

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068527.D
 Acq On : 17 Sep 2021 18:16
 Operator : JC/MD
 Sample : M3781-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20210916

Quant Time: Sep 20 03:59:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

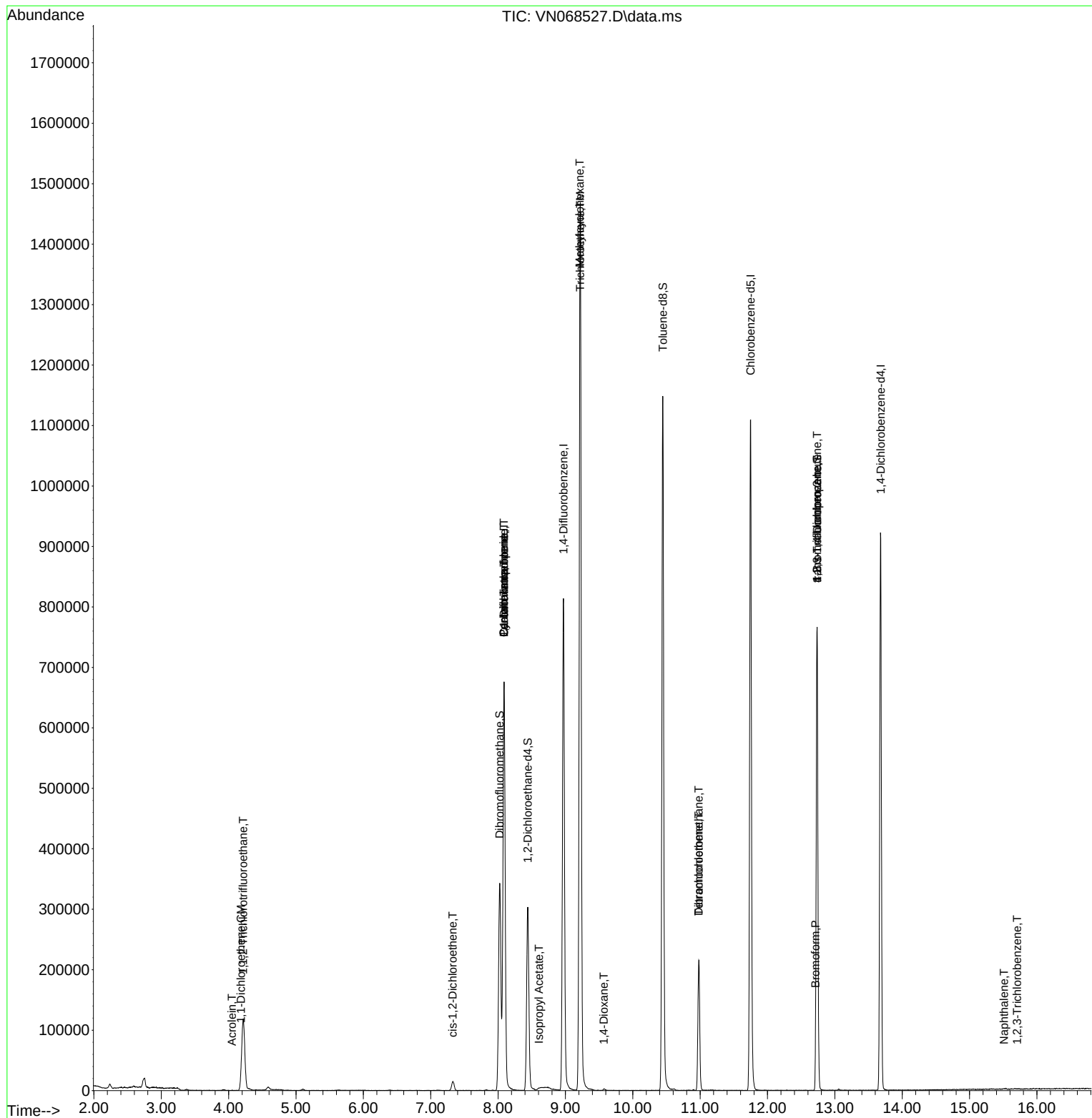
Internal Standards						
1) Pentafluorobenzene	8.088	168	610690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	805115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	738769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	286441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	252902	45.146	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.300%
35) Dibromofluoromethane	8.024	113	250930	51.675	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.360%
50) Toluene-d8	10.446	98	872279	44.241	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	88.480%
62) 4-Bromofluorobenzene	12.736	95	251641	39.301	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	78.600%
Target Compounds						
3) Chloromethane	2.303	50	1110	Below Cal	#	87
5) Bromomethane	2.885	94	1608	Below Cal	#	59
9) 1,1,2-Trichlorotrifluo...	4.216	101	78094	14.901	ug/l	95
12) 1,1-Dichloroethene	4.183	96	1908	0.398	ug/l	81
13) Acrolein	4.049	56	84	0.202	ug/l	92
16) Acetone	4.293	43	1228	Below Cal	#	82
18) Methyl Acetate	4.851	43	244	Below Cal	#	45
20) Methylene Chloride	5.098	84	1729	Below Cal	#	59
27) cis-1,2-Dichloroethene	7.327	96	10376	1.613	ug/l	88
31) Cyclohexane	8.088	56	8919	1.051	ug/l #	38
36) 1,1-Dichloropropene	8.088	75	33072	4.927	ug/l #	47
38) Carbon Tetrachloride	8.088	117	49906	6.206	ug/l #	16
39) Methylcyclohexane	9.212	83	3658	0.431	ug/l #	1
43) Isopropyl Acetate	8.606	43	2489	0.276	ug/l #	51
44) Trichloroethene	9.220	130	604206	96.046	ug/l	98
49) 1,4-Dioxane	9.569	88	2169	25.135	ug/l #	87
60) Dibromochloromethane	10.980	129	49177	8.416	ug/l #	11
64) Tetrachloroethene	10.980	164	56355	8.607	ug/l	98
71) Bromoform	12.712	173	100	2.543	ug/l #	29
76) 1,2,3-Trichloropropane	12.736	75	122996	30.803	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	122996	95.162	ug/l #	13
95) Naphthalene	15.509	128	570	3.543	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	248	3.020	ug/l #	12

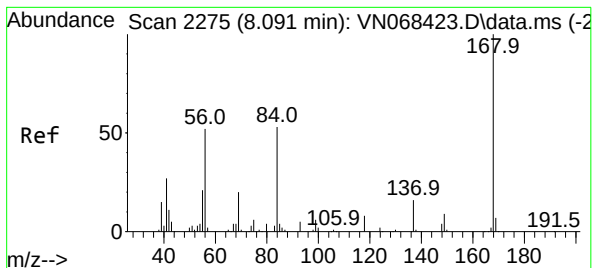
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068527.D

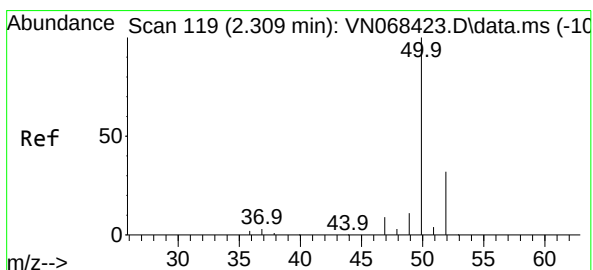
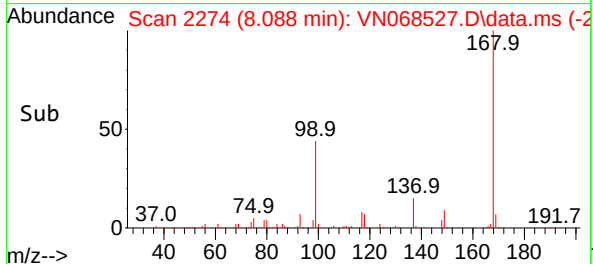
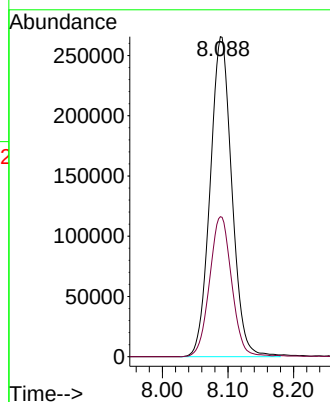
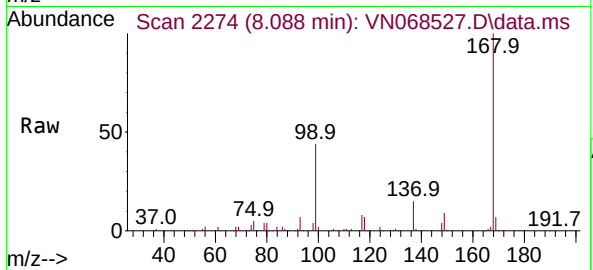
Acq: 17 Sep 2021 18:16

