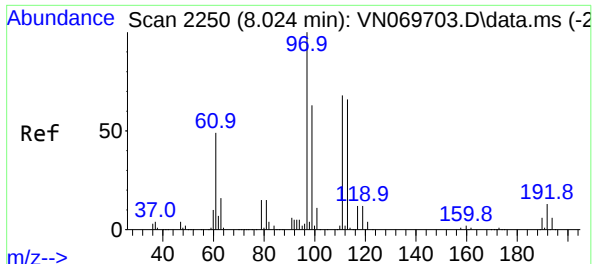
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.1 0.0 27.4

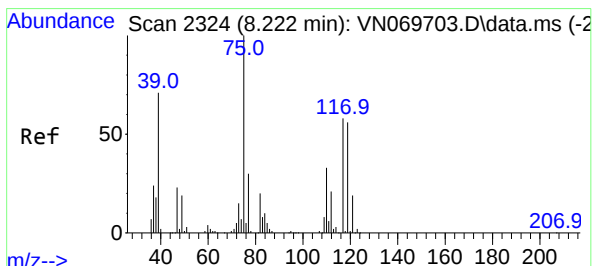
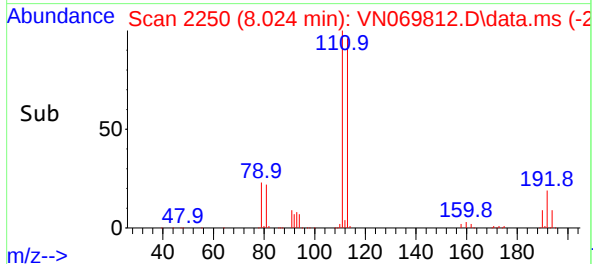
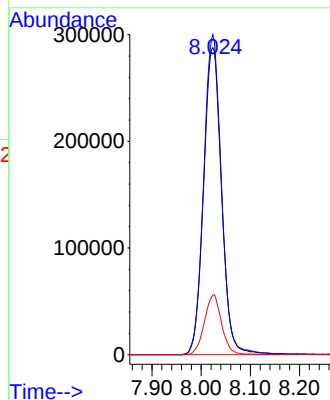
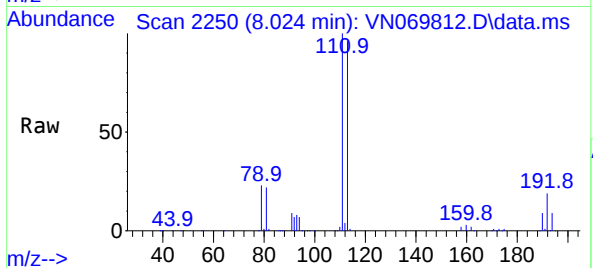




#35
Dibromofluoromethane
Concen: 47.36 ug/l
RT: 8.024 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

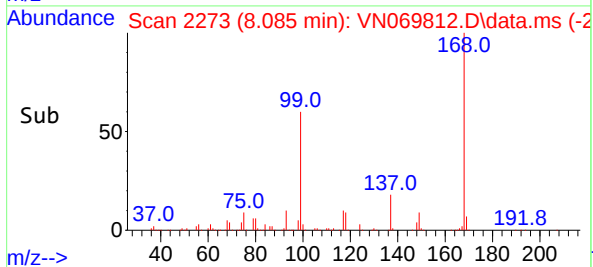
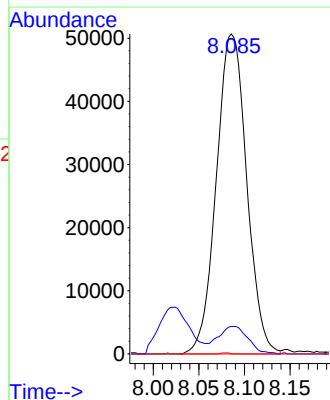
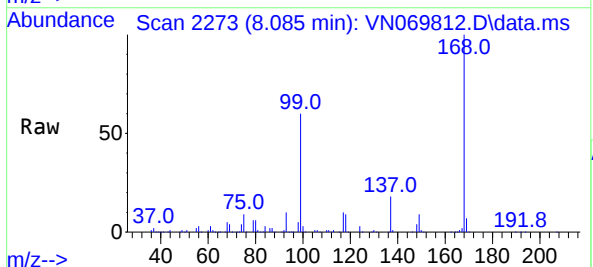
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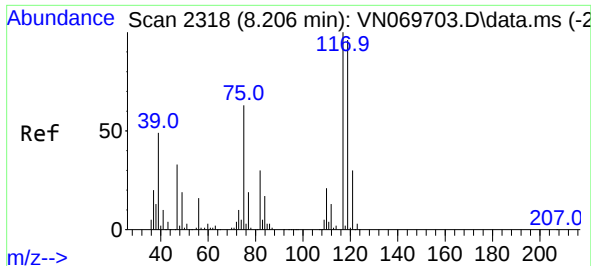
Tgt Ion:113 Resp: 732003
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.99 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

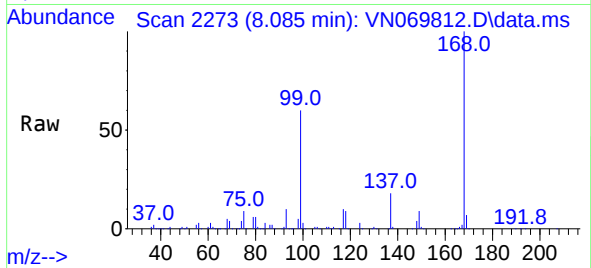
Tgt Ion: 75 Resp: 117294
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.1 24.4 36.6#



