

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069728.D
 Acq On : 3 Dec 2021 19:28
 Operator : JC/MD
 Sample : M4922-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D3-20211129

Quant Time: Dec 04 05:35:22 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

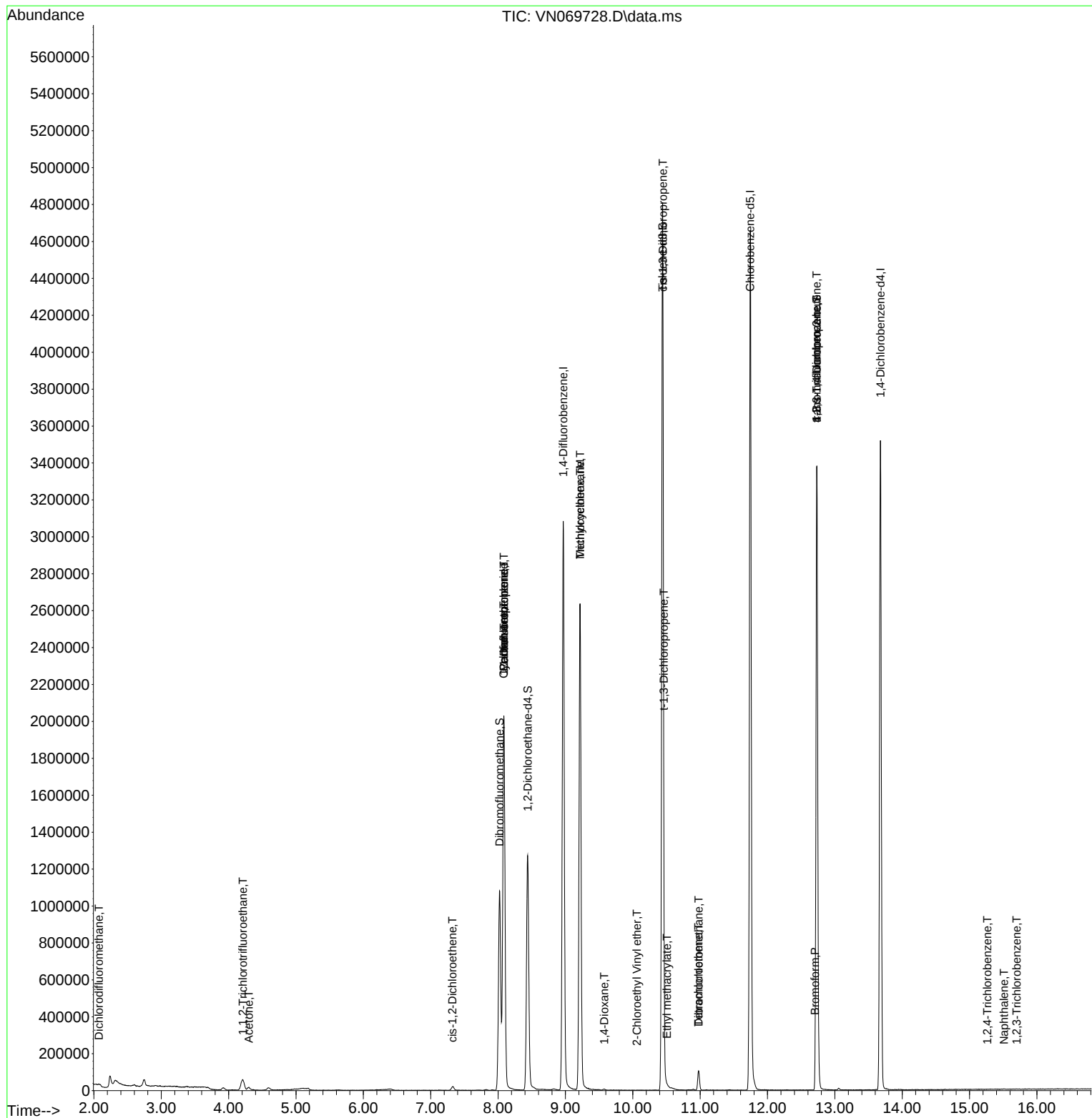
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1506244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2589932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2603431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	955296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1116059	47.989	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.980%
35) Dibromofluoromethane	8.021	113	766291	47.235	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.480%
50) Toluene-d8	10.443	98	3297607	50.624	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.731	95	1185815	50.249	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	6968	0.397	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.210	101	35901	2.411	ug/l	97
16) Acetone	4.299	43	21740	1.554	ug/l	93
27) cis-1,2-Dichloroethene	7.324	96	10895	0.579	ug/l	92
31) Cyclohexane	8.083	56	39094	1.208	ug/l #	25
36) 1,1-Dichloropropene	8.088	75	128157	5.198	ug/l #	49
38) Carbon Tetrachloride	8.086	117	156084	6.456	ug/l #	16
39) Methylcyclohexane	9.217	83	12141	0.414	ug/l #	1
44) Trichloroethene	9.217	130	922701	51.297	ug/l	93
49) 1,4-Dioxane	9.577	88	4853	10.672	ug/l #	93
53) t-1,3-Dichloropropene	10.459	75	31	2.795	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	225	2.005	ug/l #	1
56) Ethyl methacrylate	10.505	69	90	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.060	63	204	18.409	ug/l #	45
60) Dibromochloromethane	10.977	129	23561	3.504	ug/l #	11
64) Tetrachloroethene	10.974	164	24258	1.374	ug/l	95
71) Bromoform	12.704	173	43	2.733	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	666431	24.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	666431	77.211	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	400	2.902	ug/l #	77
95) Naphthalene	15.509	128	1427	4.013	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.700	180	168	2.446	ug/l #	22

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
Data File : VN069728.D
Acq On : 3 Dec 2021 19:28
Operator : JC/MD
Sample : M4922-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

Quant Time: Dec 04 05:35:22 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

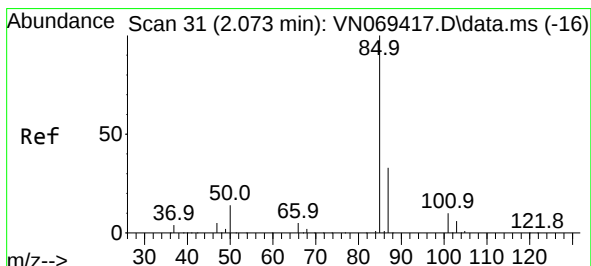
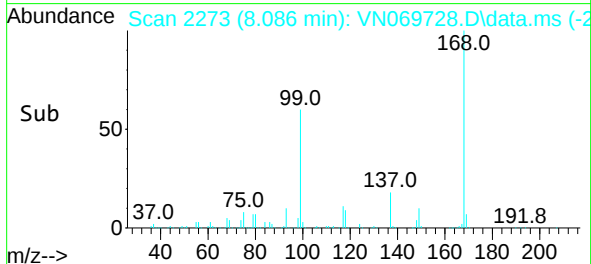
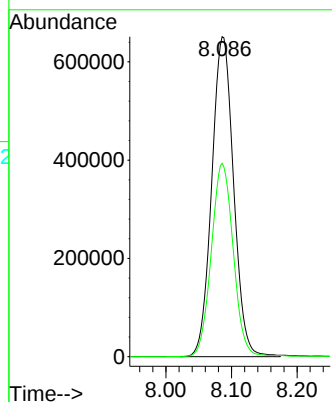
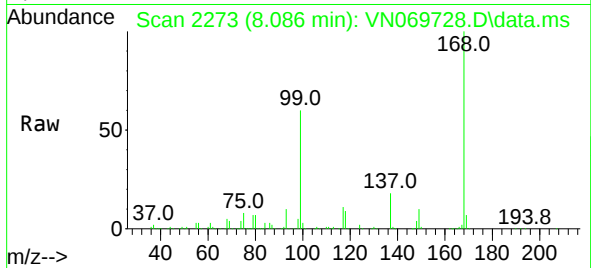




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

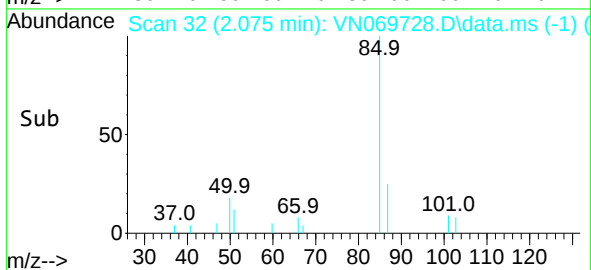
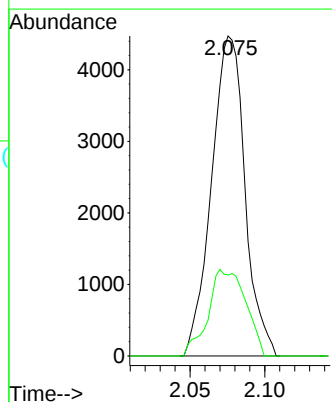
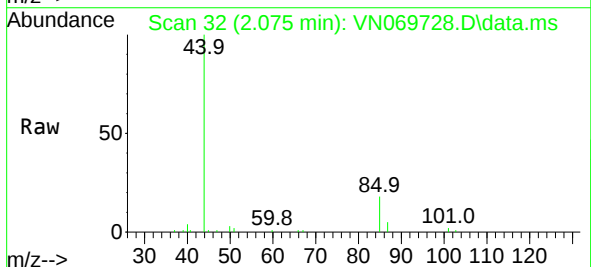
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