Tgt Ion:168 Resp: 610690

Ion Ratio Lower Upper

168 100

99 43.8 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. -0.006 min

Lab File: VN068527.D

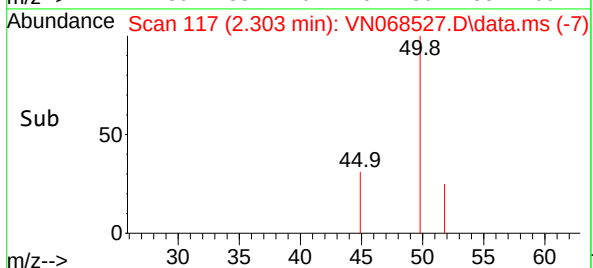
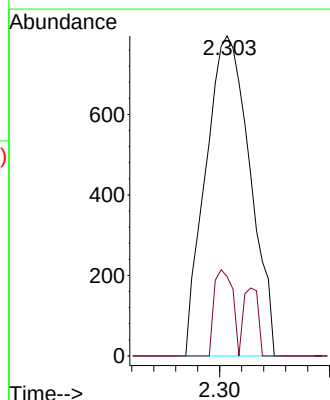
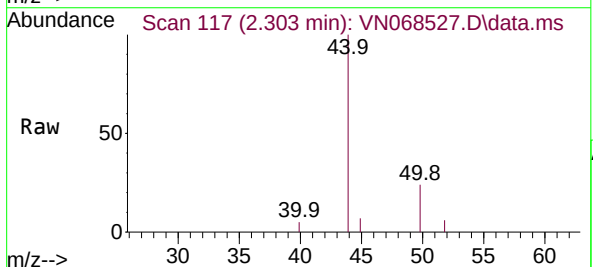
Acq: 17 Sep 2021 18:16

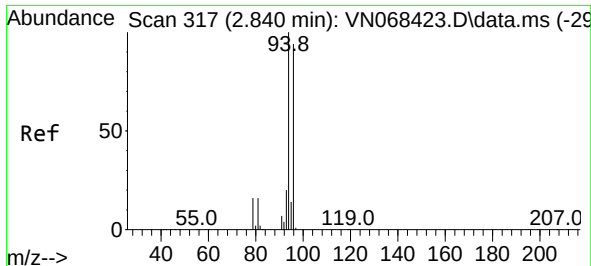
Tgt Ion: 50 Resp: 1110

Ion Ratio Lower Upper

50 100

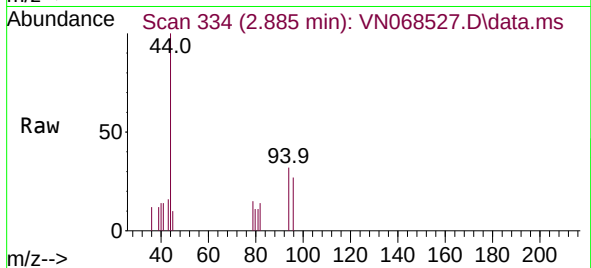
52 24.8 25.8 38.6#



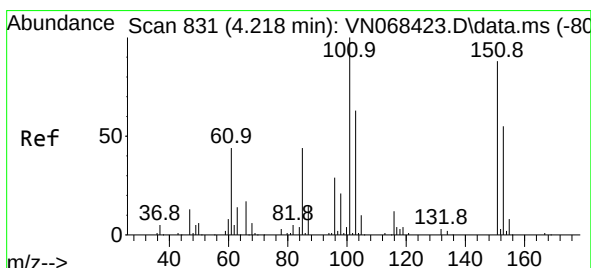
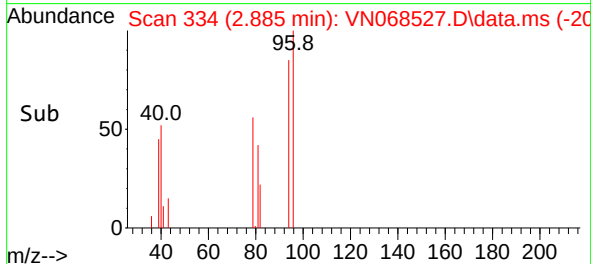
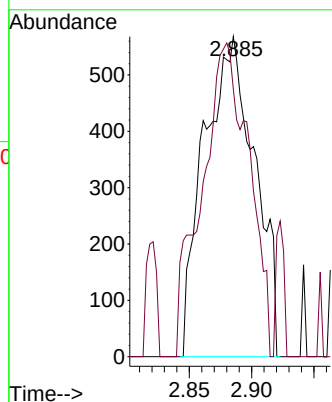


#5
Bromomethane
Concen: Below Cal
RT: 2.885 min Scan# 334
Delta R.T. 0.045 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

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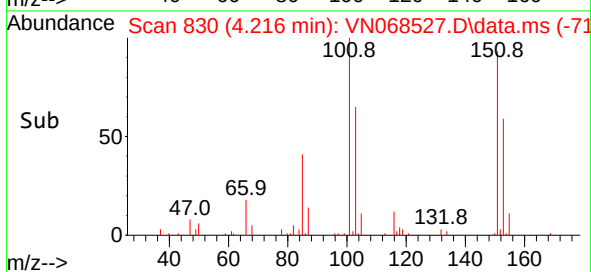
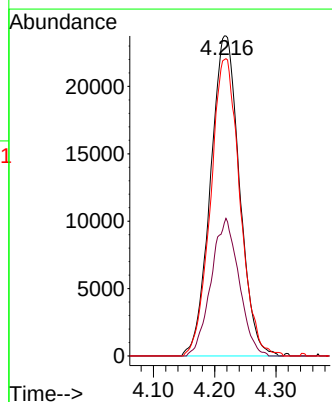
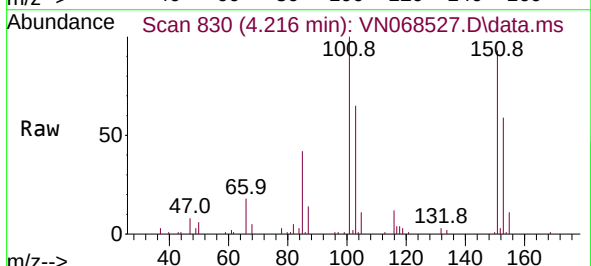


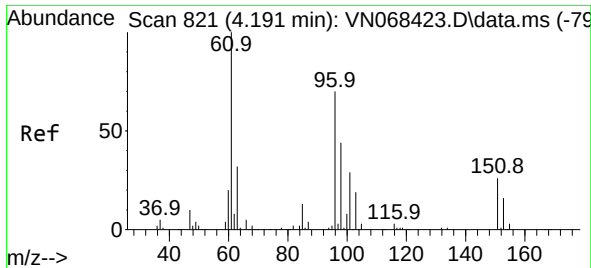
Tgt Ion: 94 Resp: 1608
Ion Ratio Lower Upper
94 100
96 54.2 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.901 ug/l
RT: 4.216 min Scan# 830
Delta R.T. -0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 101 Resp: 78094
Ion Ratio Lower Upper
101 100
85 41.3 35.7 53.5
151 93.7 71.6 107.4

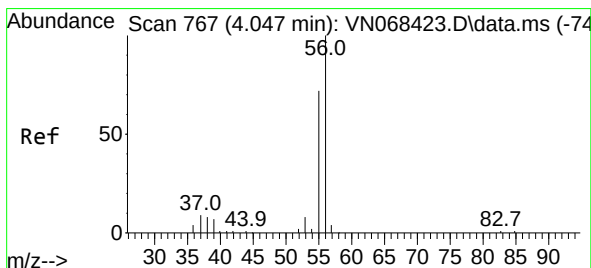
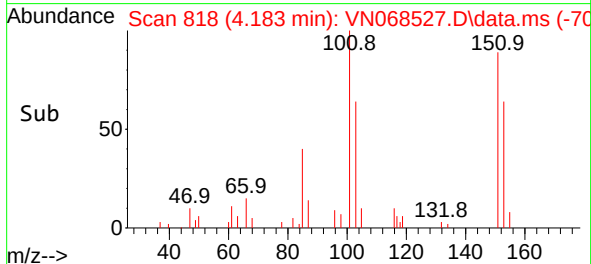
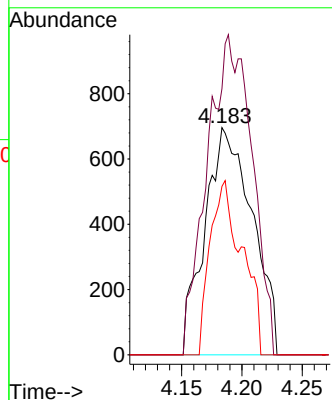
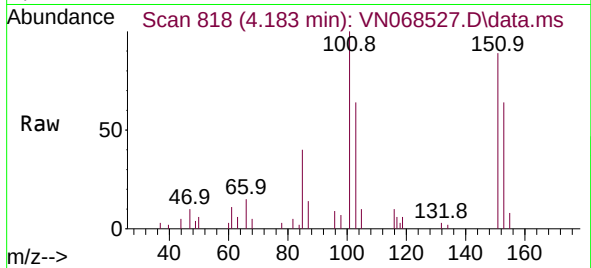




#12
1,1-Dichloroethene
Concen: 0.398 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.008 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