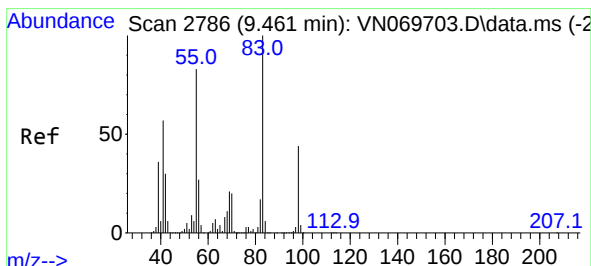
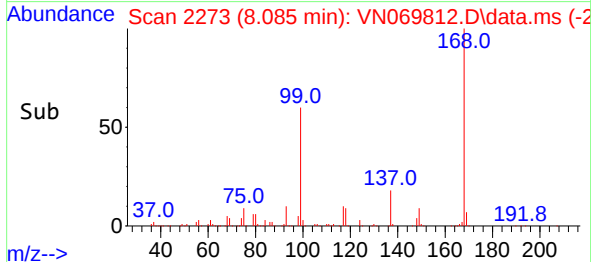
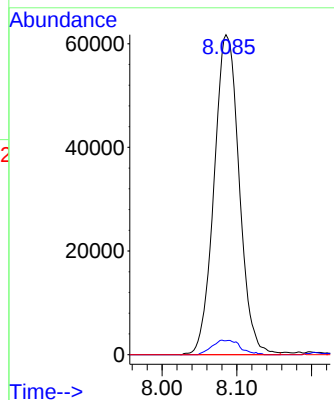


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

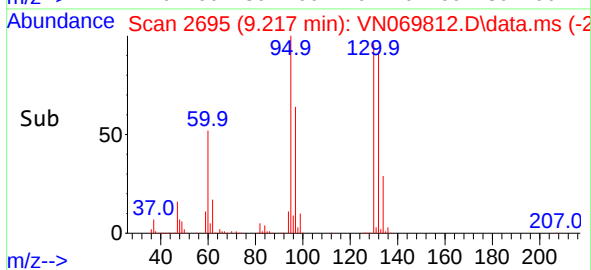
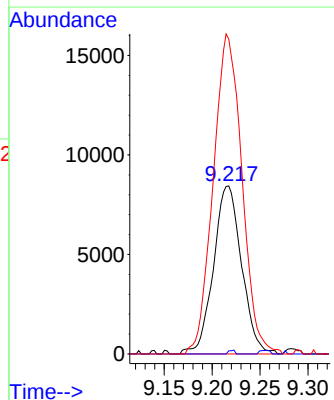
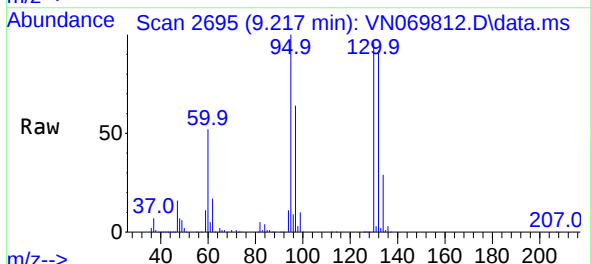


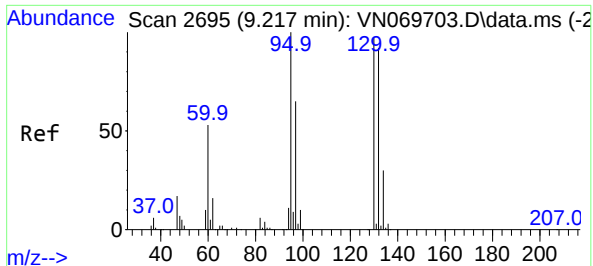
Tgt Ion:117 Resp: 144240
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.62 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 83 Resp: 17195
Ion Ratio Lower Upper
83 100
55 1.9 58.1 87.1#
98 187.3 38.4 57.6#

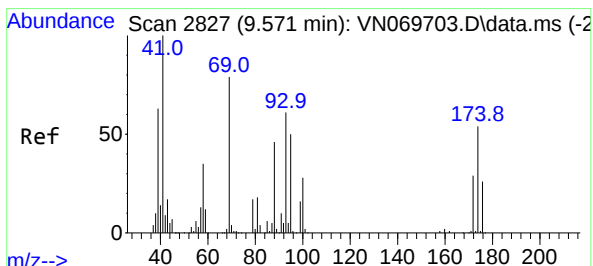
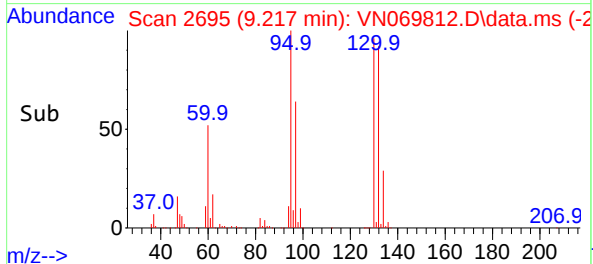
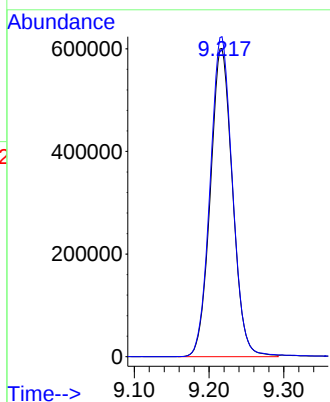
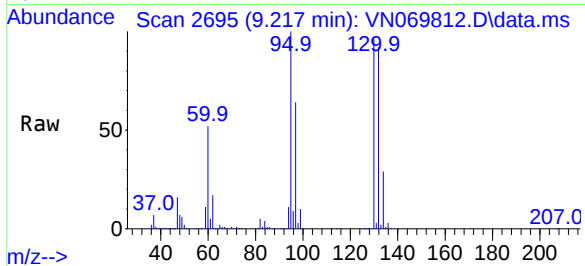




#44
Trichloroethene
Concen: 72.19 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