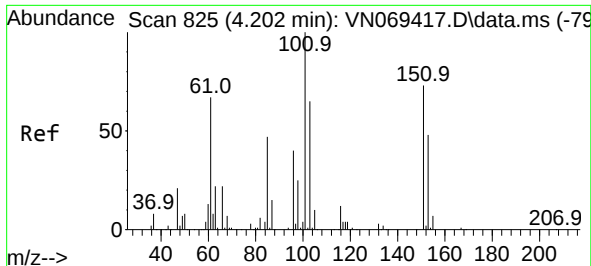
Tgt Ion:168 Resp: 1506244
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.397 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 85 Resp: 6968
Ion Ratio Lower Upper
85 100
87 25.3 16.3 48.9

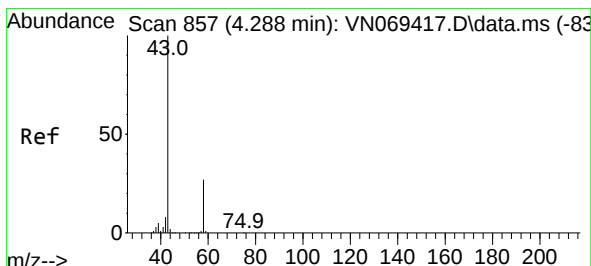
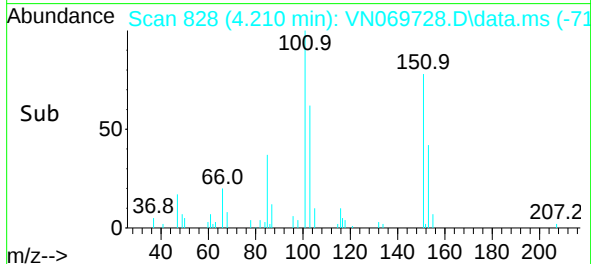
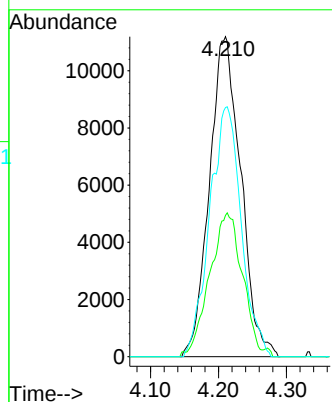
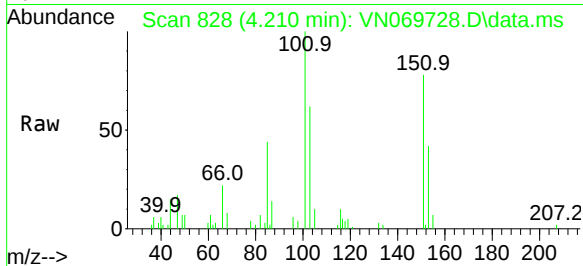




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.411 ug/l
RT: 4.210 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

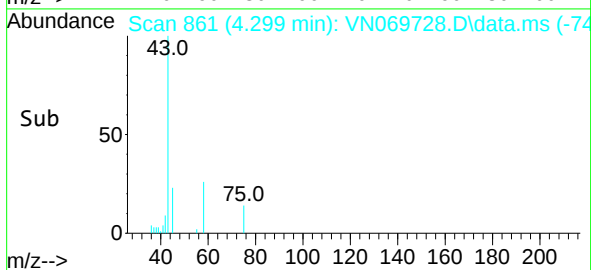
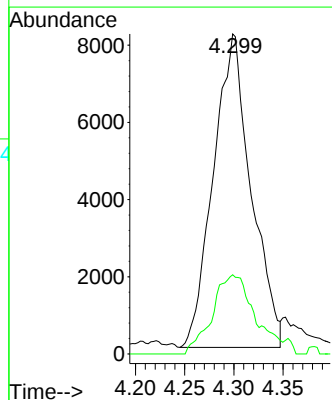
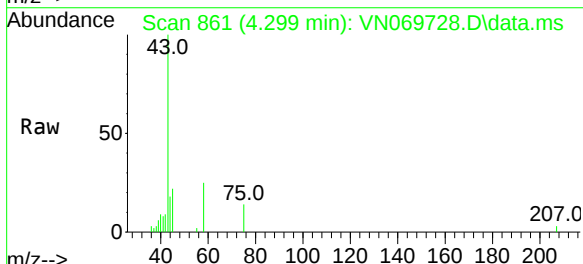
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

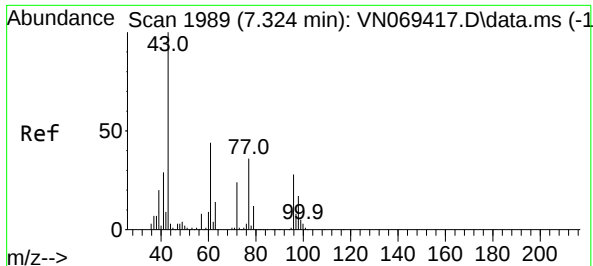
Tgt Ion:101 Resp: 35901
Ion Ratio Lower Upper
101 100
85 46.8 37.2 55.8
151 78.6 65.9 98.9



#16
Acetone
Concen: 1.554 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 43 Resp: 21740
Ion Ratio Lower Upper
43 100
58 25.3 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 0.579 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.002 min

Lab File: VN069728.D

Acq: 3 Dec 2021 19:28

Instrument :

MSVOA_N

ClientSampleId :

RE132D3-20211129

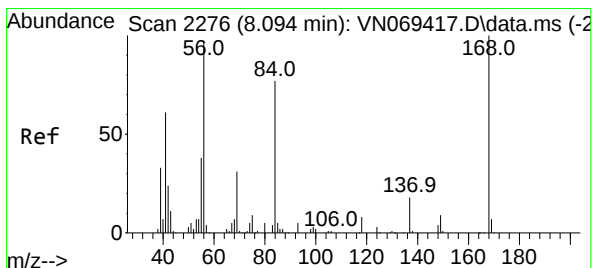
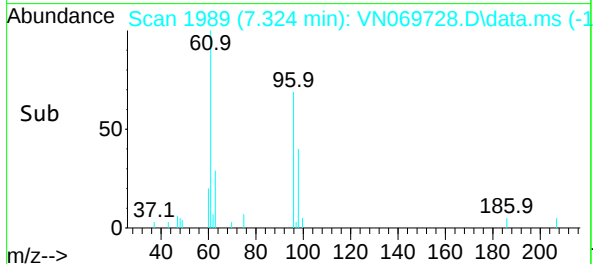
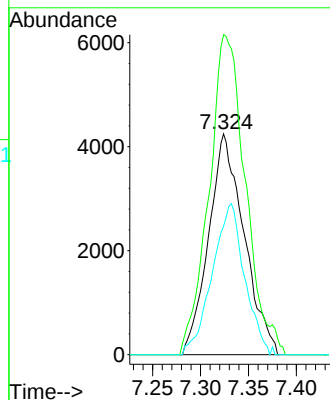
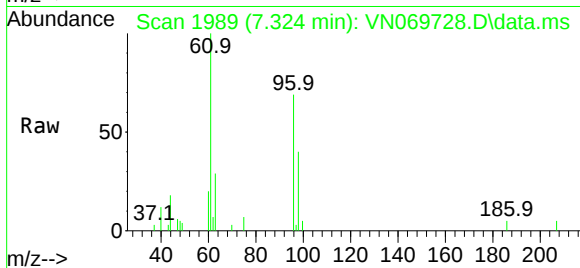
Tgt Ion: 96 Resp: 10895

