

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068519.D
 Acq On : 17 Sep 2021 14:53
 Operator : JC/MD
 Sample : M3781-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D3-20210915

Quant Time: Sep 20 03:57:07 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)

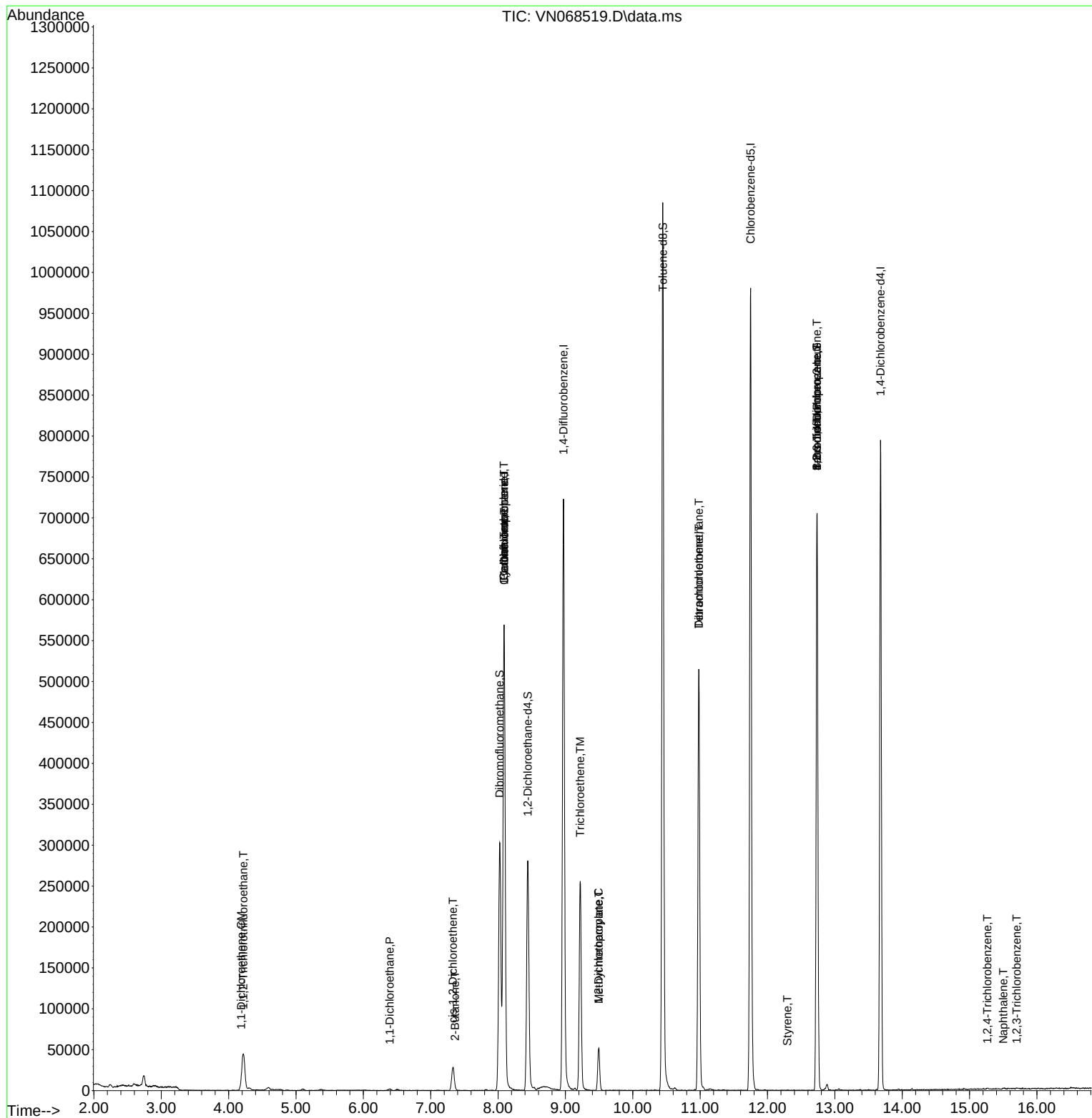
Internal Standards						
1) Pentafluorobenzene	8.088	168	484722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	706099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	640689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	237682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241434	54.299	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.600%			
35) Dibromofluoromethane	8.024	113	223020	52.368	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.740%			
50) Toluene-d8	10.446	98	836981	48.068	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.140%			
62) 4-Bromofluorobenzene	12.733	95	243099	42.869	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	866	Below Cal	#	63
5) Bromomethane	2.877	94	800	Below Cal		84
9) 1,1,2-Trichlorotrifluo...	4.218	101	29599	7.116 ug/l	#	67
11) Tert butyl alcohol	5.369	59	1788	Below Cal	#	84
12) 1,1-Dichloroethene	4.189	96	1228	0.322 ug/l	#	78
16) Acetone	4.304	43	3378	Below Cal		94
18) Methyl Acetate	4.856	43	286	Below Cal	#	45
20) Methylene Chloride	5.106	84	1006	Below Cal	#	60
24) 1,1-Dichloroethane	6.391	63	3114	0.439 ug/l	#	81
25) 2-Butanone	7.361	43	520	0.241 ug/l	#	41
27) cis-1,2-Dichloroethene	7.329	96	18771	3.676 ug/l		79
31) Cyclohexane	8.091	56	8387	1.245 ug/l	#	21
36) 1,1-Dichloropropene	8.091	75	31428	5.339 ug/l	#	47
38) Carbon Tetrachloride	8.088	117	46044	6.529 ug/l	#	17
44) Trichloroethene	9.220	130	100574	18.229 ug/l		96
45) 1,2-Dichloropropane	9.494	63	20282	4.875 ug/l		95
48) Methyl methacrylate	9.496	41	11396	3.454 ug/l	#	26
60) Dibromochloromethane	10.982	129	118531	19.978 ug/l	#	11
64) Tetrachloroethene	10.982	164	127109	22.384 ug/l		94
70) Styrene	12.294	104	76	1.759 ug/l	#	27
71) Bromoform	12.733	173	1506	2.819 ug/l	#	1
76) 1,2,3-Trichloropropane	12.733	75	123927	37.644 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.733	75	123927	115.552 ug/l	#	13
93) 1,2,4-Trichlorobenzene	15.265	180	710	3.109 ug/l	#	79
95) Naphthalene	15.501	128	730	3.569 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.700	180	769	3.147 ug/l	#	32

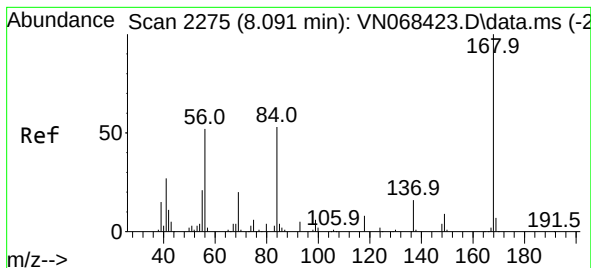
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068519.D

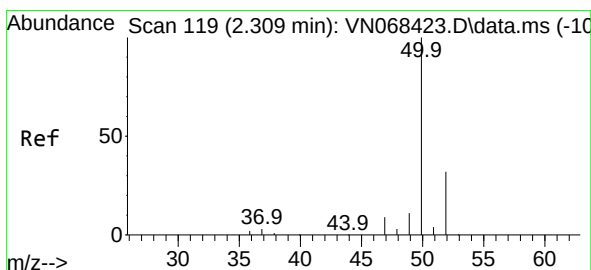
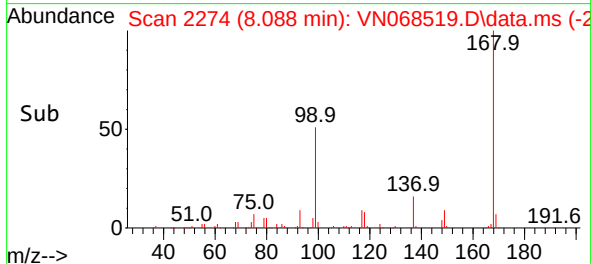
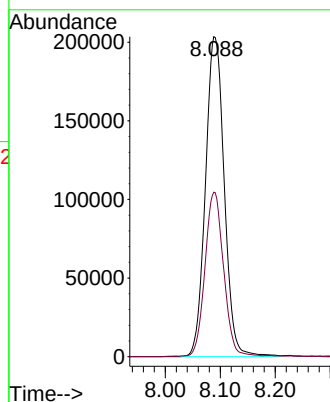
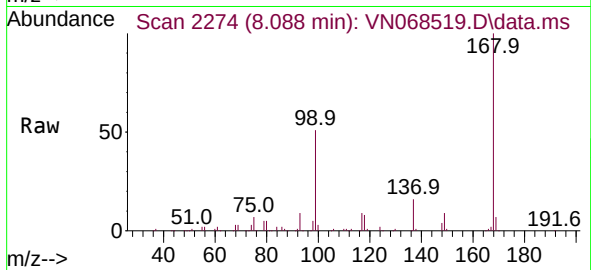
Acq: 17 Sep 2021 14:53

Tgt Ion:168 Resp: 484722

Ion Ratio Lower Upper

168 100

99 51.2 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.008 min

Lab File: VN068519.D

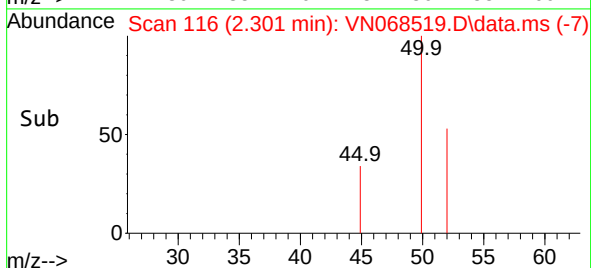
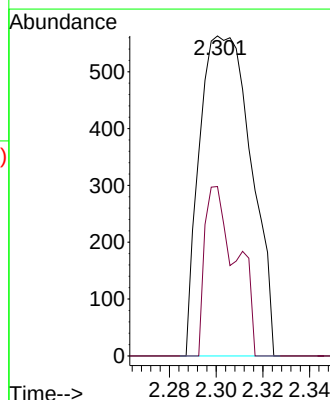
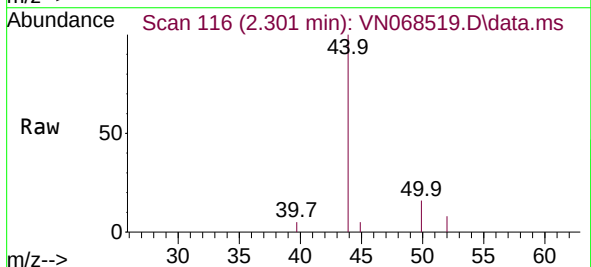
Acq: 17 Sep 2021 14:53