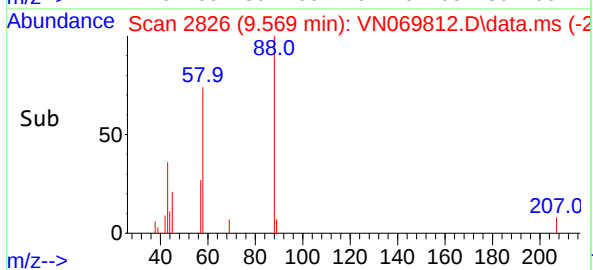
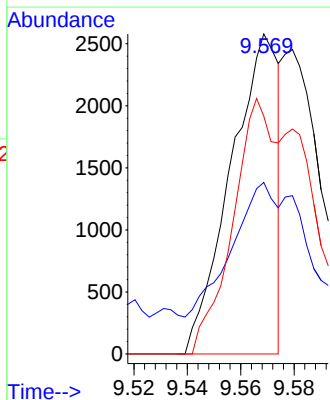
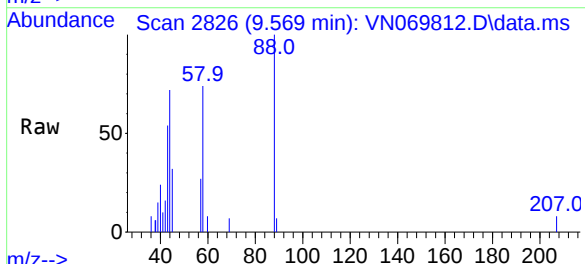
Instrument :
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RE134D2-20211202

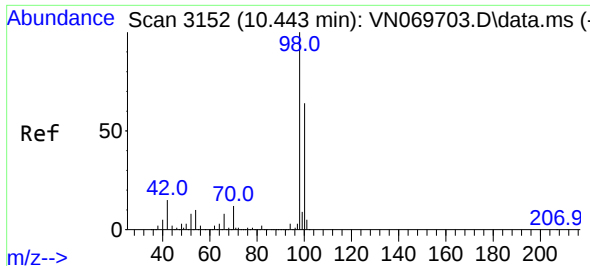
Tgt Ion:130 Resp: 1237184
Ion Ratio Lower Upper
130 100
95 103.8 0.0 191.2



#49
1,4-Dioxane
Concen: 7.34 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.003 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 88 Resp: 3179
Ion Ratio Lower Upper
88 100
43 39.4 23.4 35.2#
58 72.4 50.6 75.8

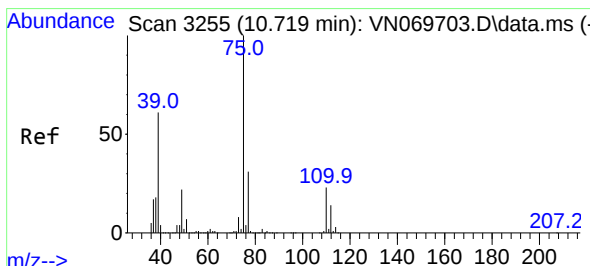
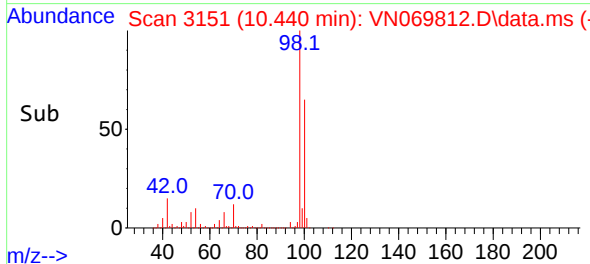
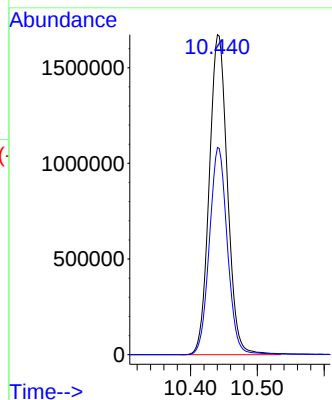
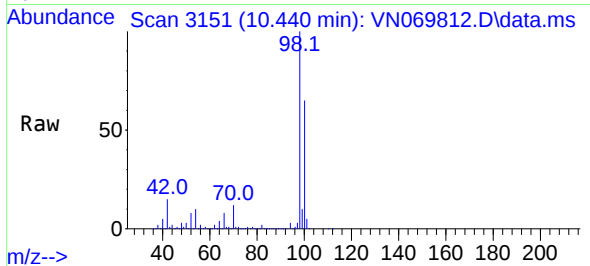




#50
Toluene-d8
Concen: 51.00 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

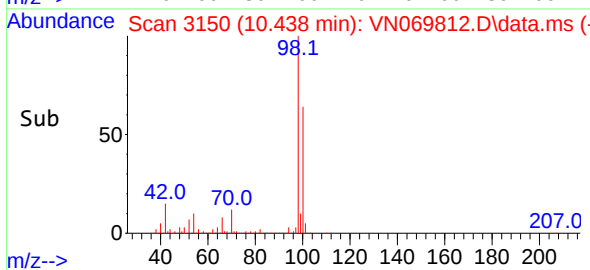
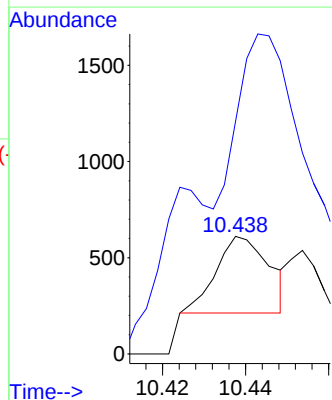
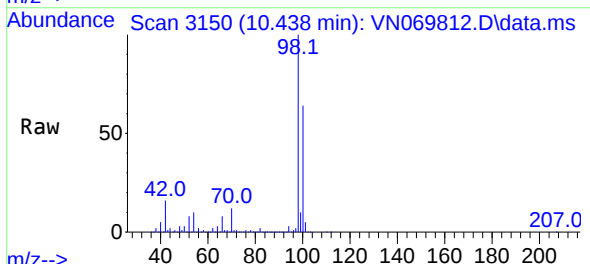
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

