

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068593.D
 Acq On : 21 Sep 2021 19:48
 Operator : JC/MD
 Sample : PB139153ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 03:43:25 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)

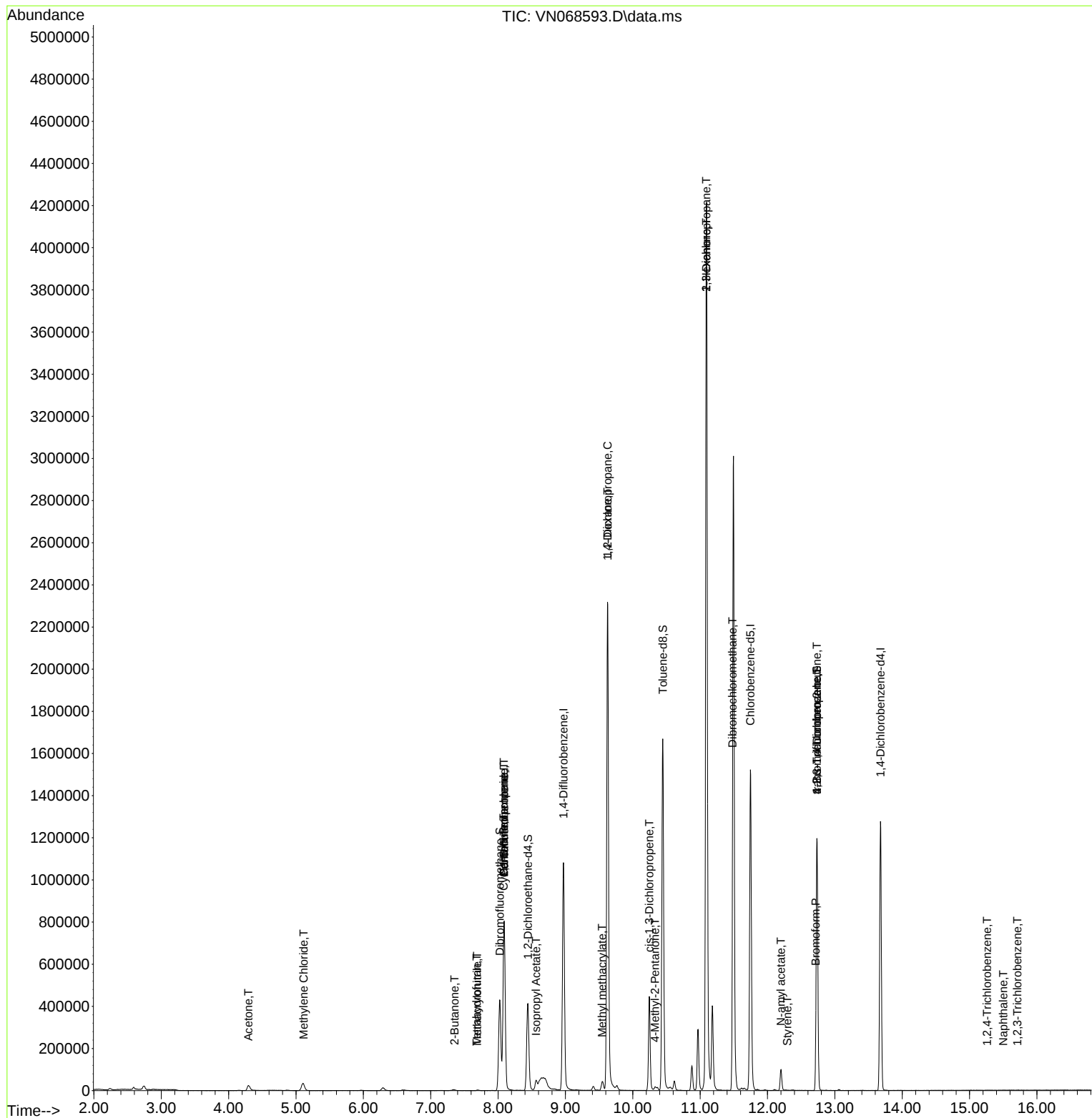
Internal Standards						
1) Pentafluorobenzene	8.091	168	676623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1029780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	983457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	389610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	347561	55.998	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.000%			
35) Dibromofluoromethane	8.027	113	315902	50.862	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.720%			
50) Toluene-d8	10.446	98	1259704	49.491	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.733	95	390148	46.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	490	Below Cal	#	73
5) Bromomethane	2.875	94	839	Below Cal		81
11) Tert butyl alcohol	5.369	59	82	Below Cal	#	84
16) Acetone	4.293	43	47718	19.025	ug/l	98
18) Methyl Acetate	4.867	43	2821	Below Cal	#	77
20) Methylene Chloride	5.111	84	30216	3.947	ug/l	97
25) 2-Butanone	7.353	43	7837	2.598	ug/l	89
29) Tetrahydrofuran	7.683	42	486	0.247	ug/l #	38
31) Cyclohexane	8.083	56	11836	1.258	ug/l #	45
36) 1,1-Dichloropropene	8.088	75	43555	5.073	ug/l #	40
38) Carbon Tetrachloride	8.088	117	64069	6.229	ug/l #	16
41) Methacrylonitrile	7.691	41	678	0.211	ug/l #	12
43) Isopropyl Acetate	8.563	43	53857	4.674	ug/l #	82
45) 1,2-Dichloropropane	9.625	63	3234	0.533	ug/l #	44
48) Methyl methacrylate	9.545	41	10670	2.218	ug/l #	6
49) 1,4-Dioxane	9.628	88	275	2.492	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	8306	1.263	ug/l #	86
54) cis-1,3-Dichloropropene	10.245	75	83373	8.570	ug/l #	68
57) 1,3-Dichloropropane	11.092	76	50277	4.876	ug/l #	42
59) 2-Hexanone	11.092	43	641748	145.689	ug/l #	46
60) Dibromochloromethane	11.481	129	119	1.815	ug/l #	11
70) Styrene	12.294	104	96	1.758	ug/l #	27
71) Bromoform	12.717	173	282	2.562	ug/l #	29
74) N-amyl acetate	12.197	43	31396	5.079	ug/l #	48
76) 1,2,3-Trichloropropane	12.733	75	199586	36.966	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	199586	113.529	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.260	180	59	2.967	ug/l #	1
95) Naphthalene	15.501	128	178	3.507	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.711	180	58	2.982	ug/l #	12

