

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068531.D
 Acq On : 17 Sep 2021 19:57
 Operator : JC/MD
 Sample : M3781-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20210916

Quant Time: Sep 20 04:00:49 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)

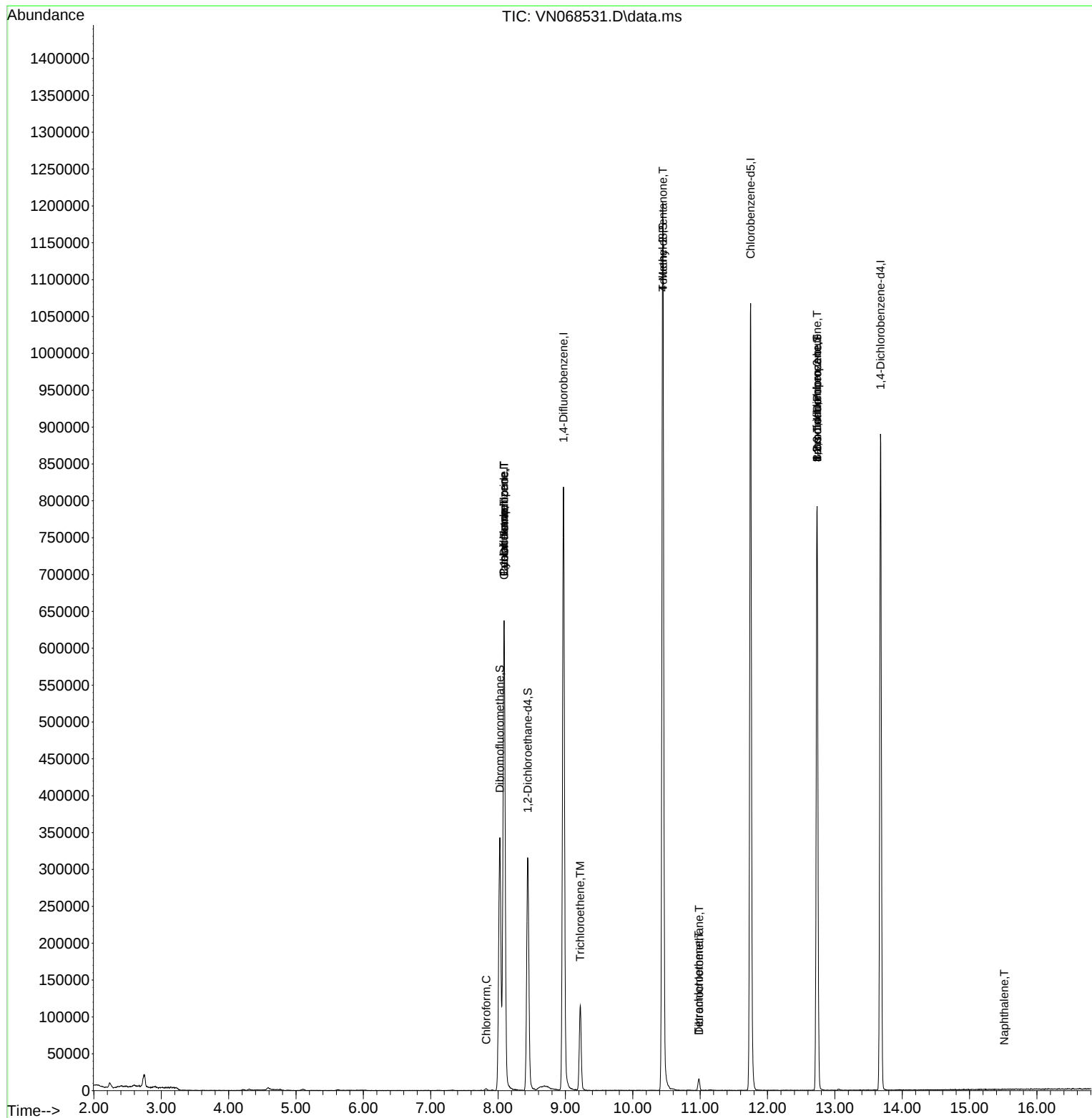
Internal Standards						
1) Pentafluorobenzene	8.088	168	553056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	811864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	700732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	274974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263100	51.861	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.720%			
35) Dibromofluoromethane	8.027	113	246998	50.443	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.880%			
50) Toluene-d8	10.446	98	924223	46.305	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.600%			
62) 4-Bromofluorobenzene	12.736	95	267252	41.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 82.340%			
Target Compounds						
3) Chloromethane	2.306	50	704	Below Cal	#	42
5) Bromomethane	2.832	94	25	Below Cal	#	3
16) Acetone	4.291	43	615	Below Cal		91
18) Methyl Acetate	4.870	43	416	Below Cal	#	45
20) Methylene Chloride	5.101	84	1011	Below Cal	#	78
30) Chloroform	7.823	83	2871	0.300	ug/l	100
31) Cyclohexane	8.088	56	8467	1.101	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	33738	4.984	ug/l #	48
38) Carbon Tetrachloride	8.091	117	50482	6.226	ug/l #	16
44) Trichloroethene	9.220	130	44111	6.954	ug/l	95
51) 4-Methyl-2-Pentanone	10.446	43	3071	0.592	ug/l #	1
60) Dibromochloromethane	10.985	129	3857	2.317	ug/l #	11
64) Tetrachloroethene	10.979	164	3919	0.631	ug/l	88
71) Bromoform	12.736	173	1035	2.710	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	130252	34.097	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	130252	104.979	ug/l #	13
95) Naphthalene	15.515	128	106	3.505	ug/l #	69

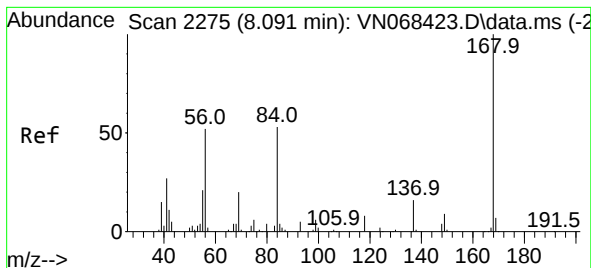
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068531.D

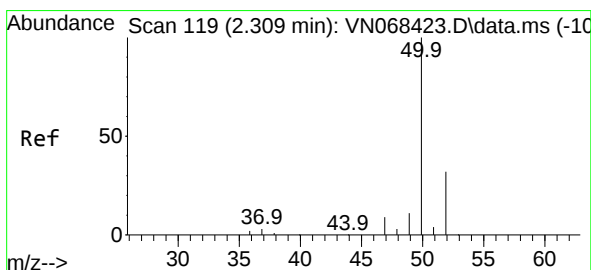
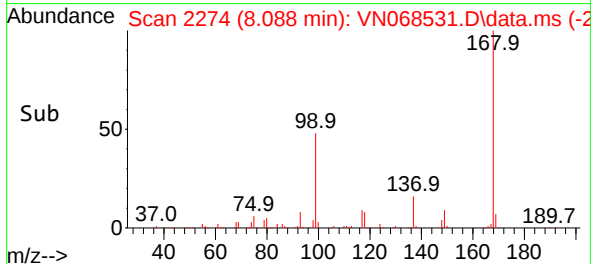
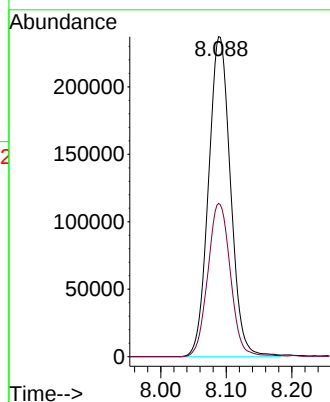
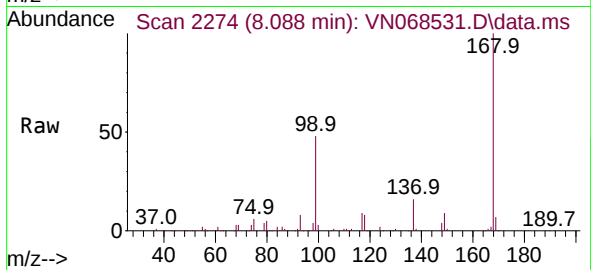
Acq: 17 Sep 2021 19:57

