

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069765.D
 Acq On : 4 Dec 2021 15:05
 Operator : JC/MD
 Sample : M4922-15DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20211130DL

Quant Time: Dec 04 16:12:04 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)

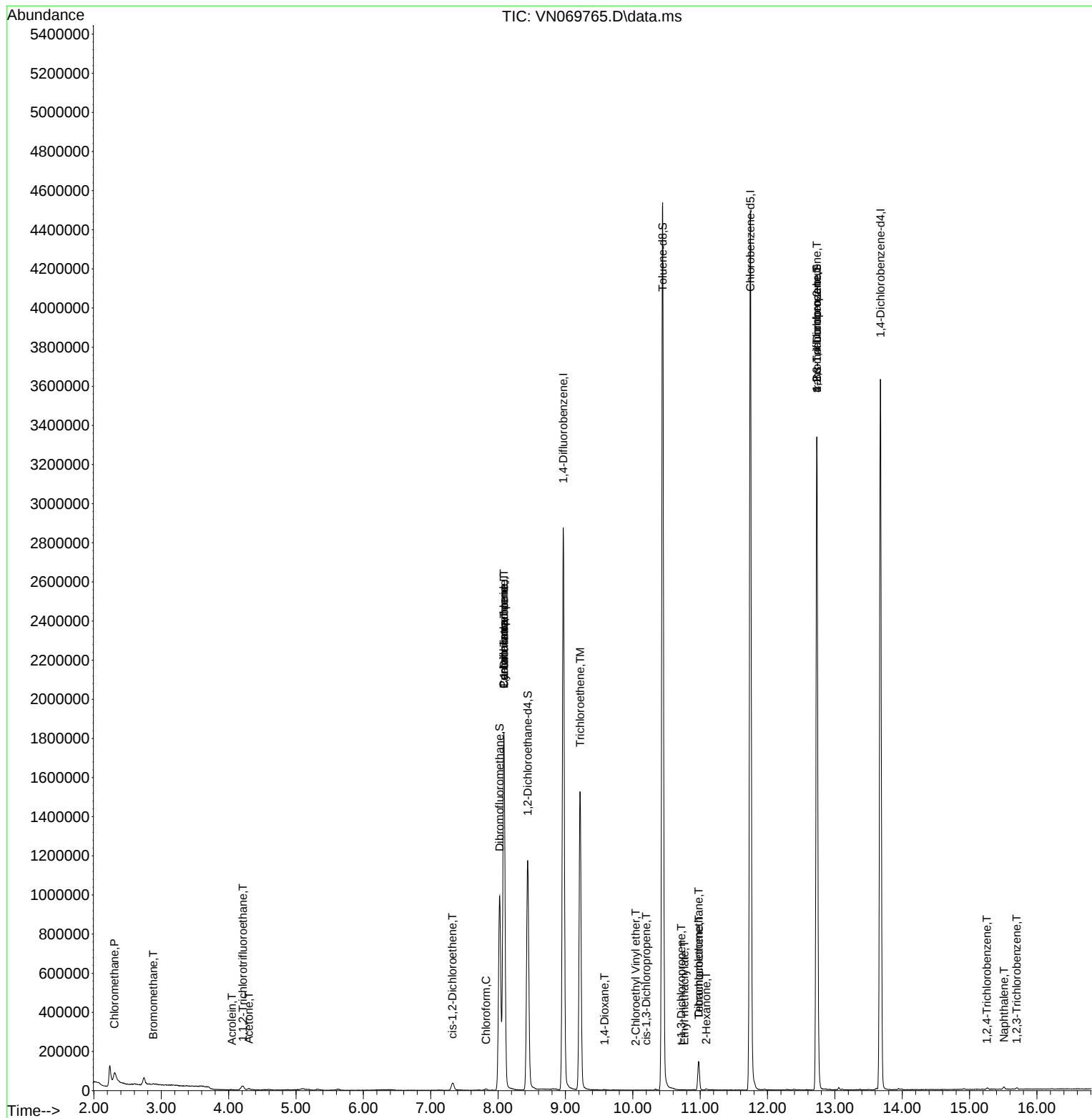
Internal Standards						
1) Pentafluorobenzene	8.086	168	1374568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2424774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2506577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	959066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1028243	48.449	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.900%
35) Dibromofluoromethane	8.024	113	715307	47.096	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.200%
50) Toluene-d8	10.443	98	3112259	51.032	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.060%
62) 4-Bromofluorobenzene	12.733	95	1171352	53.017	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.040%
Target Compounds						Qvalue
3) Chloromethane	2.303	50	4374	0.218	ug/l	89
5) Bromomethane	2.880	94	5256	0.524	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.210	101	12786	0.941	ug/l #	71
13) Acrolein	4.047	56	1231	0.360	ug/l #	65
16) Acetone	4.299	43	9552	0.748	ug/l	91
27) cis-1,2-Dichloroethene	7.324	96	10613	0.618	ug/l	97
30) Chloroform	7.820	83	6805	0.226	ug/l	86
31) Cyclohexane	8.086	56	37628	1.274	ug/l #	45
36) 1,1-Dichloropropene	8.086	75	117201	5.077	ug/l #	49
38) Carbon Tetrachloride	8.086	117	143039	6.319	ug/l #	16
44) Trichloroethene	9.217	130	545652	32.402	ug/l	94
49) 1,4-Dioxane	9.579	88	1977	4.644	ug/l #	57
53) t-1,3-Dichloropropene	10.719	75	279	2.803	ug/l #	63
54) cis-1,3-Dichloropropene	10.199	75	170	2.004	ug/l #	32
56) Ethyl methacrylate	10.765	69	354	2.289	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.043	63	55	18.395	ug/l #	45
59) 2-Hexanone	11.089	43	5593	0.224	ug/l	85
60) Dibromochloromethane	10.977	129	32300	4.028	ug/l #	11
64) Tetrachloroethene	10.982	164	32286	1.900	ug/l	95
76) 1,2,3-Trichloropropane	12.733	75	664483	24.160	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	664483	76.710	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.254	180	937	2.934	ug/l #	22
95) Naphthalene	15.509	128	10000	4.181	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	2643	2.600	ug/l	92

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

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Response via : Initial Calibration

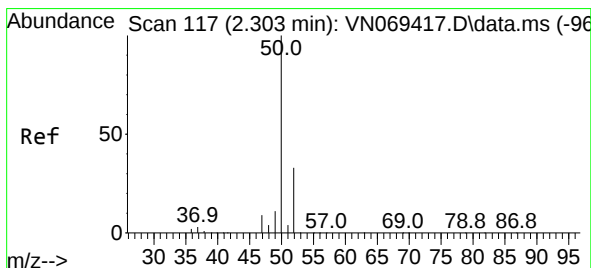
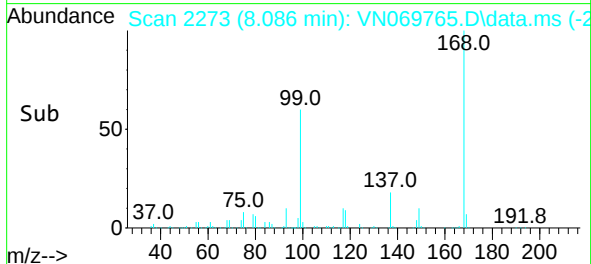
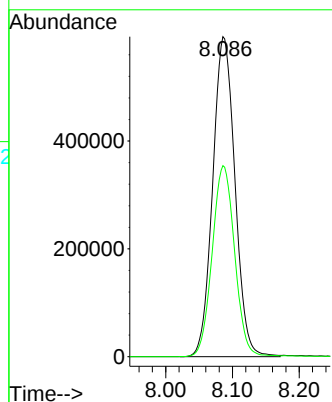
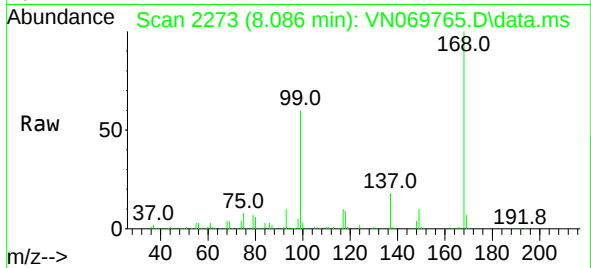




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

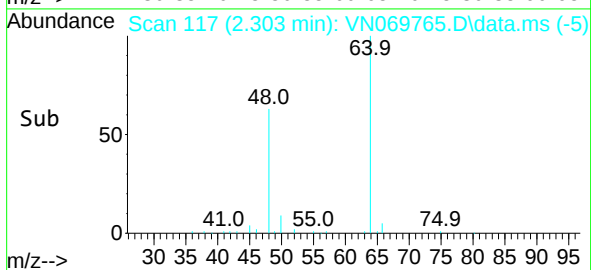
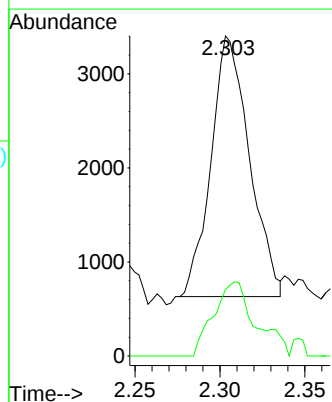
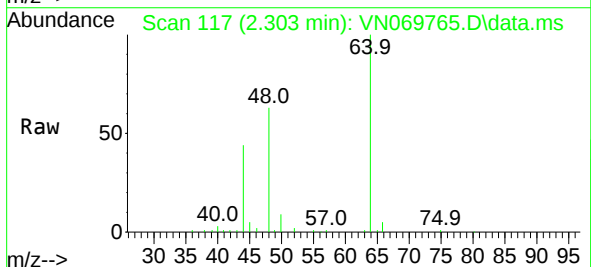
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