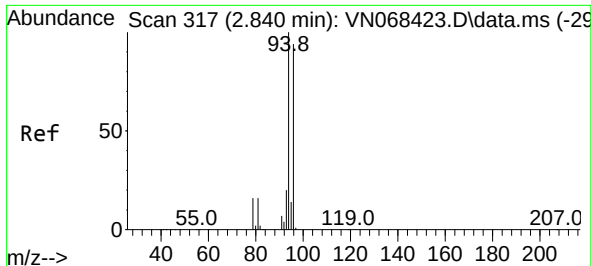
Tgt Ion: 50 Resp: 866

Ion Ratio Lower Upper

50 100

52 52.9 25.8 38.6#

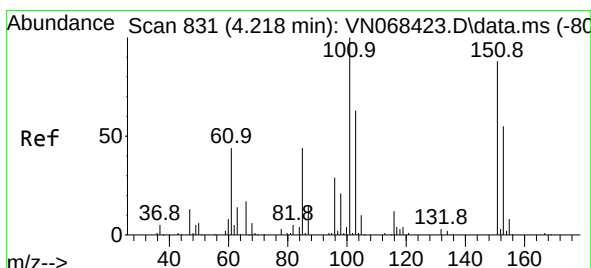
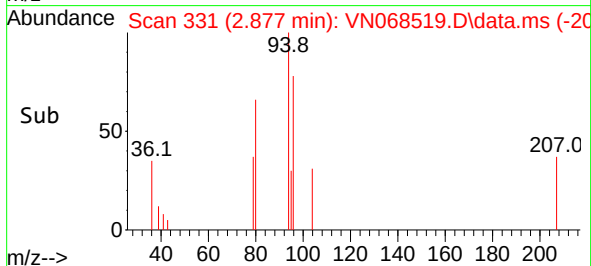
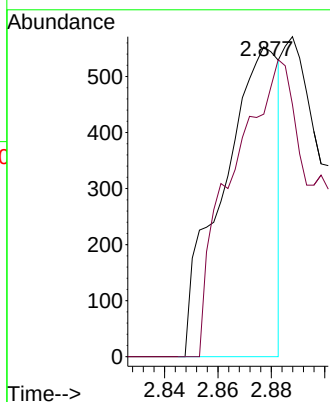
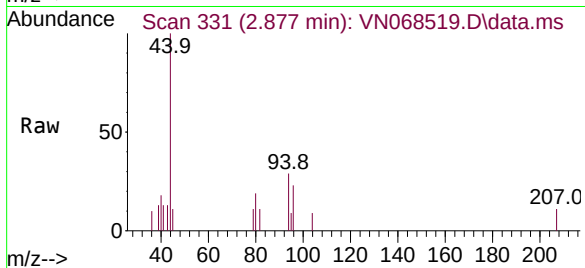




#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.037 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

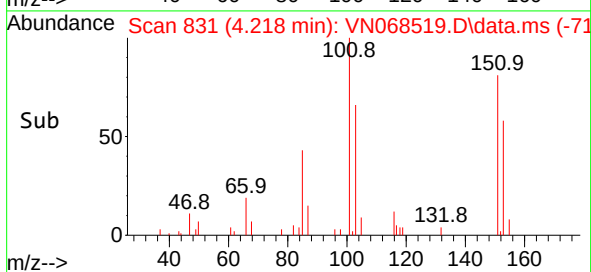
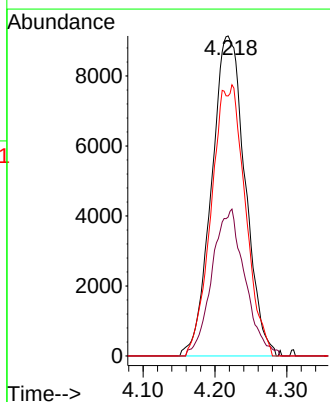
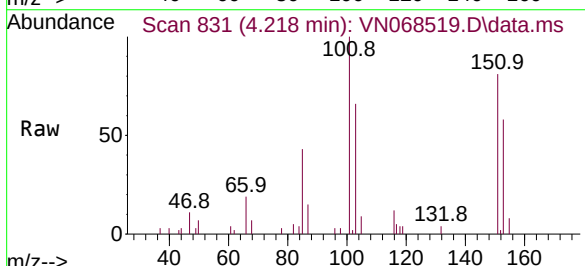
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

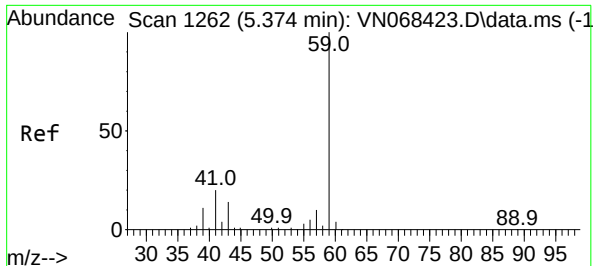
Tgt Ion: 94 Resp: 800
Ion Ratio Lower Upper
94 100
96 78.3 75.4 113.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.116 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion:101 Resp: 29599
Ion Ratio Lower Upper
101 100
85 45.1 35.7 53.5
151 43.8 71.6 107.4#



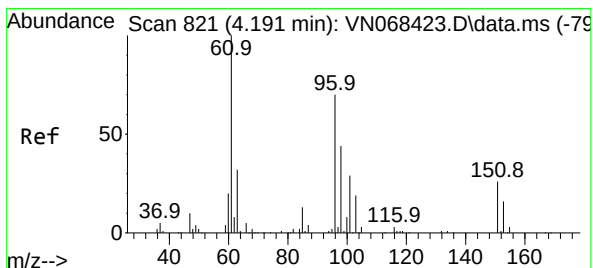
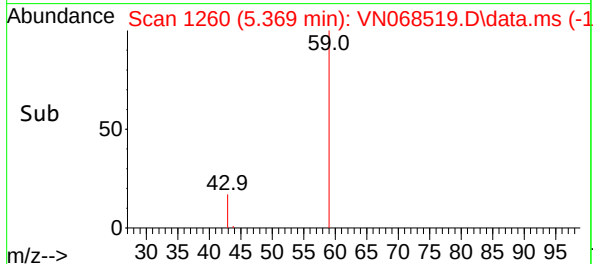
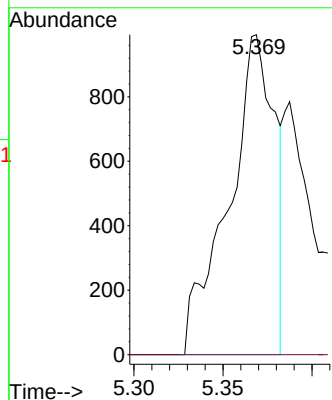
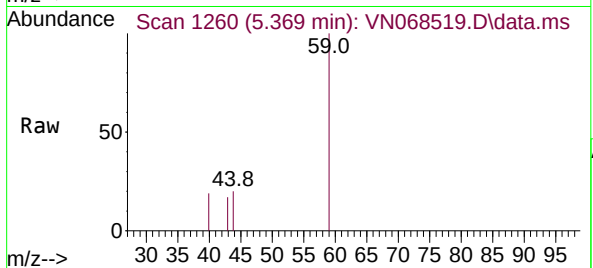


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.369 min Scan# 1260
Delta R.T. -0.005 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

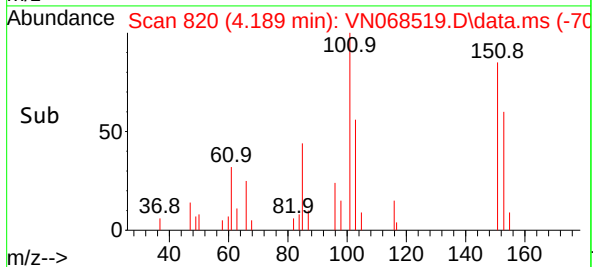
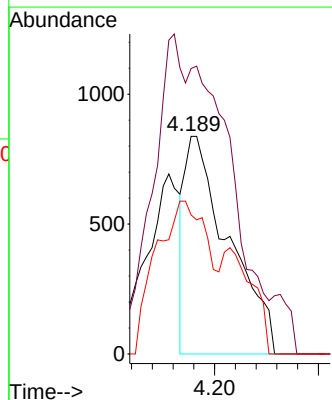
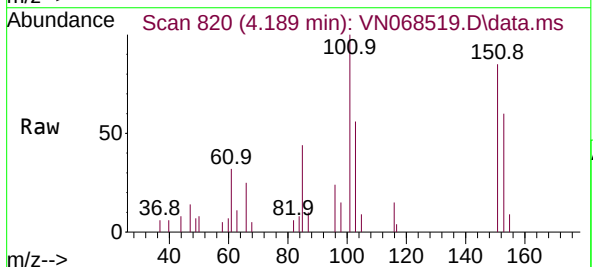
Tgt Ion: 59 Resp: 1788
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

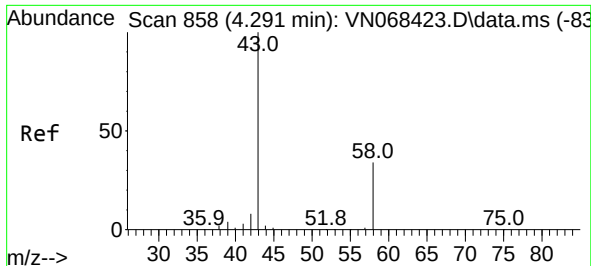


#12

1,1-Dichloroethene
Concen: 0.322 ug/l
RT: 4.189 min Scan# 820
Delta R.T. -0.002 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 96 Resp: 1228
Ion Ratio Lower Upper
96 100
61 103.8 114.7 172.1#
98 63.8 50.9 76.3