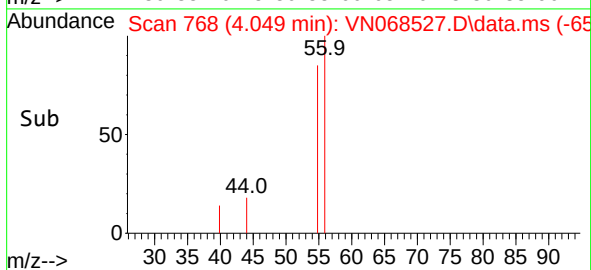
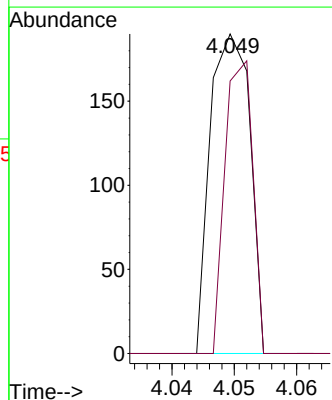
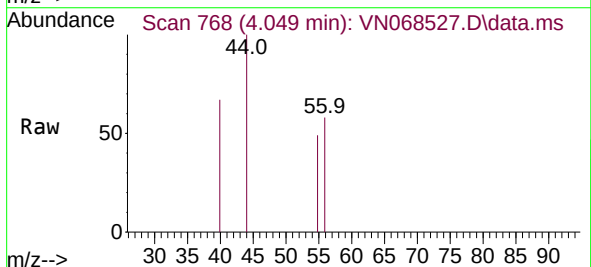
Instrument :
MSVOA_N
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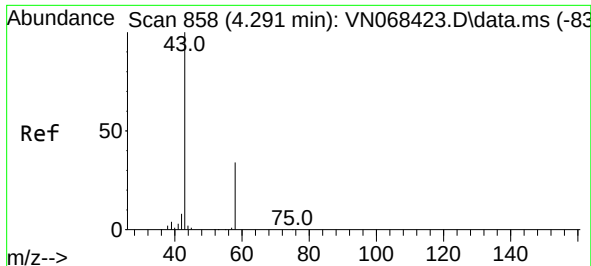
Tgt Ion: 96 Resp: 1908
Ion Ratio Lower Upper
96 100
61 117.2 114.7 172.1
98 74.1 50.9 76.3



#13
Acrolein
Concen: 0.202 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 64.3 56.8 85.2

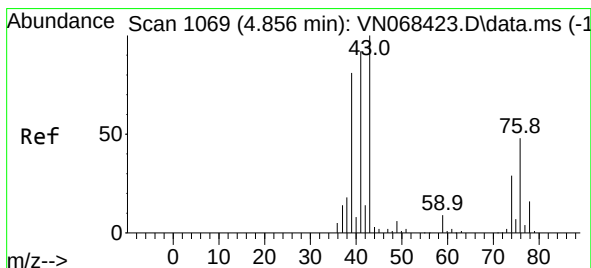
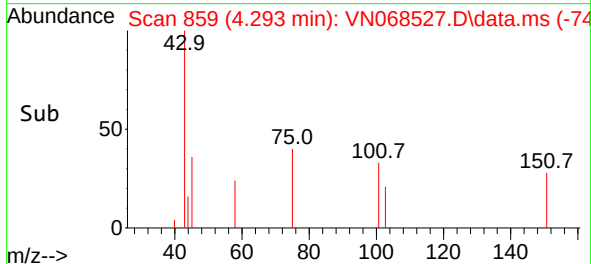
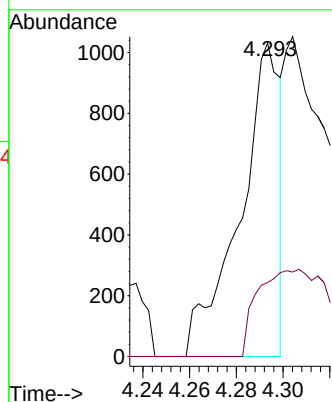
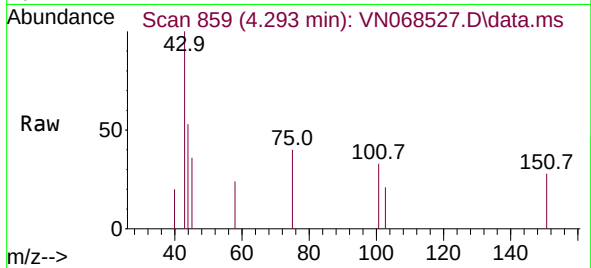




#16
Acetone
Concen: Below Cal
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

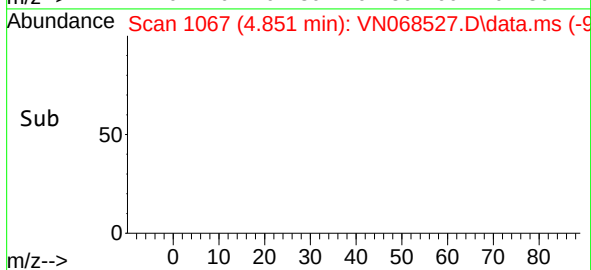
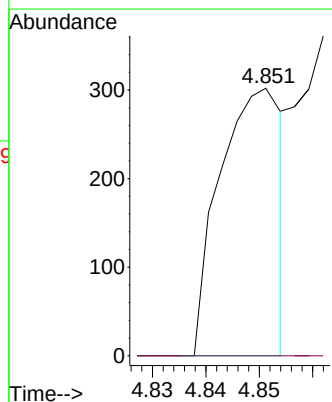
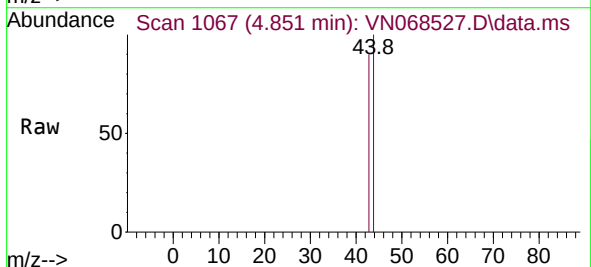
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

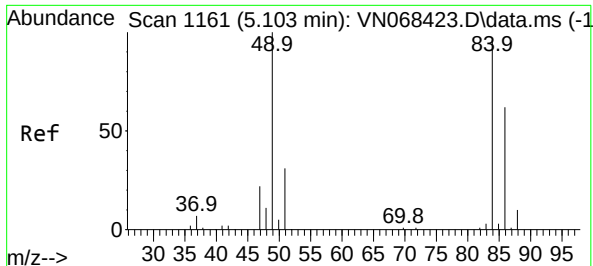
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 23.6 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

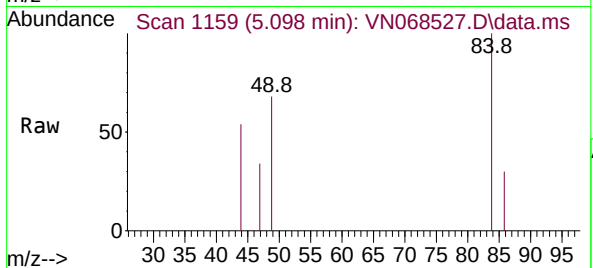
Tgt Ion: 43 Resp: 244
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





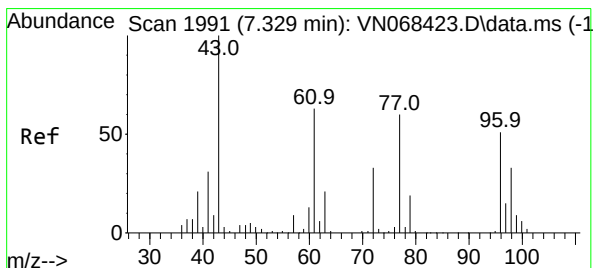
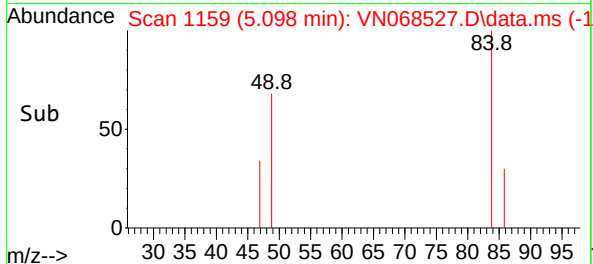
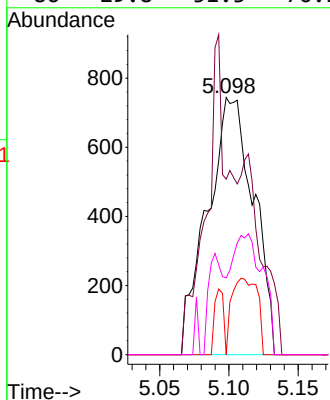
#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. -0.005 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916



Tgt Ion: 84 Resp: 1729

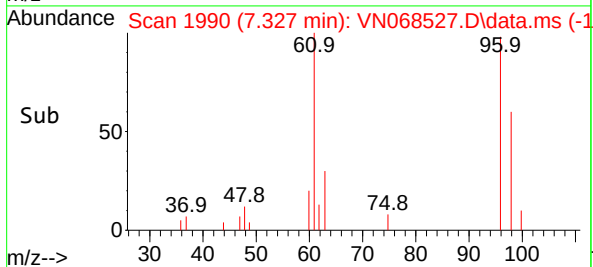
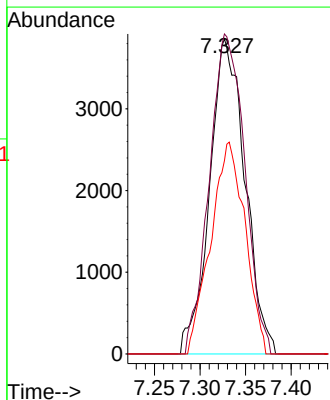
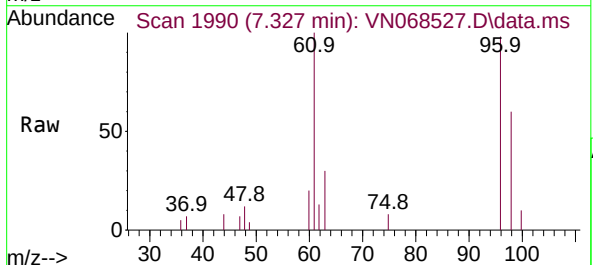
Ion	Ratio	Lower	Upper
84	100		
49	68.3	83.0	124.6#
51	0.0	25.4	38.0#
86	29.8	51.3	76.9#