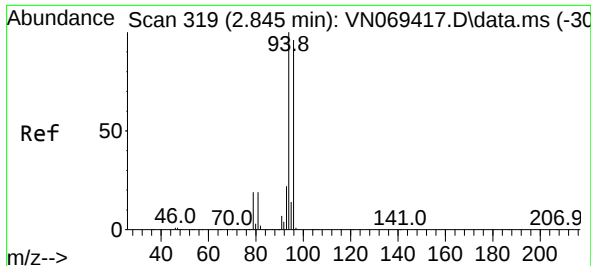
Tgt Ion:168 Resp: 1374568
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 50 Resp: 4374
Ion Ratio Lower Upper
50 100
52 25.5 25.4 38.0

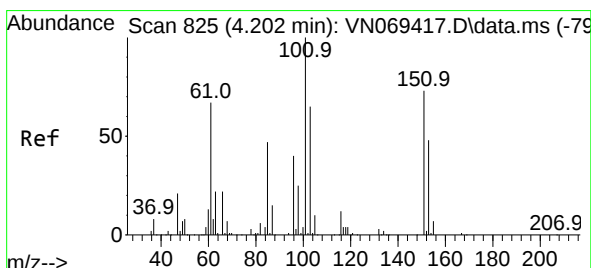
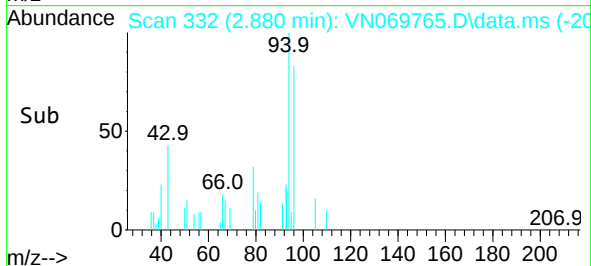
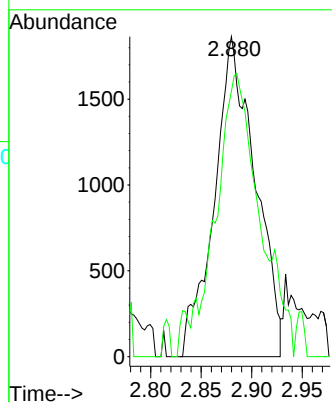
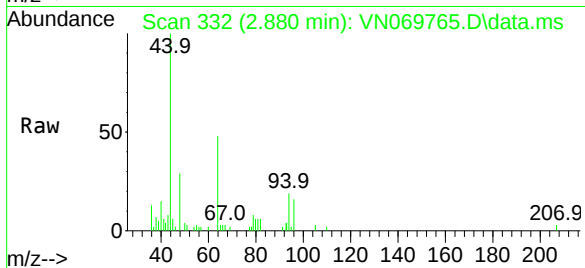




#5
Bromomethane
Concen: 0.524 ug/l
RT: 2.880 min Scan# 319
Delta R.T. 0.043 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

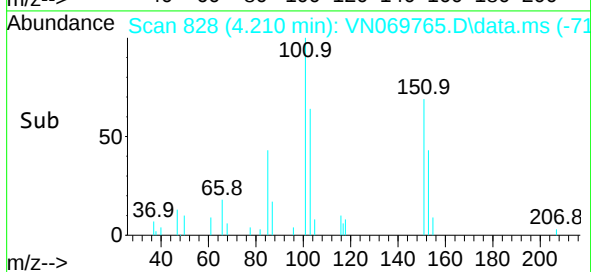
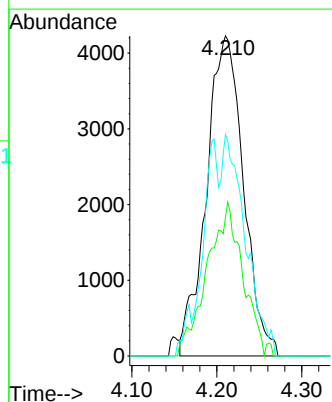
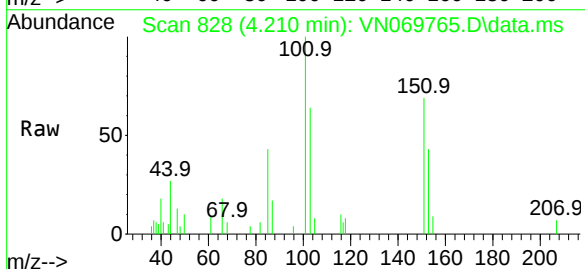
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

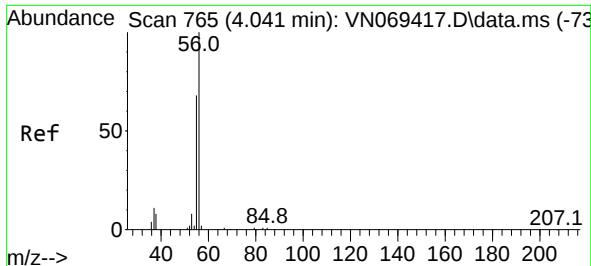
Tgt Ion: 94 Resp: 5256
Ion Ratio Lower Upper
94 100
96 73.4 73.8 110.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.941 ug/l
RT: 4.210 min Scan# 828
Delta R.T. 0.008 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 101 Resp: 12786
Ion Ratio Lower Upper
101 100
85 45.9 37.2 55.8
151 42.3 65.9 98.9#





#13

Acrolein

Concen: 0.360 ug/l

RT: 4.047 min Scan# 7

Delta R.T. 0.008 min

Lab File: VN069765.D

Acq: 4 Dec 2021 15:05

Instrument :

MSVOA_N

ClientSampleId :

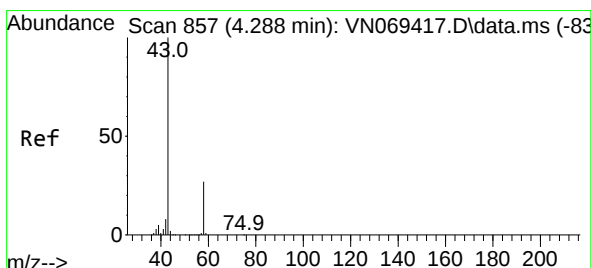
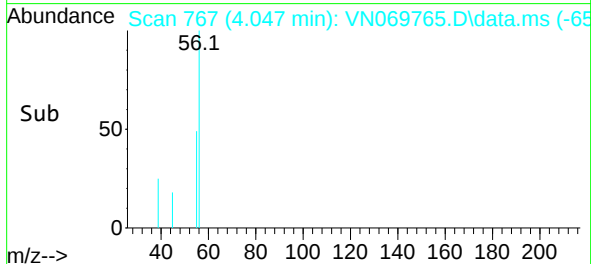
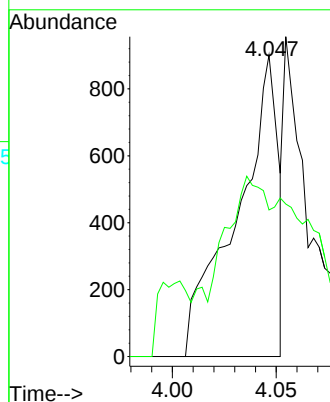
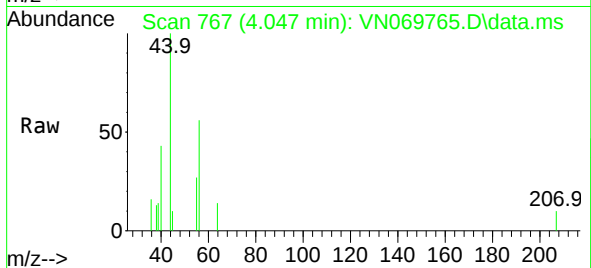
RE131D1-20211130DL

Tgt Ion: 56 Resp: 1231

Ion Ratio Lower Upper

56 100

55 42.1 56.6 85.0#



#16

Acetone

Concen: 0.748 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.008 min

Lab File: VN069765.D

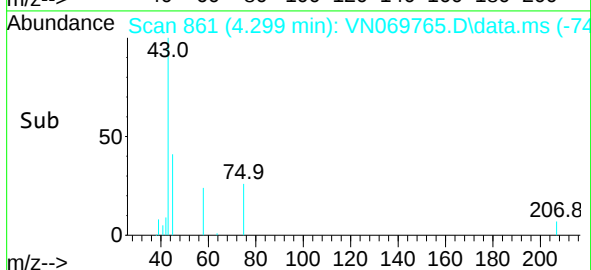
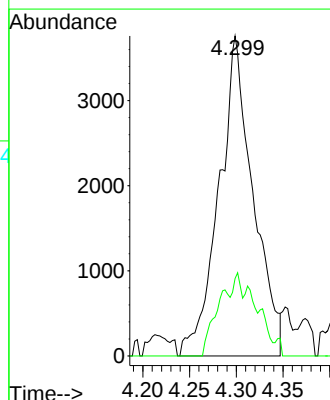
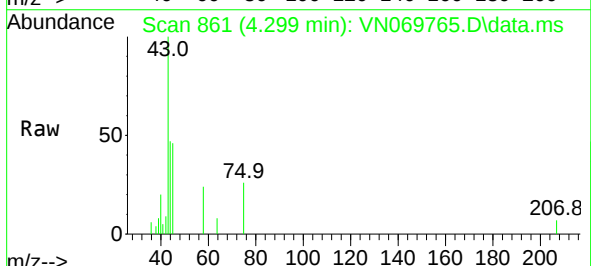
Acq: 4 Dec 2021 15:05