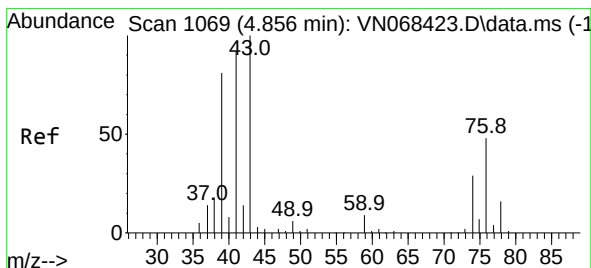
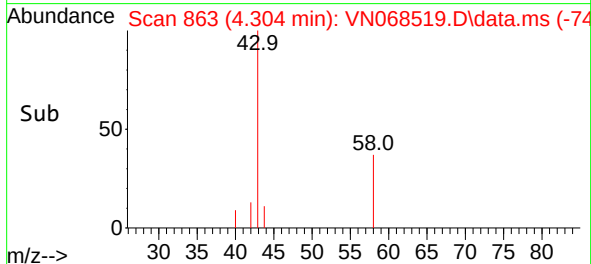
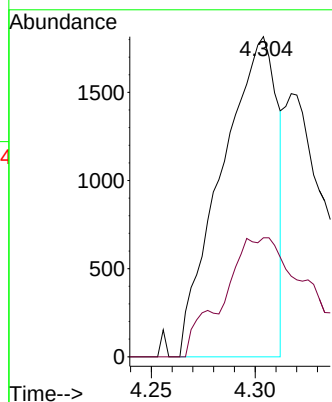
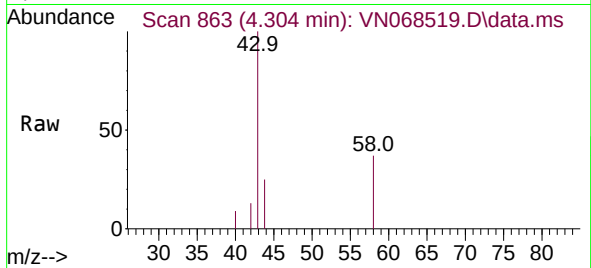




#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

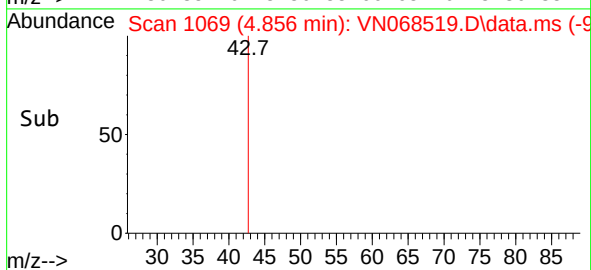
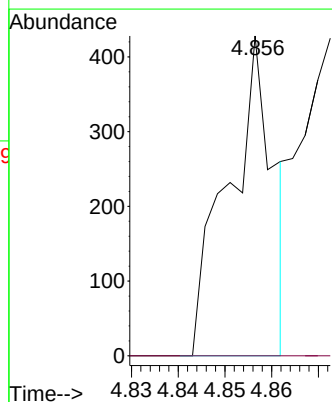
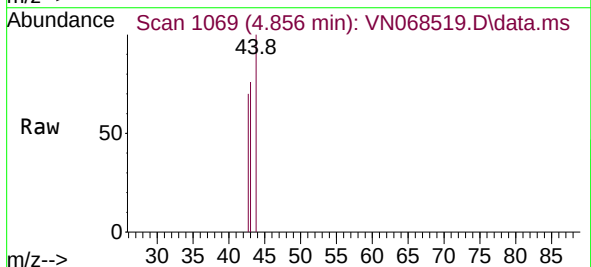
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

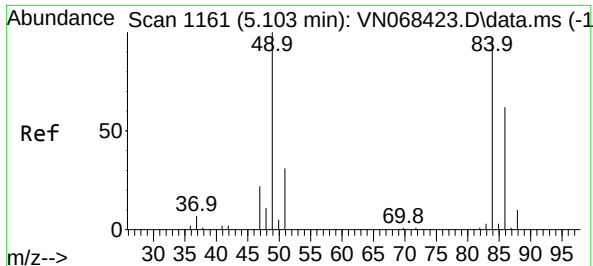
Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
58 37.2 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.106 min Scan# 1162

Delta R.T. 0.003 min

Lab File: VN068519.D

Acq: 17 Sep 2021 14:53

Instrument :

MSVOA_N

ClientSampleId :

RE135D3-20210915

Tgt Ion: 84 Resp: 1006

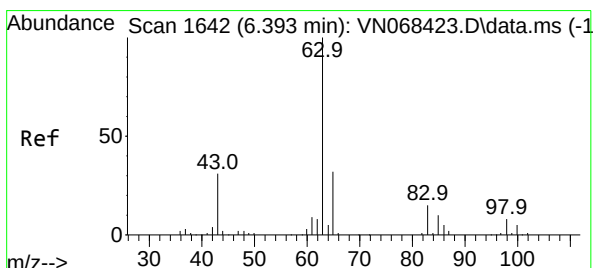
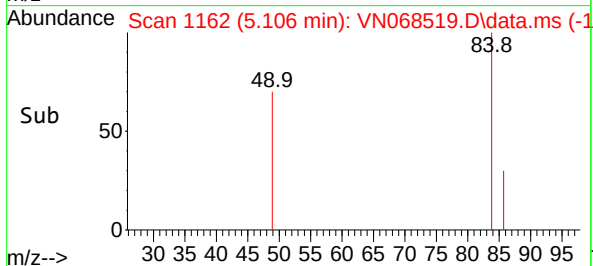
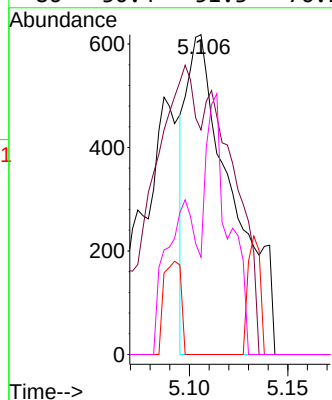
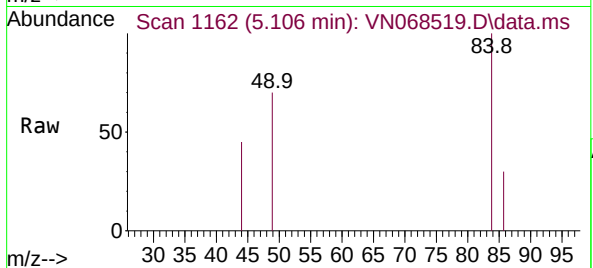
Ion Ratio Lower Upper

84 100

49 70.2 83.0 124.6#

51 0.0 25.4 38.0#

86 30.4 51.3 76.9#



#24

1,1-Dichloroethane

Concen: 0.439 ug/l

RT: 6.391 min Scan# 1641

Delta R.T. -0.002 min

Lab File: VN068519.D

Acq: 17 Sep 2021 14:53

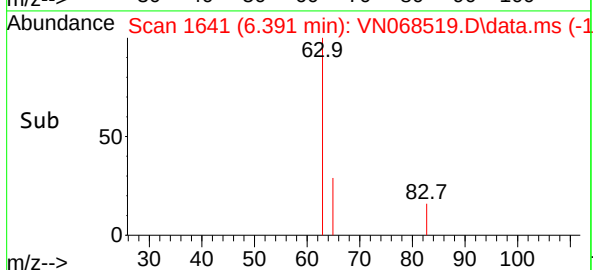
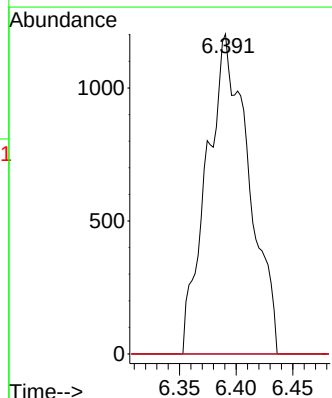
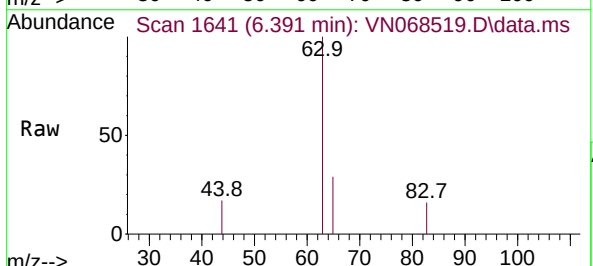
Tgt Ion: 63 Resp: 3114

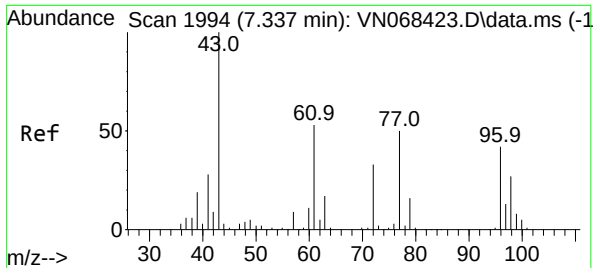
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 0.241 ug/l