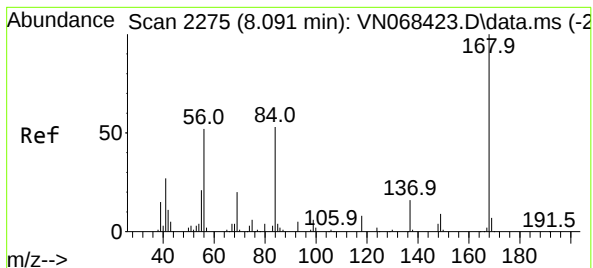
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
Data File : VN068593.D
Acq On : 21 Sep 2021 19:48
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 22 03:43:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VN068593.D

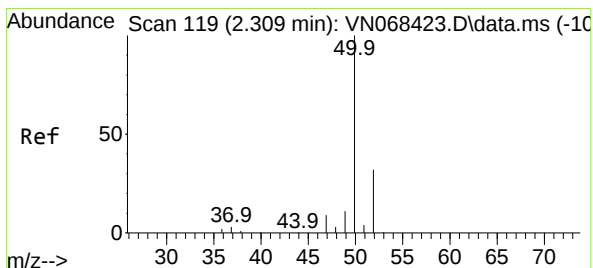
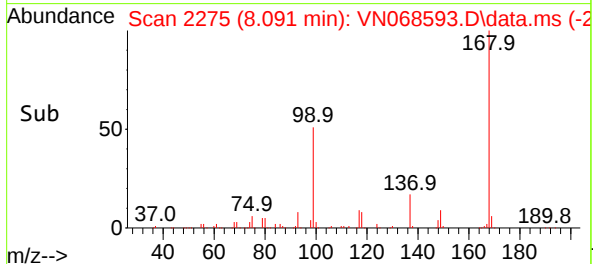
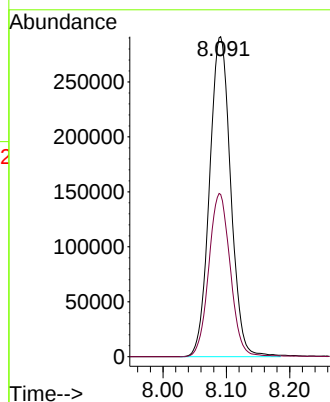
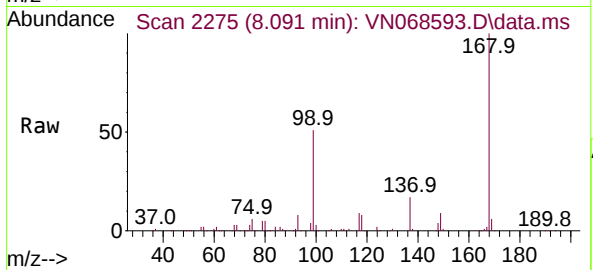
Acq: 21 Sep 2021 19:48

Tgt Ion:168 Resp: 676623

Ion Ratio Lower Upper

168 100

99 50.7 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. -0.003 min

Lab File: VN068593.D

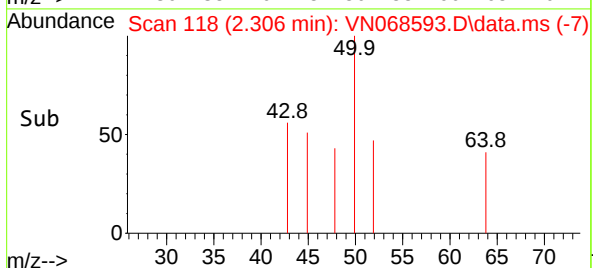
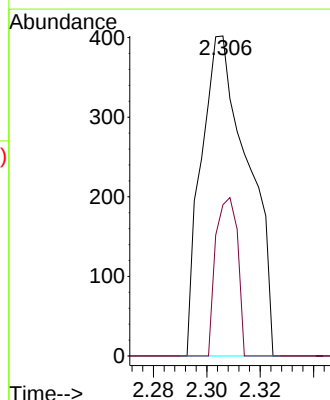
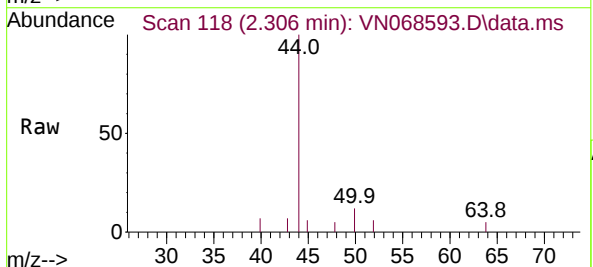
Acq: 21 Sep 2021 19:48