Tgt Ion:168 Resp: 553056

Ion Ratio Lower Upper

168 100

99 47.9 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. -0.003 min

Lab File: VN068531.D

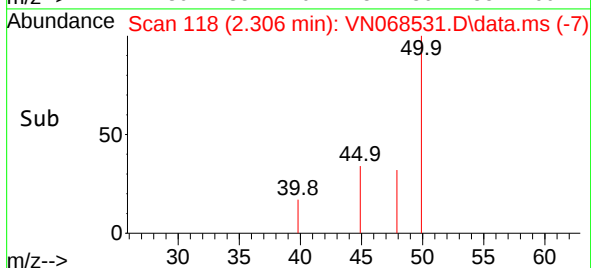
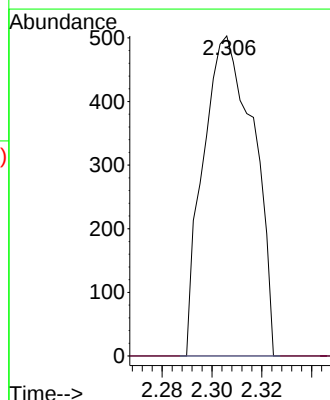
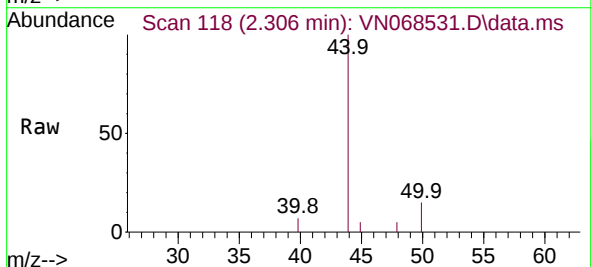
Acq: 17 Sep 2021 19:57

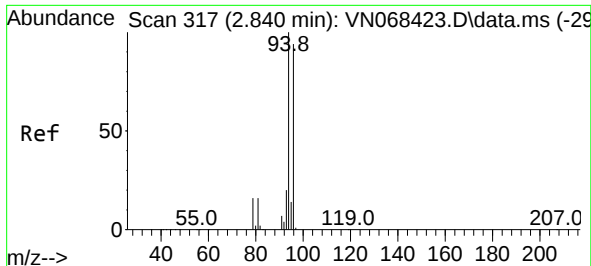
Tgt Ion: 50 Resp: 704

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#

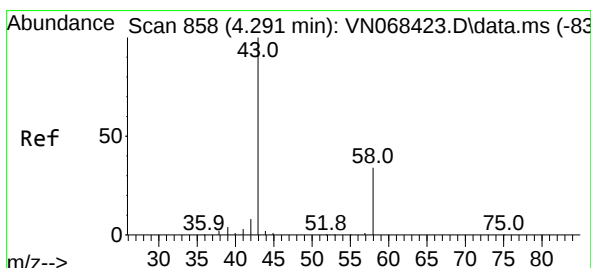
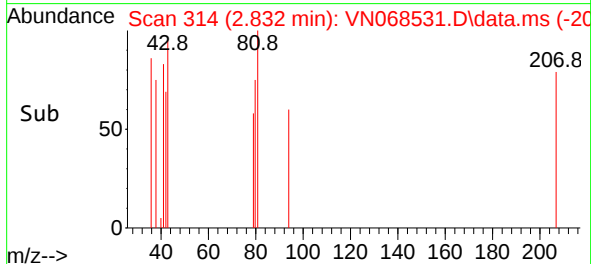
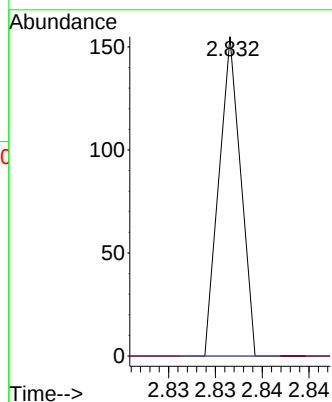
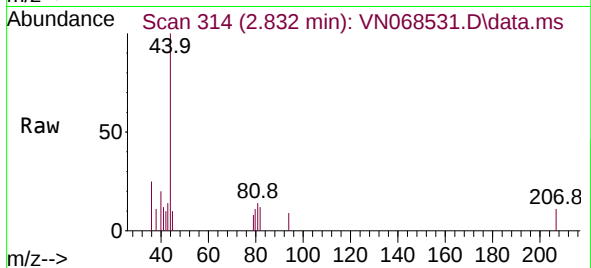




#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.008 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

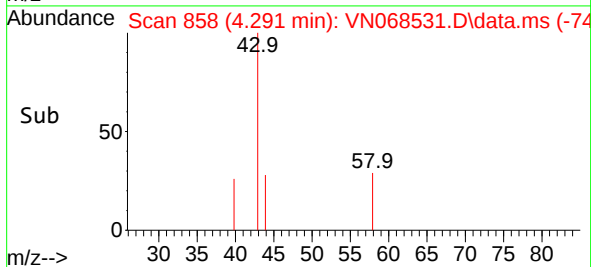
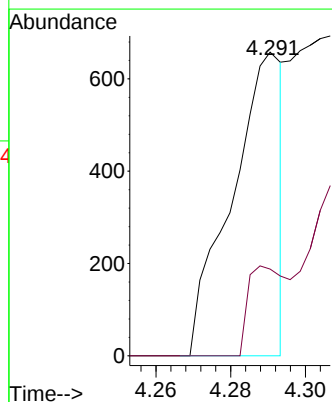
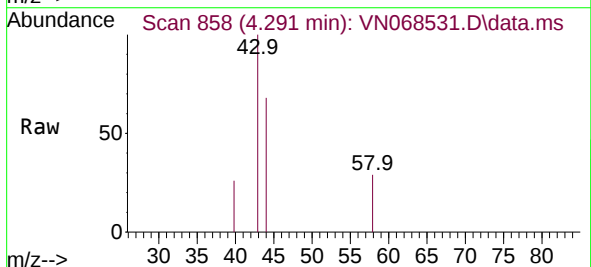
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

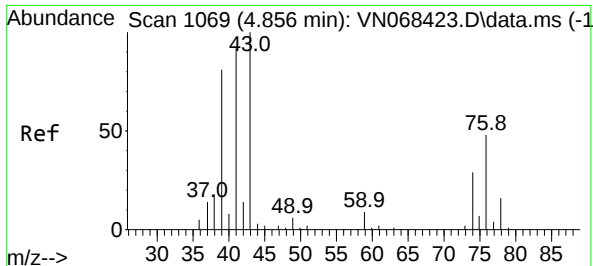
Tgt Ion: 94 Resp: 25
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 28.6 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.870 min Scan# 1074

Delta R.T. 0.014 min

Lab File: VN068531.D

Acq: 17 Sep 2021 19:57

Instrument :

MSVOA_N

ClientSampleId :