RT: 7.361 min Scan# 2003

Delta R.T. 0.024 min

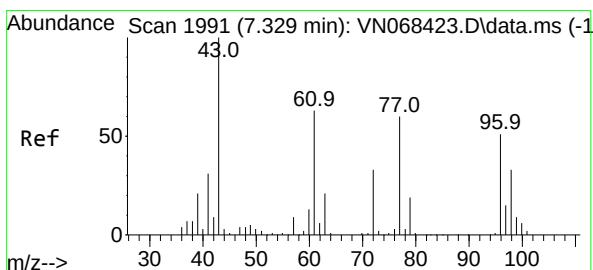
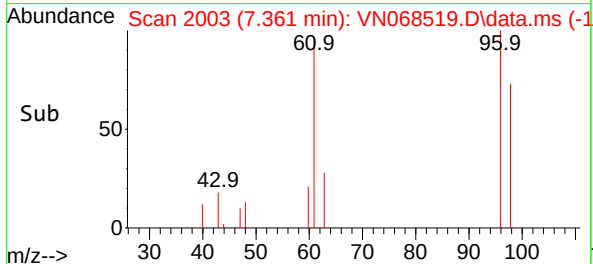
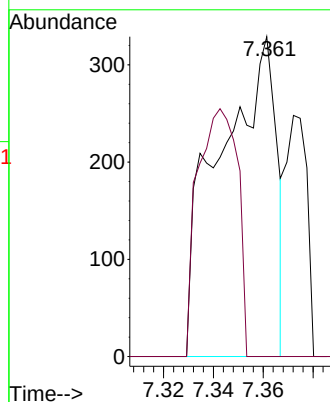
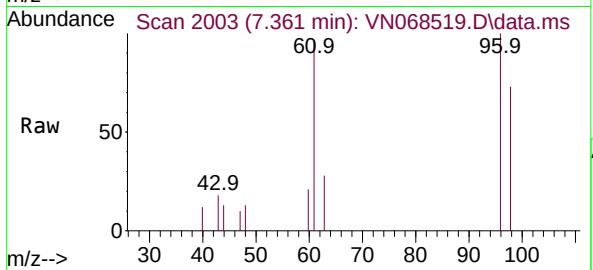
Lab File: VN068519.D

Acq: 17 Sep 2021 14:53

Tgt Ion: 43 Resp: 520

Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.7	40.1#

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#27

cis-1,2-Dichloroethene

Concen: 3.676 ug/l

RT: 7.329 min Scan# 1991

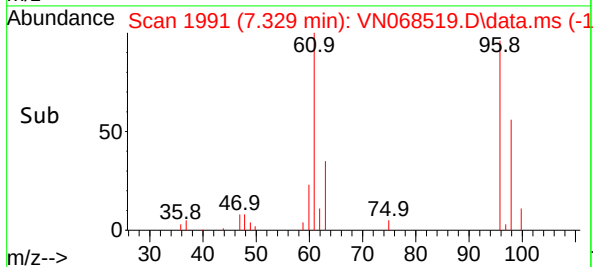
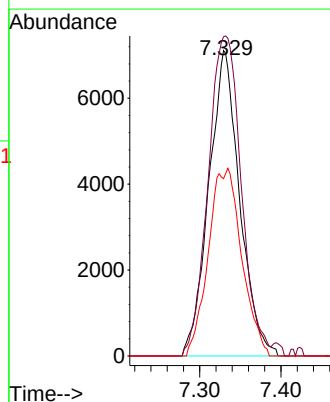
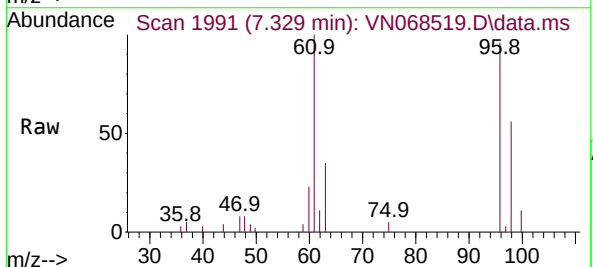
Delta R.T. 0.000 min

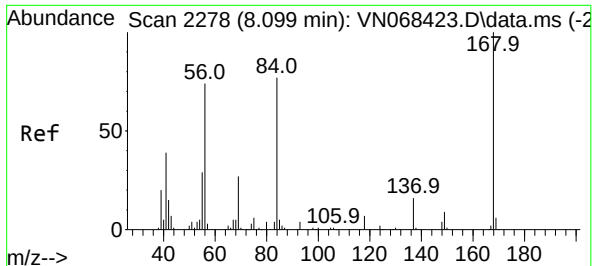
Lab File: VN068519.D

Acq: 17 Sep 2021 14:53

Tgt Ion: 96 Resp: 18771

Ion	Ratio	Lower	Upper
96	100		
61	112.1	0.0	246.4
98	32.0	0.0	130.4

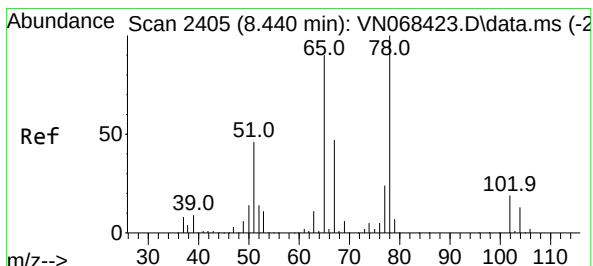
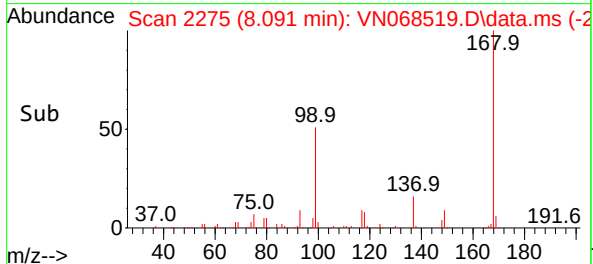
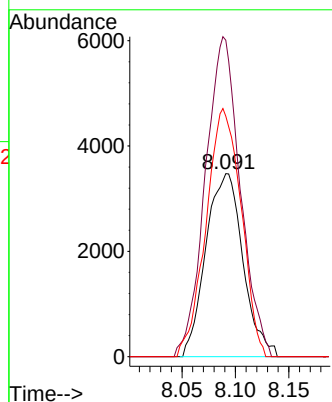
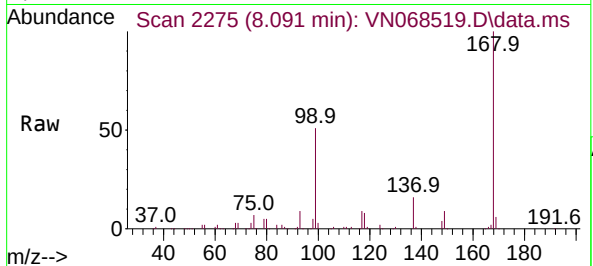




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

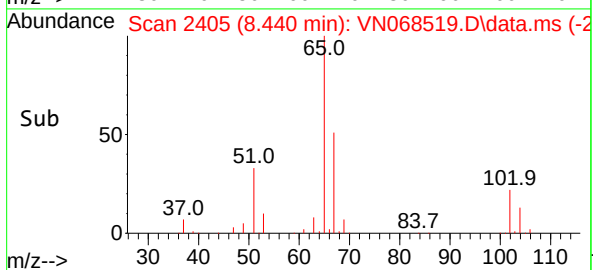
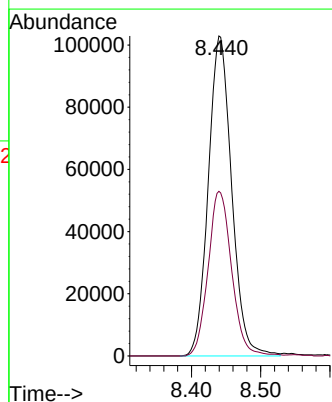
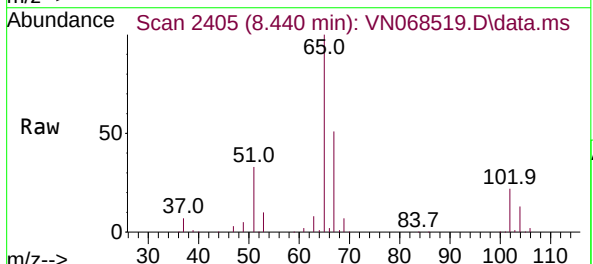
Instrument :
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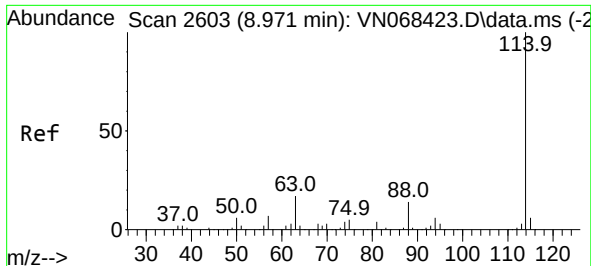
Tgt Ion: 56 Resp: 8387
Ion Ratio Lower Upper
56 100
69 172.9 29.4 44.0#
84 131.4 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 54.299 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 65 Resp: 241434
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

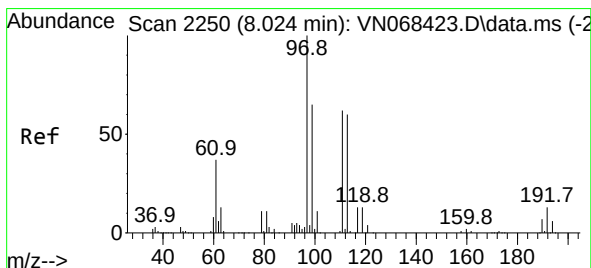
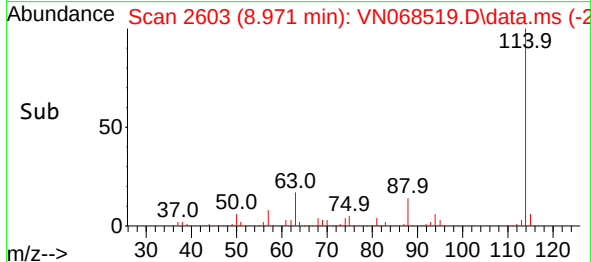
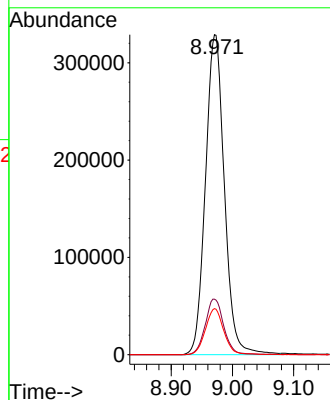
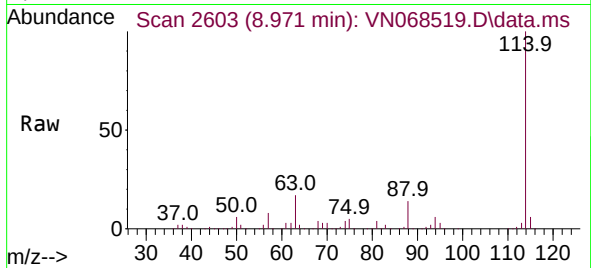