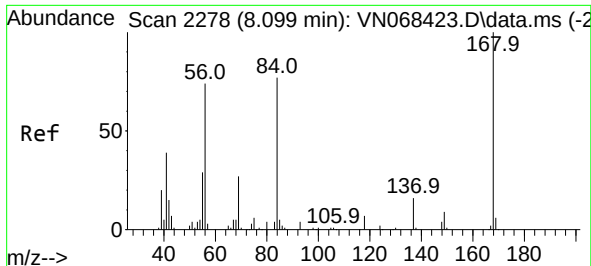


#27
cis-1,2-Dichloroethene
Concen: 1.613 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 96 Resp: 10376

Ion	Ratio	Lower	Upper
96	100		
61	101.9	0.0	246.4
98	65.3	0.0	130.4

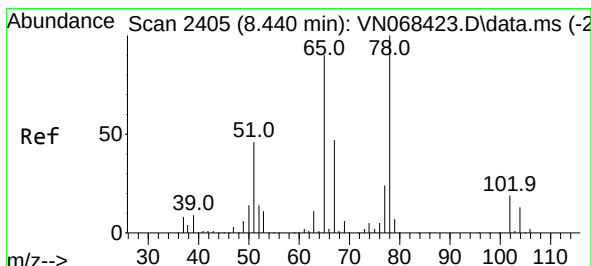
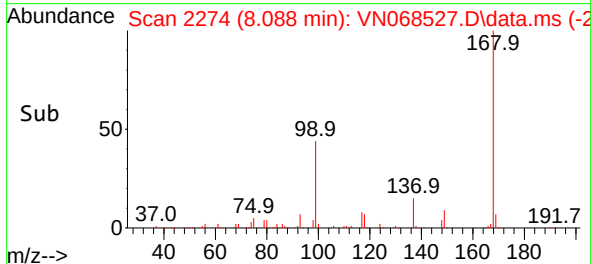
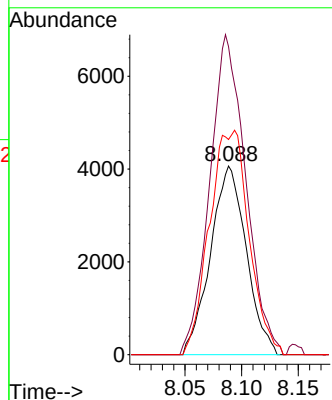
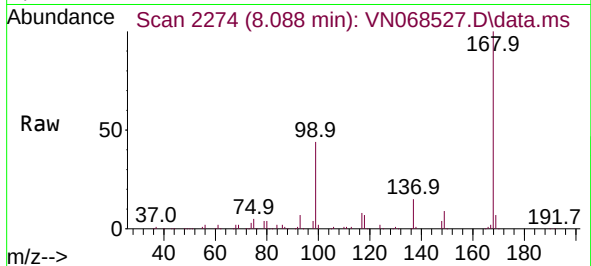




#31
Cyclohexane
Concen: 1.051 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

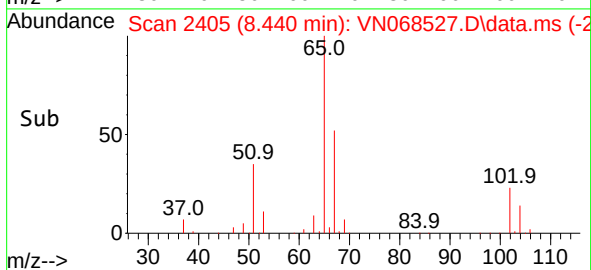
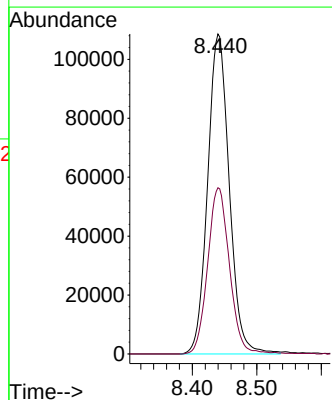
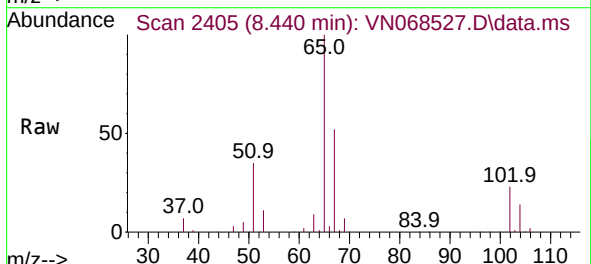
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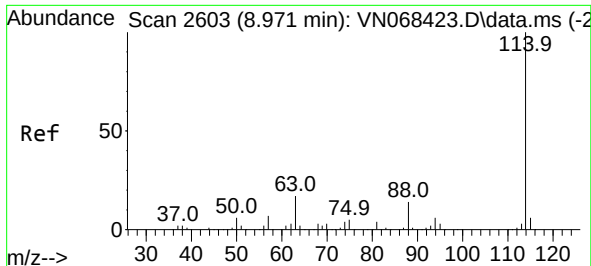
Tgt Ion: 56 Resp: 8919
Ion Ratio Lower Upper
56 100
69 163.3 29.4 44.0#
84 114.0 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 45.146 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 65 Resp: 252902
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0

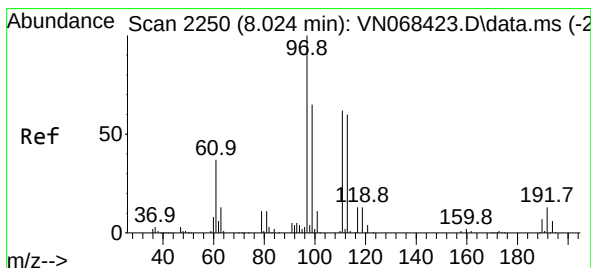
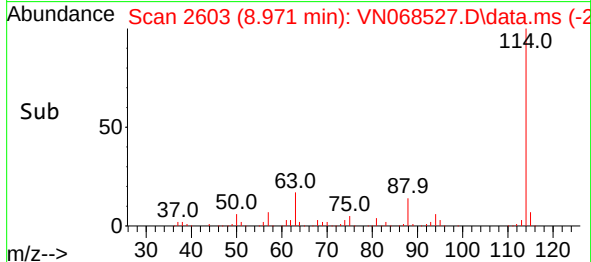
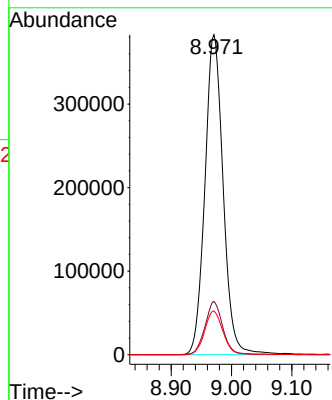
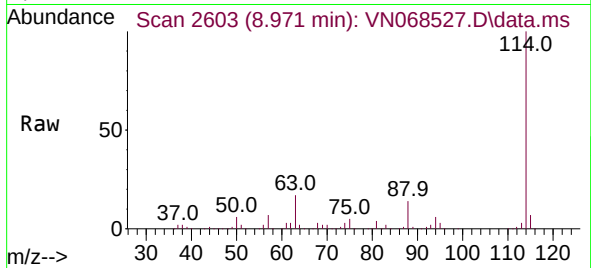




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

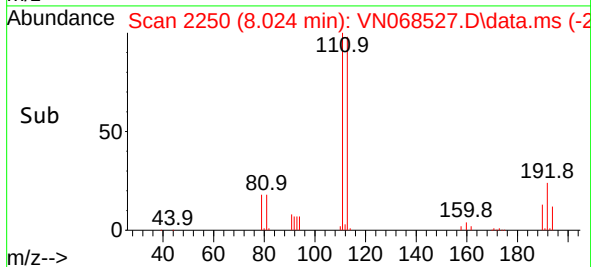
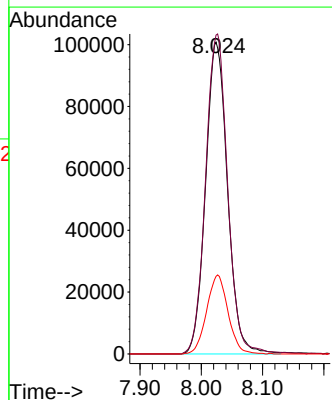
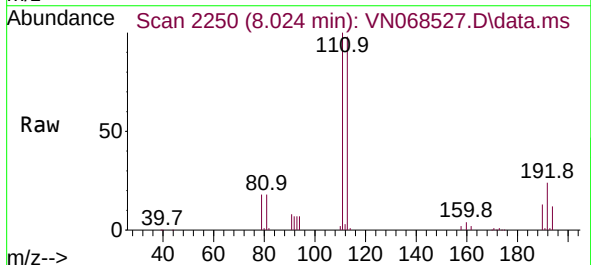
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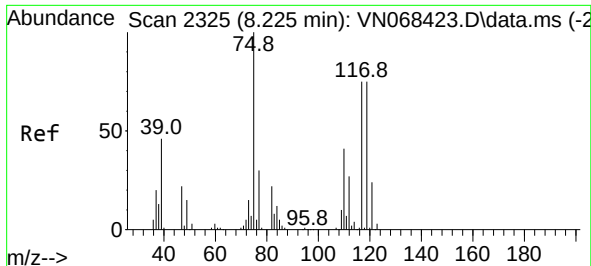
Tgt Ion:114 Resp: 805115
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.2
88 13.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.675 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion:113 Resp: 250930
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 24.7 17.7 26.5