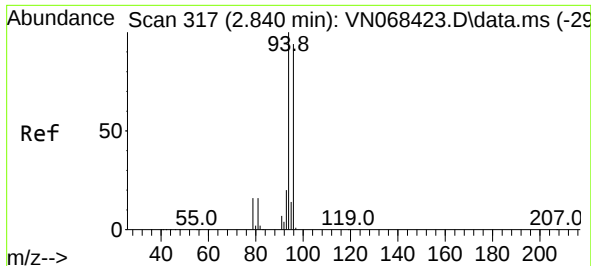
Tgt Ion: 50 Resp: 490

Ion Ratio Lower Upper

50 100

52 47.3 25.8 38.6#

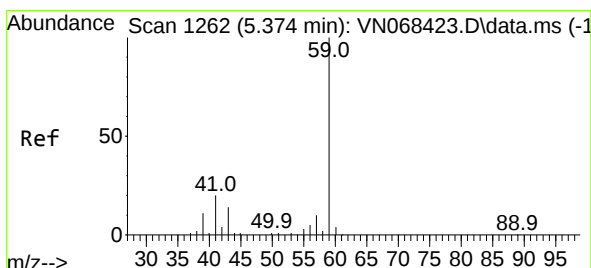
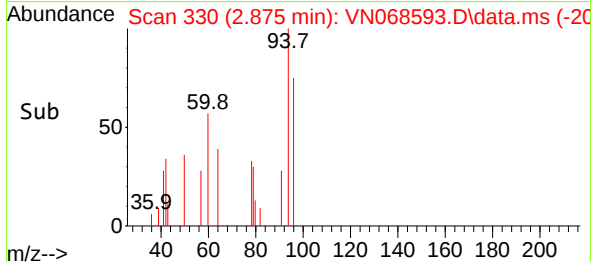
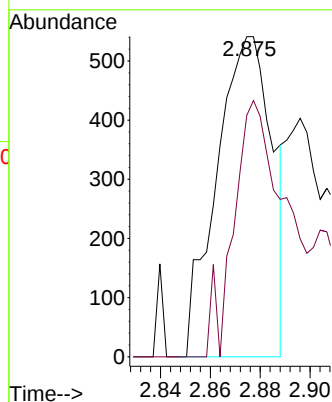
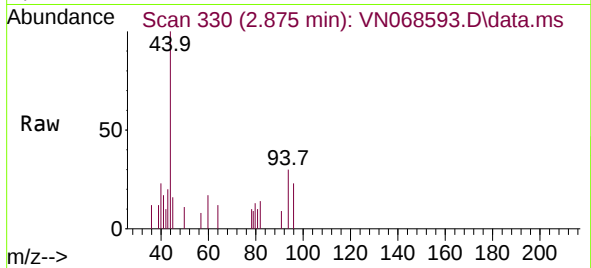




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.035 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

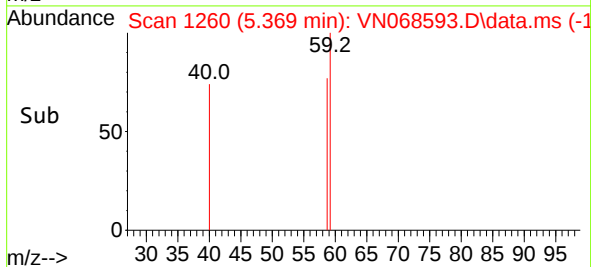
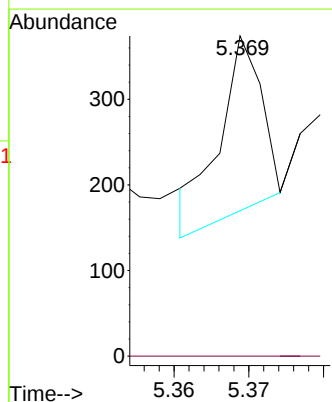
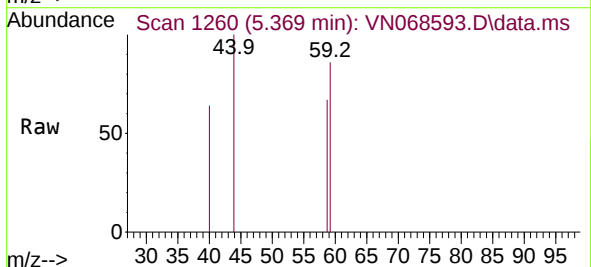
Instrument :
MSVOA_N
ClientSampleId :