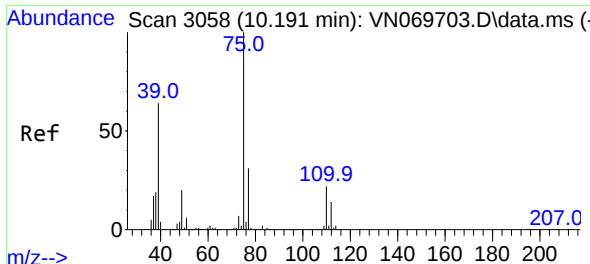
Tgt Ion: 98 Resp: 3165412
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.81 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.281 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

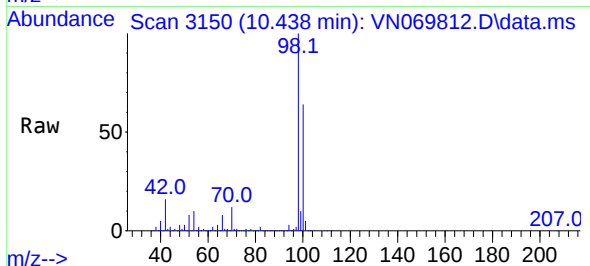
Tgt Ion: 75 Resp: 353
Ion Ratio Lower Upper
75 100
77 86.2 25.6 38.4#



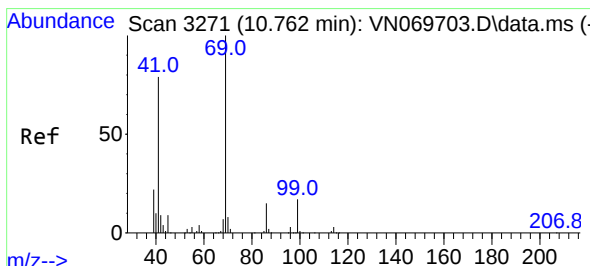
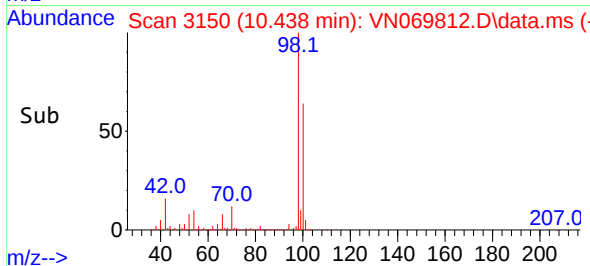
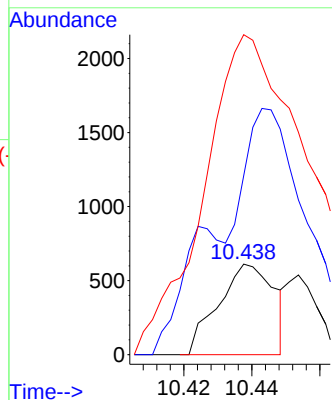


#54
cis-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.438 min Scan# 3100
Delta R.T. 0.247 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

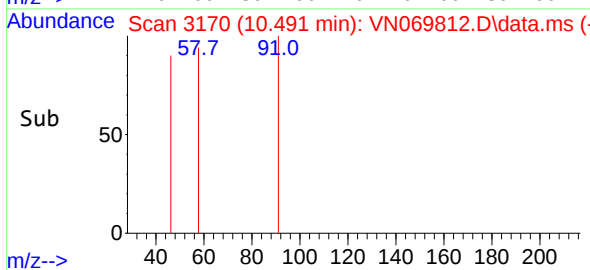
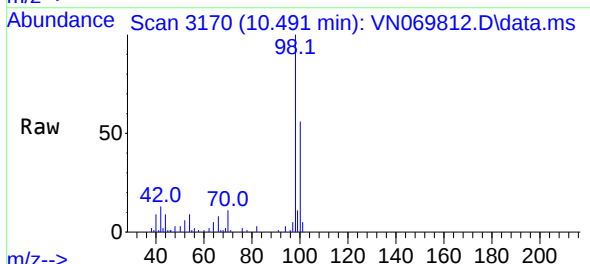
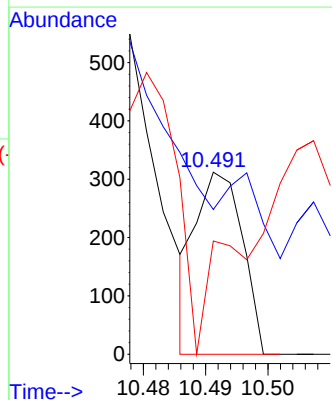


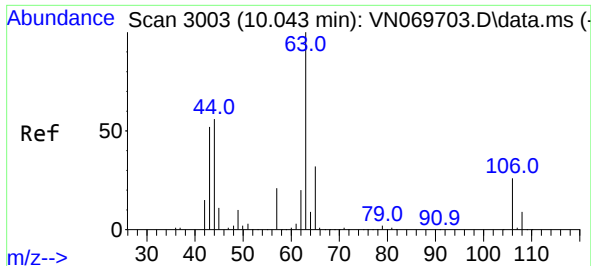
Tgt Ion: 75 Resp: 695
Ion Ratio Lower Upper
75 100
77 127.0 26.4 39.6#
39 269.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.491 min Scan# 3170
Delta R.T. -0.271 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 69 Resp: 161
Ion Ratio Lower Upper
69 100
41 84.5 51.4 77.0#
39 227.3 34.6 52.0#