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

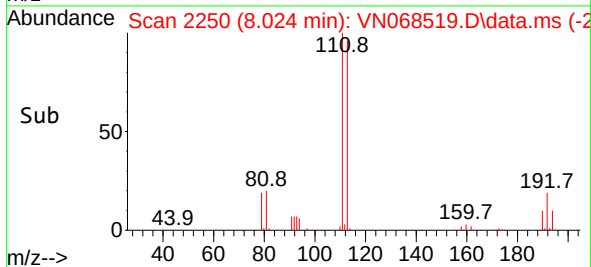
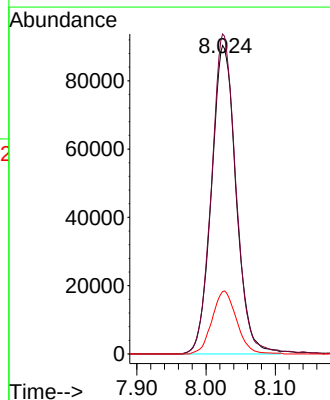
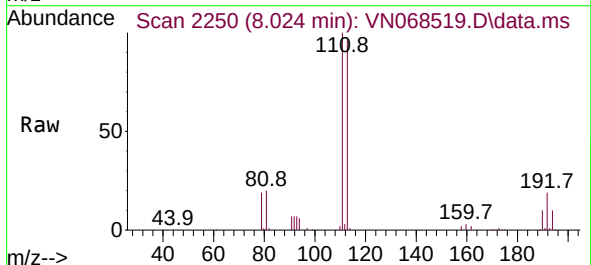
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

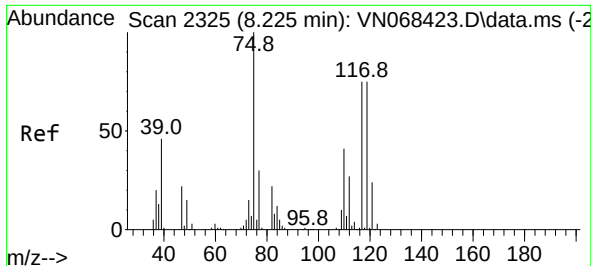
Tgt Ion:	114	Resp:	706099
Ion Ratio	Lower	Upper	
114	100		
63	17.3	0.0	33.2
88	14.4	0.0	28.4



#35
Dibromofluoromethane
Concen: 52.368 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion:	113	Resp:	223020
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.1	121.7
192	20.4	17.7	26.5

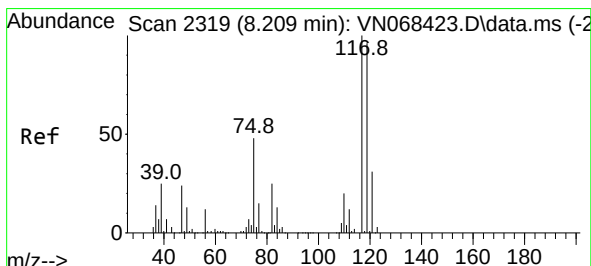
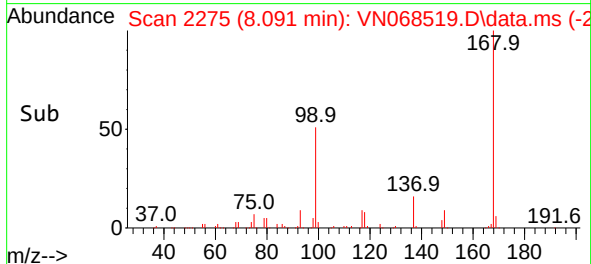
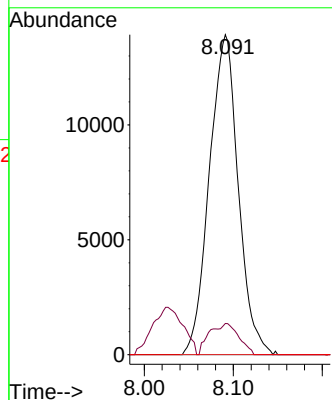
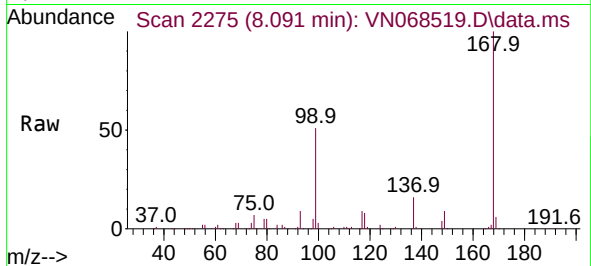




#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

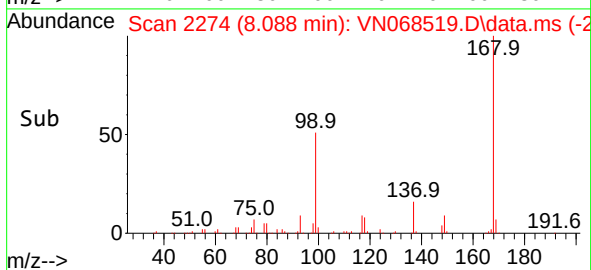
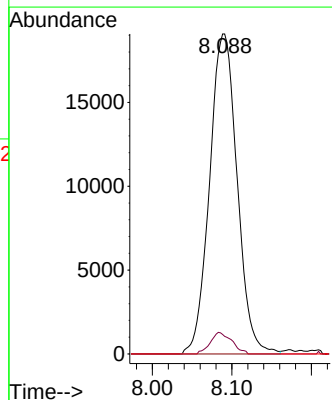
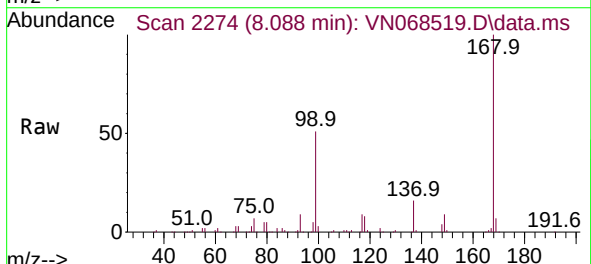
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

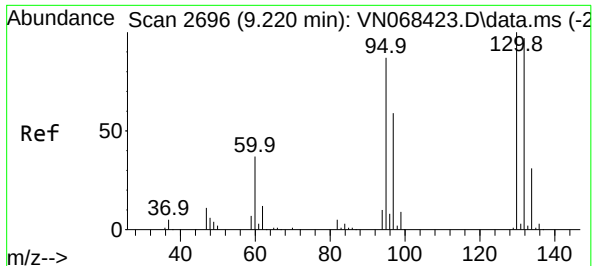
Tgt Ion: 75 Resp: 31428
Ion Ratio Lower Upper
75 100
110 9.9 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.529 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 117 Resp: 46044
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.5 36.7#

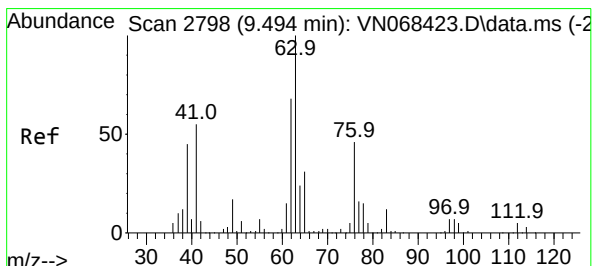
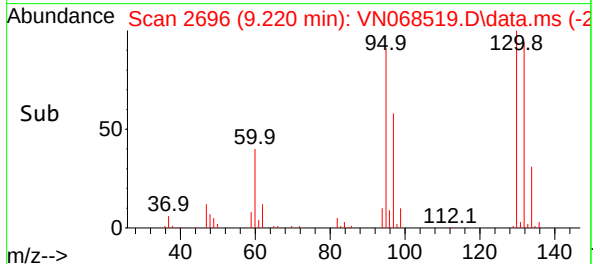
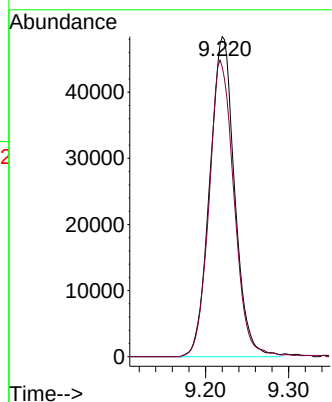
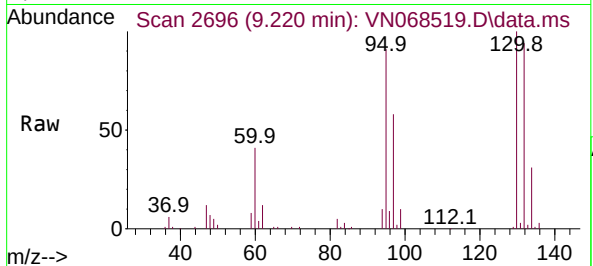




#44
Trichloroethene
Concen: 18.229 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

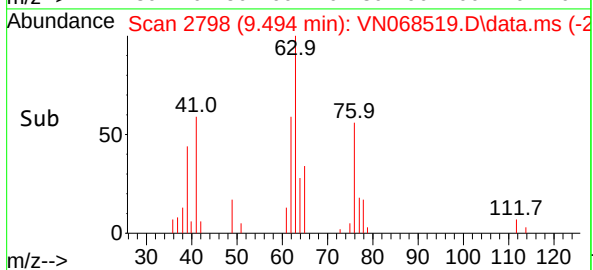
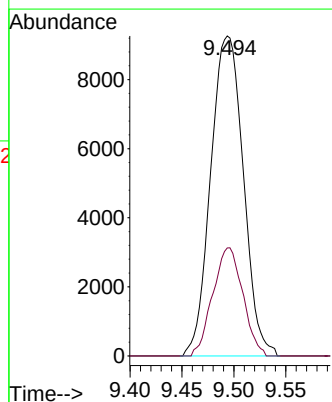
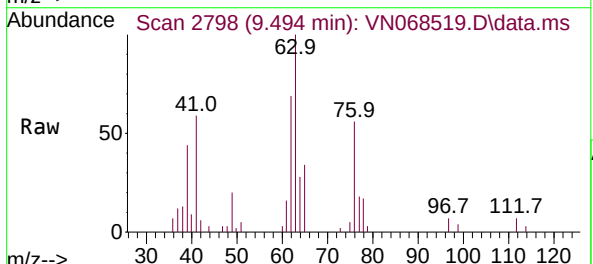
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