Ion Ratio Lower Upper

96 100

61 149.4 0.0 275.0

98 62.5 0.0 129.6



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069728.D

Acq: 3 Dec 2021 19:28

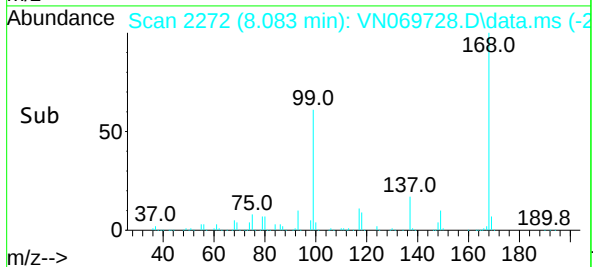
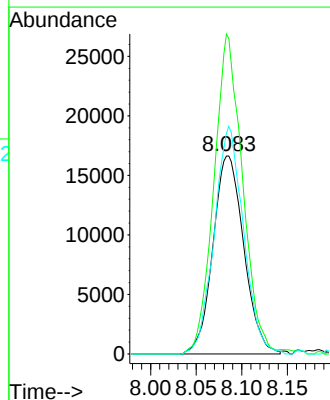
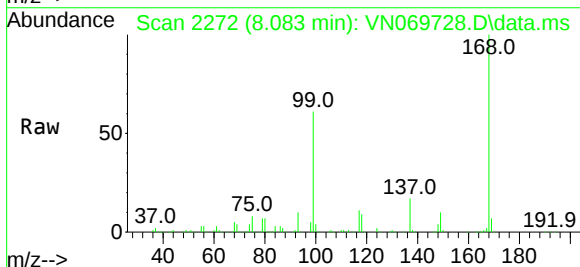
Tgt Ion: 56 Resp: 39094

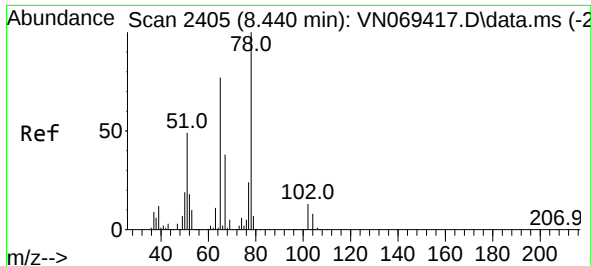
Ion Ratio Lower Upper

56 100

69 161.7 27.1 40.7#

84 111.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.989 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069728.D

Acq: 3 Dec 2021 19:28

Instrument :

MSVOA_N

ClientSampleId :

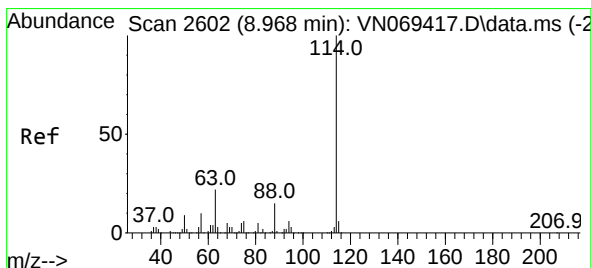
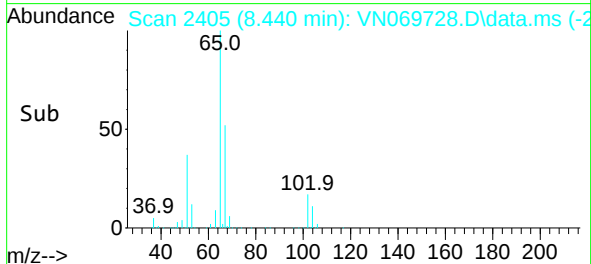
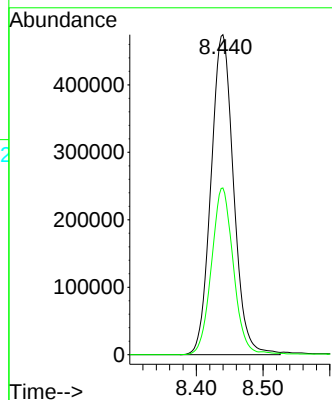
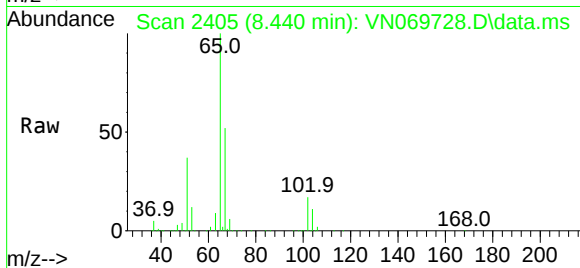
RE132D3-20211129

Tgt Ion: 65 Resp: 1116059

Ion Ratio Lower Upper

65 100

67 50.2 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: VN069728.D

Acq: 3 Dec 2021 19:28

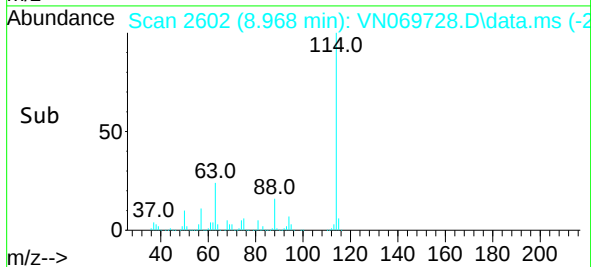
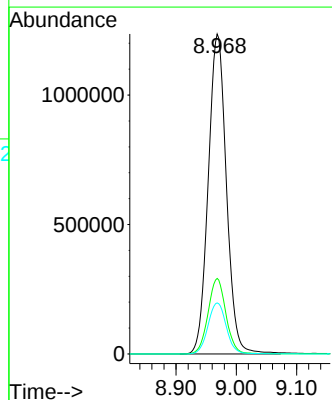
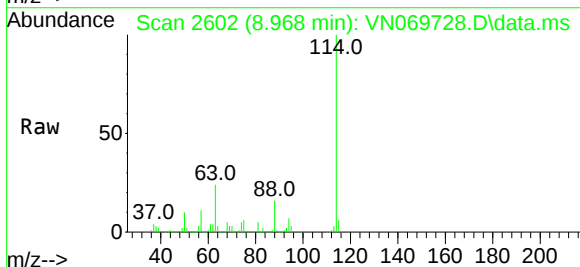
Tgt Ion: 114 Resp: 2589932

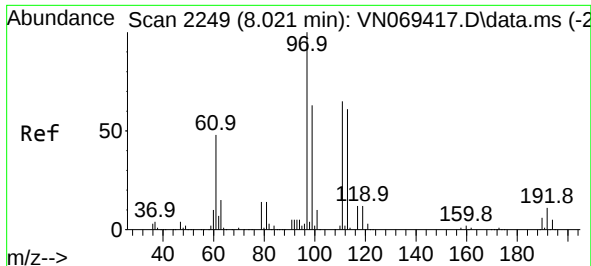
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

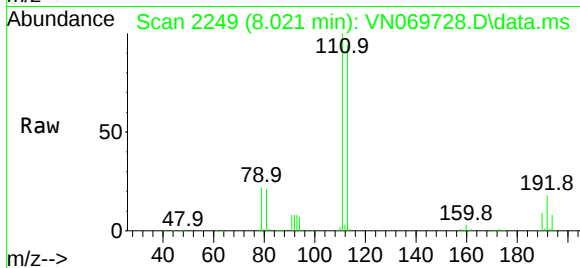
88 16.0 0.0 27.4



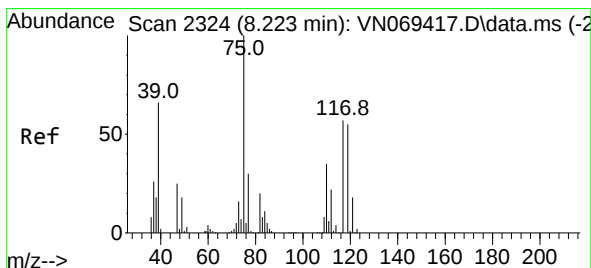
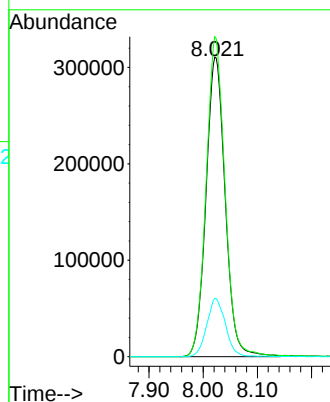
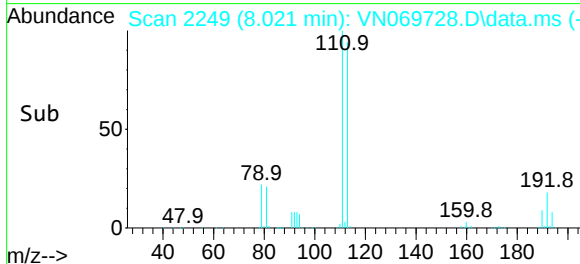


#35
Dibromofluoromethane
Concen: 47.235 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