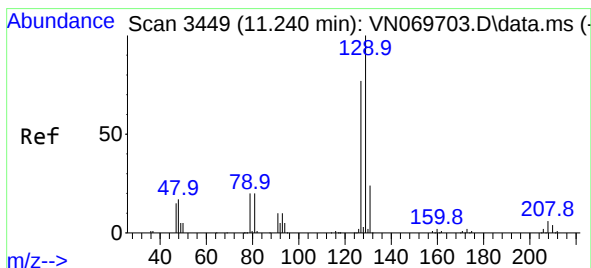
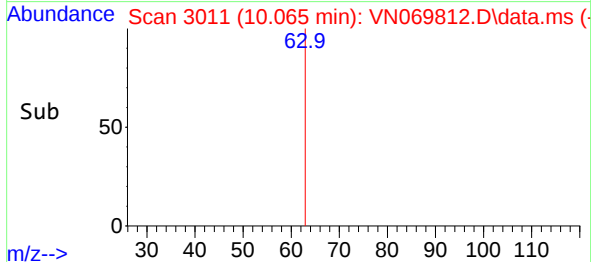
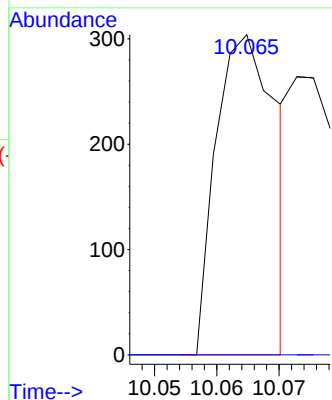
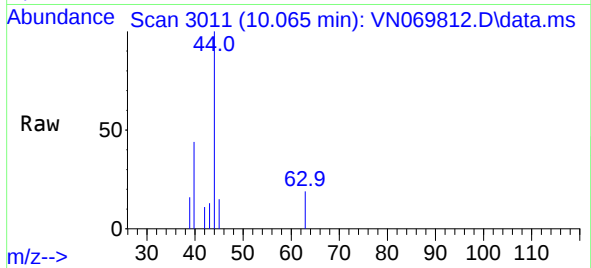




#58
2-Chloroethyl Vinyl ether
Concen: 18.41 ug/l
RT: 10.065 min Scan# 3003
Delta R.T. 0.022 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

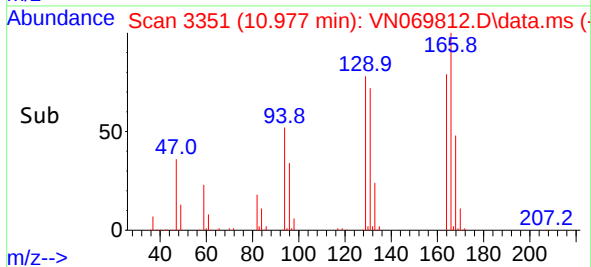
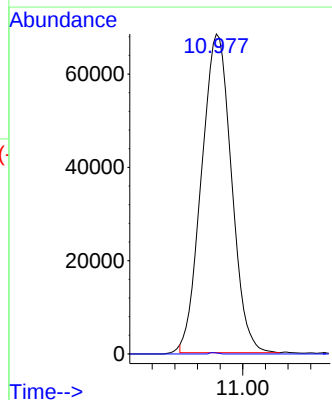
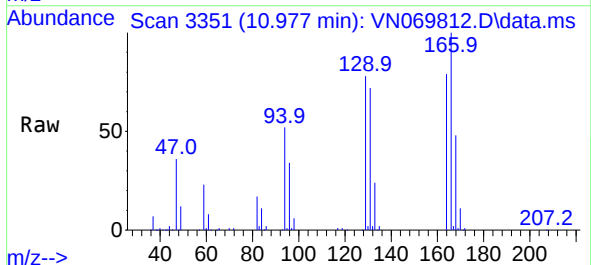
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

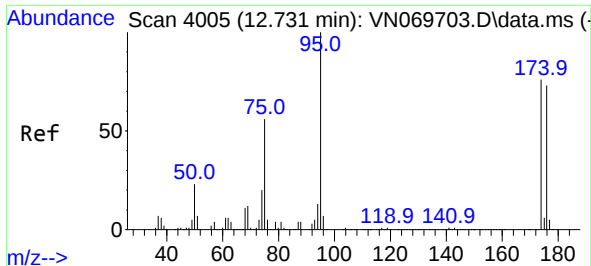
Tgt Ion: 63 Resp: 204
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 8.66 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 129 Resp: 125103
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#

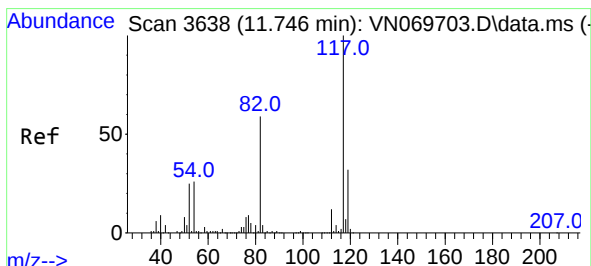
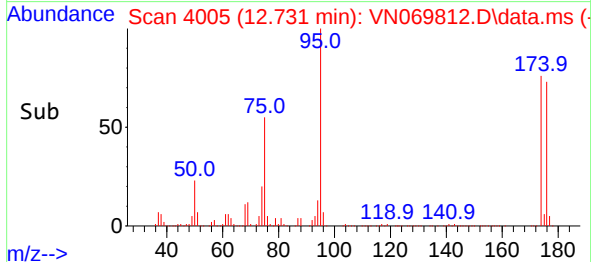
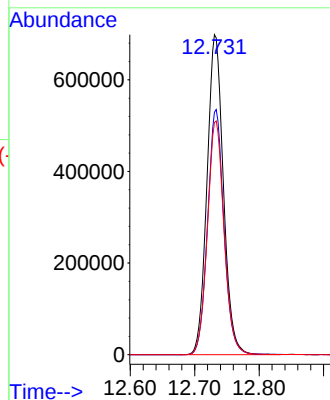
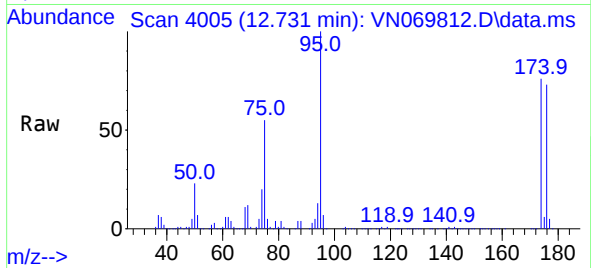




#62
4-Bromofluorobenzene
Concen: 54.83 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