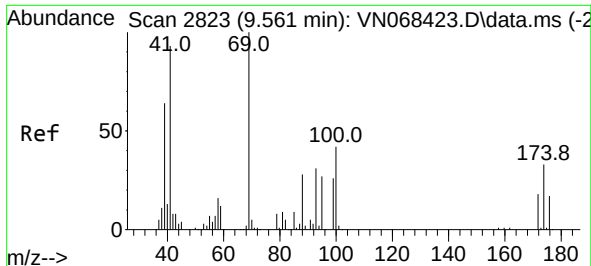
Tgt Ion:130 Resp: 100574
Ion Ratio Lower Upper
130 100
95 90.5 0.0 173.8



#45
1,2-Dichloropropane
Concen: 4.875 ug/l
RT: 9.494 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 63 Resp: 20282
Ion Ratio Lower Upper
63 100
65 33.7 24.8 37.2

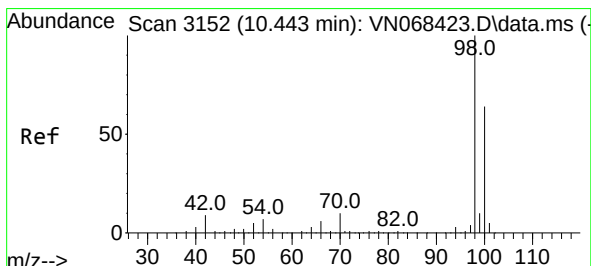
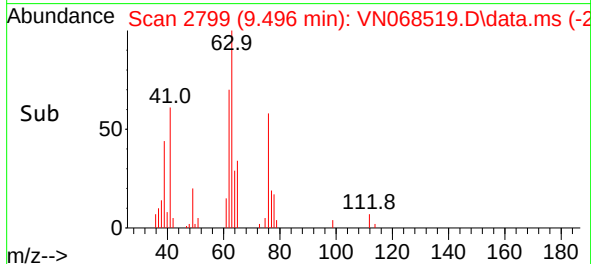
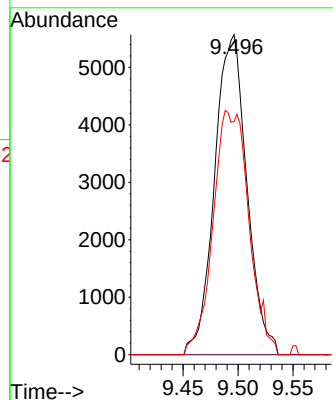
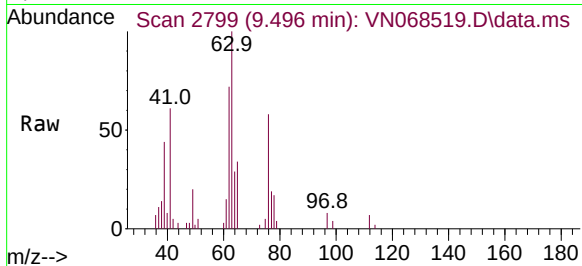




#48
Methyl methacrylate
Concen: 3.454 ug/l
RT: 9.496 min Scan# 2799
Delta R.T. -0.065 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

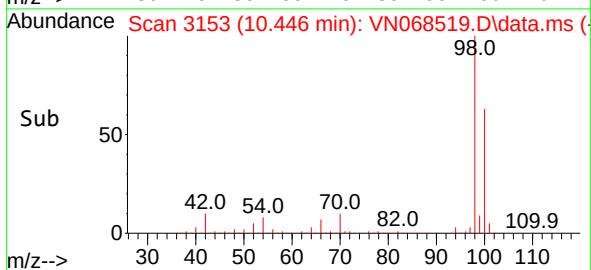
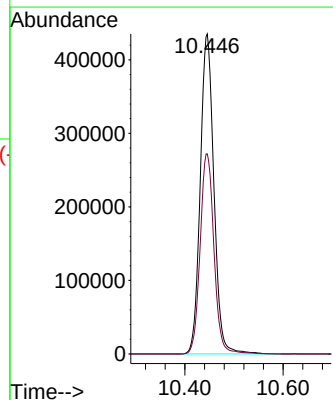
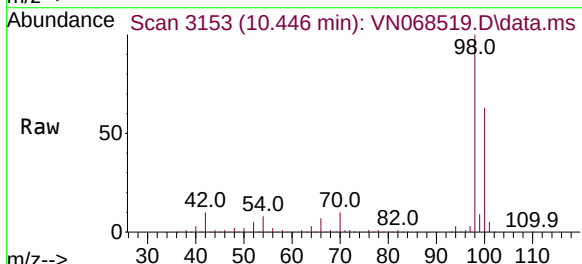
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

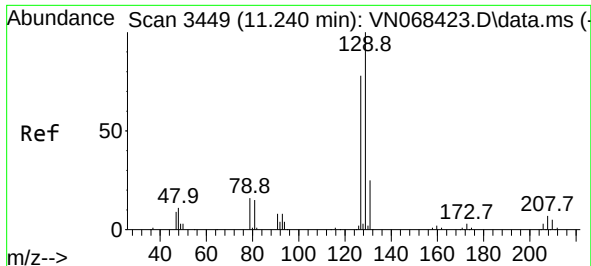
Tgt Ion: 41 Resp: 11396
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 84.4 50.3 75.5#



#50
Toluene-d8
Concen: 48.068 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 98 Resp: 836981
Ion Ratio Lower Upper
98 100
100 63.4 51.0 76.6

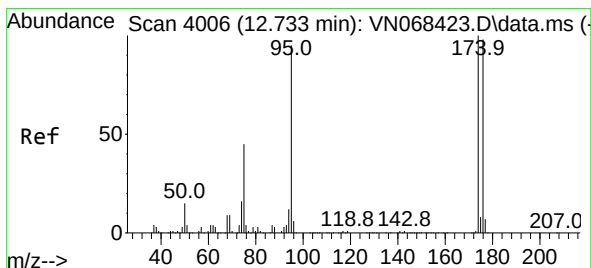
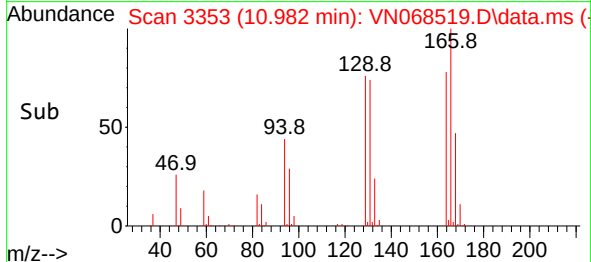
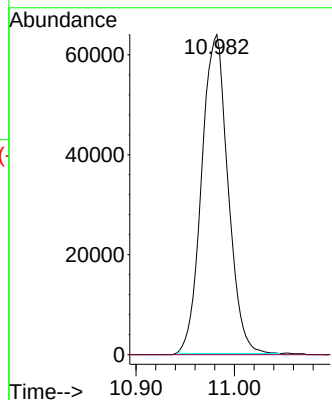
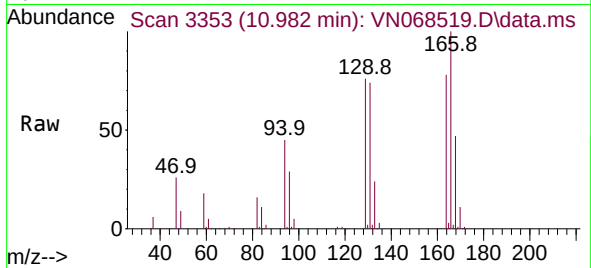




#60
Dibromochloromethane
Concen: 19.978 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

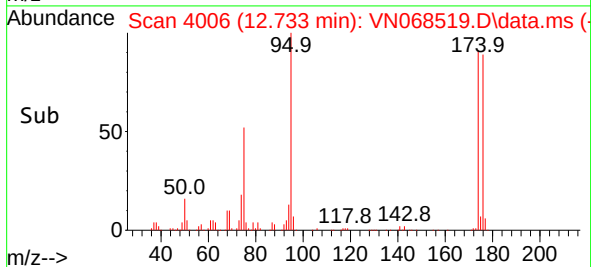
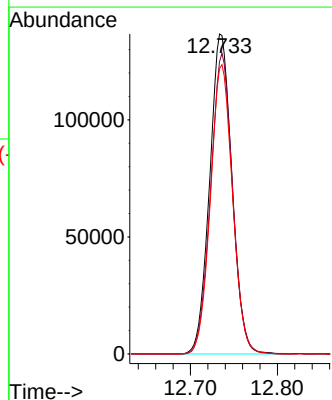
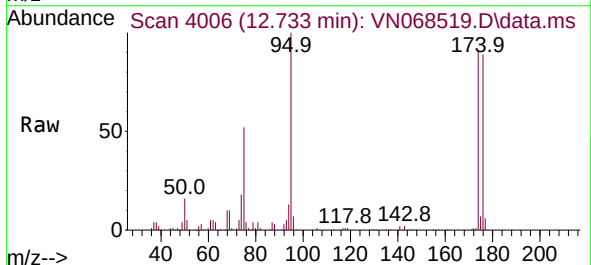
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

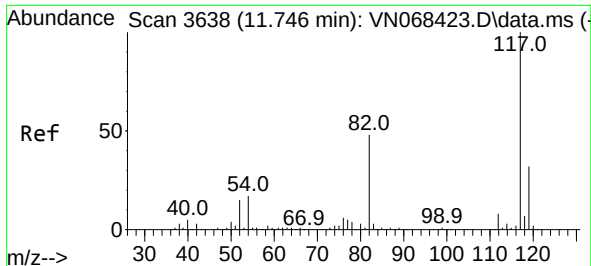
Tgt Ion:129 Resp: 118531
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 42.869 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion: 95 Resp: 243099
Ion Ratio Lower Upper
95 100
174 93.3 0.0 214.0
176 89.6 0.0 205.4