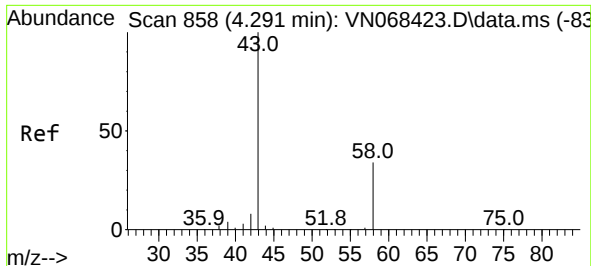
Tgt Ion: 94 Resp: 839
Ion Ratio Lower Upper
94 100
96 75.4 75.4 113.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.369 min Scan# 1260
Delta R.T. -0.005 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

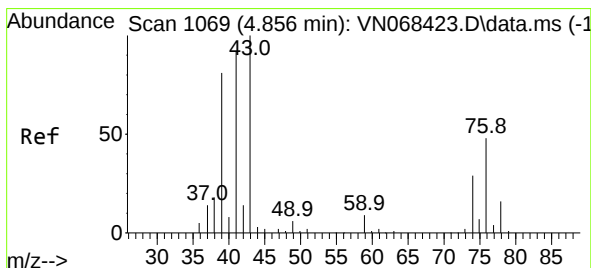
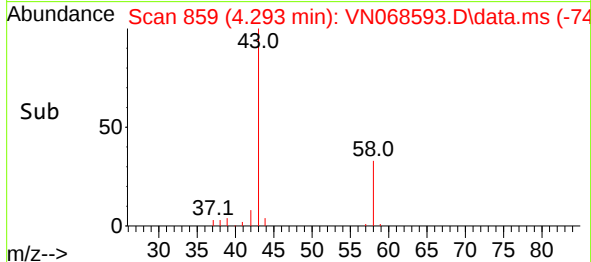
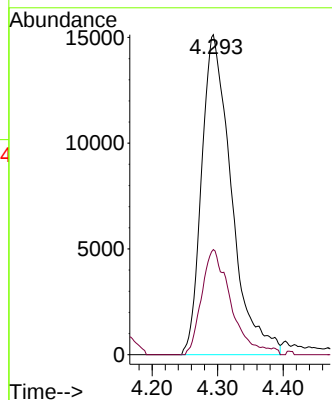
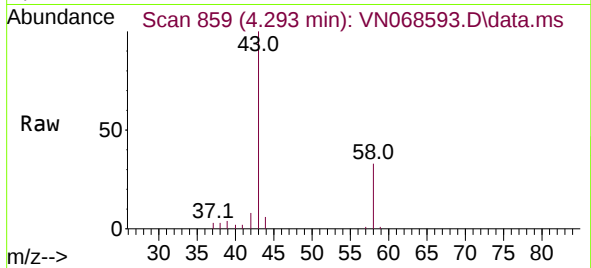




#16
Acetone
Concen: 19.025 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

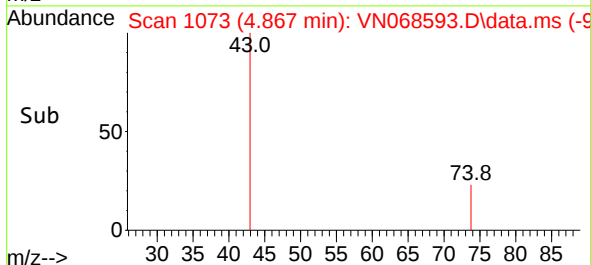
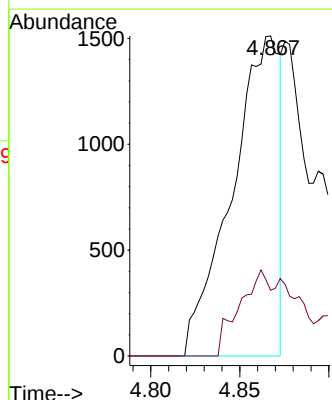
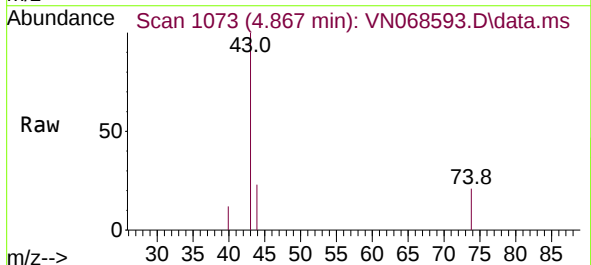
Instrument :
MSVOA_N
ClientSampled :

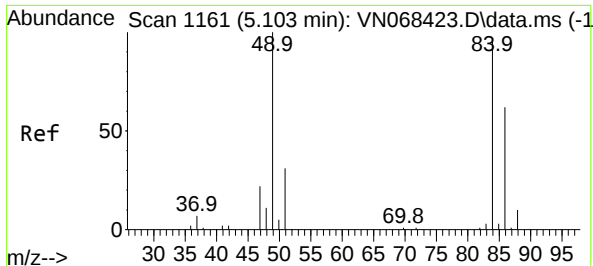
Tgt Ion: 43 Resp: 47718
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 43 Resp: 2821
Ion Ratio Lower Upper
43 100
74 17.2 23.5 35.3#