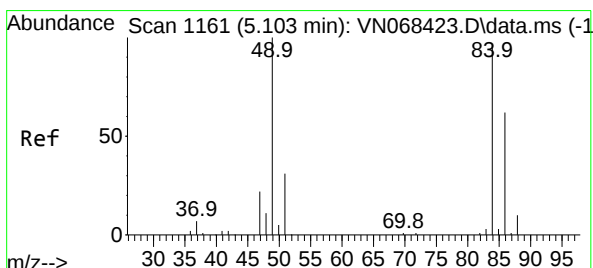
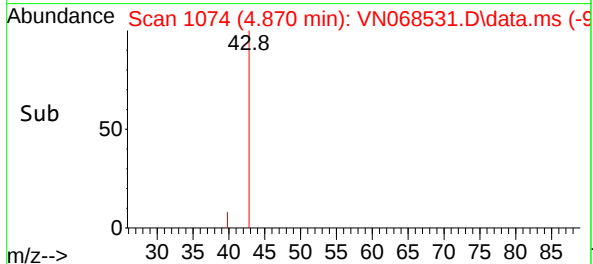
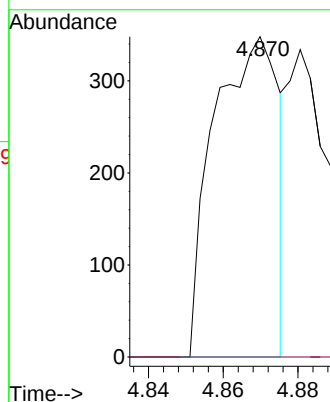
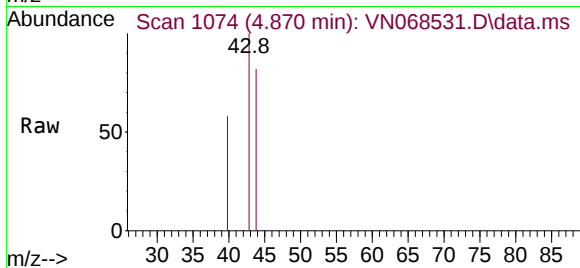
RE134D1-20210916

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

74 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.101 min Scan# 1160

Delta R.T. -0.002 min

Lab File: VN068531.D

Acq: 17 Sep 2021 19:57

Tgt Ion: 84 Resp: 1011

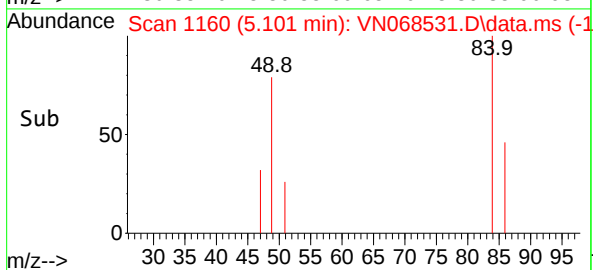
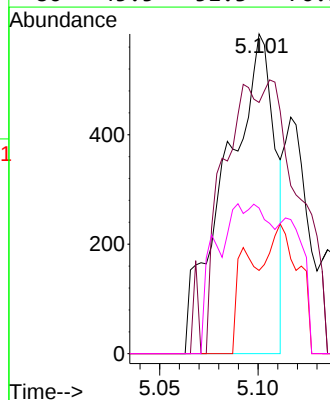
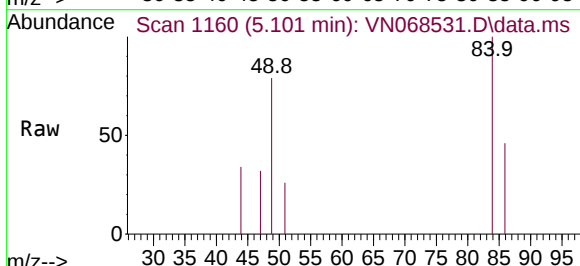
Ion Ratio Lower Upper

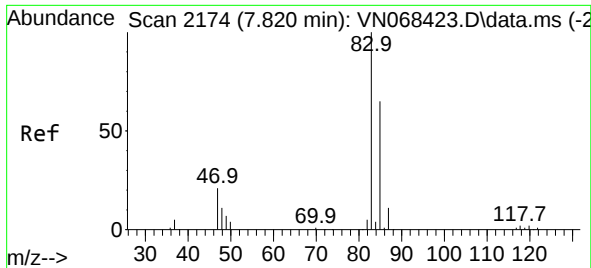
84 100

49 78.6 83.0 124.6#

51 26.0 25.4 38.0

86 45.5 51.3 76.9#

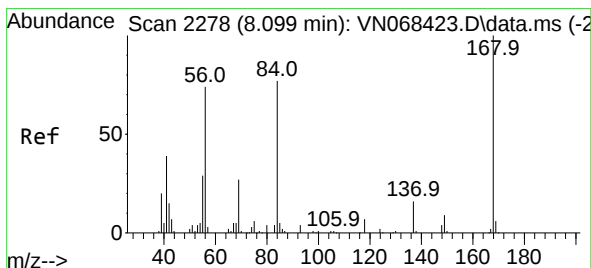
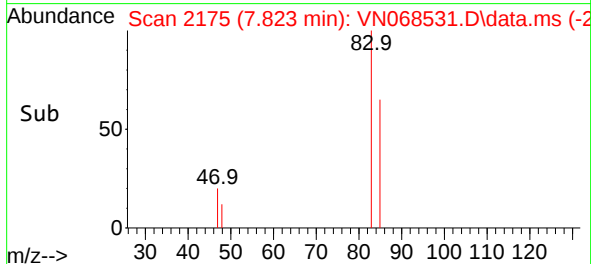
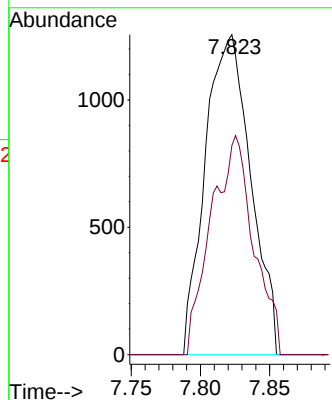
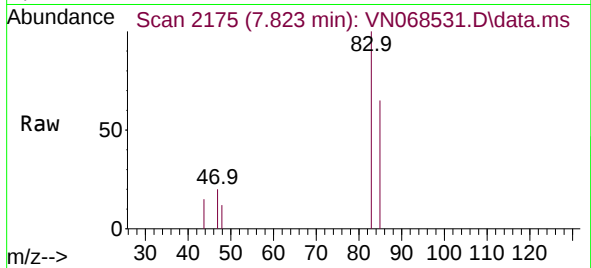




#30
Chloroform
Concen: 0.300 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

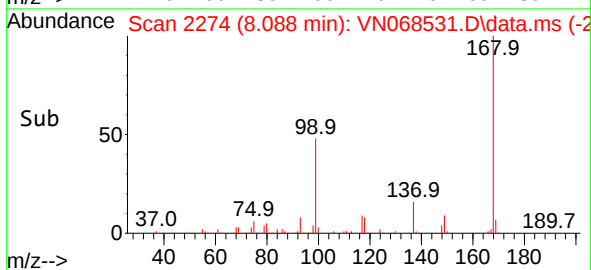
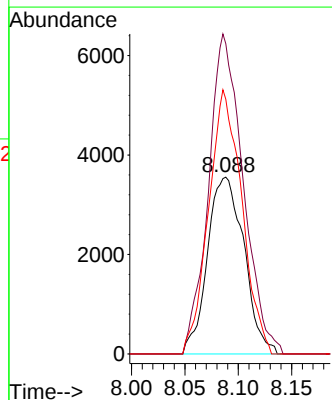
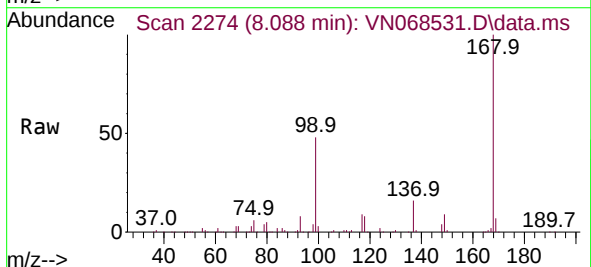
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