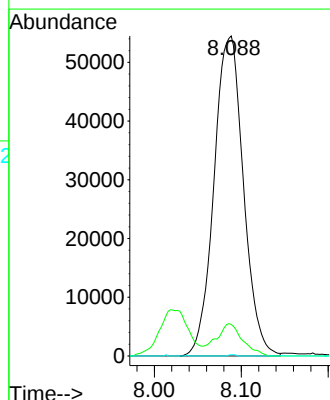
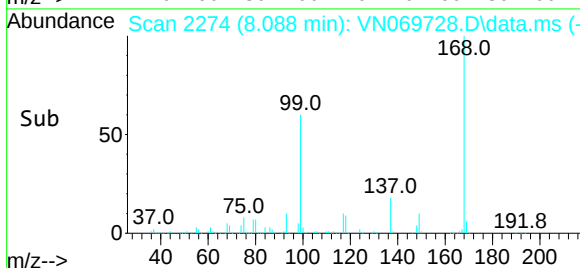
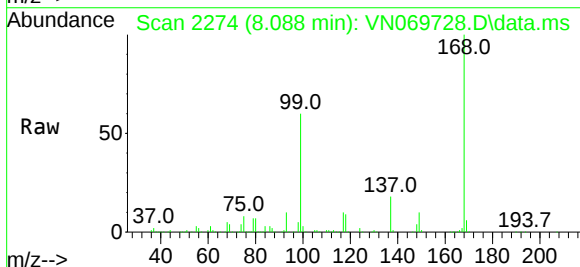


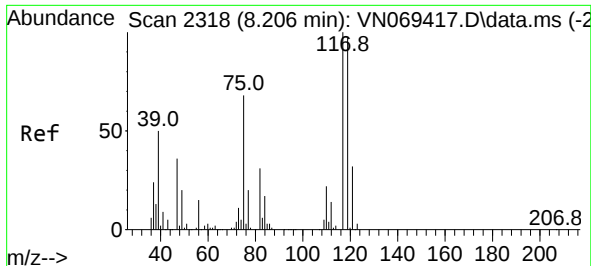
Tgt Ion:113 Resp: 766291
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.198 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 75 Resp: 128157
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.1 24.4 36.6#

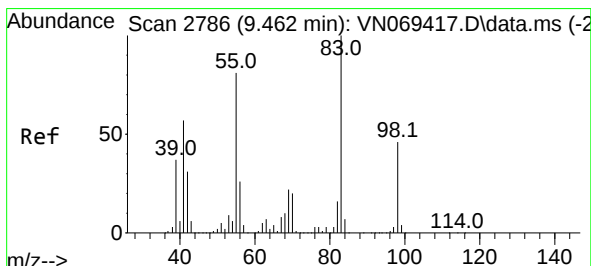
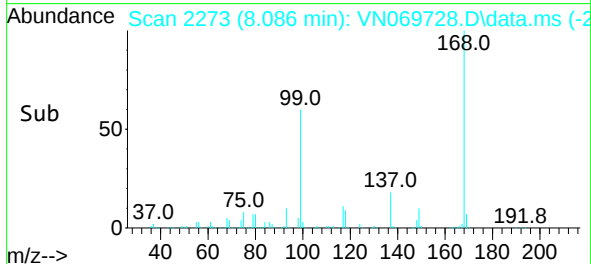
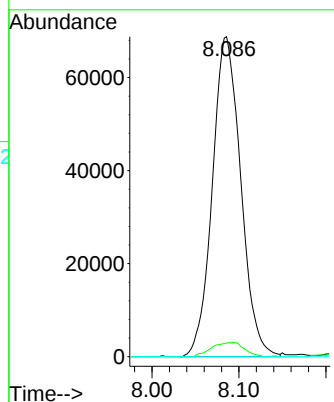
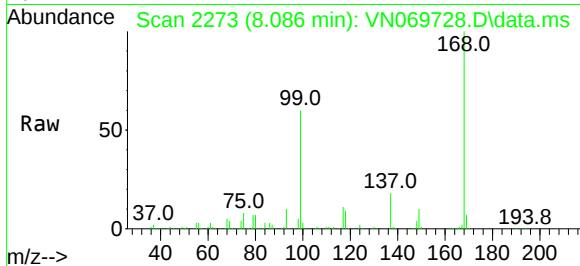




#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

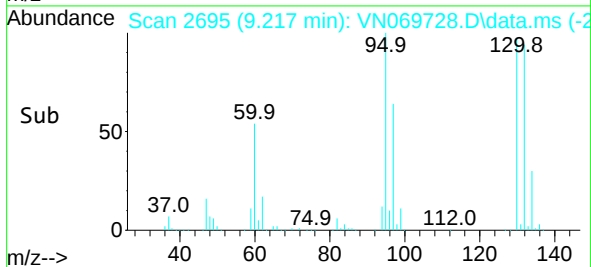
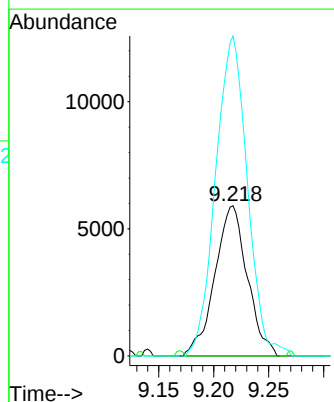
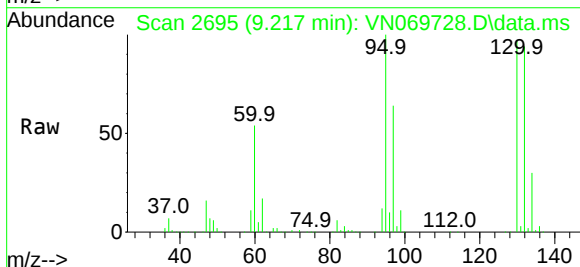
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

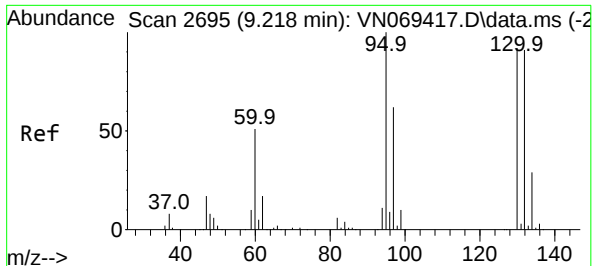
Tgt Ion:117 Resp: 156084
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.414 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 83 Resp: 12141
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 213.1 38.4 57.6#

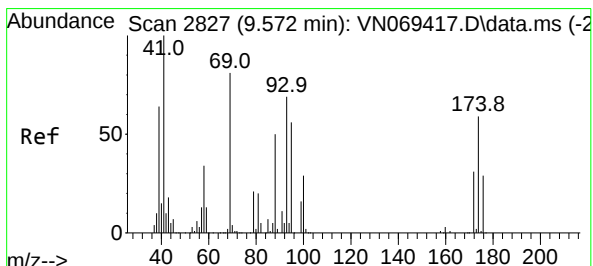
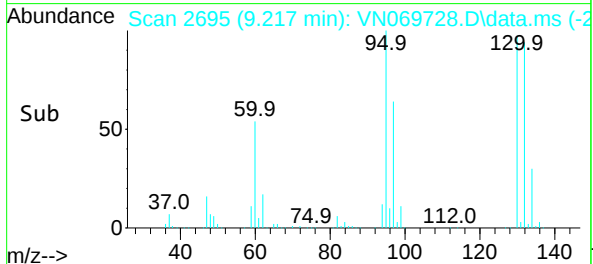
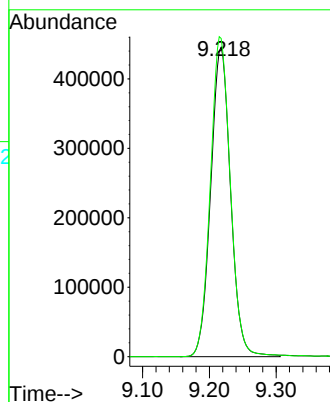
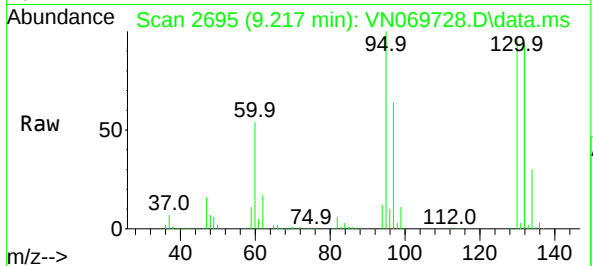




#44
Trichloroethene
Concen: 51.297 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