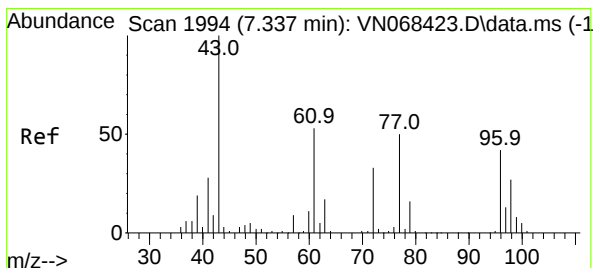
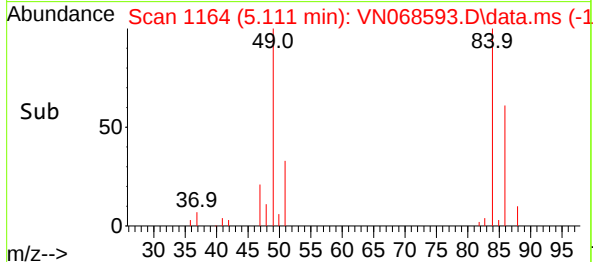
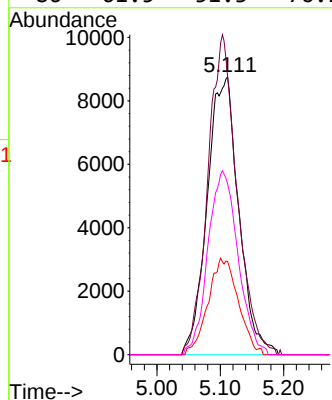
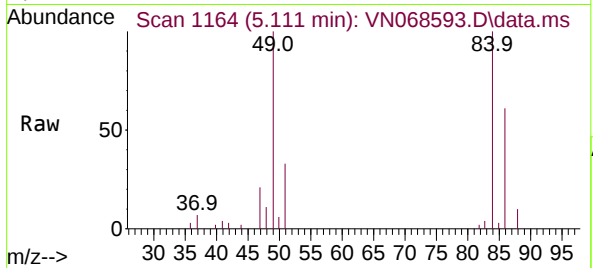




#20
Methylene Chloride
Concen: 3.947 ug/l
RT: 5.111 min Scan# 1164
Delta R.T. 0.008 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

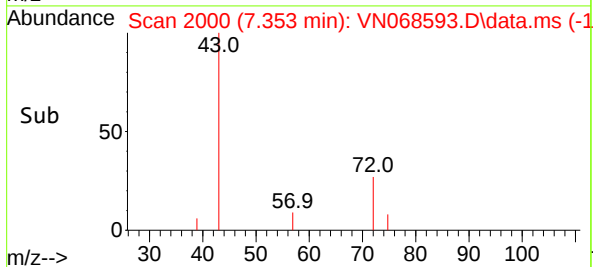
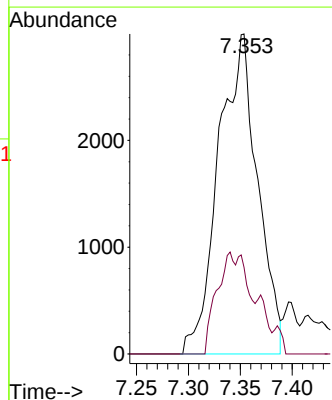
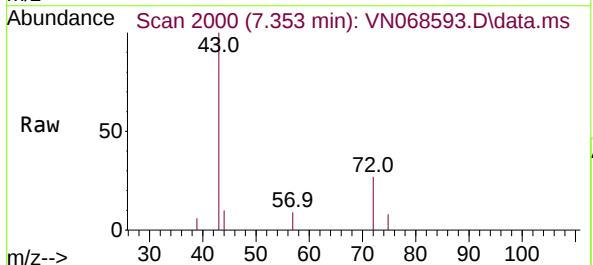
Instrument :
MSVOA_N
ClientSampled :

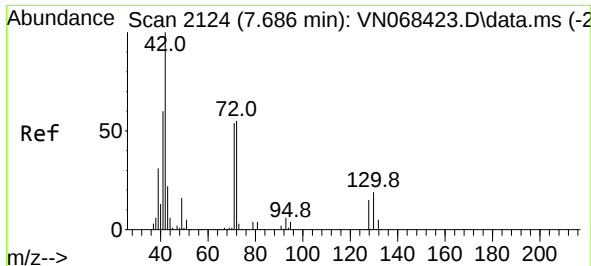
Tgt Ion: 84	Resp: 30216
Ion Ratio	Lower Upper
84 100	
49 100.4	83.0 124.6
51 33.6	25.4 38.0
86 61.5	51.3 76.9



#25
2-Butanone
Concen: 2.598 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 43	Resp: 7837
Ion Ratio	Lower Upper
43 100	
72 27.1	26.7 40.1