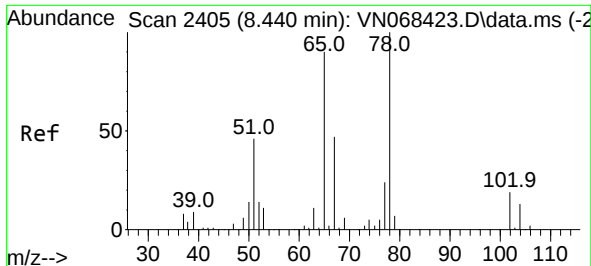
Tgt Ion: 83 Resp: 2871
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.4



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 56 Resp: 8467
Ion Ratio Lower Upper
56 100
69 175.4 29.4 44.0#
84 144.0 83.6 125.4#



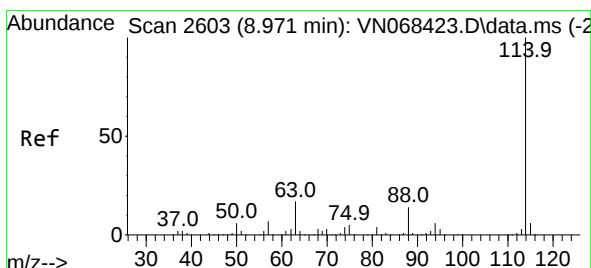
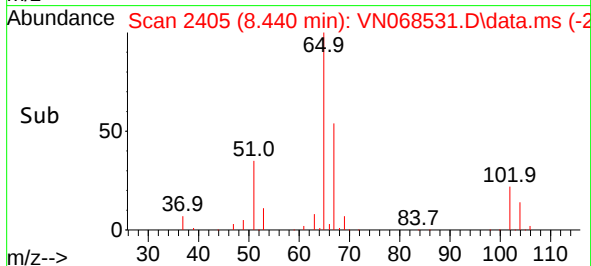
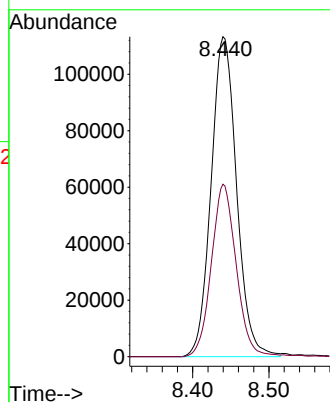
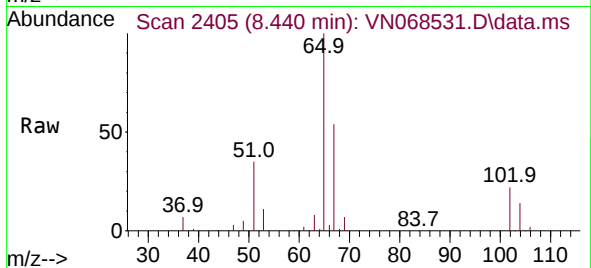


#33

1,2-Dichloroethane-d4
Concen: 51.861 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

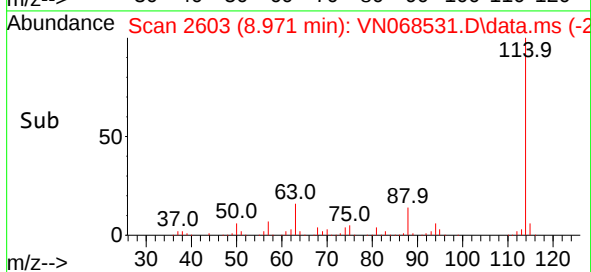
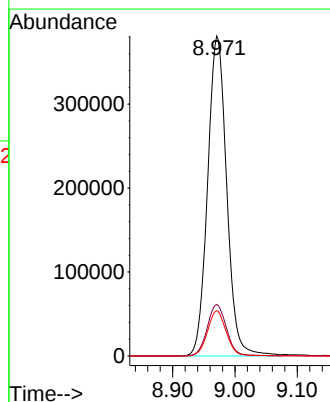
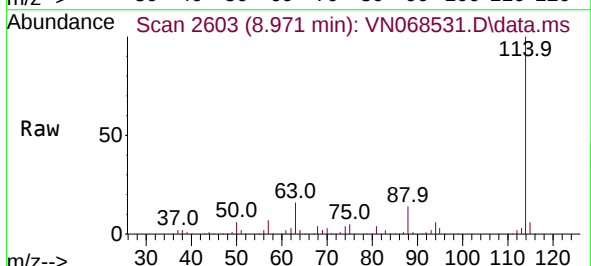
Tgt Ion: 65 Resp: 263100
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

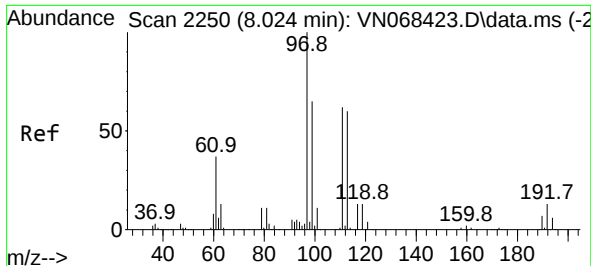


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 114 Resp: 811864
Ion Ratio Lower Upper
114 100
63 16.1 0.0 33.2
88 14.2 0.0 28.4

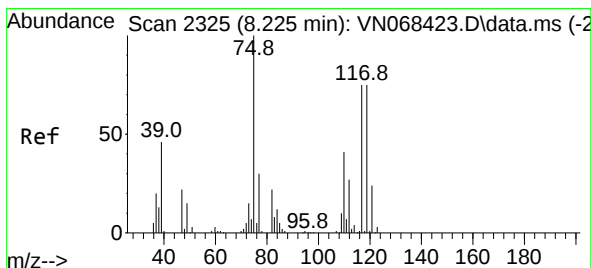
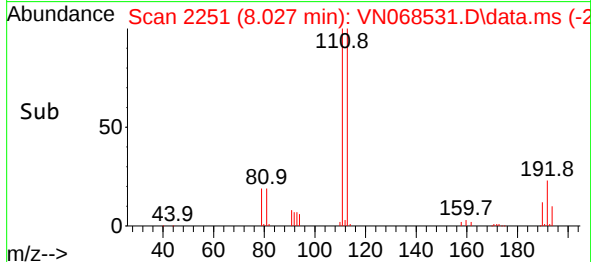
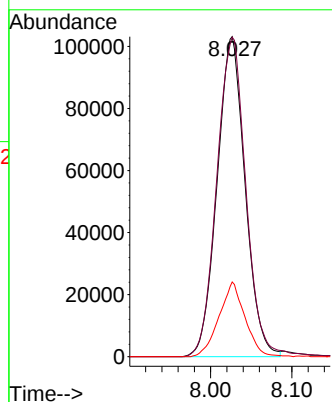
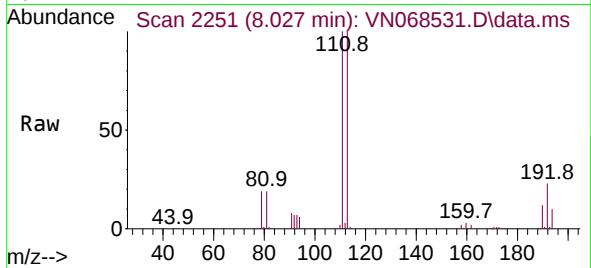