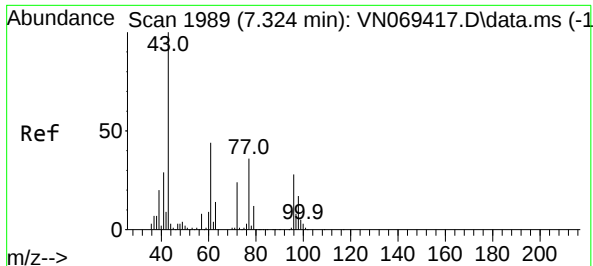
Tgt Ion: 43 Resp: 9552

Ion Ratio Lower Upper

43 100

58 24.2 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 0.618 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.003 min

Lab File: VN069765.D

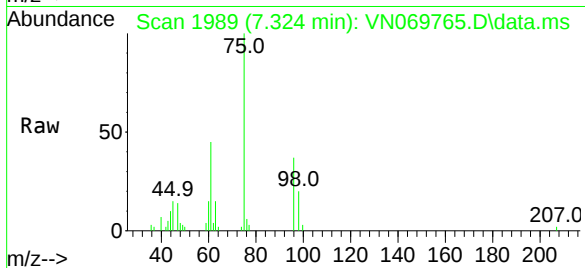
Acq: 4 Dec 2021 15:05

Instrument :

MSVOA_N

ClientSampleId :

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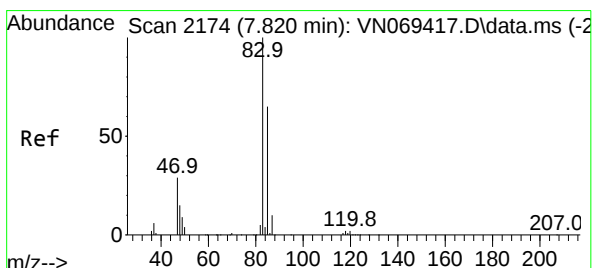
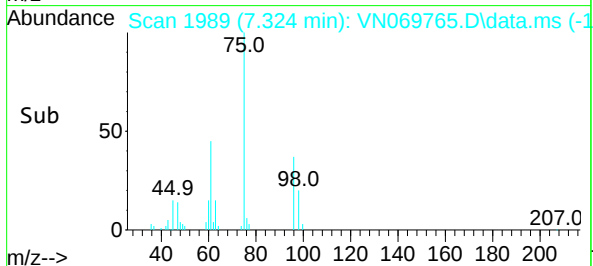
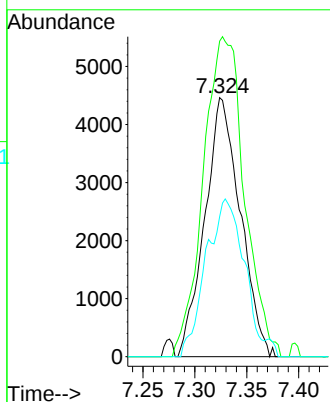
Tgt Ion: 96 Resp: 10613

Ion Ratio Lower Upper

96 100

61 143.1 0.0 275.0

98 65.2 0.0 129.6



#30

Chloroform

Concen: 0.226 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN069765.D

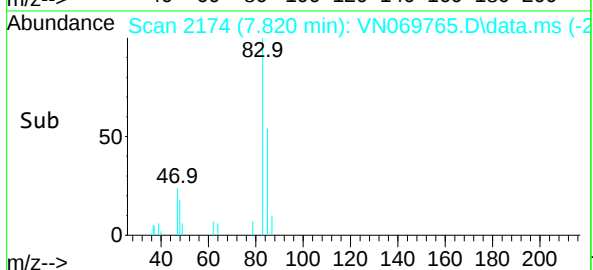
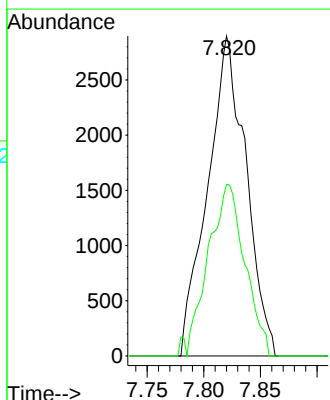
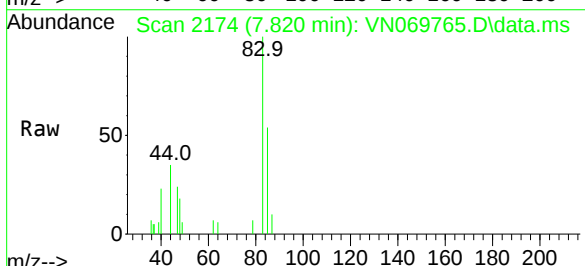
Acq: 4 Dec 2021 15:05

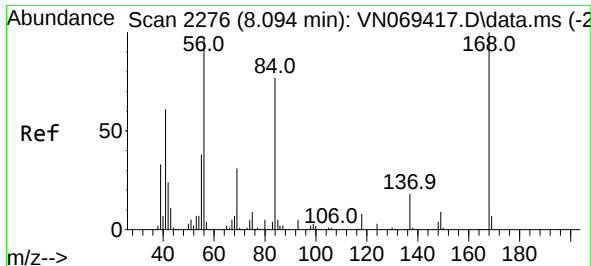
Tgt Ion: 83 Resp: 6805

Ion Ratio Lower Upper

83 100

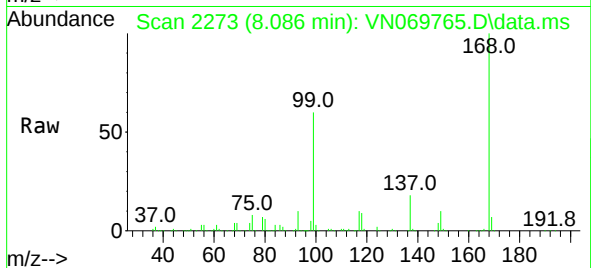
85 53.6 51.9 77.9



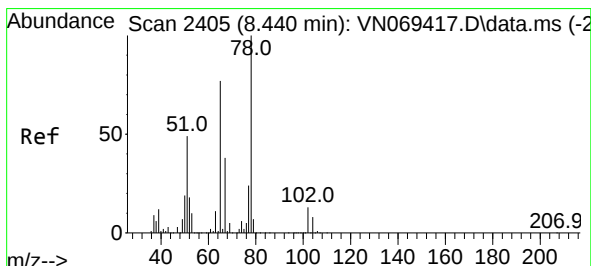
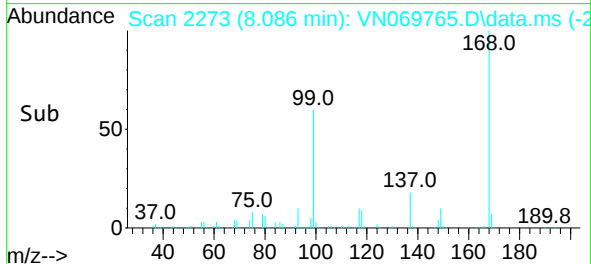
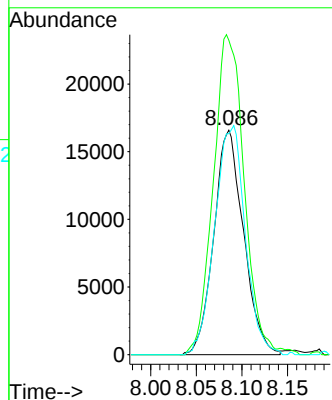


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Instrument :
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ClientSampleId :
RE131D1-20211130DL

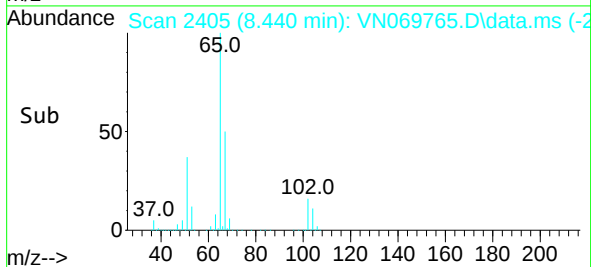
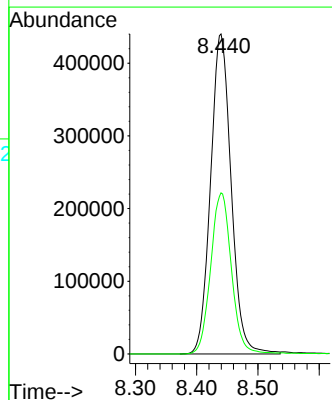
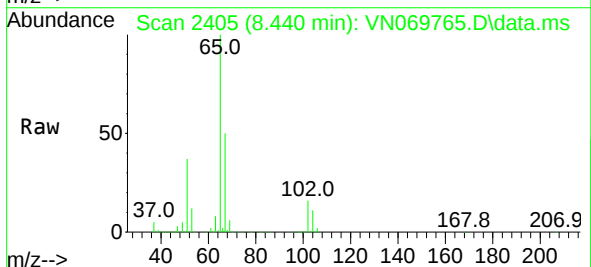