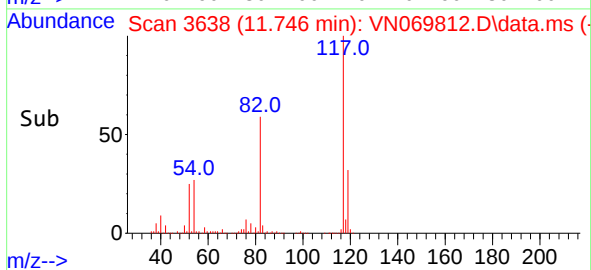
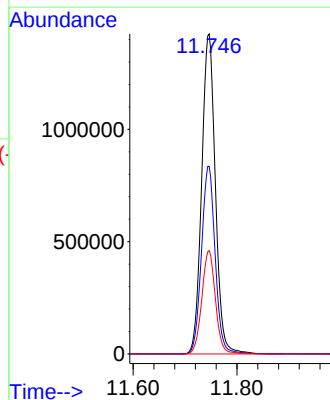
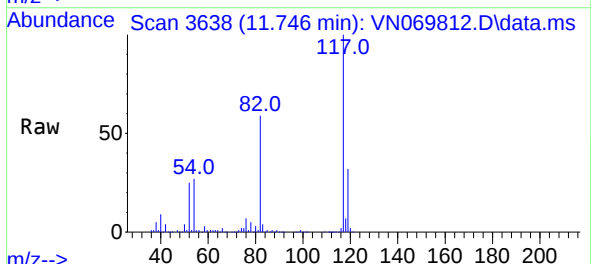
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

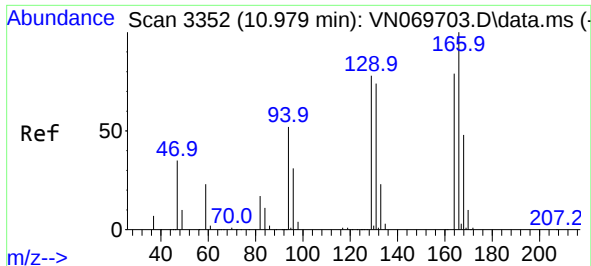
Tgt Ion: 95 Resp: 1232816
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

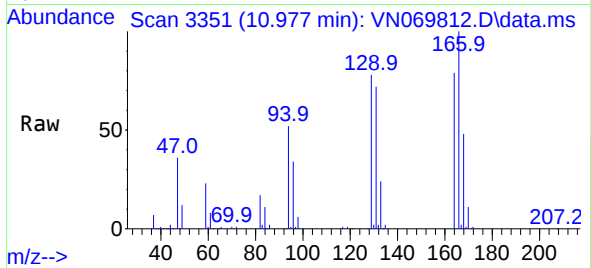
Tgt Ion: 117 Resp: 2615755
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 32.3 25.4 38.2



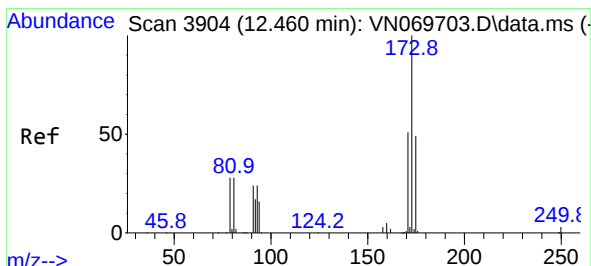
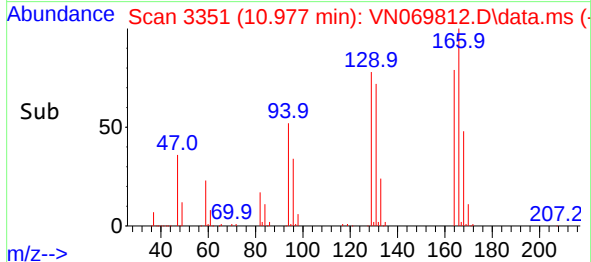
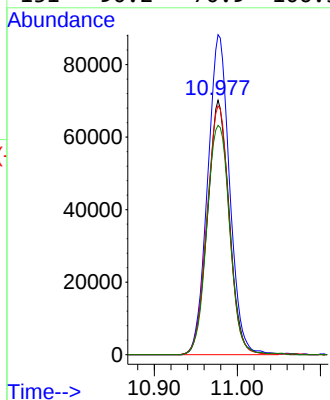


#64
Tetrachloroethene
Concen: 7.21 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

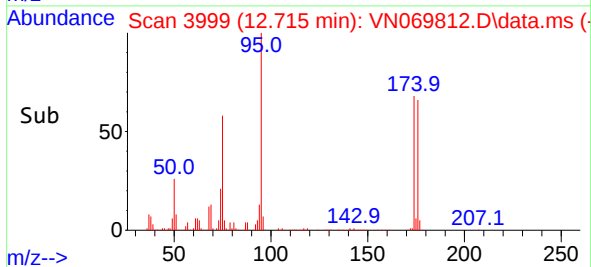
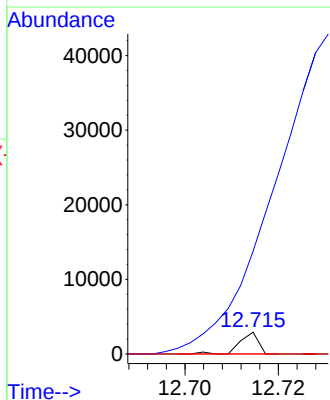
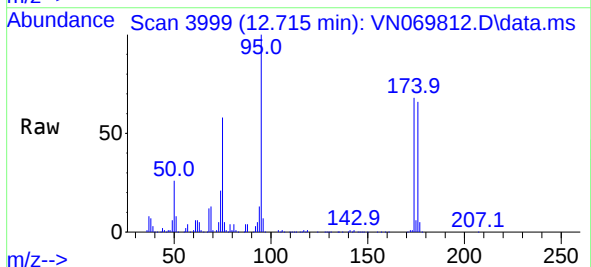