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 7.683 min Scan# 2123

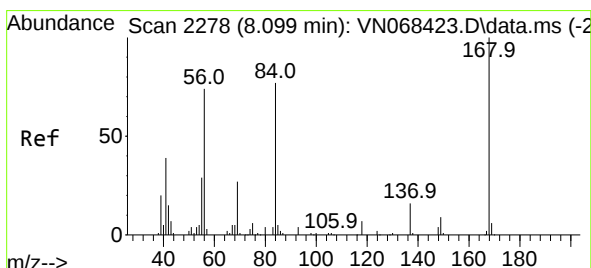
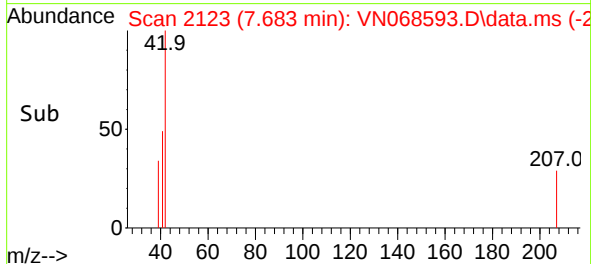
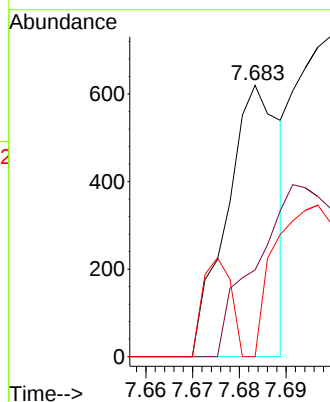
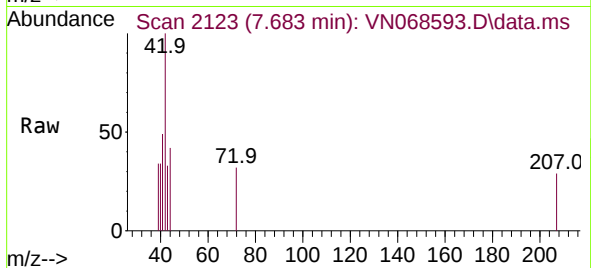
Delta R.T. -0.003 min

Lab File: VN068593.D

Acq: 21 Sep 2021 19:48

Tgt Ion:	42	Resp:	486
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.4	66.6#
71	19.5	42.3	63.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.258 ug/l

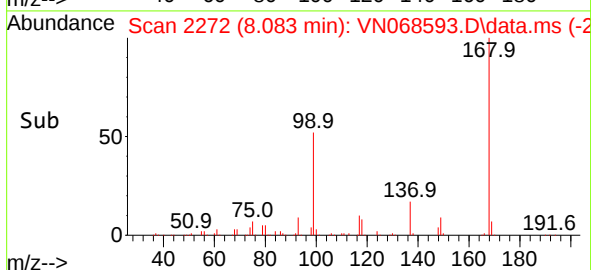
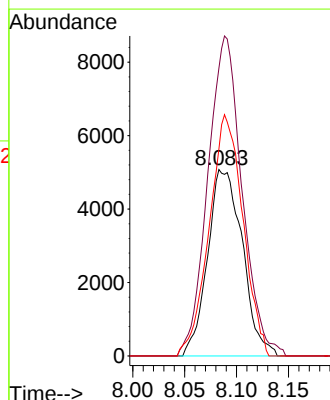
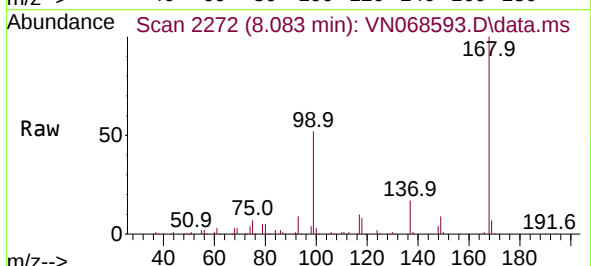
RT: 8.083 min Scan# 2272

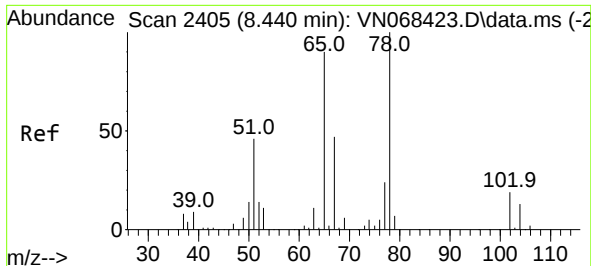
Delta R.T. -0.016 min

Lab File: VN068593.D

Acq: 21 Sep 2021 19:48

Tgt Ion:	56	Resp:	11836
Ion	Ratio	Lower	Upper
56	100		
69	151.1	29.4	44.0#
84	111.1	83.6	125.4