#35
Dibromofluoromethane
Concen: 50.443 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

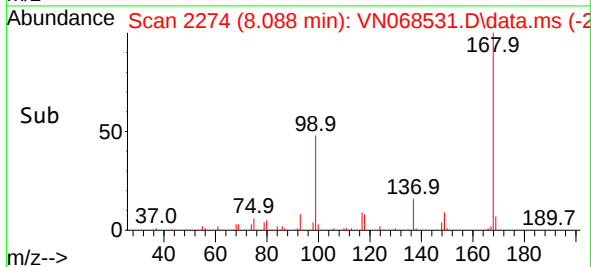
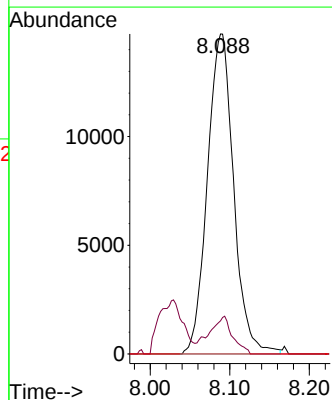
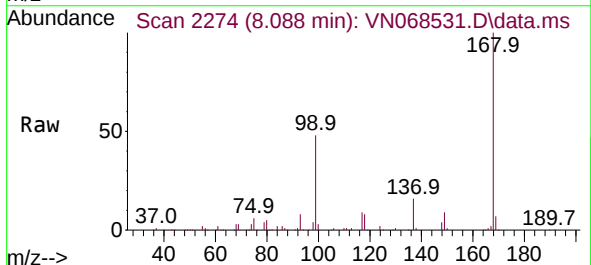
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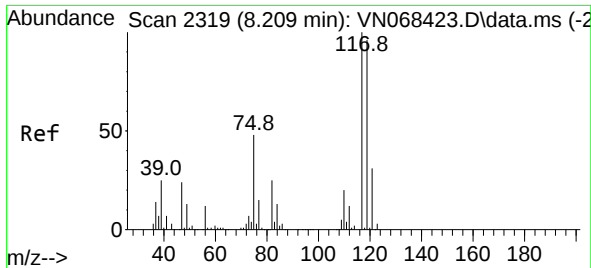
Tgt Ion:113 Resp: 246998
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 21.7 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 75 Resp: 33738
Ion Ratio Lower Upper
75 100
110 10.6 20.8 62.5#
77 0.0 25.0 37.6#

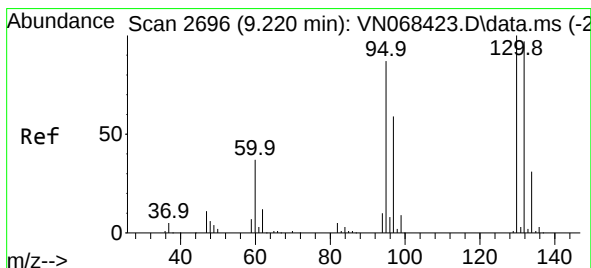
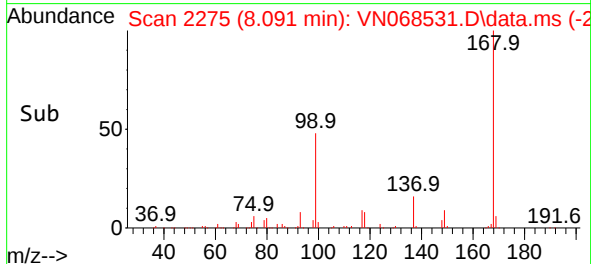
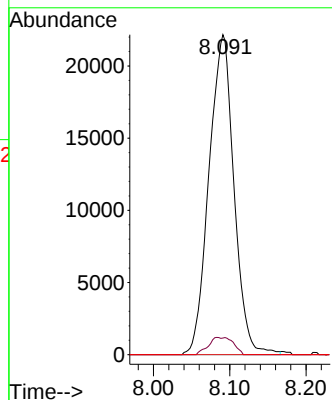
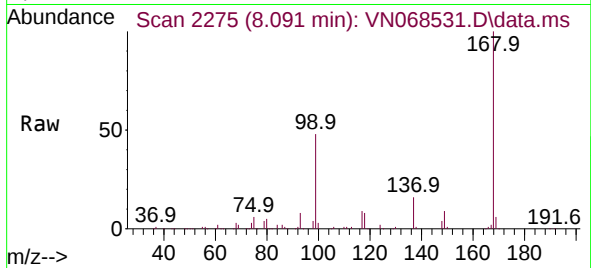




#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

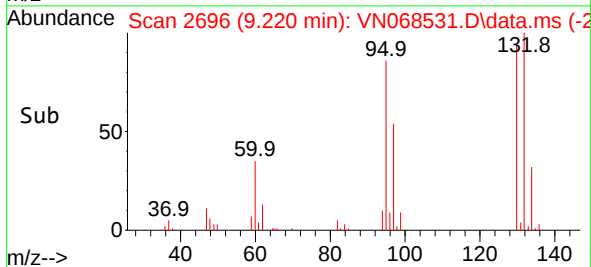
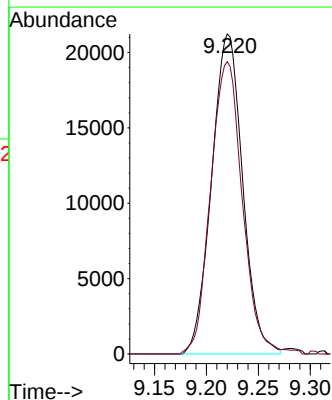
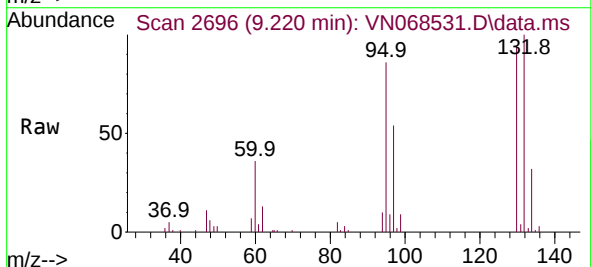
Instrument :
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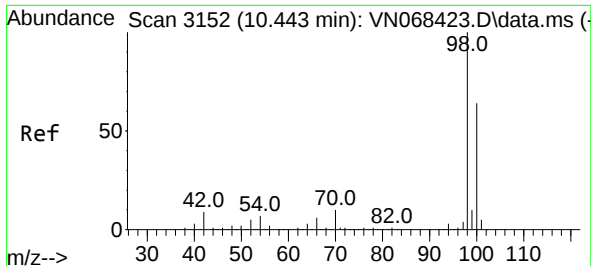
Tgt Ion:117 Resp: 50482
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 6.954 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion:130 Resp: 44111
Ion Ratio Lower Upper
130 100
95 91.3 0.0 173.8