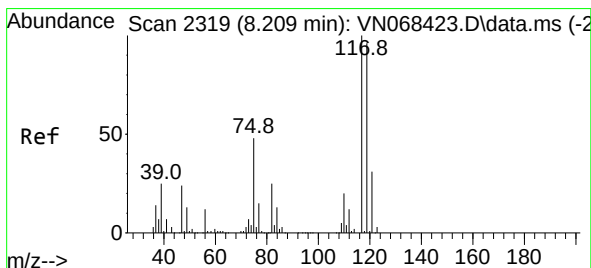
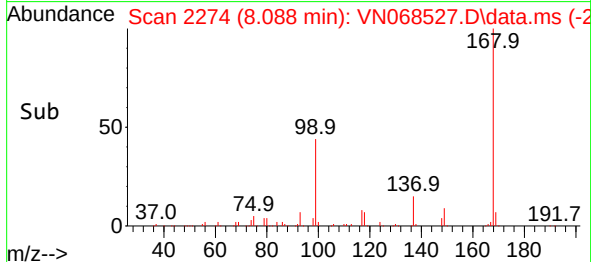
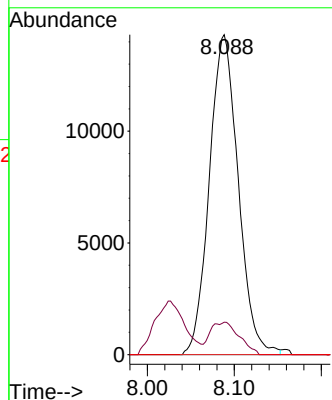
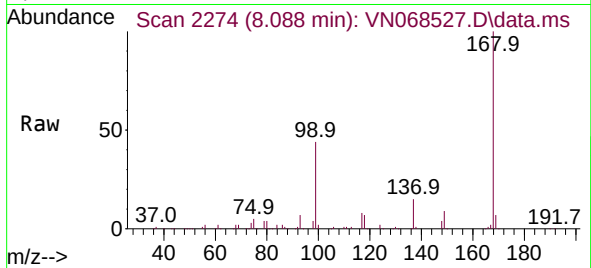




#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

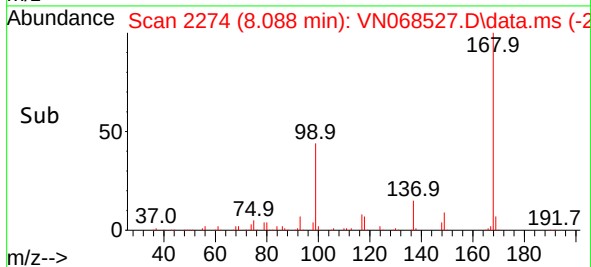
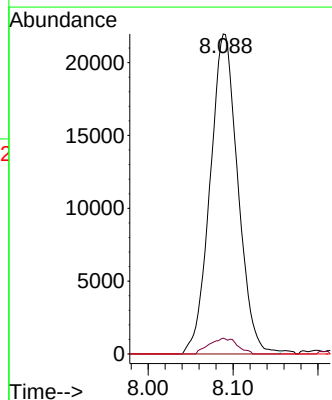
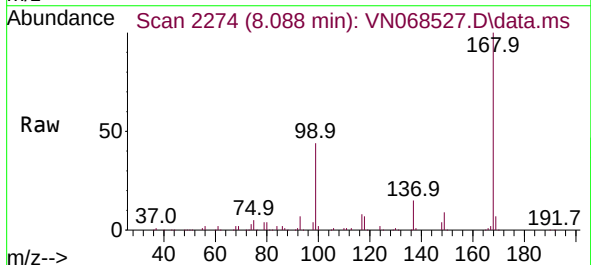
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

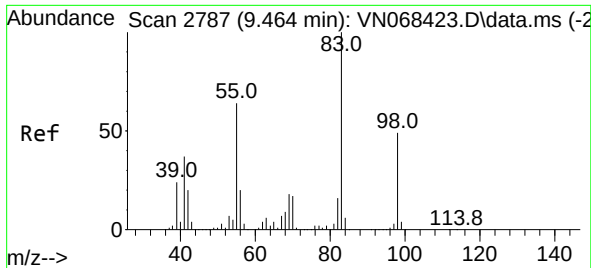
Tgt Ion: 75 Resp: 33072
Ion Ratio Lower Upper
75 100
110 10.2 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 117 Resp: 49906
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 24.5 36.7#

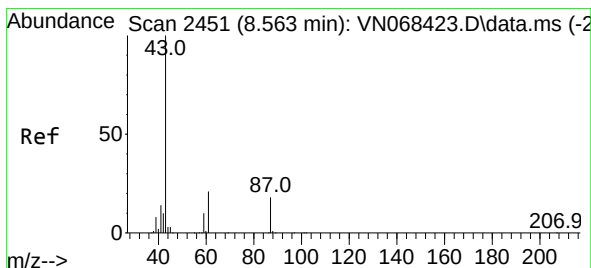
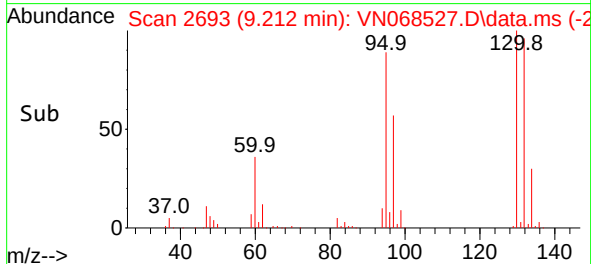
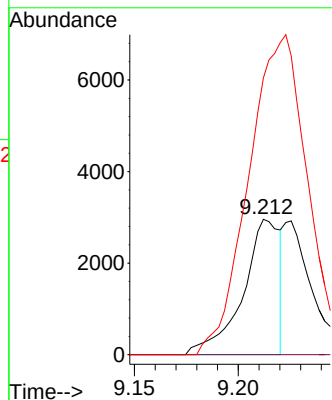
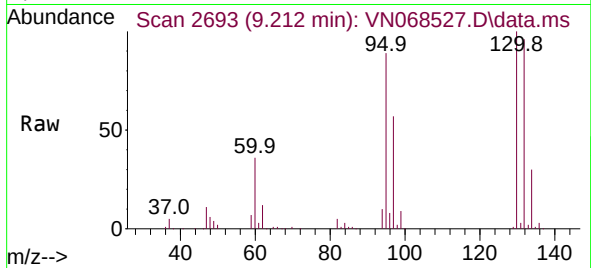




#39
Methylcyclohexane
Concen: 0.431 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.252 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

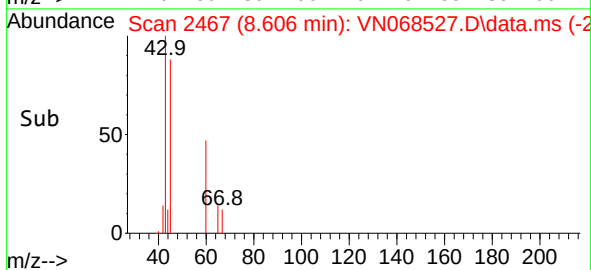
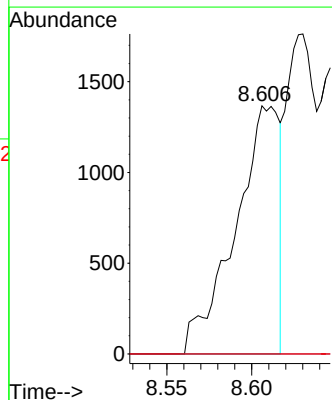
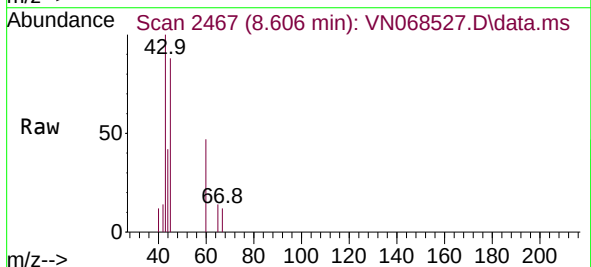
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

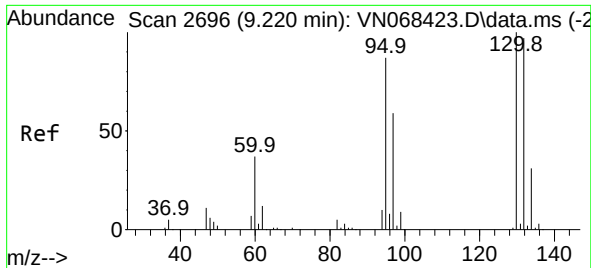
Tgt Ion: 83 Resp: 3658
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 204.4 39.5 59.3#