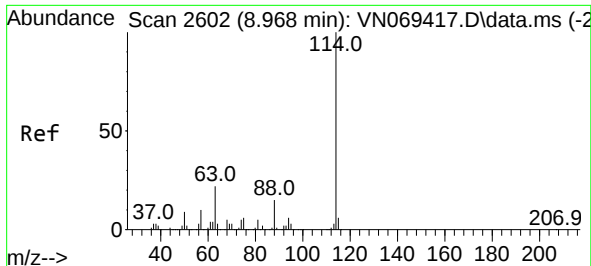
Tgt Ion: 56 Resp: 37628
Ion Ratio Lower Upper
56 100
69 140.1 27.1 40.7#
84 98.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.449 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

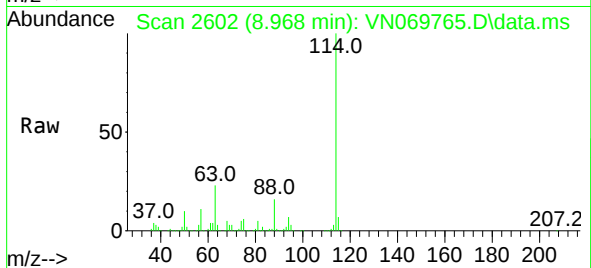
Tgt Ion: 65 Resp: 1028243
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



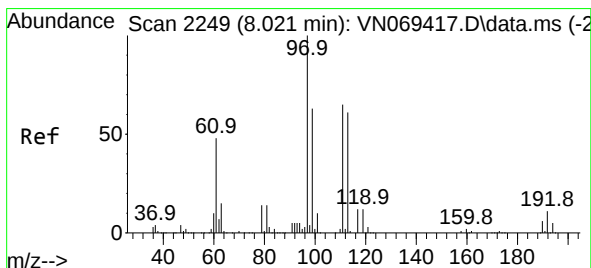
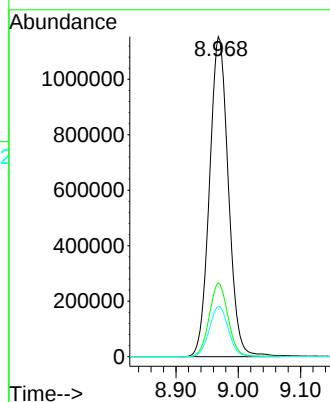
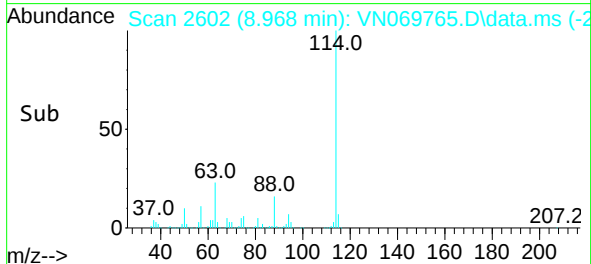


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

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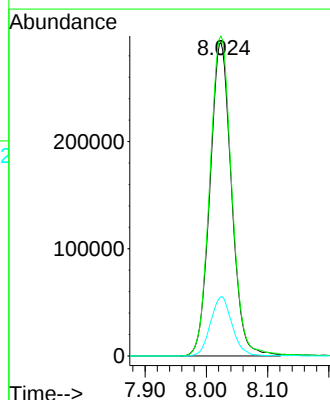
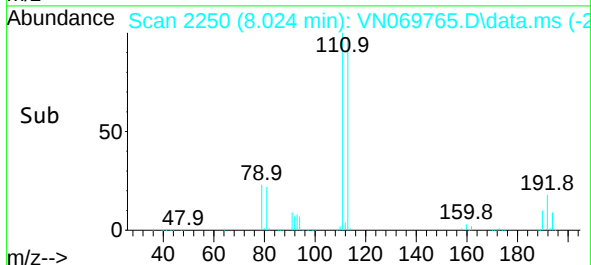
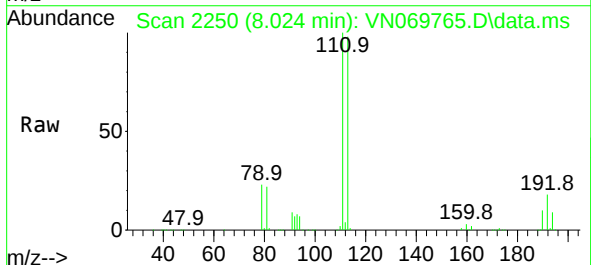


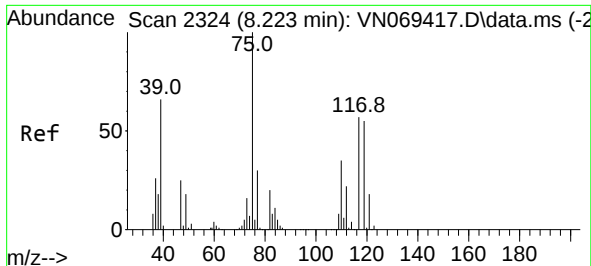
Tgt Ion:114 Resp: 2424774
Ion Ratio Lower Upper
114 100
63 23.0 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.096 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion:113 Resp: 715307
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 18.9 16.9 25.3

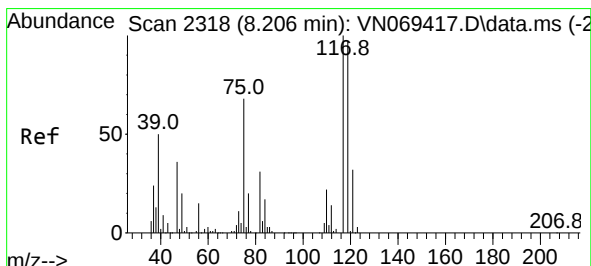
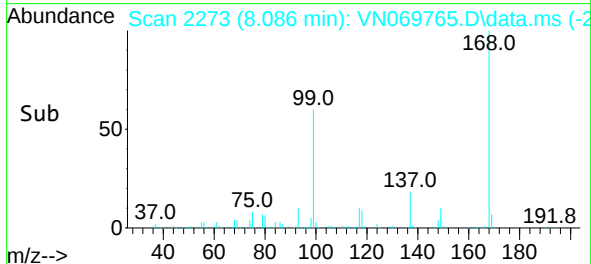
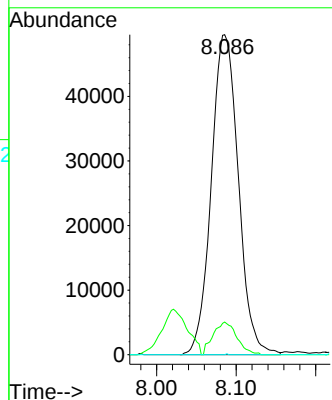
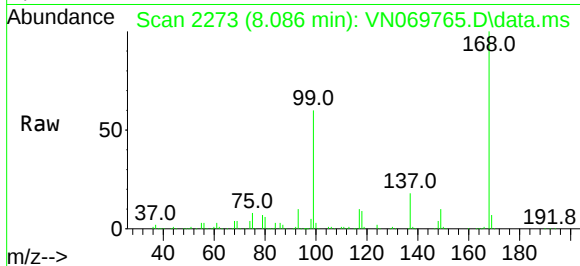




#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

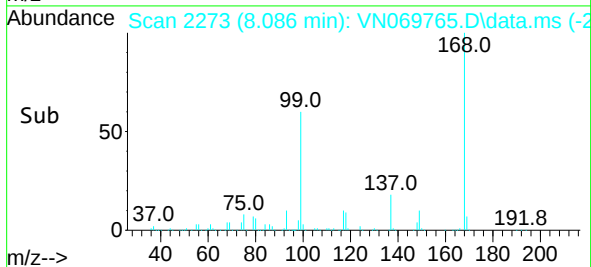
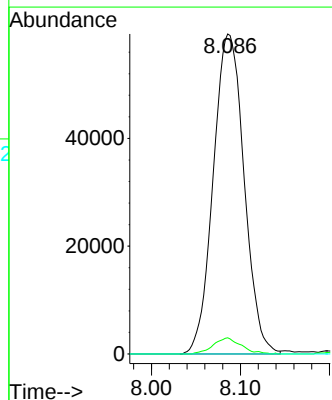
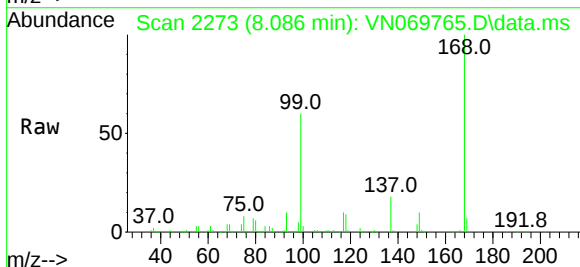
Instrument :
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RE131D1-20211130DL

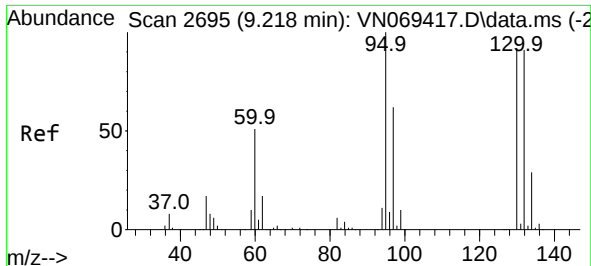
Tgt Ion: 75 Resp: 117201
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 117 Resp: 143039
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