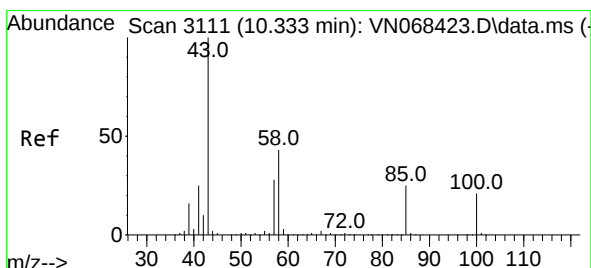
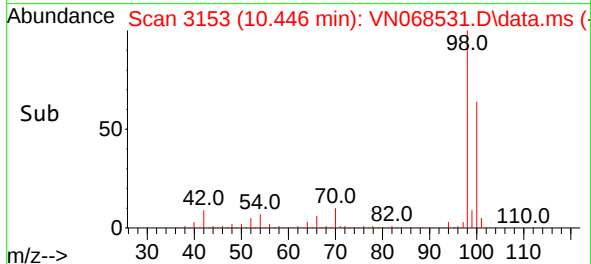
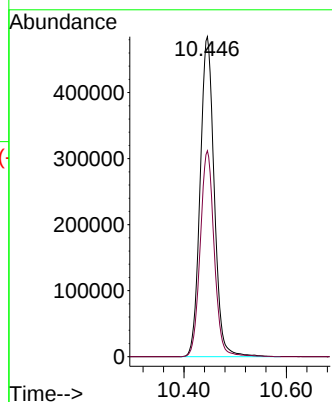
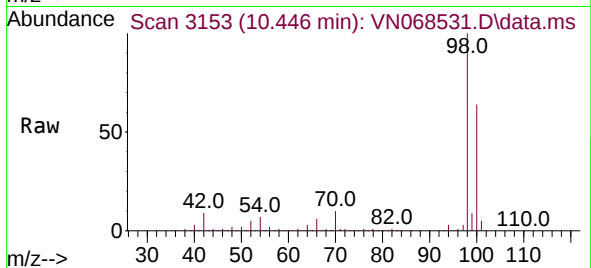




#50
Toluene-d8
Concen: 46.305 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

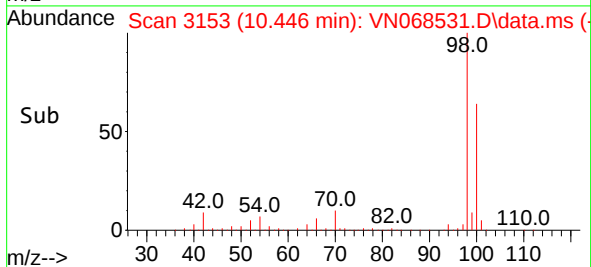
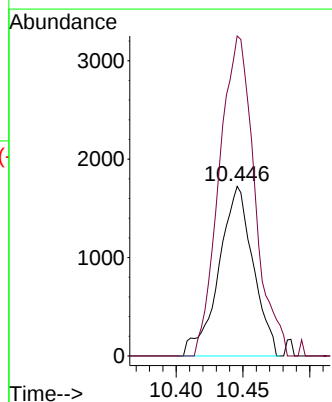
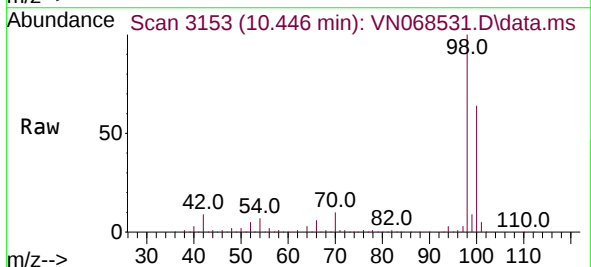
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

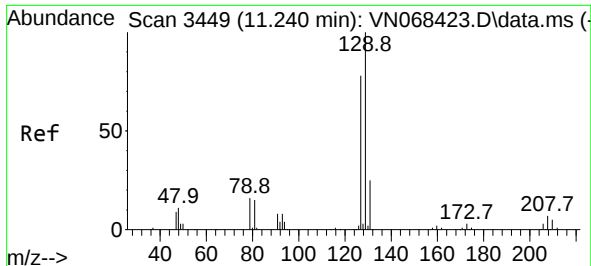
Tgt Ion: 98 Resp: 924223
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.592 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.113 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
58 194.7 34.3 51.5#

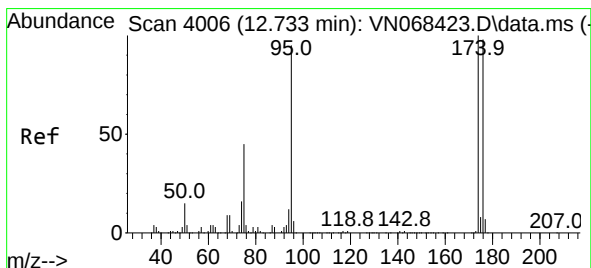
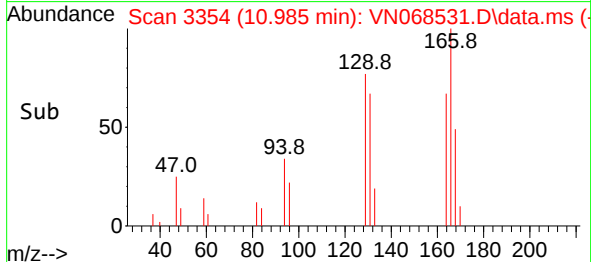
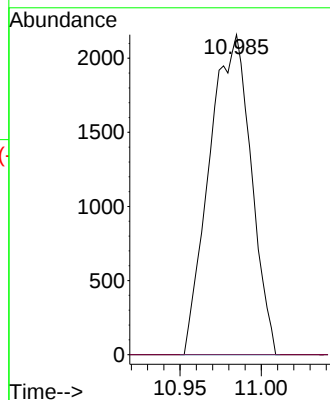
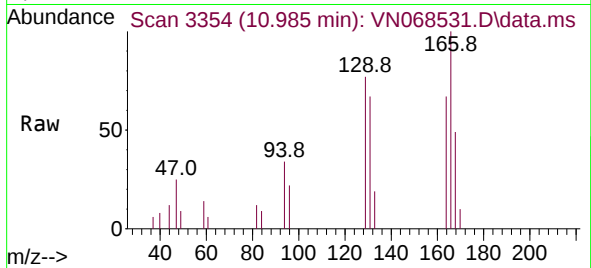




#60
Dibromochloromethane
Concen: 2.317 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

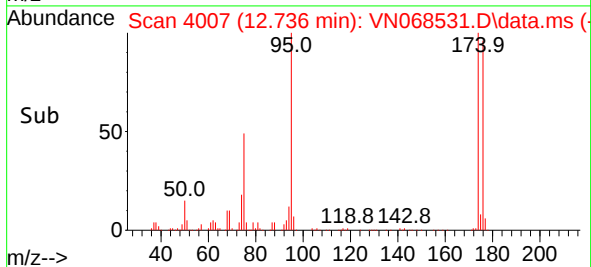
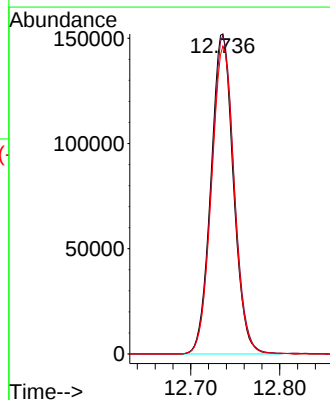
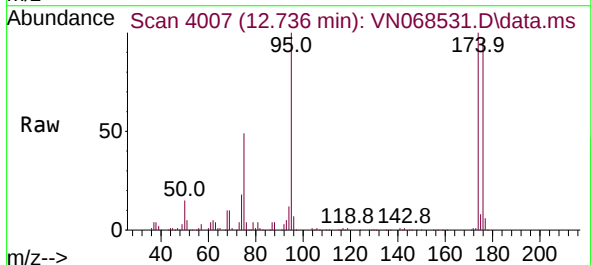
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