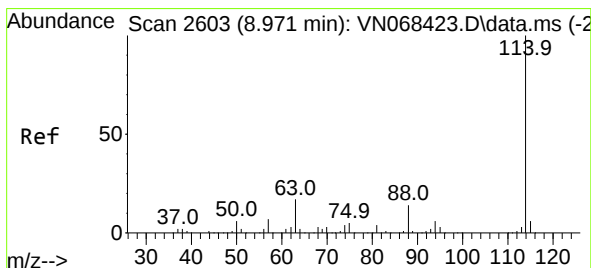
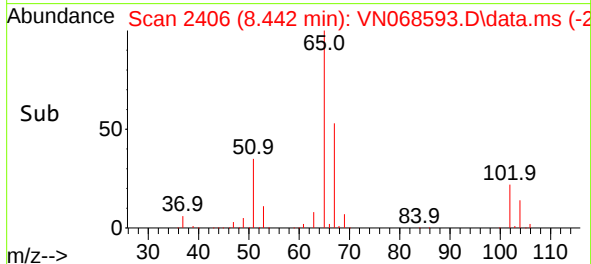
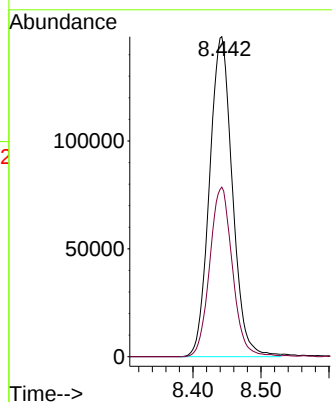
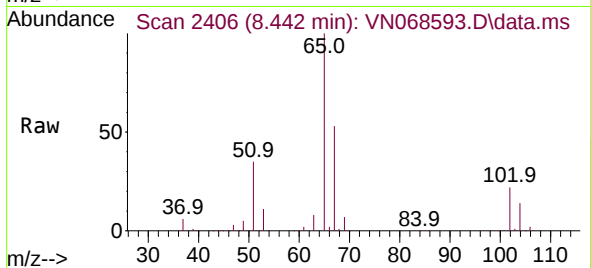


#33

1,2-Dichloroethane-d4
Concen: 55.998 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Instrument :
MSVOA_N
ClientSampled :

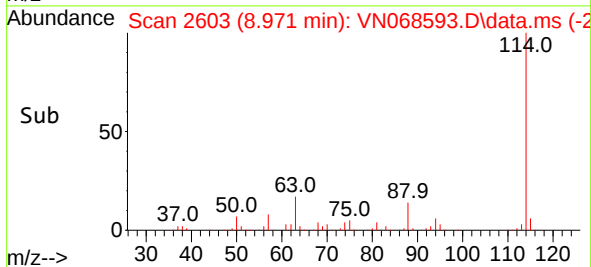
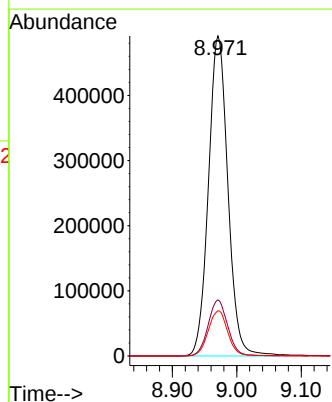
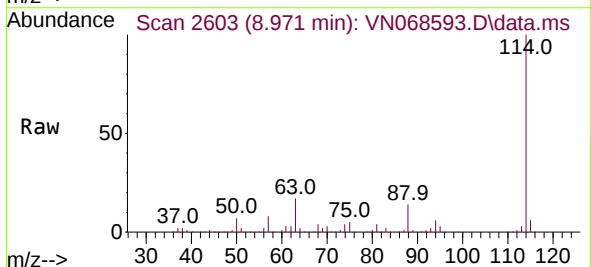
Tgt Ion: 65 Resp: 347561
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

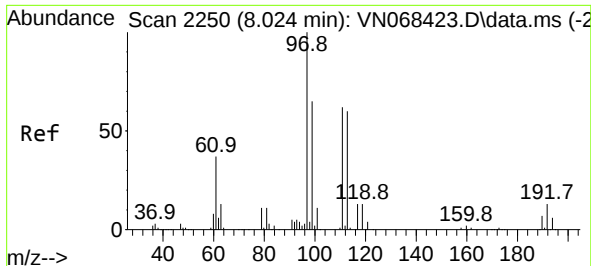


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 114 Resp: 1029780
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.2
88 14.1 0.0 28.4

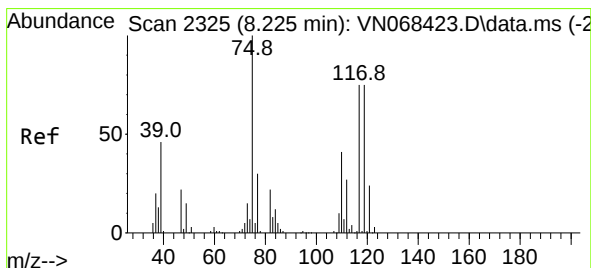
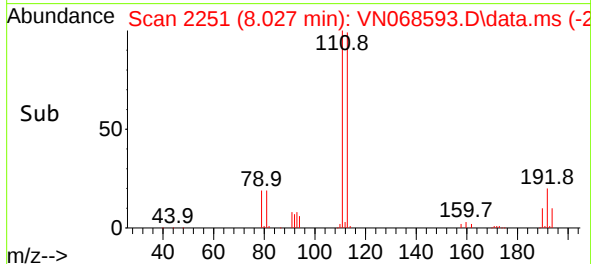
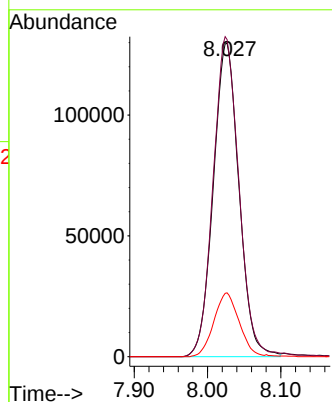
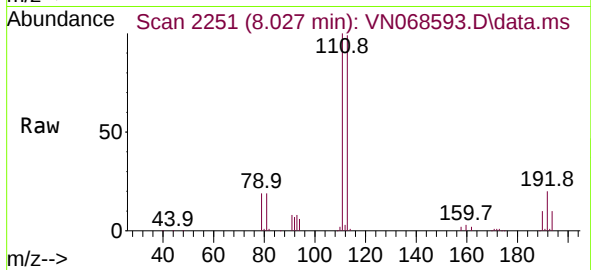