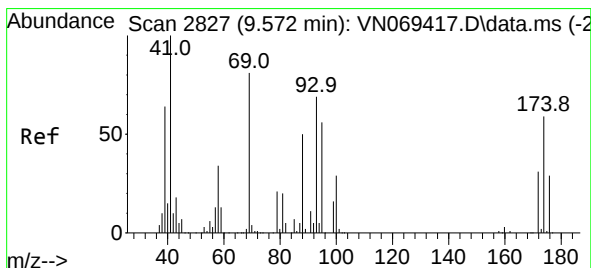
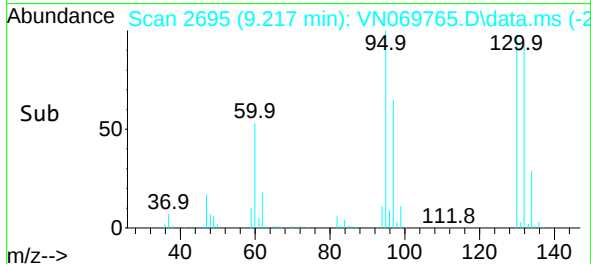
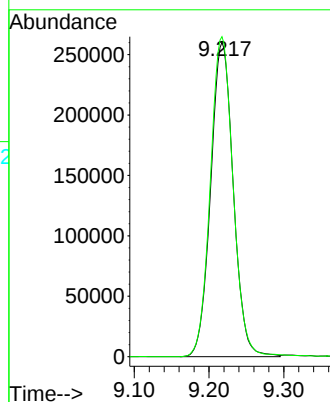
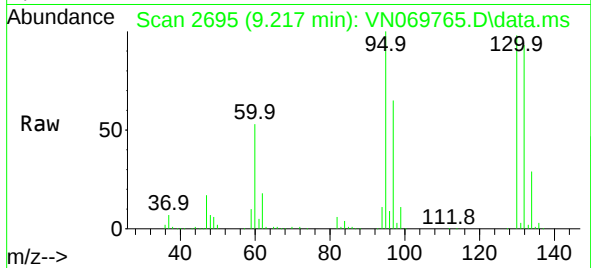




#44
Trichloroethene
Concen: 32.402 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

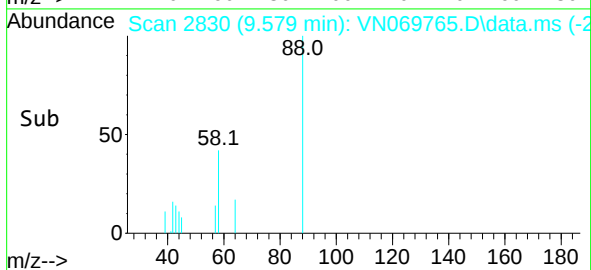
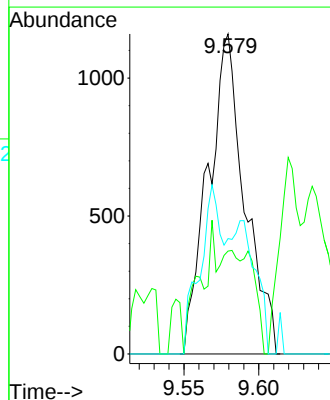
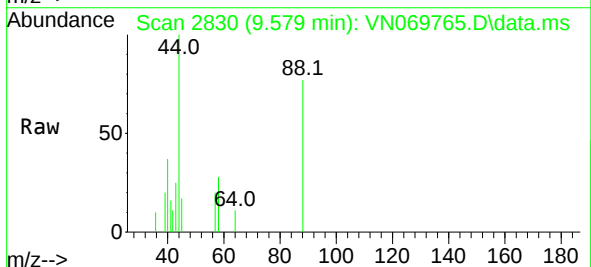
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

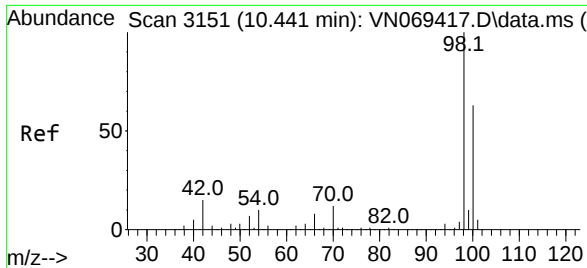
Tgt Ion:130 Resp: 545652
Ion Ratio Lower Upper
130 100
95 101.8 0.0 191.2



#49
1,4-Dioxane
Concen: 4.644 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 88 Resp: 1977
Ion Ratio Lower Upper
88 100
43 3.5 23.4 35.2#
58 31.4 50.6 75.8#

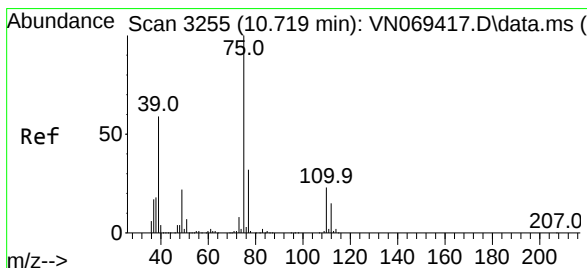
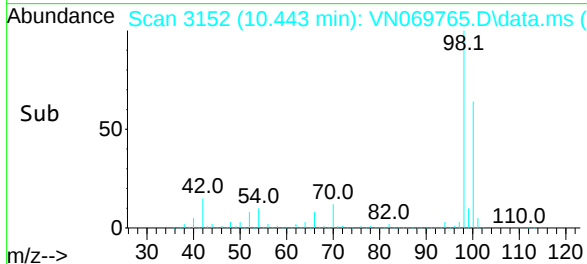
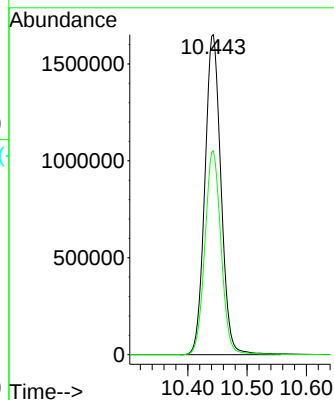
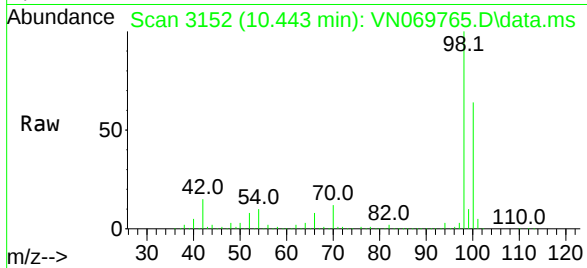




#50
Toluene-d8
Concen: 51.032 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

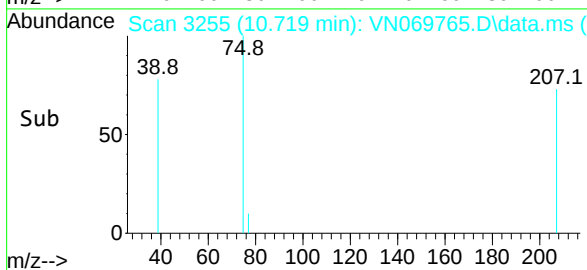
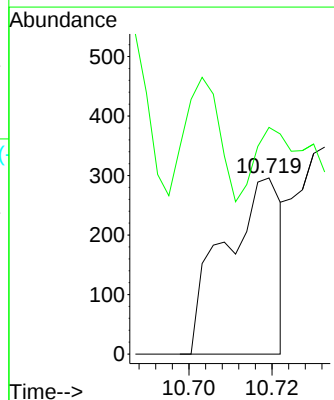
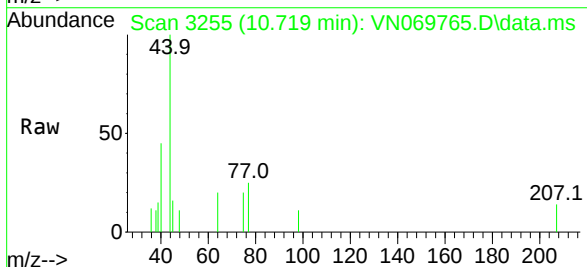
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

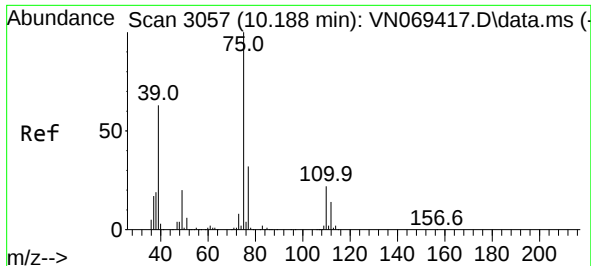
Tgt Ion: 98 Resp: 3112259
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.803 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 75 Resp: 279
Ion Ratio Lower Upper
75 100
77 11.1 25.6 38.4#