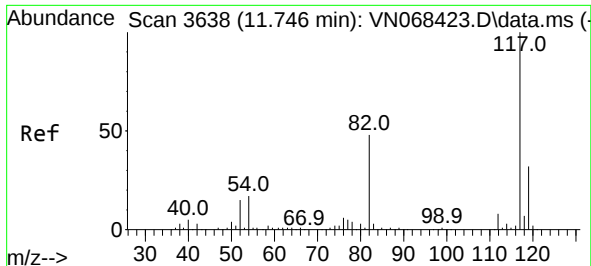
Tgt Ion:129 Resp: 3857
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 41.171 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion: 95 Resp: 267252
Ion Ratio Lower Upper
95 100
174 100.7 0.0 214.0
176 96.9 0.0 205.4

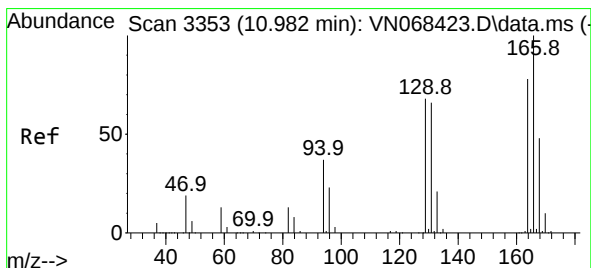
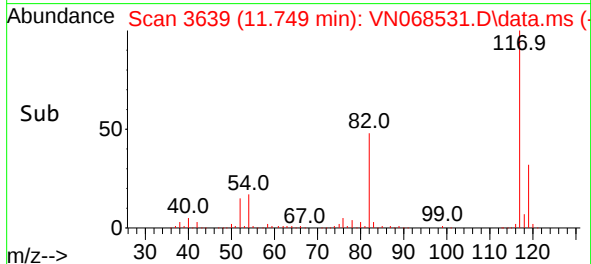
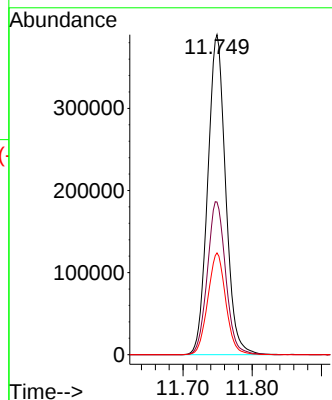
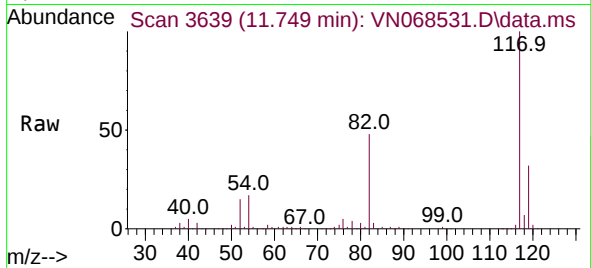




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

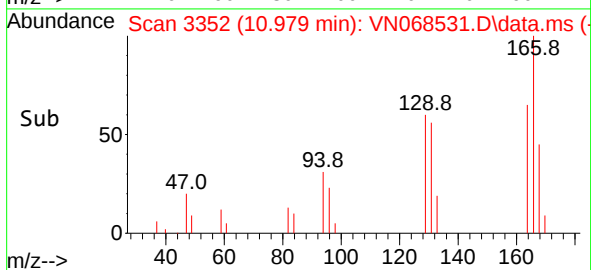
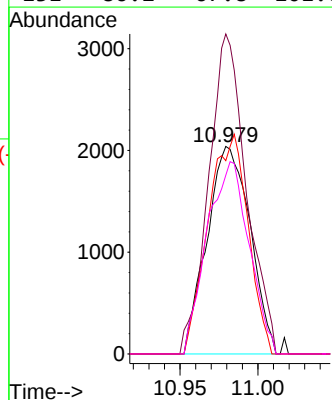
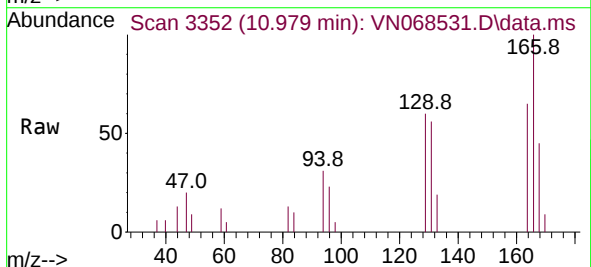
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

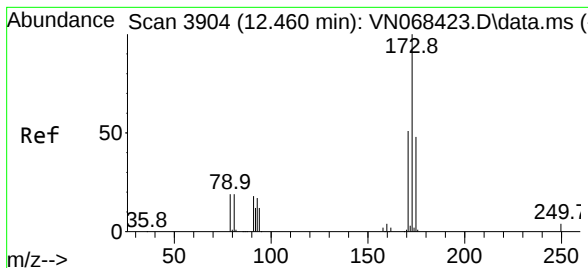
Tgt Ion:117 Resp: 700732
Ion Ratio Lower Upper
117 100
82 47.7 38.7 58.1
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.631 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Tgt Ion:164 Resp: 3919
Ion Ratio Lower Upper
164 100
166 154.2 102.9 154.3
129 93.2 70.1 105.1
131 86.2 67.8 101.6





#71

Bromoform

Concen: 2.710 ug/l

RT: 12.736 min Scan# 4007

Delta R.T. 0.276 min

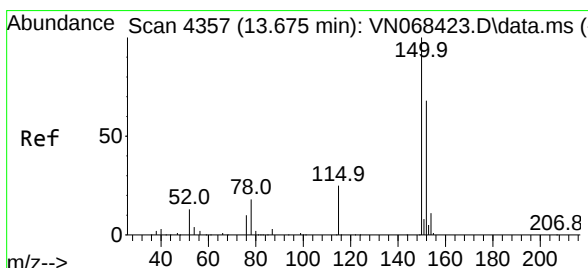
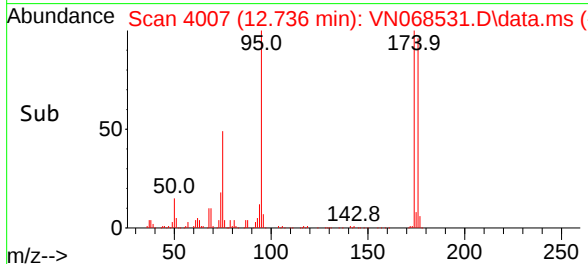
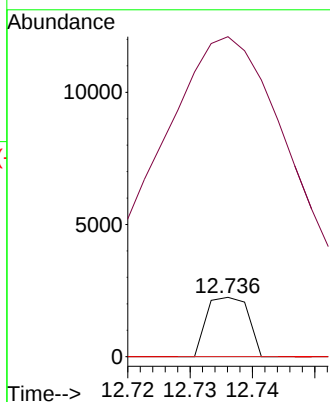
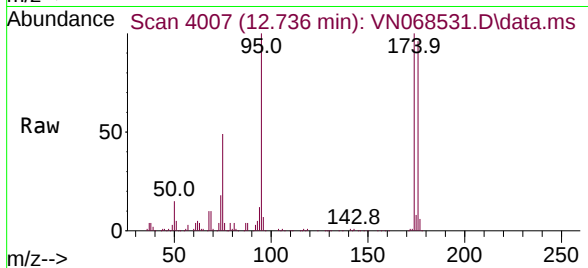
Lab File: VN068531.D