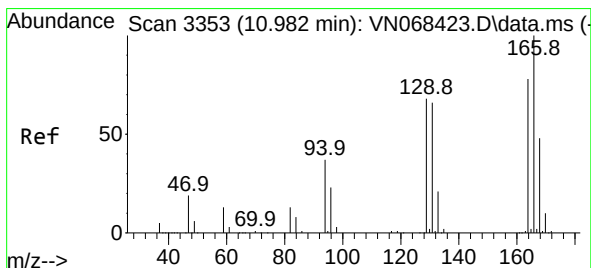
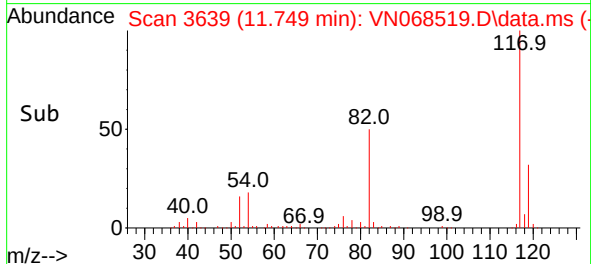
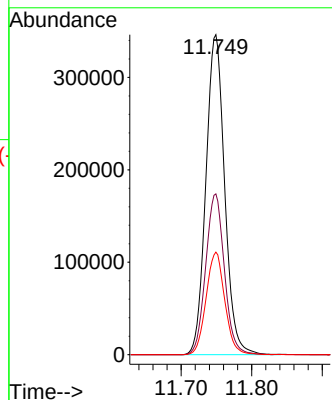
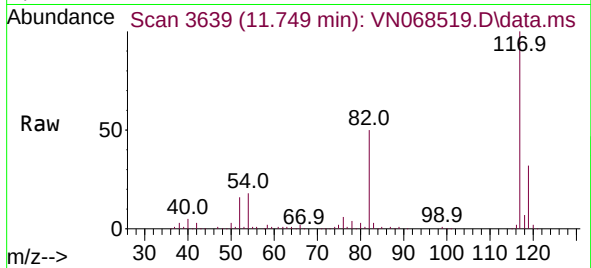




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

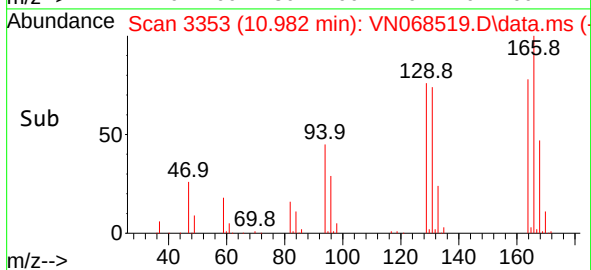
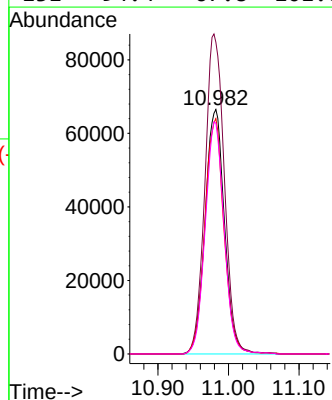
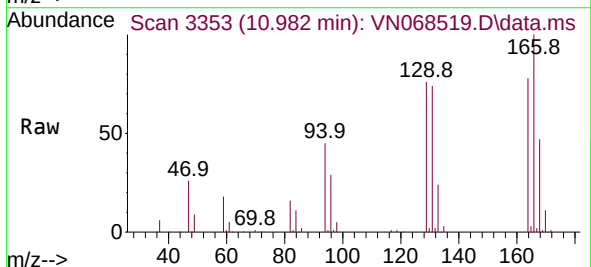
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

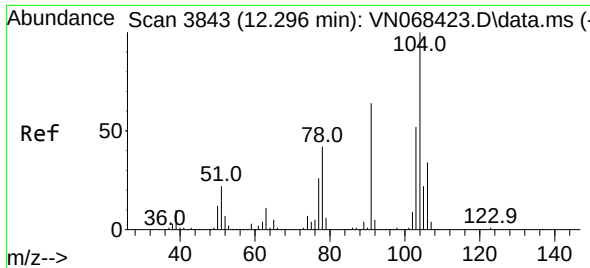
Tgt Ion:117 Resp: 640689
Ion Ratio Lower Upper
117 100
82 50.2 38.7 58.1
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 22.384 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion:164 Resp: 127109
Ion Ratio Lower Upper
164 100
166 127.5 102.9 154.3
129 96.3 70.1 105.1
131 94.4 67.8 101.6

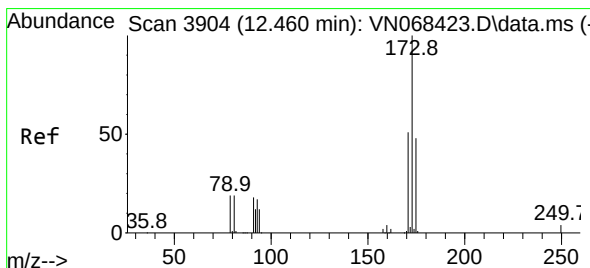
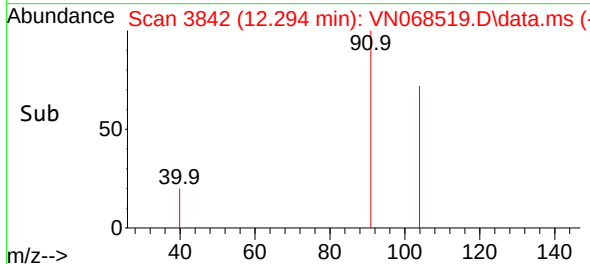
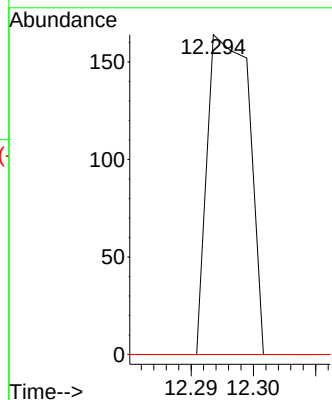
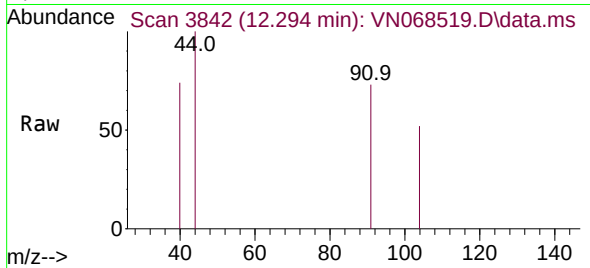




#70
Styrene
Concen: 1.759 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

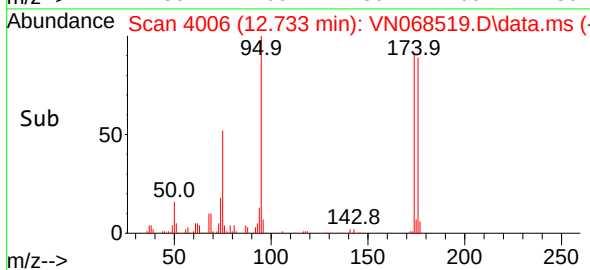
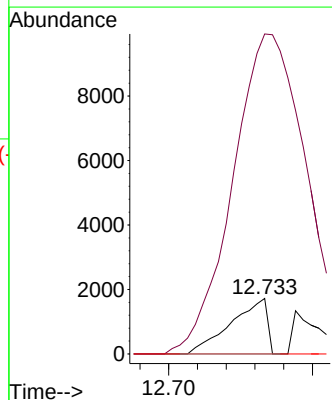
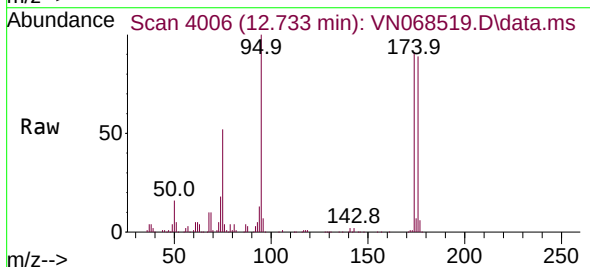
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

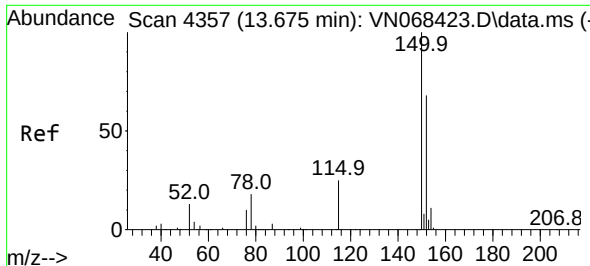
Tgt Ion:	104	Resp:	76
Ion Ratio	Lower	Upper	
104	100		
78	0.0	36.2	54.2#
103	0.0	44.4	66.6#



#71
Bromoform
Concen: 2.819 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

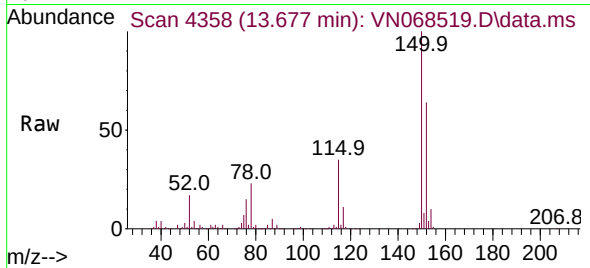
Tgt Ion:	173	Resp:	1506
Ion Ratio	Lower	Upper	
173	100		
175	1066.8	24.1	72.3#
254	0.0	0.0	0.0