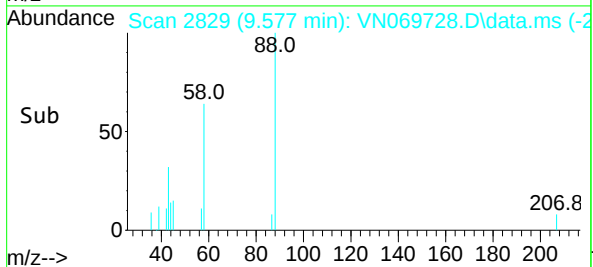
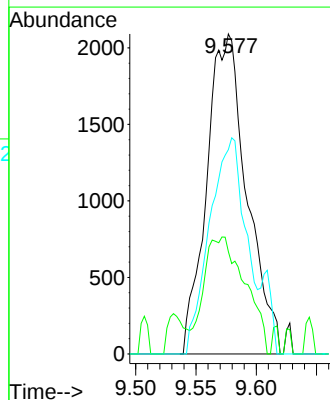
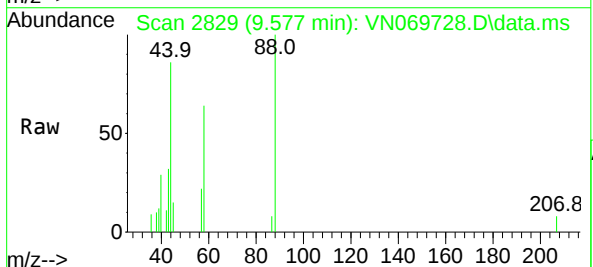
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

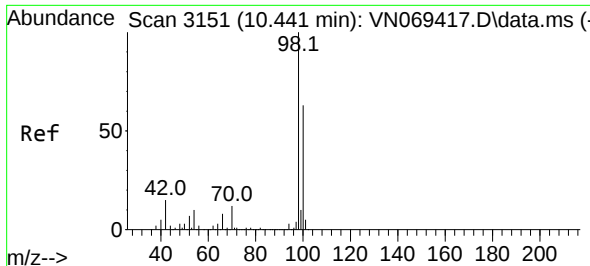
Tgt Ion:130 Resp: 922701
Ion Ratio Lower Upper
130 100
95 102.8 0.0 191.2



#49
1,4-Dioxane
Concen: 10.672 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 88 Resp: 4853
Ion Ratio Lower Upper
88 100
43 37.7 23.4 35.2#
58 60.3 50.6 75.8

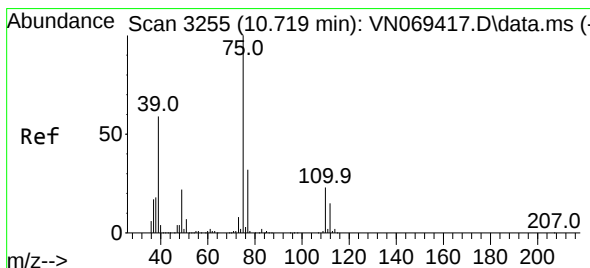
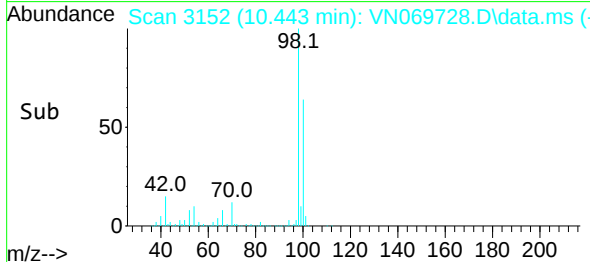
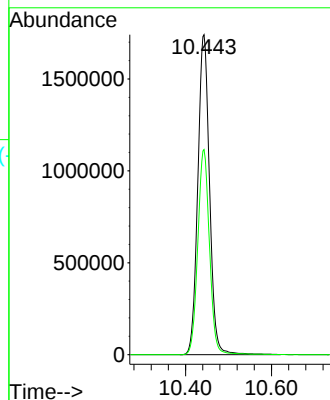
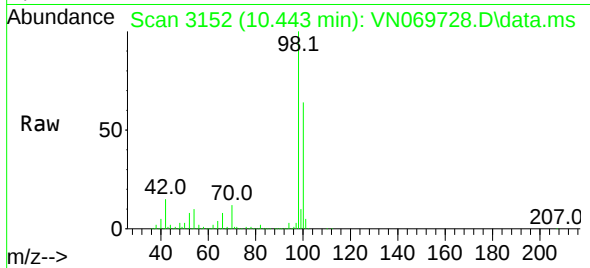




#50
Toluene-d8
Concen: 50.624 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

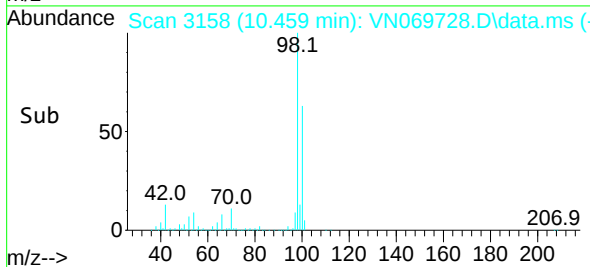
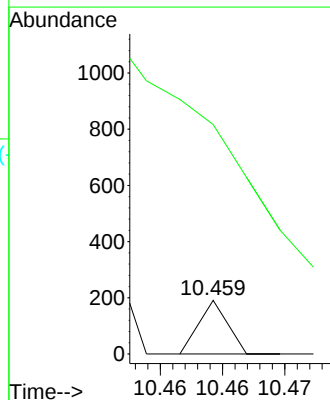
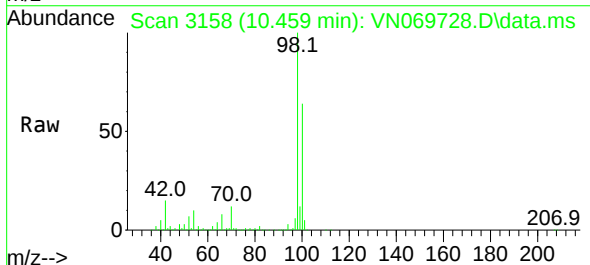
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

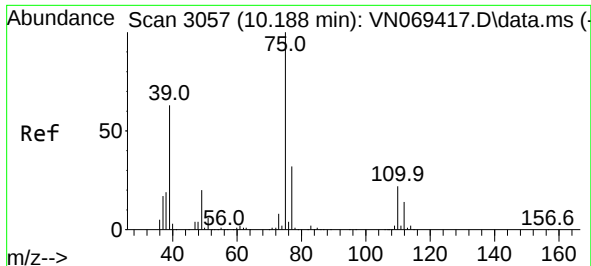
Tgt Ion: 98 Resp: 3297607
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.459 min Scan# 3158
Delta R.T. -0.260 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 196.9 25.6 38.4#

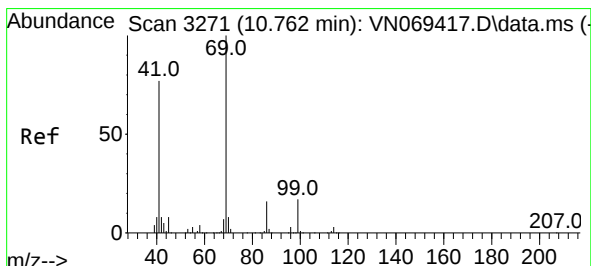
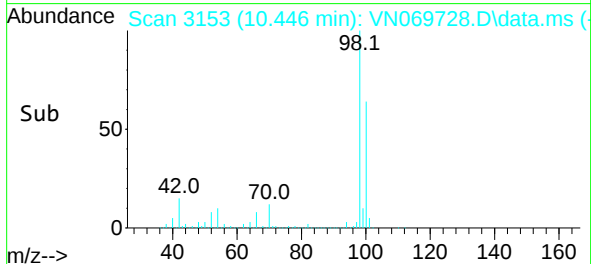
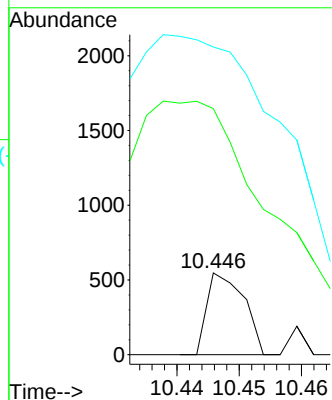
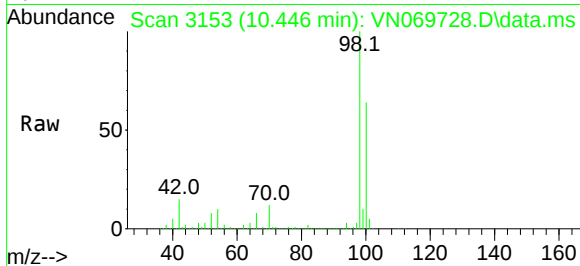




#54
cis-1,3-Dichloropropene
Concen: 2.005 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