#43
Isopropyl Acetate
Concen: 0.276 ug/l
RT: 8.606 min Scan# 2467
Delta R.T. 0.043 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

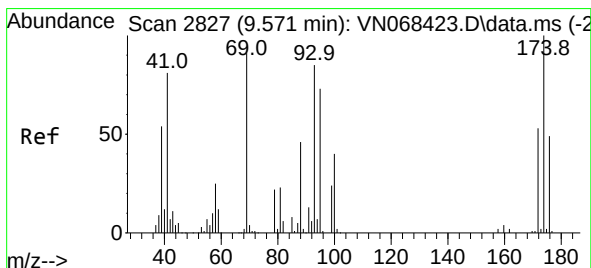
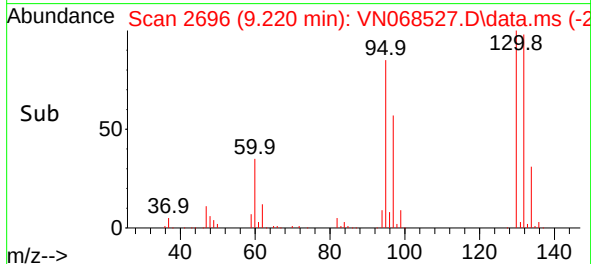
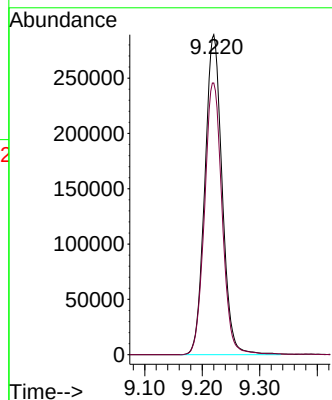
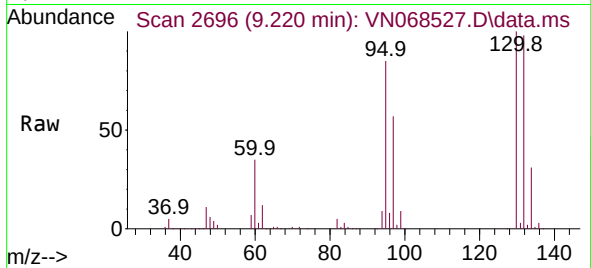




#44
Trichloroethene
Concen: 96.046 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

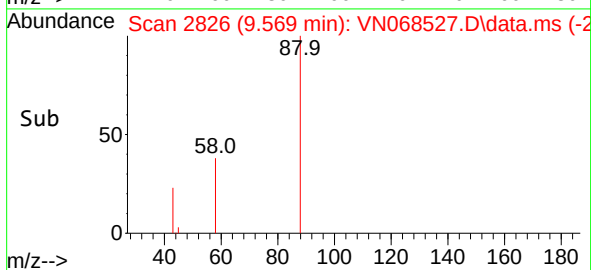
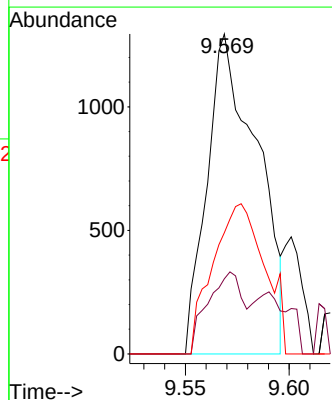
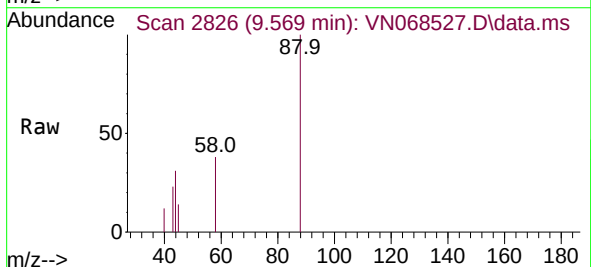
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

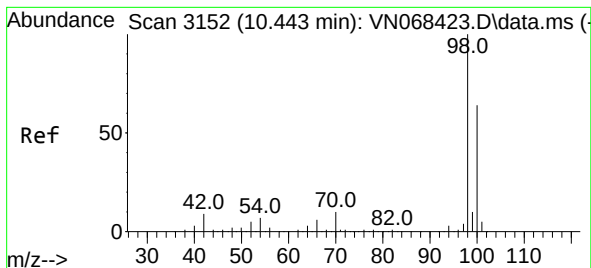
Tgt Ion:130 Resp: 604206
Ion Ratio Lower Upper
130 100
95 84.9 0.0 173.8



#49
1,4-Dioxane
Concen: 25.135 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 88 Resp: 2169
Ion Ratio Lower Upper
88 100
43 17.8 18.9 28.3#
58 48.6 46.6 69.8

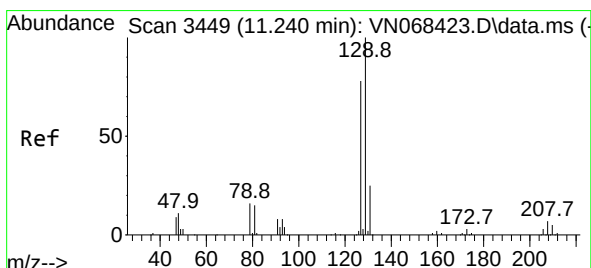
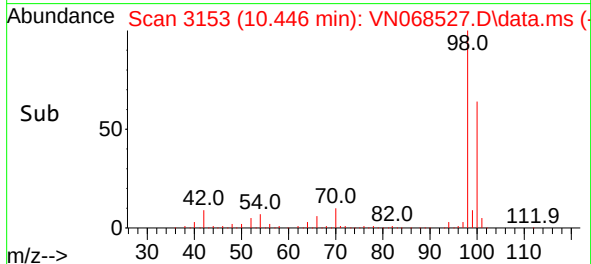
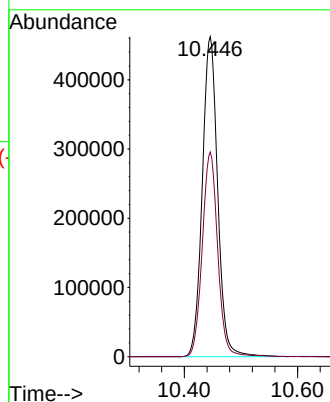
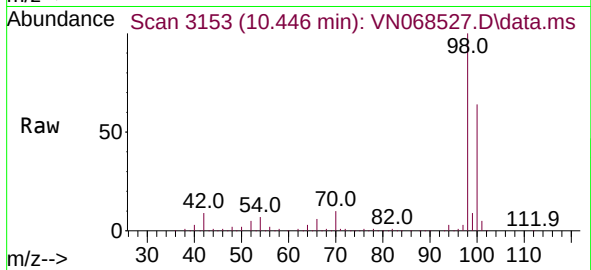




#50
Toluene-d8
Concen: 44.241 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

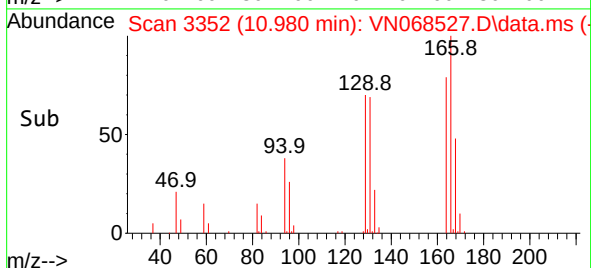
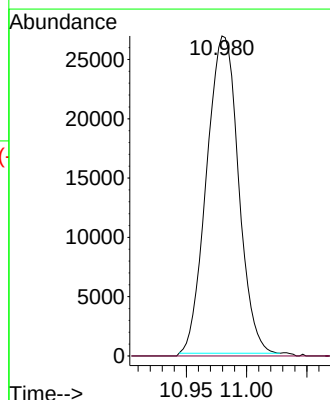
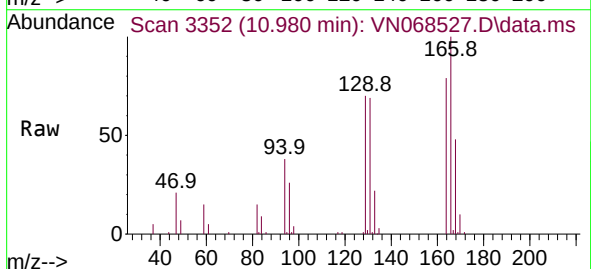
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

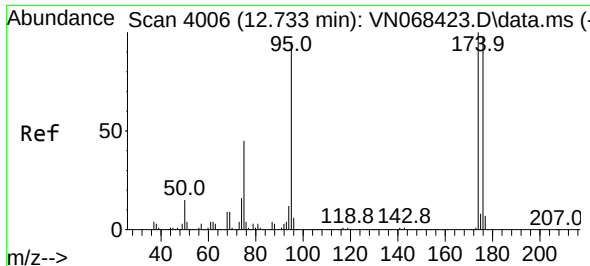
Tgt Ion: 98 Resp: 872279
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6



#60
Dibromochloromethane
Concen: 8.416 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 129 Resp: 49177
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