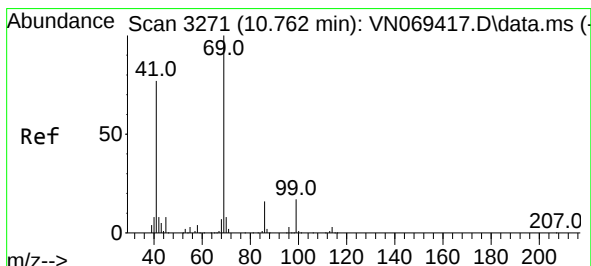
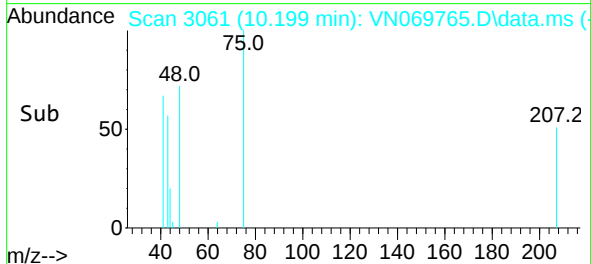
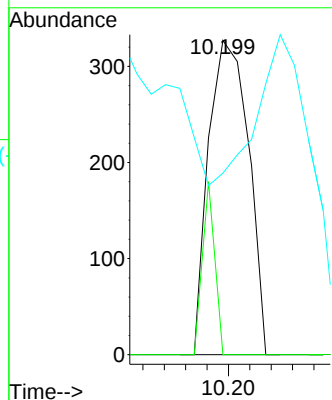
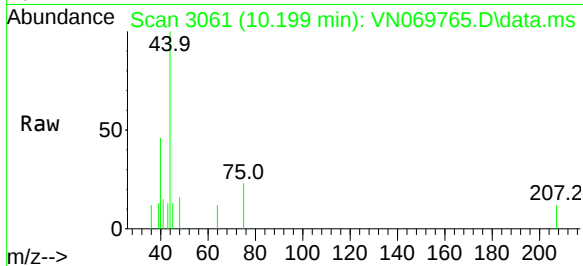




#54
 cis-1,3-Dichloropropene
 Concen: 2.004 ug/l
 RT: 10.199 min Scan# 3057
 Delta R.T. 0.008 min
 Lab File: VN069765.D
 Acq: 4 Dec 2021 15:05

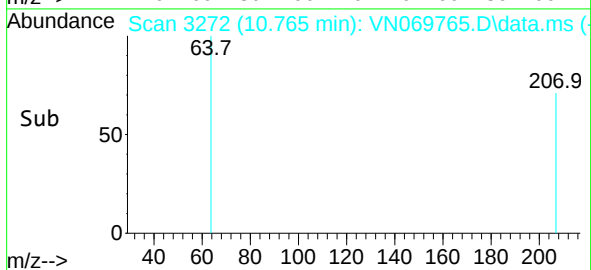
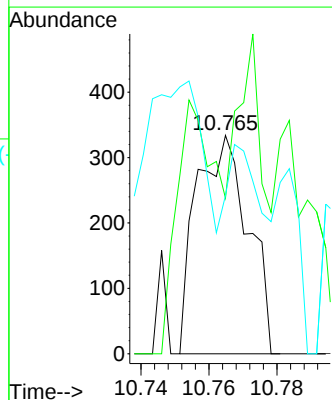
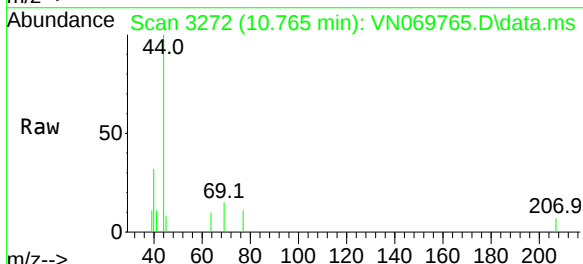
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20211130DL

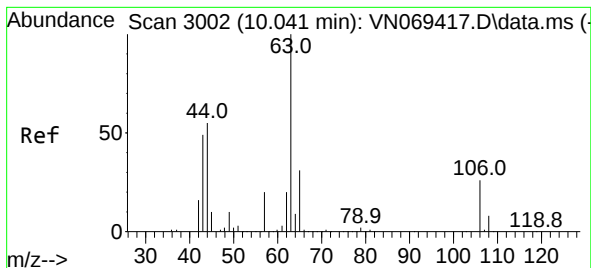
Tgt Ion: 75 Resp: 170
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.289 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN069765.D
 Acq: 4 Dec 2021 15:05

Tgt Ion: 69 Resp: 354
 Ion Ratio Lower Upper
 69 100
 41 66.4 51.4 77.0
 39 50.0 34.6 52.0

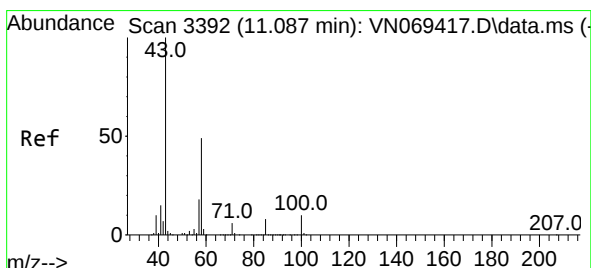
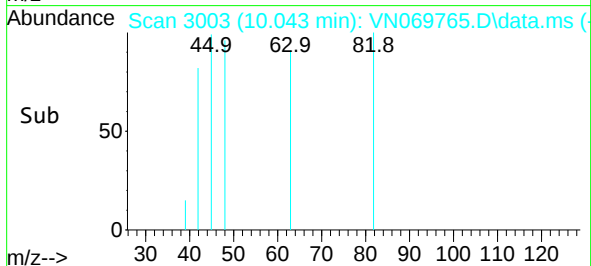
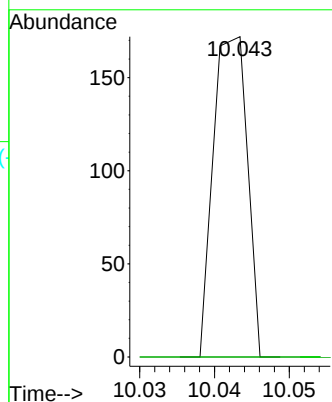
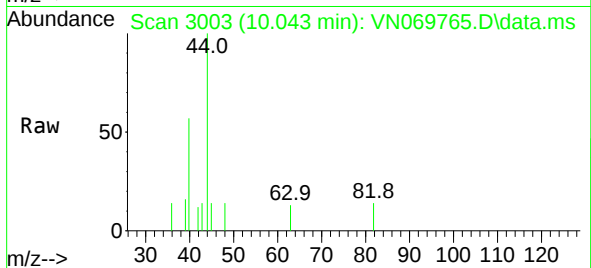




#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.043 min Scan# 3002
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

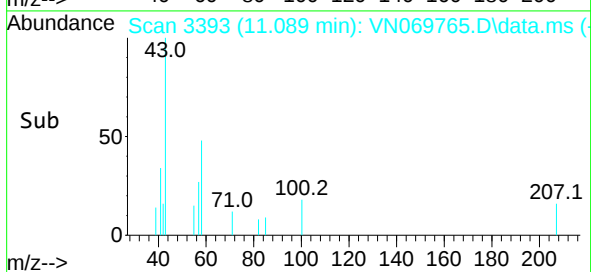
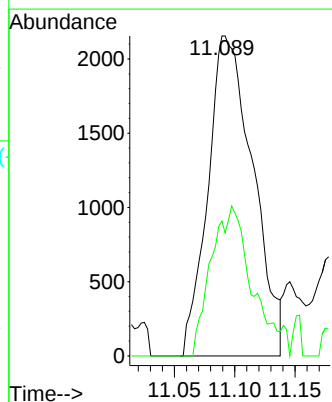
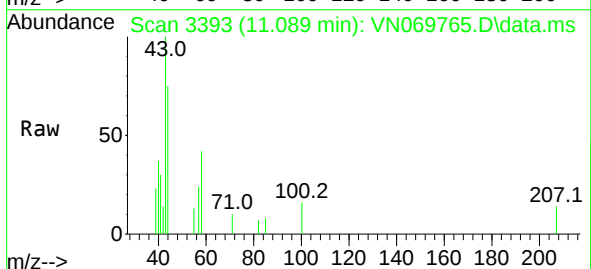
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

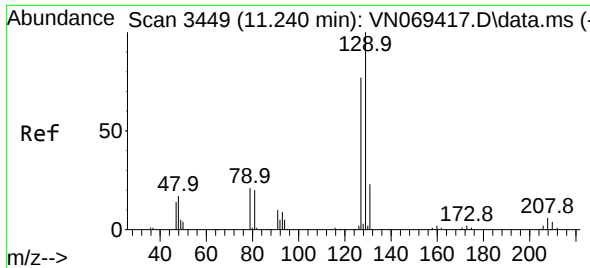
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.224 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 43 Resp: 5593
Ion Ratio Lower Upper
43 100
58 42.9 26.9 80.7

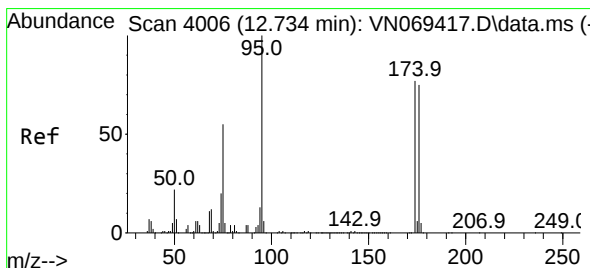
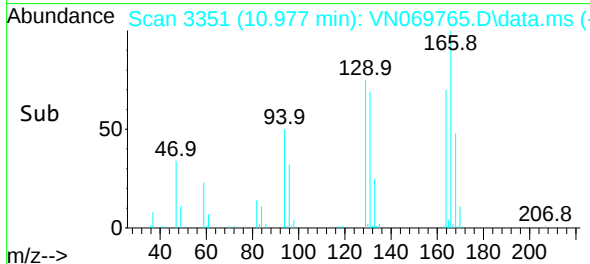
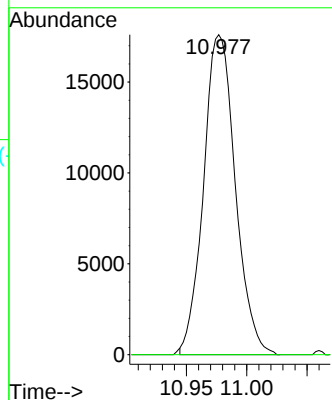
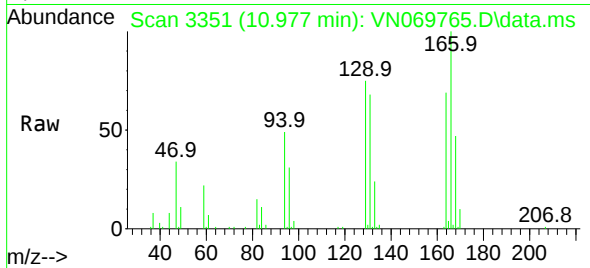