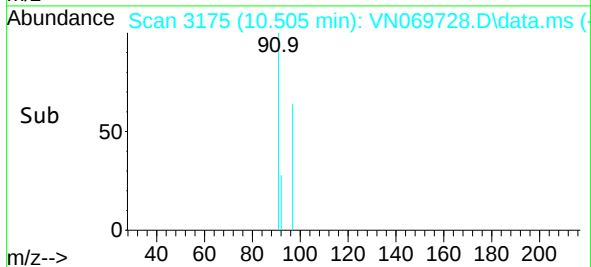
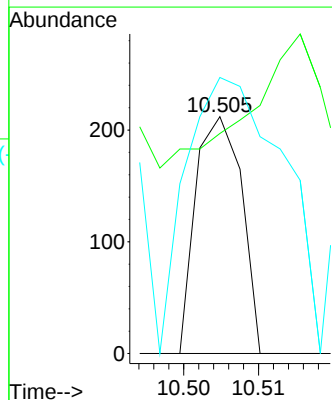
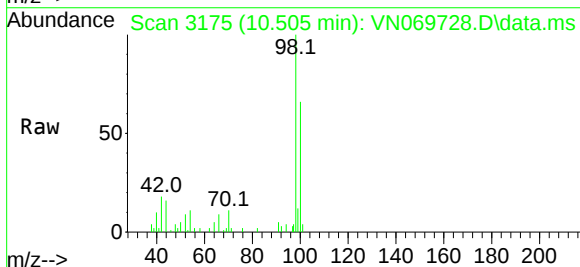
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

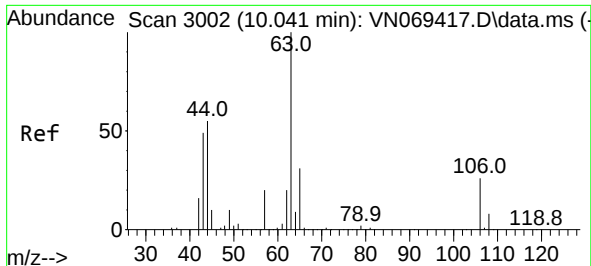
Tgt Ion: 75 Resp: 225
Ion Ratio Lower Upper
75 100
77 135.3 26.4 39.6#
39 92.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.257 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 246.7 34.6 52.0#

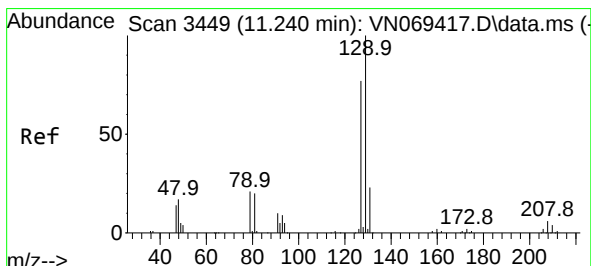
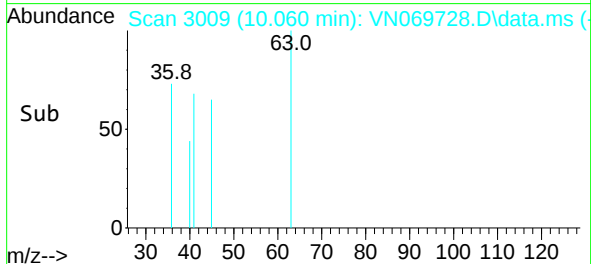
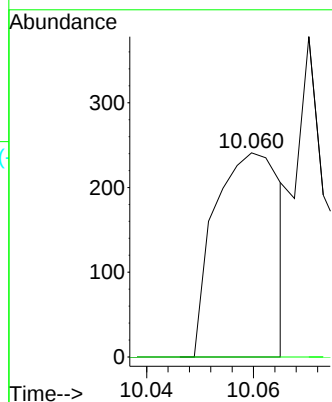
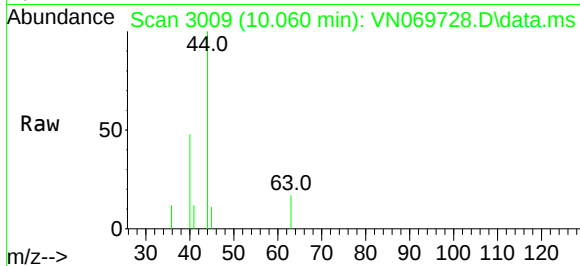




#58
2-Chloroethyl Vinyl ether
Concen: 18.409 ug/l
RT: 10.060 min Scan# 3009
Delta R.T. 0.017 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

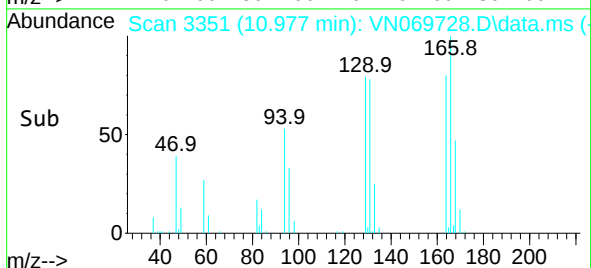
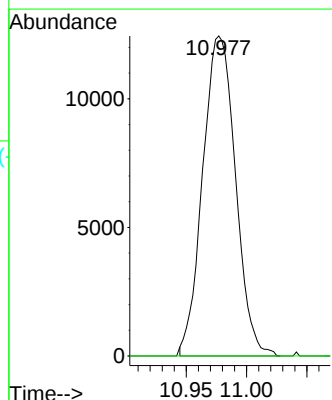
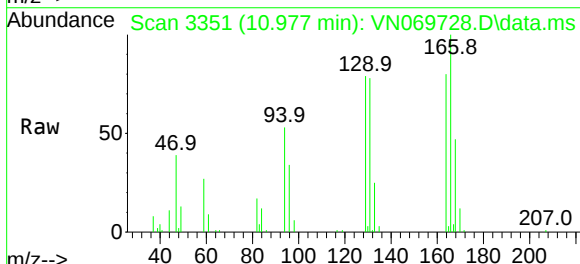
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

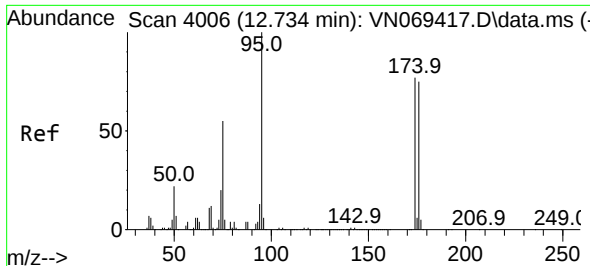
Tgt Ion: 63 Resp: 204
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 3.504 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion:129 Resp: 23561
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

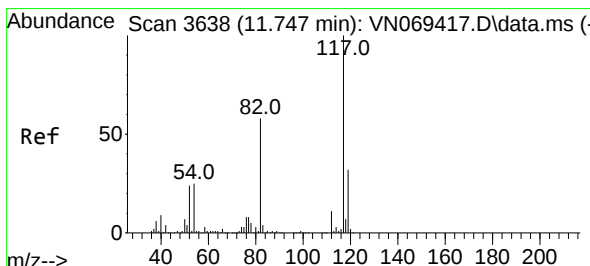
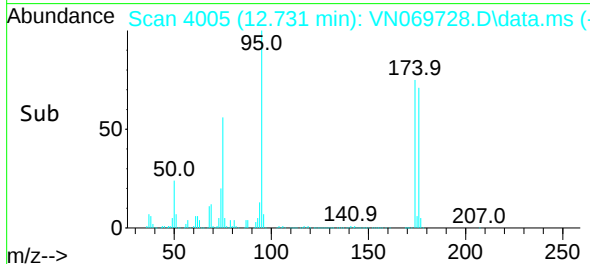
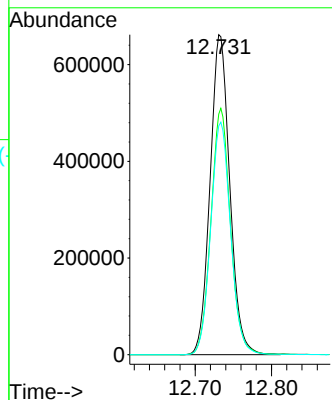
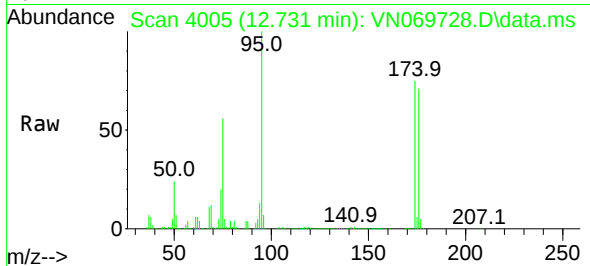




#62
4-Bromofluorobenzene
Concen: 50.249 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