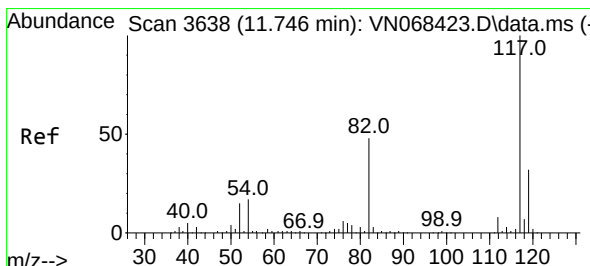
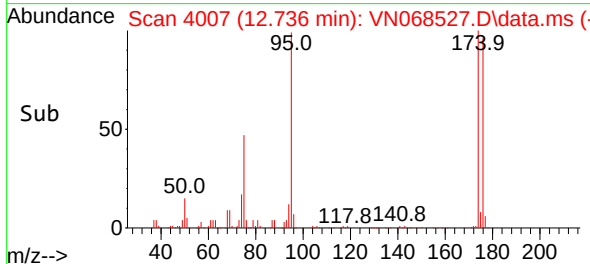
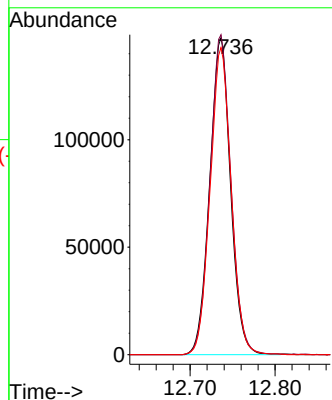
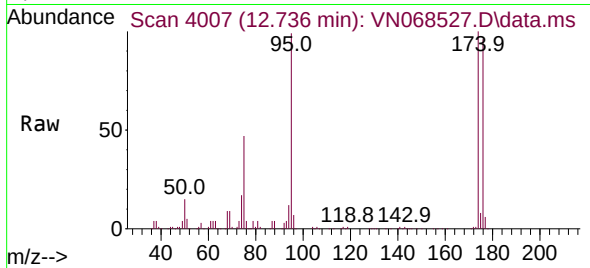




#62
4-Bromofluorobenzene
Concen: 39.301 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

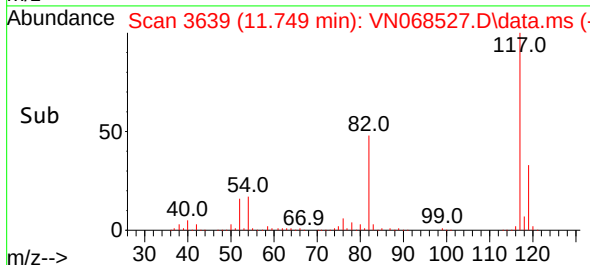
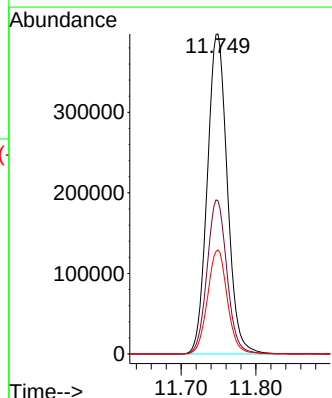
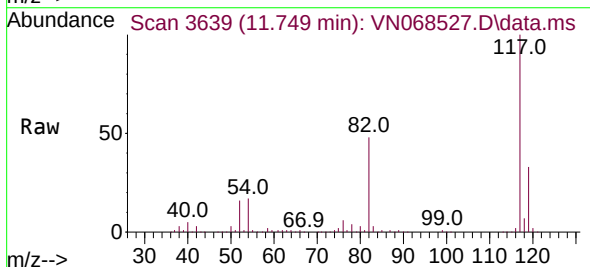
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

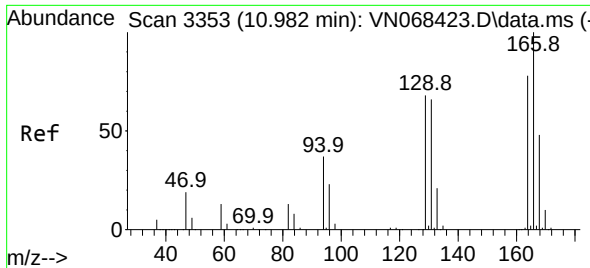
Tgt Ion: 95 Resp: 251641
Ion Ratio Lower Upper
95 100
174 101.9 0.0 214.0
176 97.5 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion: 117 Resp: 738769
Ion Ratio Lower Upper
117 100
82 47.9 38.7 58.1
119 32.5 25.5 38.3



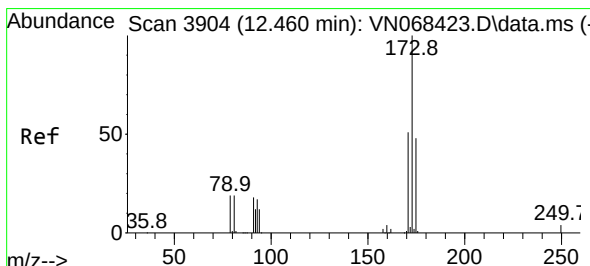
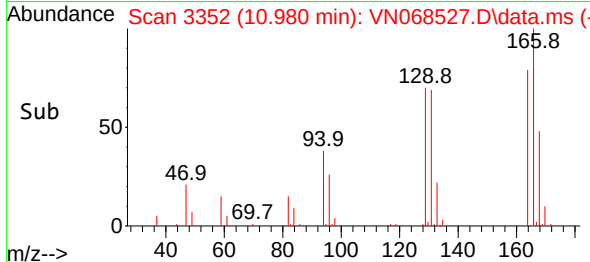
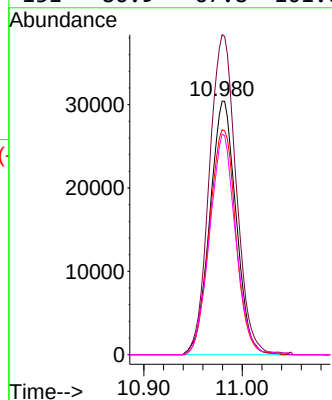
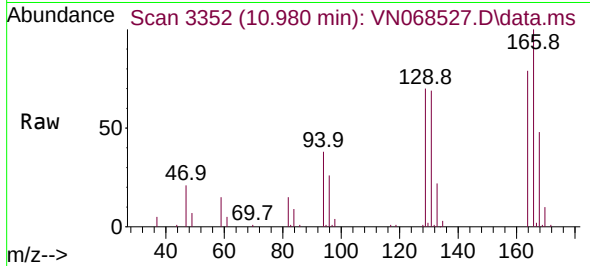


#64
Tetrachloroethene
Concen: 8.607 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

Tgt Ion:164 Resp: 56355

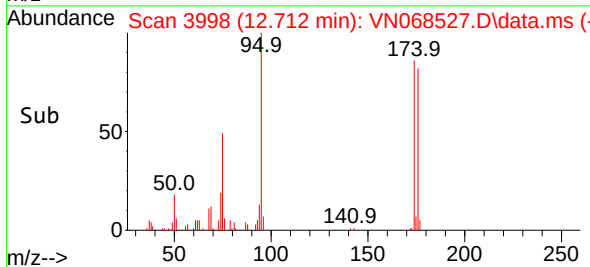
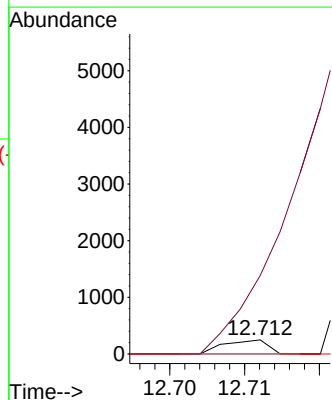
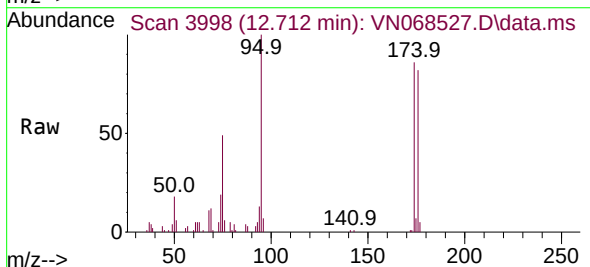
Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.9	154.3
129	88.7	70.1	105.1
131	86.9	67.8	101.6

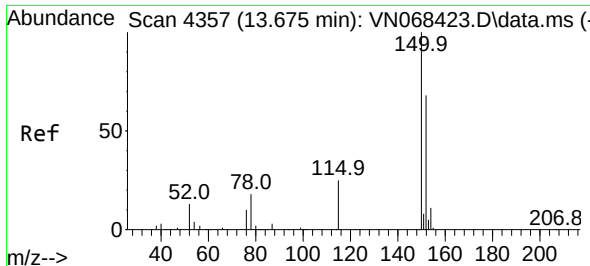


#71
Bromoform
Concen: 2.543 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

Tgt Ion:173 Resp: 100

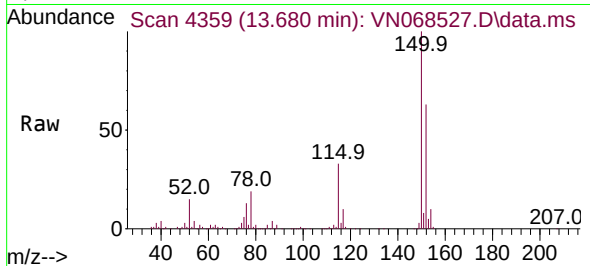
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.1	72.3#
254	0.0	0.0	0.0