#60
Dibromochloromethane
Concen: 4.028 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

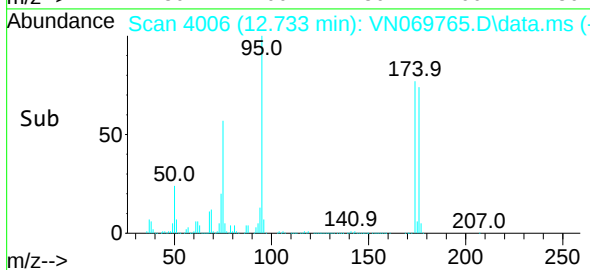
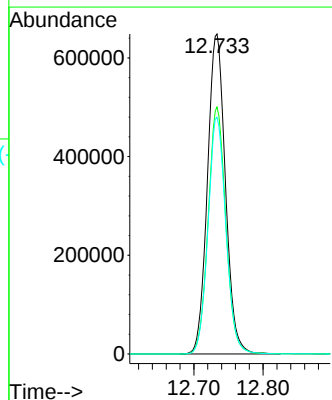
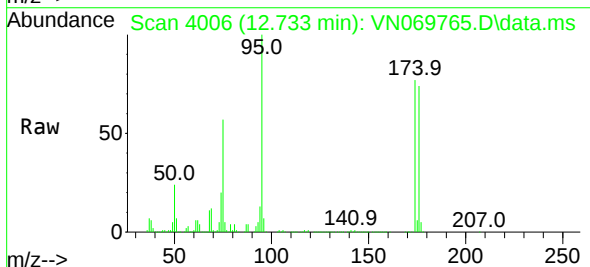
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

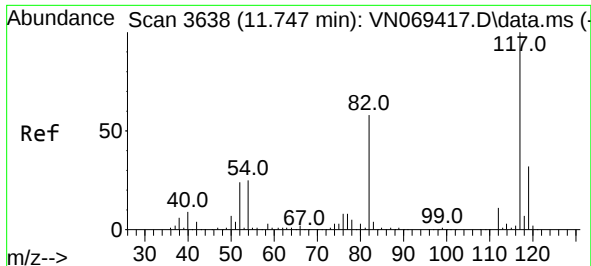
Tgt Ion:129 Resp: 32300
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.017 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 95 Resp: 1171352
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.4 0.0 181.4

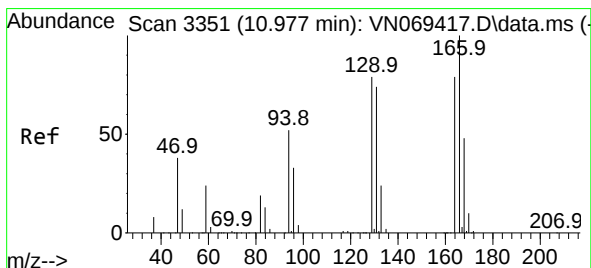
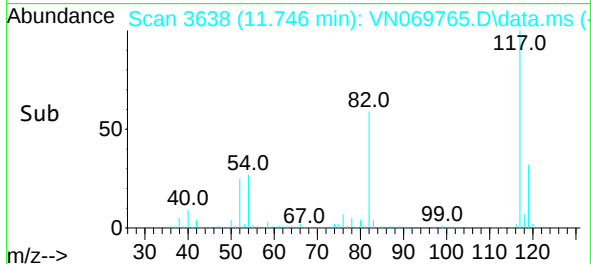
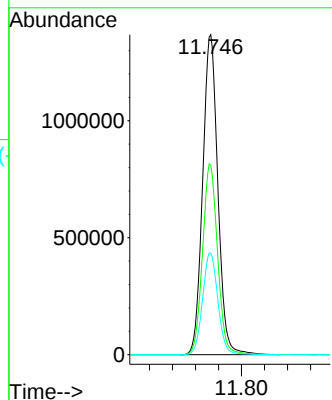
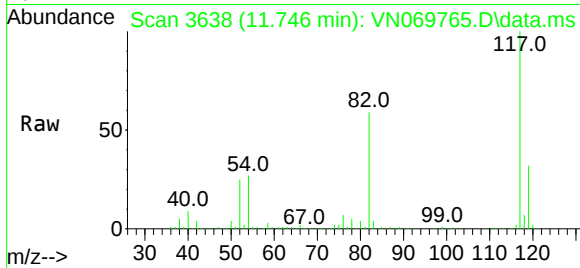




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

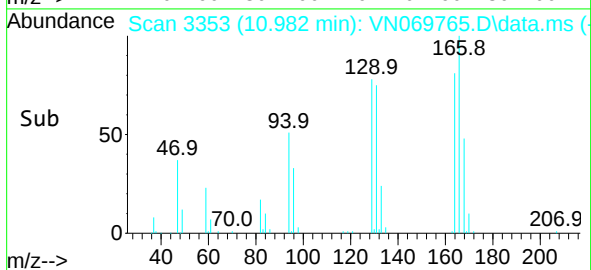
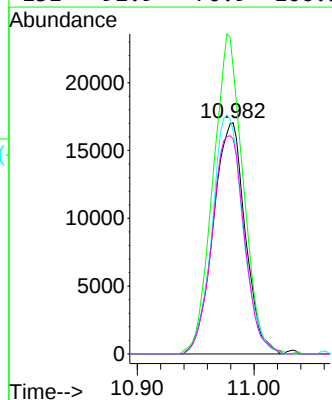
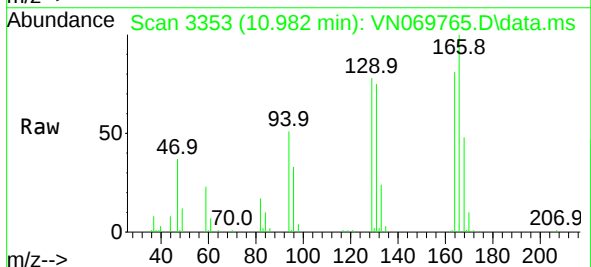
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

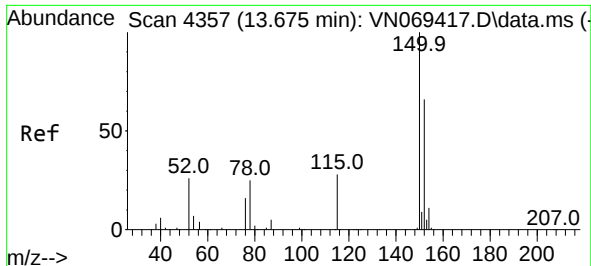
Tgt Ion:117 Resp: 2506577
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 1.900 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

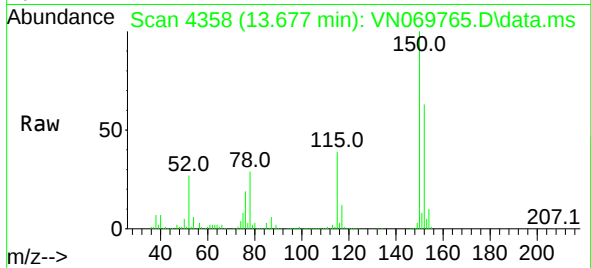
Tgt Ion:164 Resp: 32286
Ion Ratio Lower Upper
164 100
166 123.8 101.9 152.9
129 96.3 72.0 108.0
131 92.9 70.9 106.3



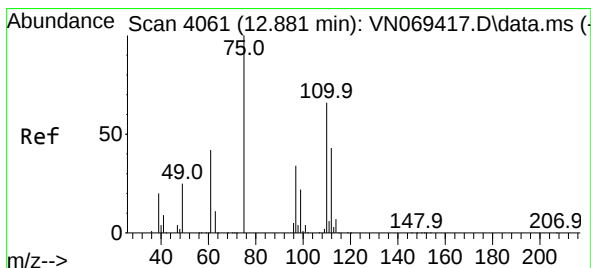
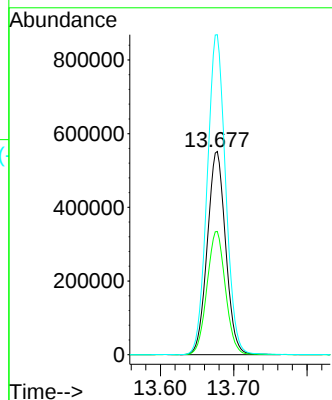
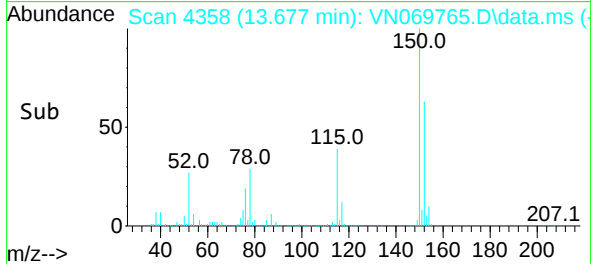