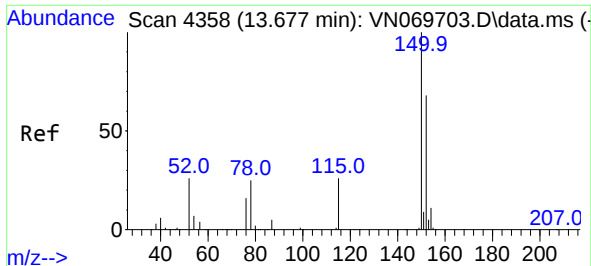
Tgt Ion:164 Resp: 127802
Ion Ratio Lower Upper
164 100
166 125.8 101.9 152.9
129 97.8 72.0 108.0
131 90.2 70.9 106.3



#71
Bromoform
Concen: 2.78 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion:173 Resp: 796
Ion Ratio Lower Upper
173 100
175 8690.3 24.2 72.6#
254 0.0 0.0 0.0

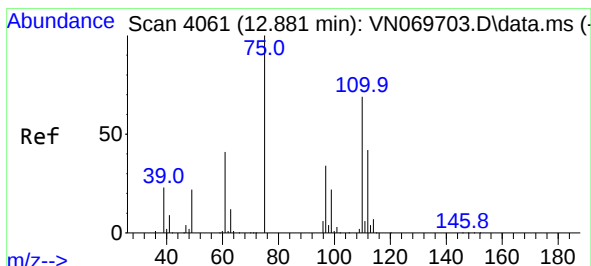
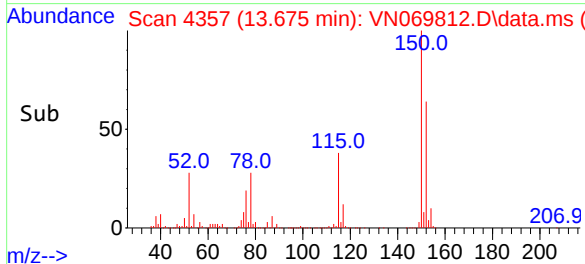
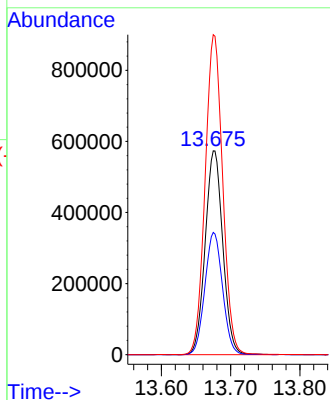
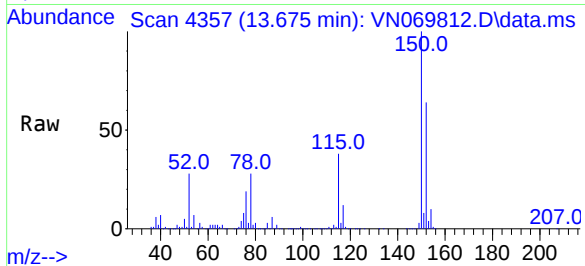




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

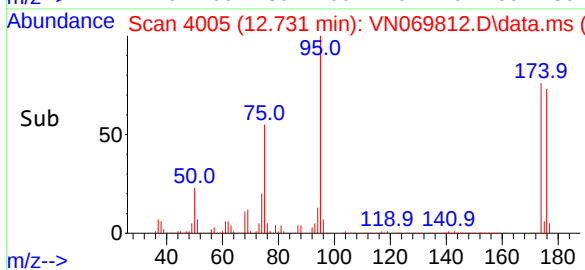
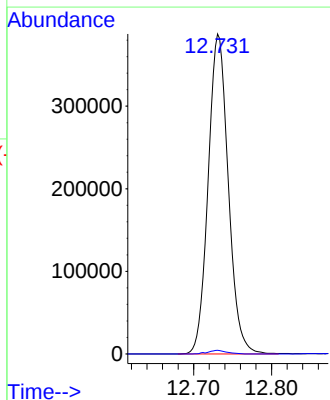
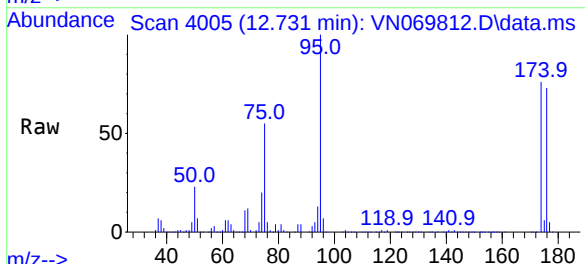
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

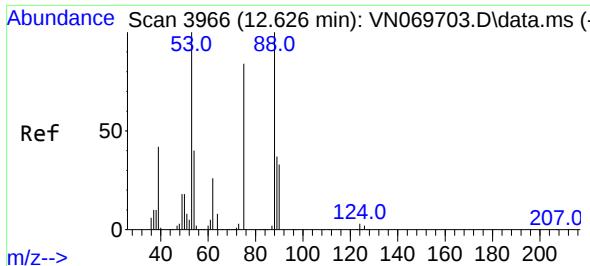
Tgt Ion:152 Resp: 1013567
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.91 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

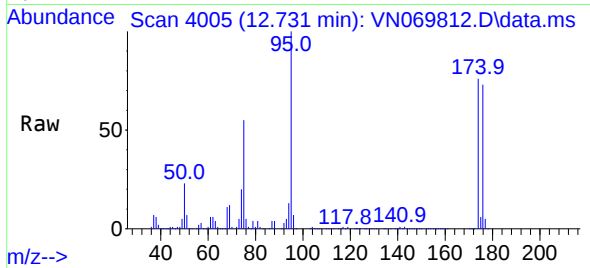
Tgt Ion: 75 Resp: 694898
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