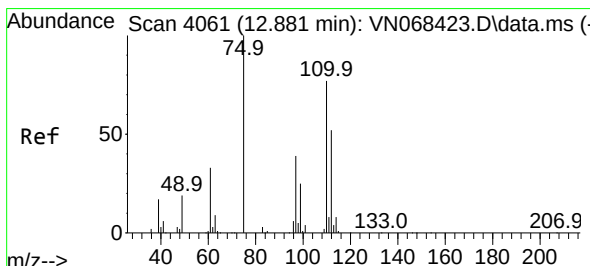
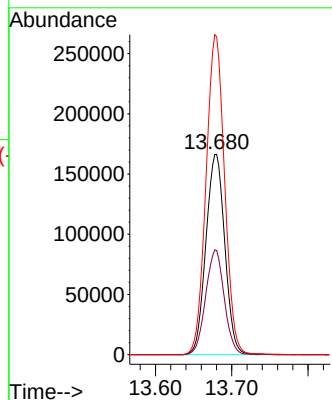
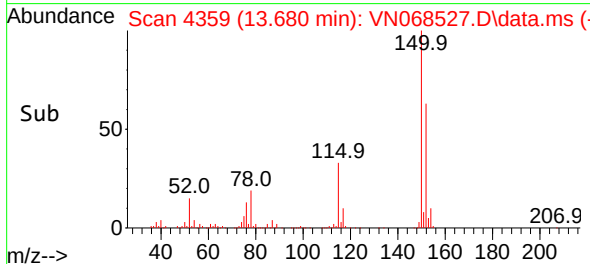


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

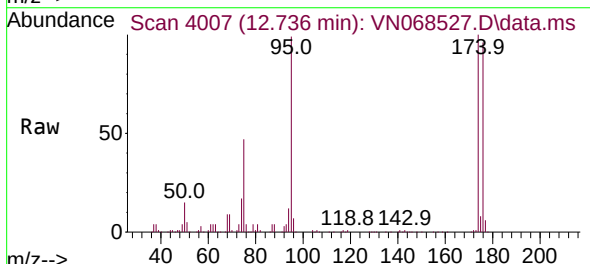
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916



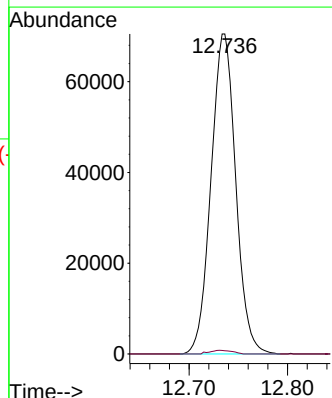
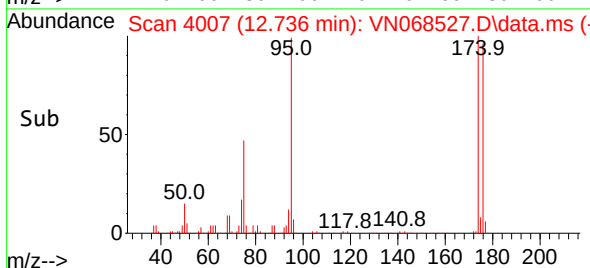
Tgt Ion:152 Resp: 286441
Ion Ratio Lower Upper
152 100
115 51.4 25.6 76.6
150 156.8 0.0 346.8

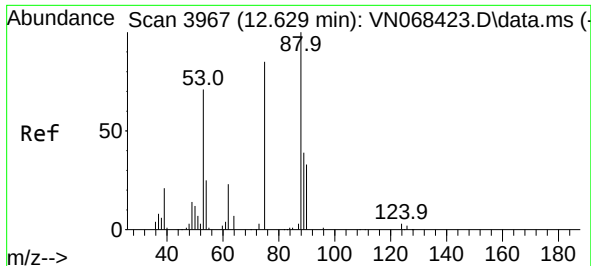


#76
1,2,3-Trichloropropane
Concen: 30.803 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16



Tgt Ion: 75 Resp: 122996
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

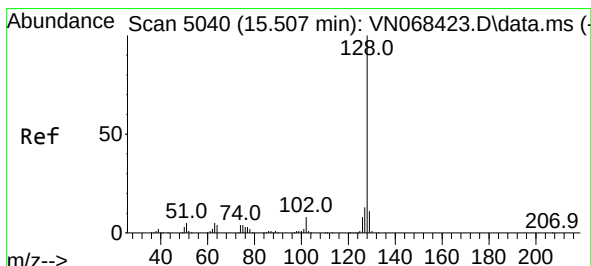
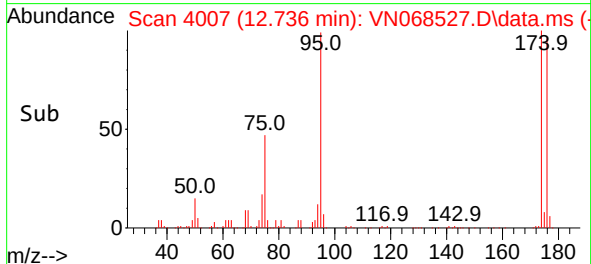
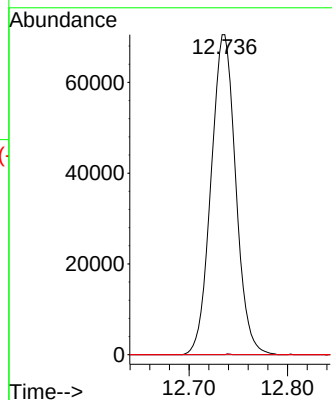
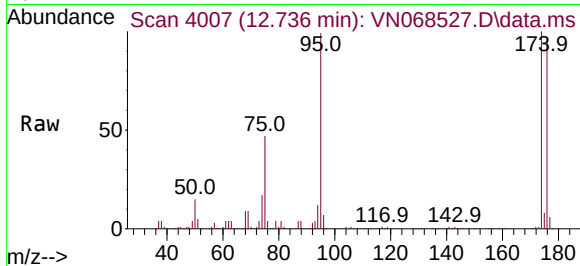




#81
trans-1,4-Dichloro-2-butene
Concen: 95.162 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

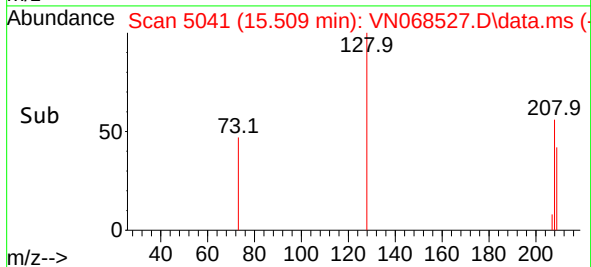
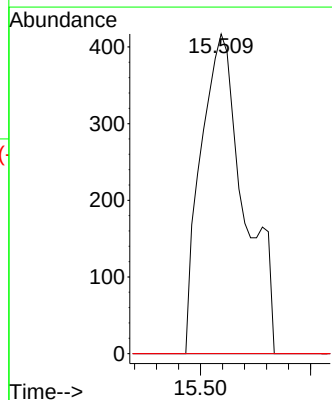
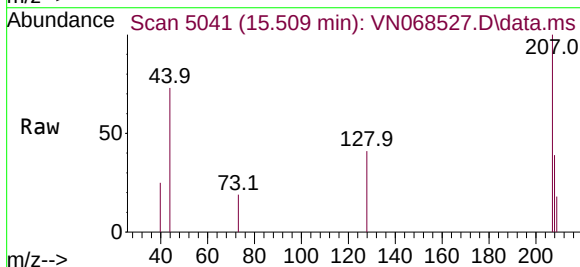
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20210916

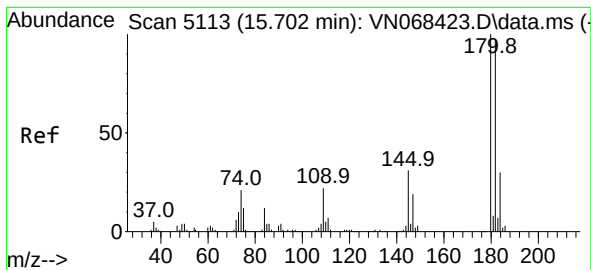
Tgt Ion: 75 Resp: 122996
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 3.543 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068527.D
Acq: 17 Sep 2021 18:16

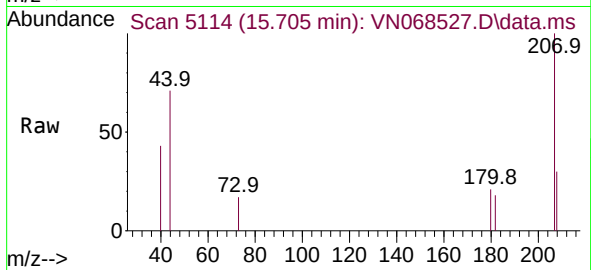
Tgt Ion: 128 Resp: 570
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.020 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068527.D
 Acq: 17 Sep 2021 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20210916



Tgt Ion:180 Resp: 248
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.6#
 145 0.0 15.2 45.5#