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

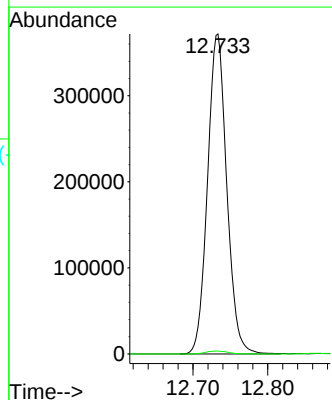
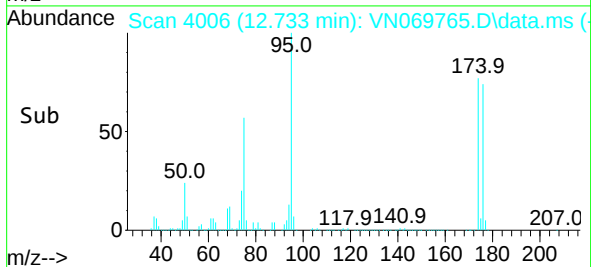
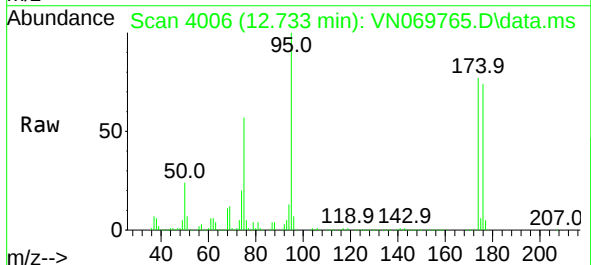


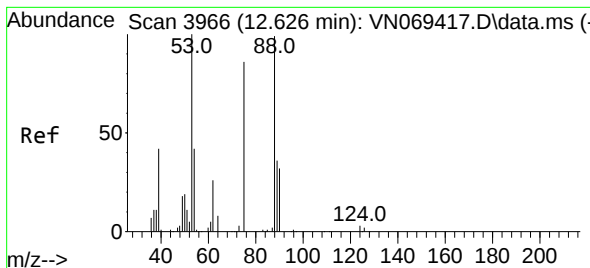
Tgt Ion:152 Resp: 959066
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.160 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion: 75 Resp: 664483
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

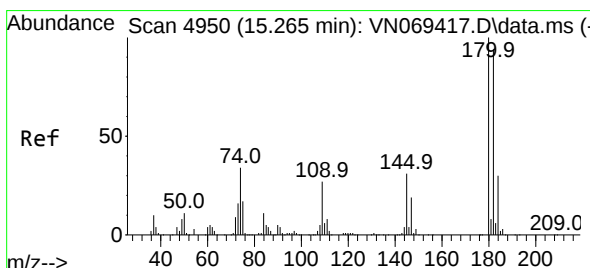
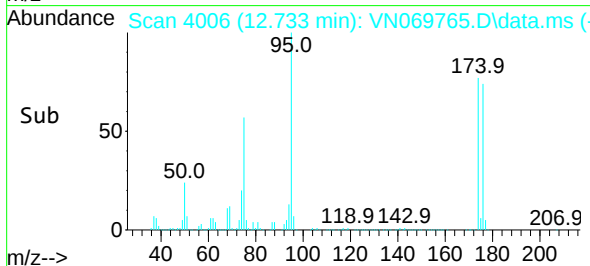
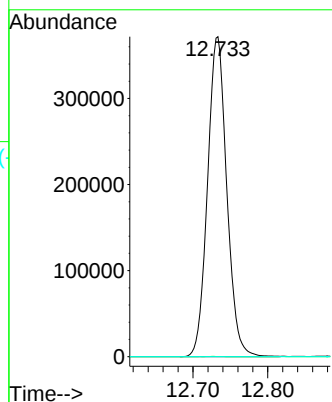
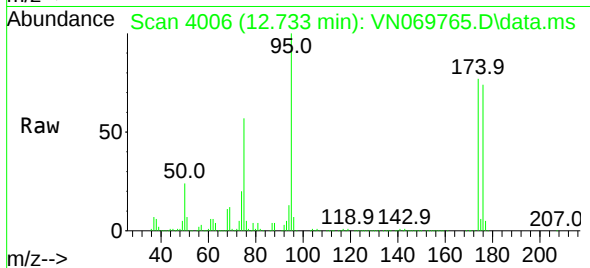




#81
trans-1,4-Dichloro-2-butene
Concen: 76.710 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

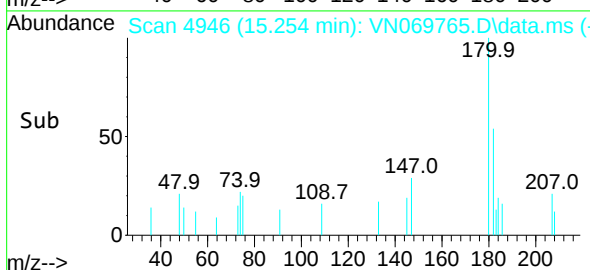
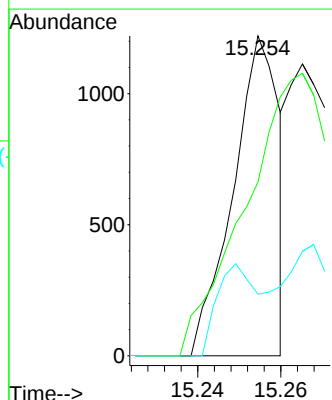
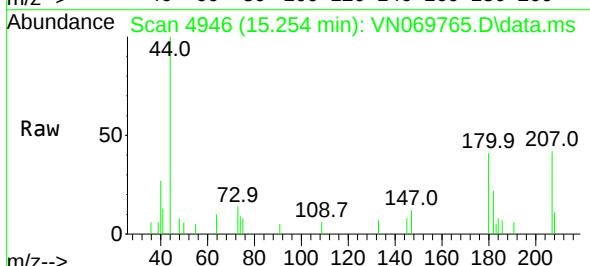
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

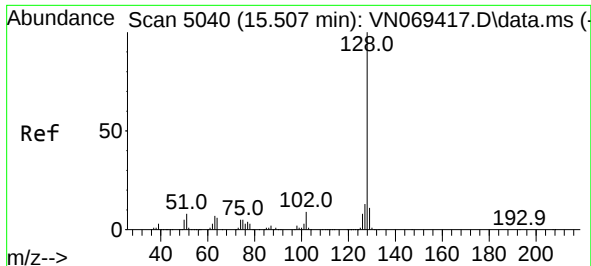
Tgt Ion: 75 Resp: 664483
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.934 ug/l
RT: 15.254 min Scan# 4946
Delta R.T. -0.011 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion:180 Resp: 937
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 23.6 14.5 43.5

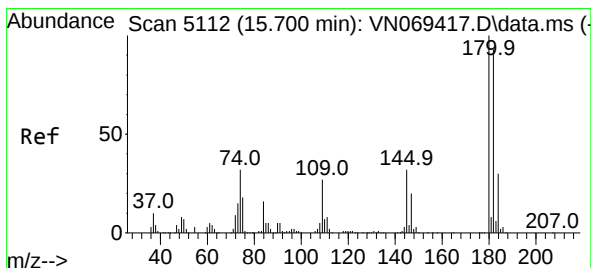
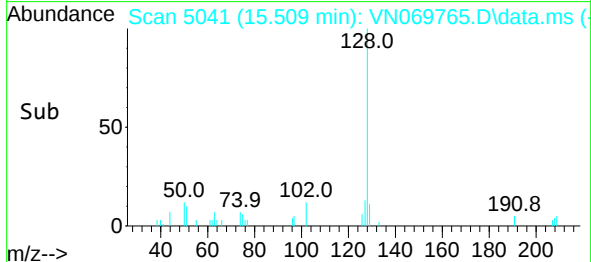
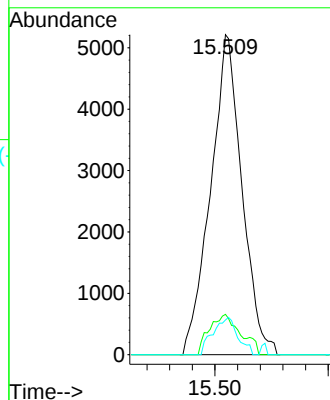
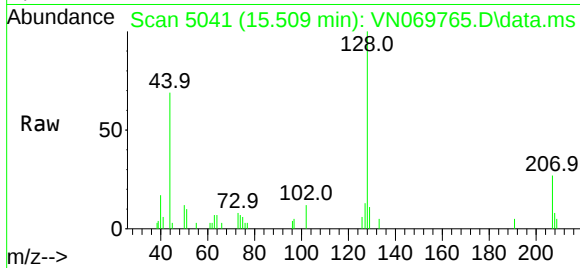




#95
Naphthalene
Concen: 4.181 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20211130DL

Tgt Ion:128	Resp:	10000
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.5 15.7
129	9.2	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.600 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069765.D
Acq: 4 Dec 2021 15:05

Tgt Ion:180	Resp:	2643
Ion Ratio	Lower	Upper
180	100	
182	88.9	47.4 142.2
145	22.9	15.0 45.1