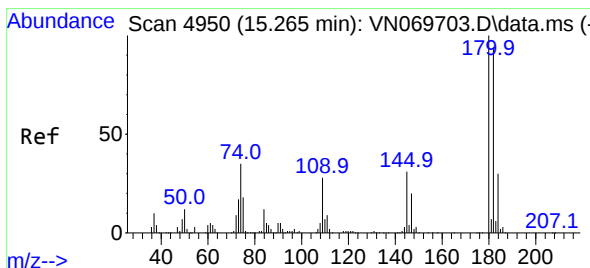
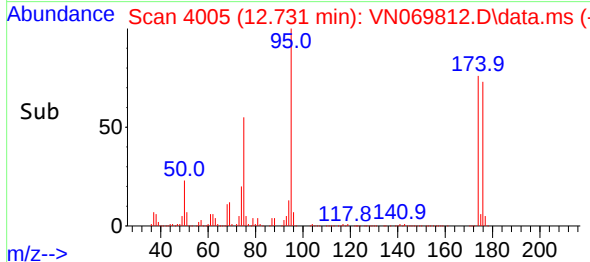
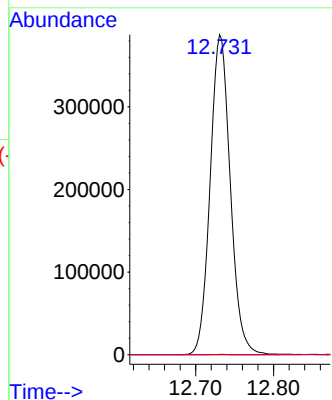


#81
trans-1,4-Dichloro-2-butene
Concen: 75.95 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

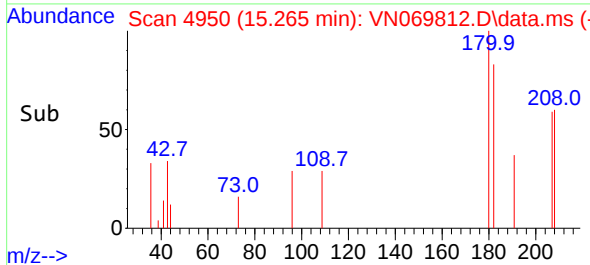
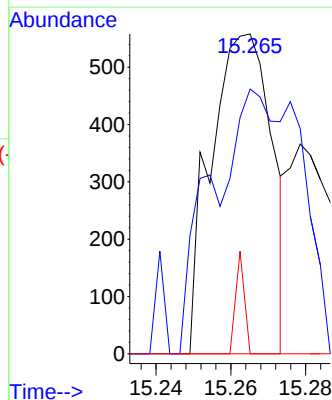
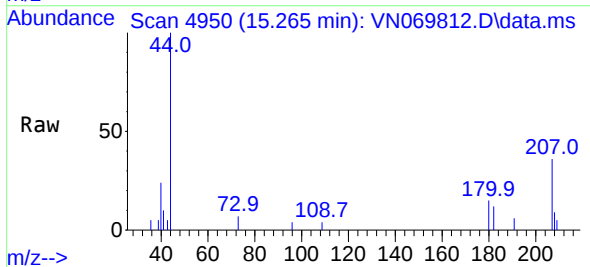


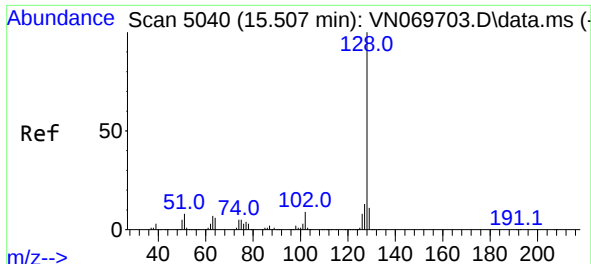
Tgt Ion: 75 Resp: 694898
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.91 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion: 180 Resp: 633
Ion Ratio Lower Upper
180 100
182 120.7 48.3 144.9
145 4.6 14.5 43.5#

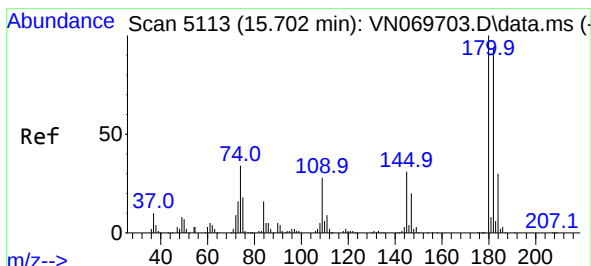
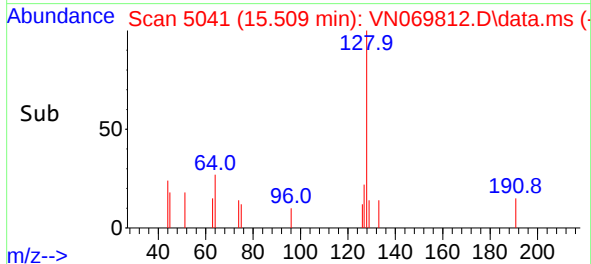
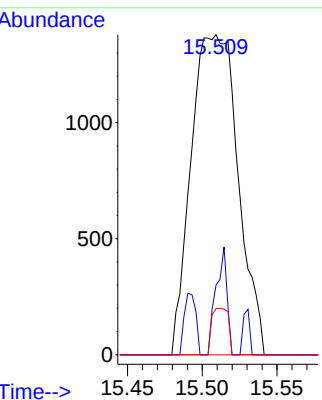
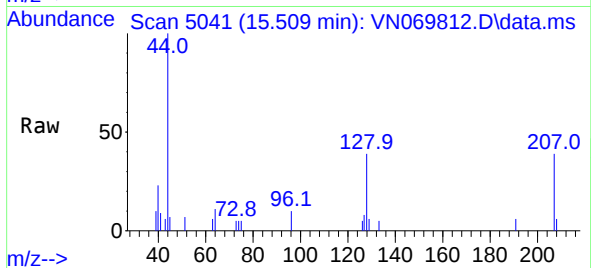




#95
Naphthalene
Concen: 4.04 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20211202

Tgt Ion:128 Resp: 3006
Ion Ratio Lower Upper
128 100
127 8.0 10.5 15.7#
129 5.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.48 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069812.D
Acq: 7 Dec 2021 14:08

Tgt Ion:180 Resp: 683
Ion Ratio Lower Upper
180 100
182 128.7 47.4 142.2
145 26.2 15.0 45.1