Acq: 17 Sep 2021 19:57

Tgt Ion:173 Resp: 1035

Ion	Ratio	Lower	Upper
173	100		
175	1803.6	24.1	72.3#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.677 min Scan# 4358

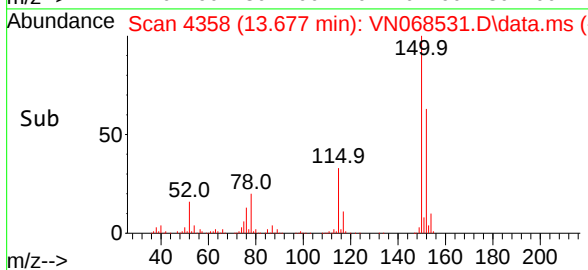
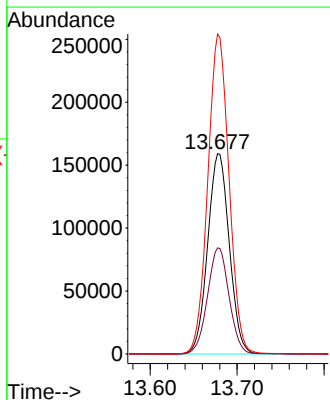
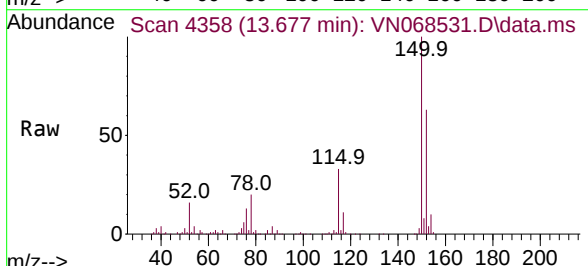
Delta R.T. 0.002 min

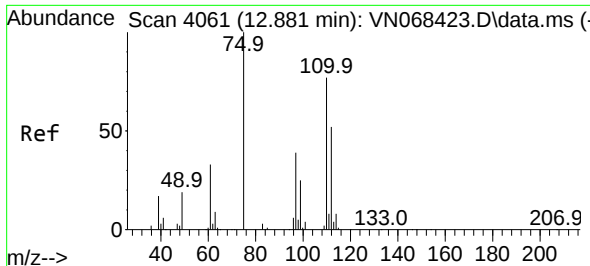
Lab File: VN068531.D

Acq: 17 Sep 2021 19:57

Tgt Ion:152 Resp: 274974

Ion	Ratio	Lower	Upper
152	100		
115	52.9	25.6	76.6
150	156.9	0.0	346.8

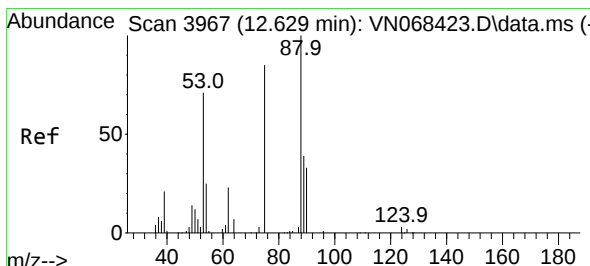
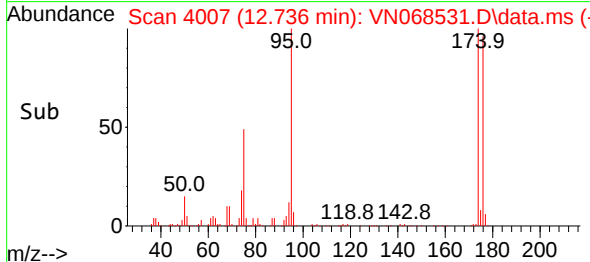
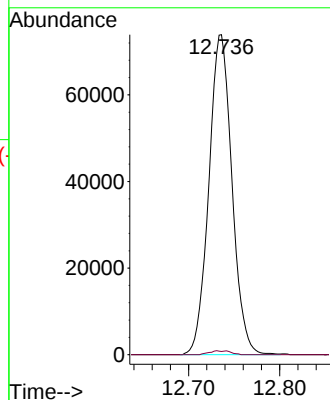
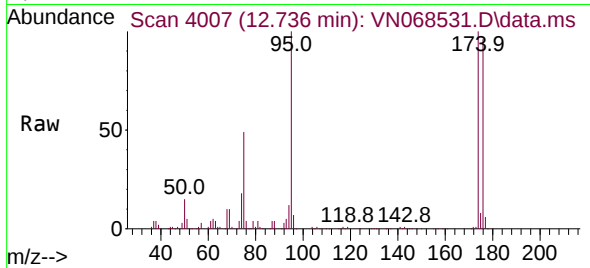




#76
1,2,3-Trichloropropane
Concen: 34.097 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

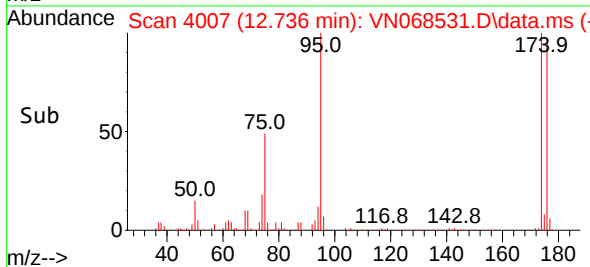
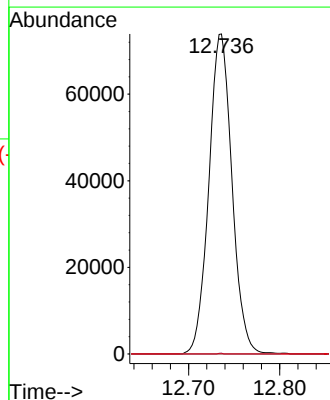
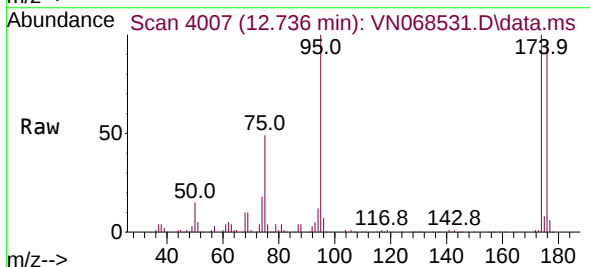
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916

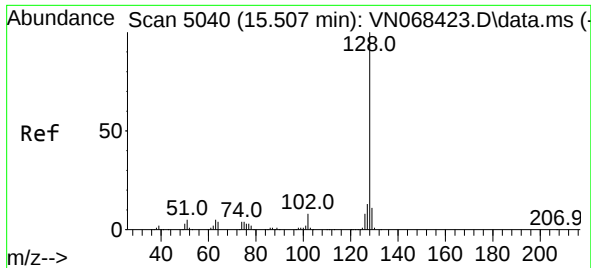
Tgt Ion: 75 Resp: 130252
Ion Ratio Lower Upper
75 100
77 0.7 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.979 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

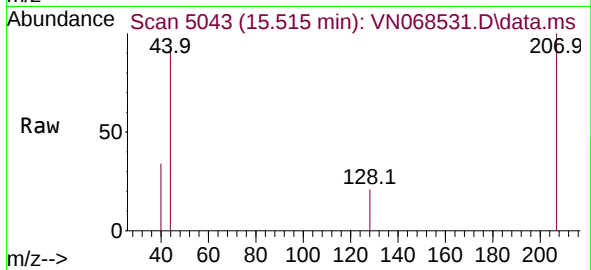
Tgt Ion: 75 Resp: 130252
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 3.505 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068531.D
Acq: 17 Sep 2021 19:57

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20210916



Tgt Ion:128 Resp: 106
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