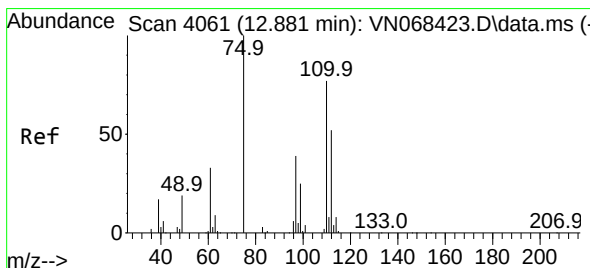
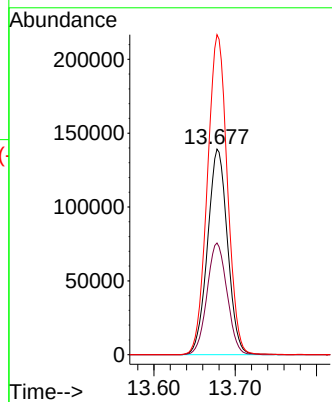
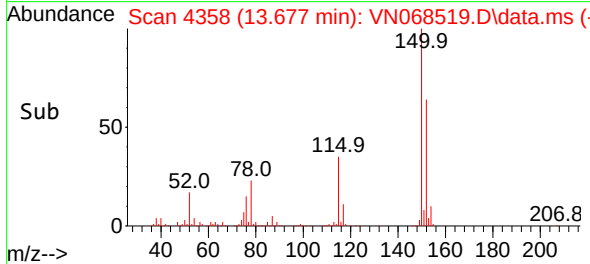


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

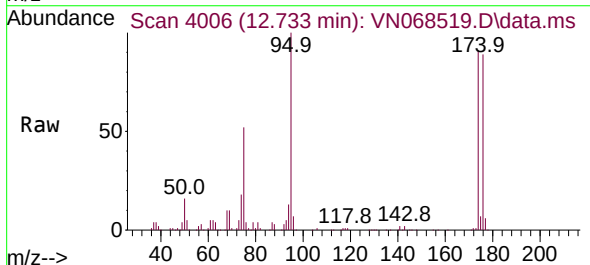
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915



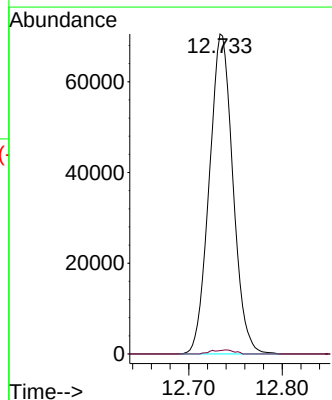
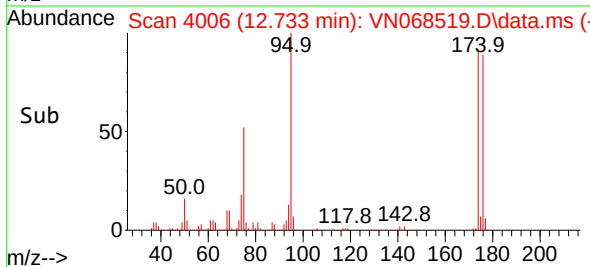
Tgt Ion:152 Resp: 237682
Ion Ratio Lower Upper
152 100
115 54.5 25.6 76.6
150 155.7 0.0 346.8

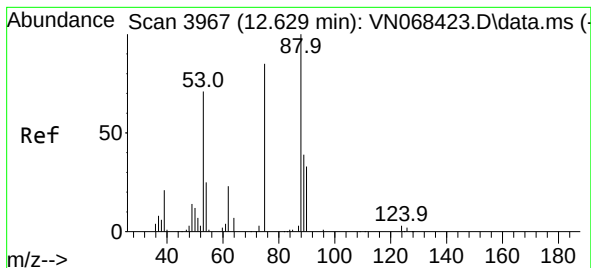


#76
1,2,3-Trichloropropane
Concen: 37.644 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53



Tgt Ion: 75 Resp: 123927
Ion Ratio Lower Upper
75 100
77 0.4 100.9 302.7#

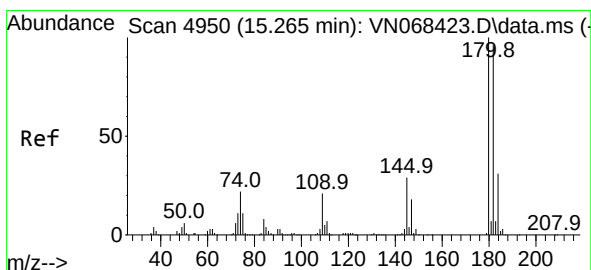
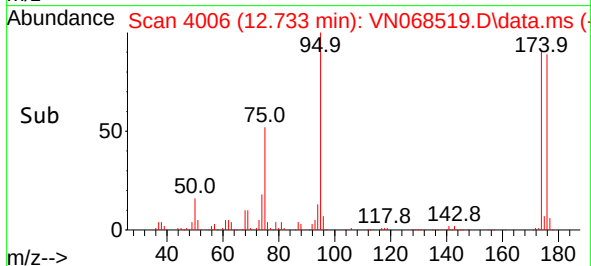
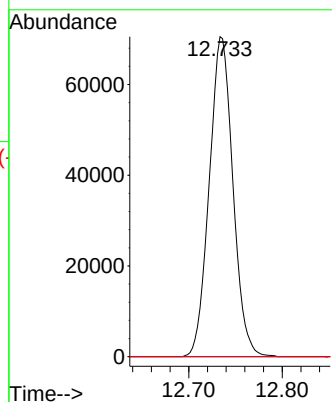
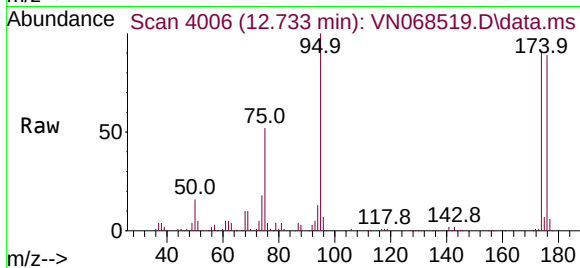




#81
trans-1,4-Dichloro-2-butene
Concen: 115.552 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

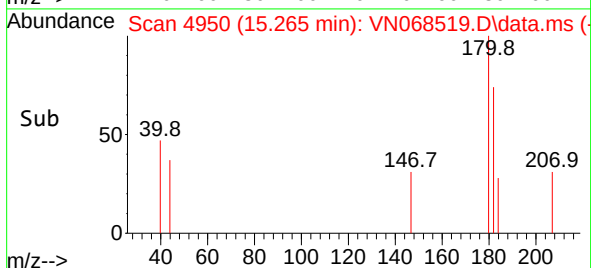
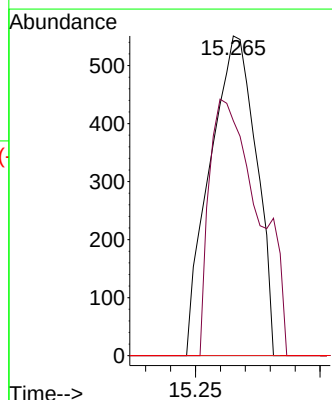
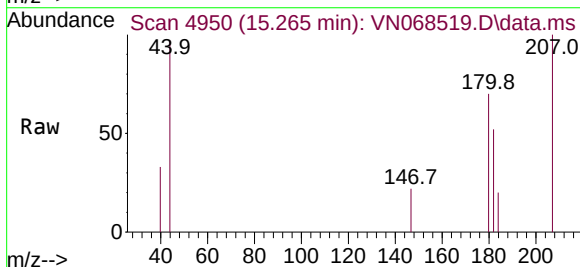
Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

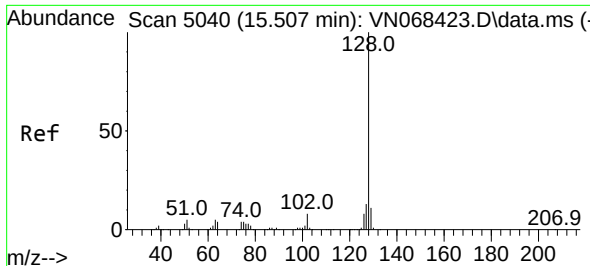
Tgt Ion: 75 Resp: 123927
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.109 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion:180 Resp: 710
Ion Ratio Lower Upper
180 100
182 84.6 47.5 142.6
145 0.0 14.1 42.4#

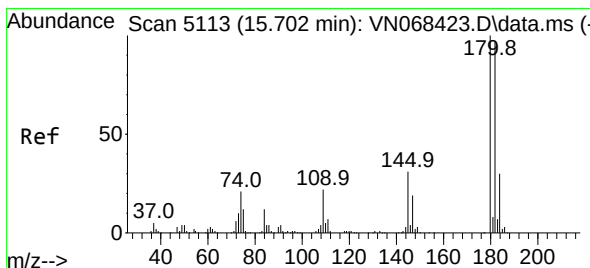
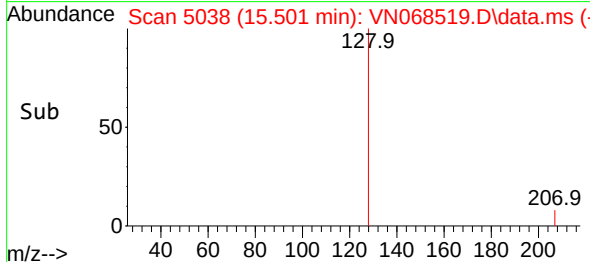
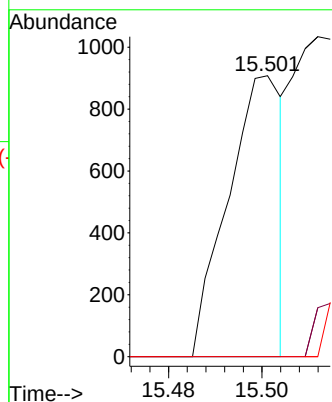
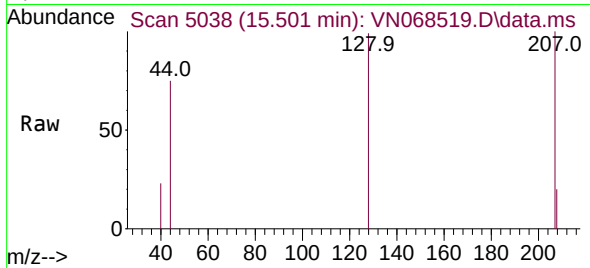




#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Instrument :
MSVOA_N
ClientSampleId :
RE135D3-20210915

Tgt Ion:128 Resp: 730
Ion Ratio Lower Upper
128 100
127 7.3 10.6 15.8#
129 12.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.147 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN068519.D
Acq: 17 Sep 2021 14:53

Tgt Ion:180 Resp: 769
Ion Ratio Lower Upper
180 100
182 25.7 47.9 143.6#
145 0.0 15.2 45.5#