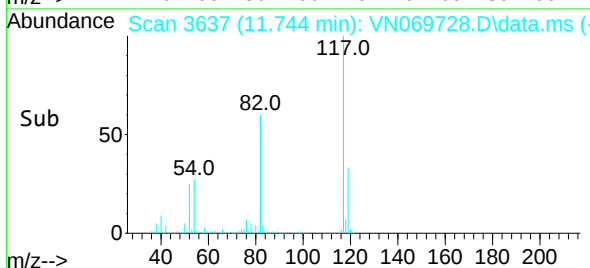
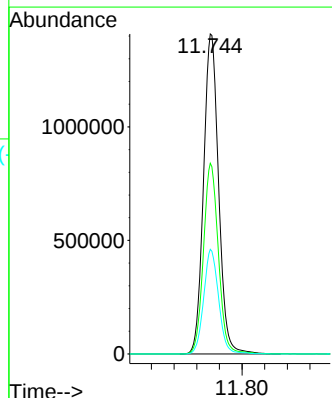
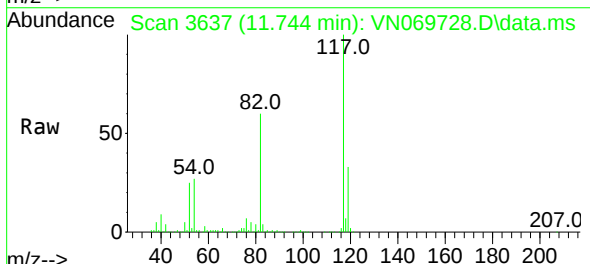
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

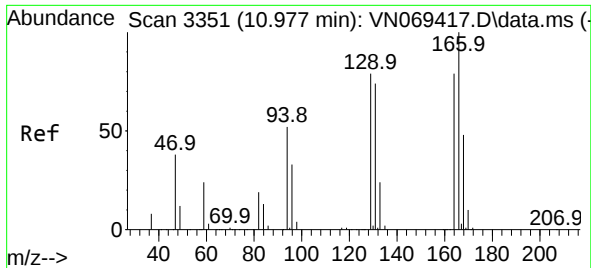
Tgt Ion: 95 Resp: 1185815
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 117 Resp: 2603431
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.7 25.4 38.2

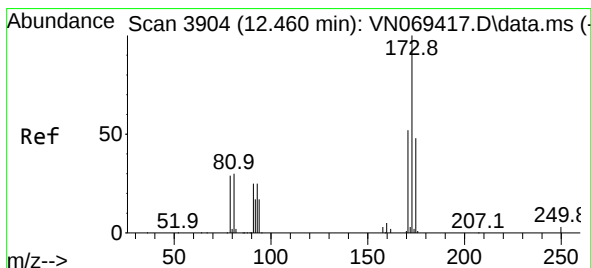
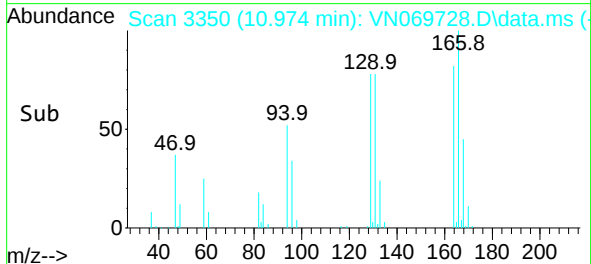
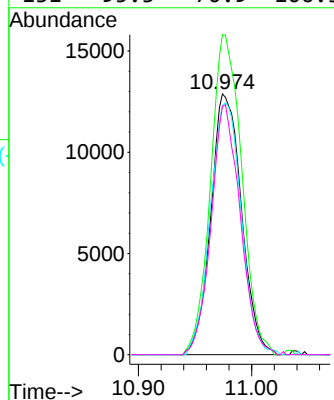
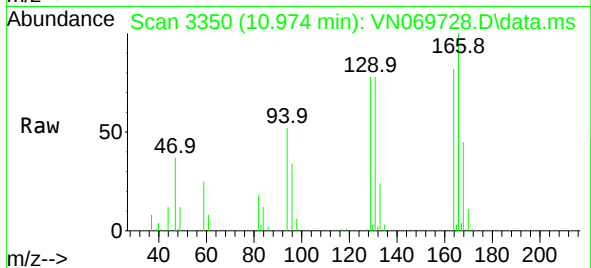




#64
Tetrachloroethene
Concen: 1.374 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

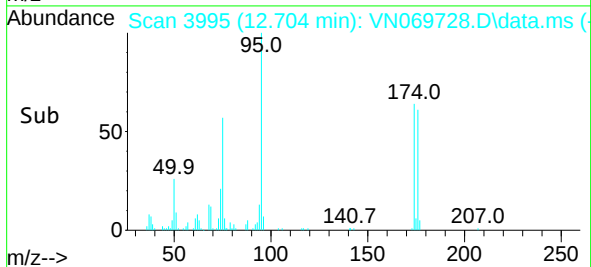
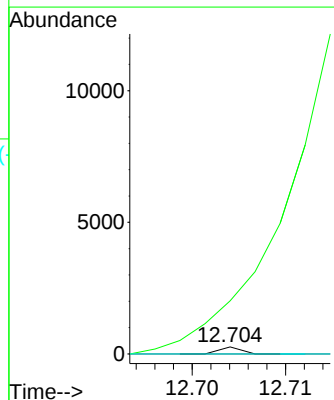
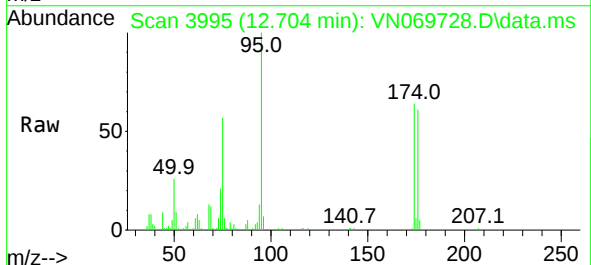
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

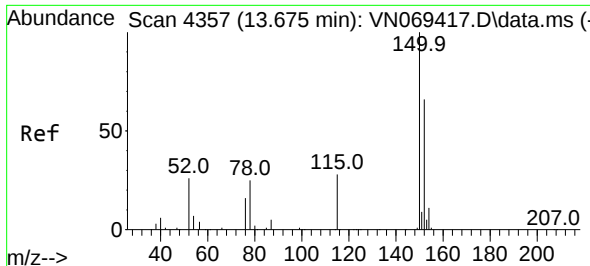
Tgt Ion:164	Resp:	24258	
Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.9	152.9
129	95.5	72.0	108.0
131	95.3	70.9	106.3



#71
Bromoform
Concen: 2.733 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion:173	Resp:	43	
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

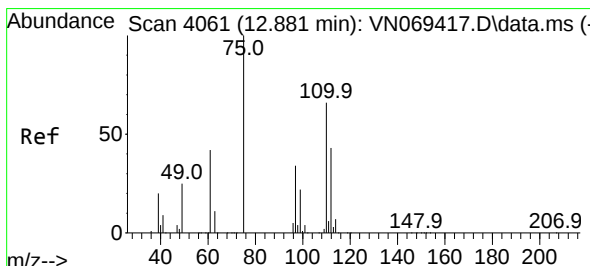
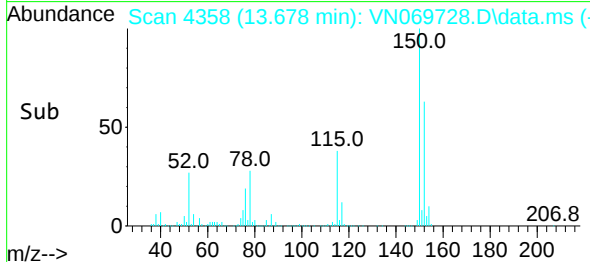
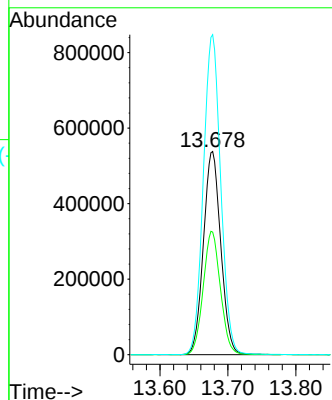
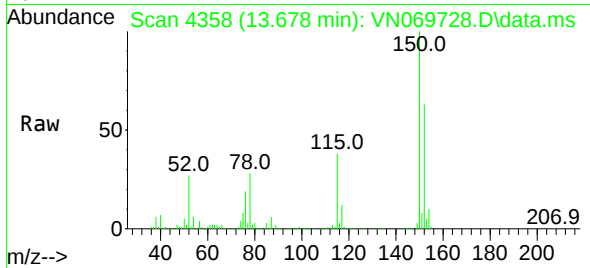




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

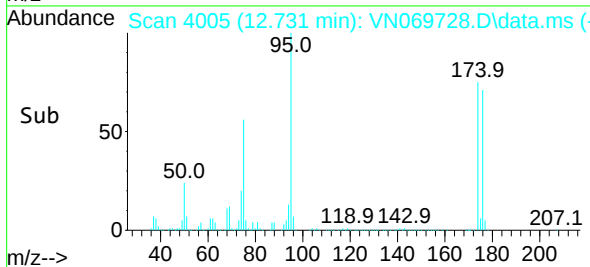
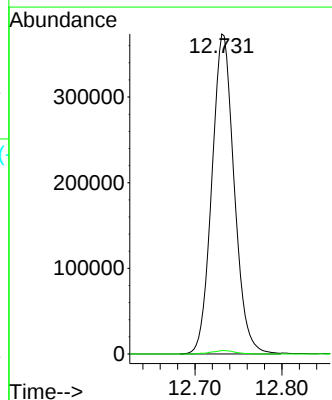
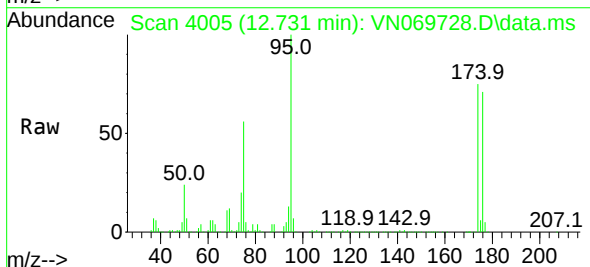
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

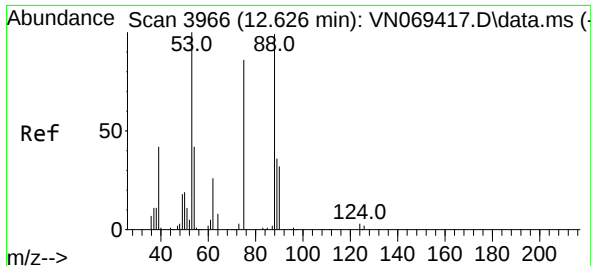
Tgt Ion:152 Resp: 955296
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 157.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.326 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion: 75 Resp: 666431
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

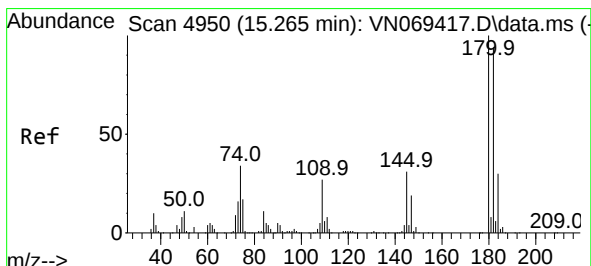
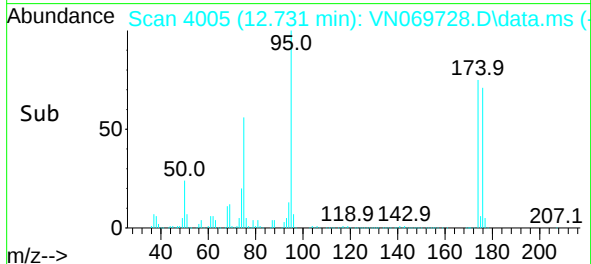
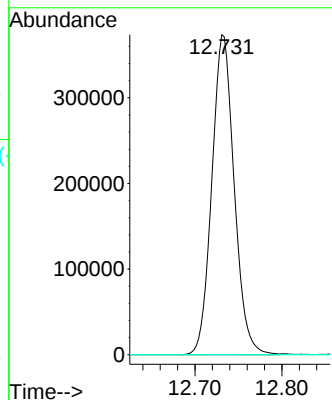
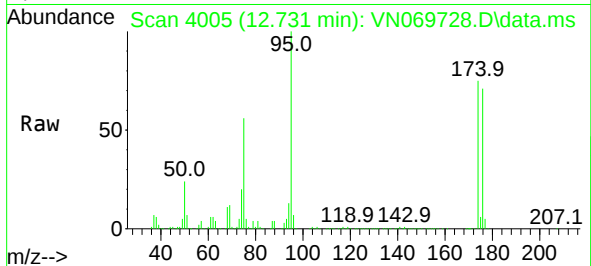




#81
trans-1,4-Dichloro-2-butene
Concen: 77.211 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

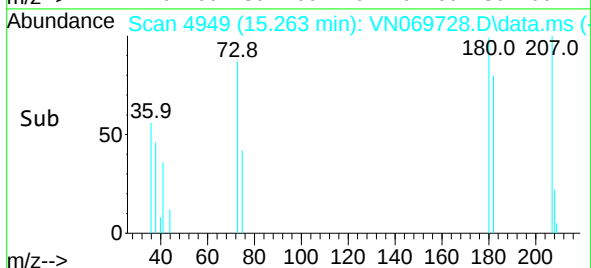
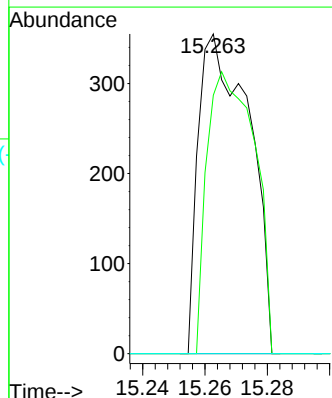
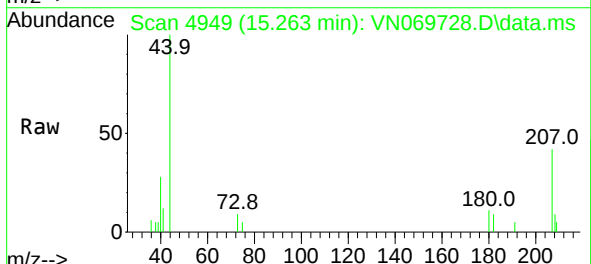
Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

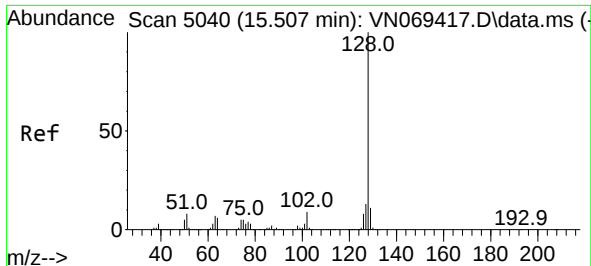
Tgt Ion: 75 Resp: 666431
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.902 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion:180 Resp: 400
Ion Ratio Lower Upper
180 100
182 83.0 48.3 144.9
145 0.0 14.5 43.5#

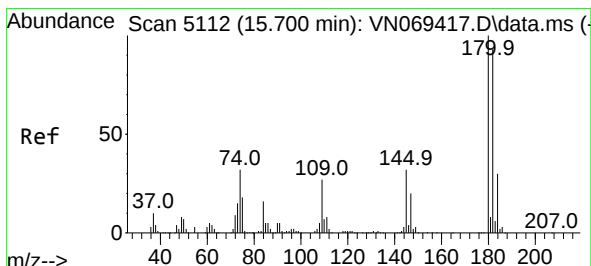
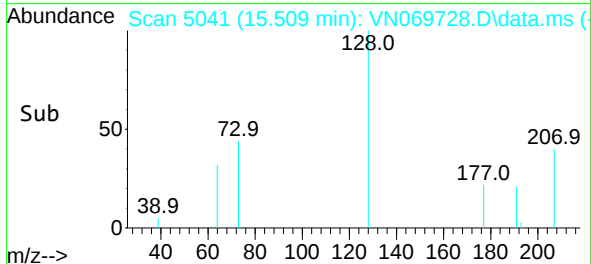
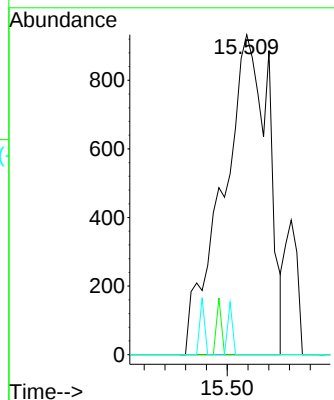
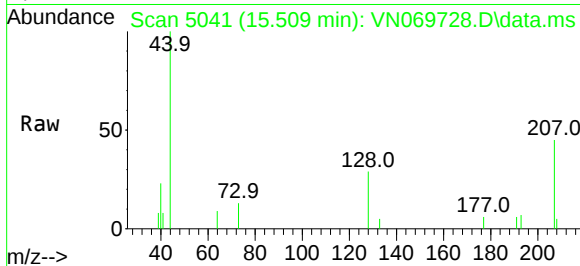




#95
Naphthalene
Concen: 4.013 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
RE132D3-20211129

Tgt Ion:128 Resp: 1427
Ion Ratio Lower Upper
128 100
127 1.9 10.5 15.7#
129 1.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.446 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069728.D
Acq: 3 Dec 2021 19:28

Tgt Ion:180 Resp: 168
Ion Ratio Lower Upper
180 100
182 186.3 47.4 142.2#
145 14.9 15.0 45.1#