#35
 Dibromofluoromethane
 Concen: 50.862 ug/l
 RT: 8.027 min Scan# 2251
 Delta R.T. 0.003 min
 Lab File: VN068593.D
 Acq: 21 Sep 2021 19:48

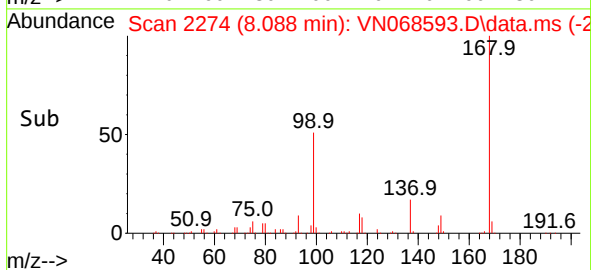
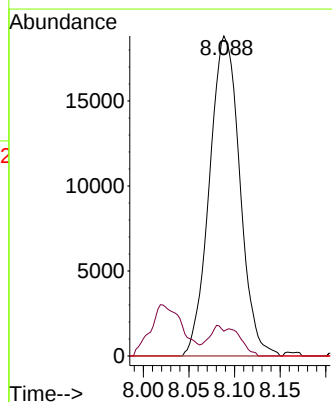
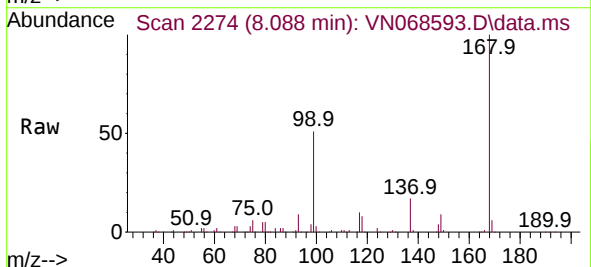
Instrument :
 MSVOA_N
 ClientSampled :

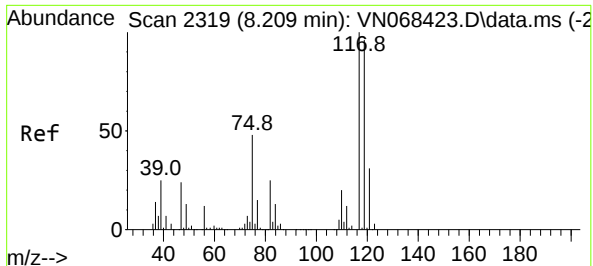
Tgt Ion:113 Resp: 315902
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 20.0 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.137 min
 Lab File: VN068593.D
 Acq: 21 Sep 2021 19:48

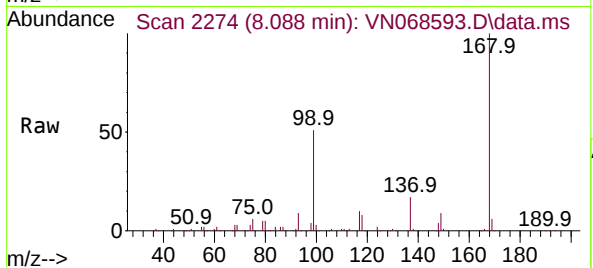
Tgt Ion: 75 Resp: 43555
 Ion Ratio Lower Upper
 75 100
 110 2.4 20.8 62.5#
 77 0.0 25.0 37.6#



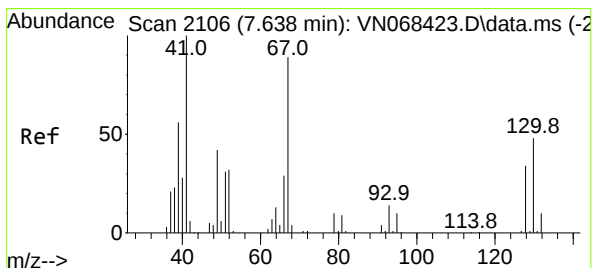
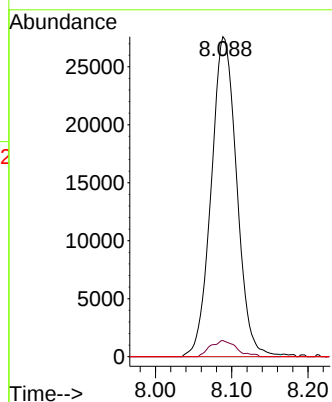
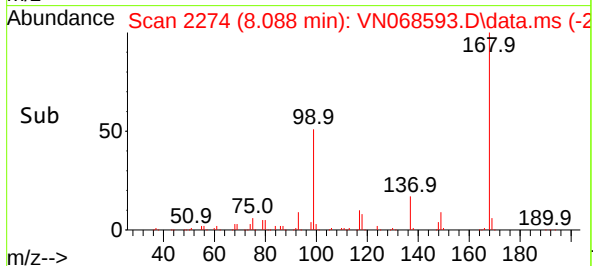


#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

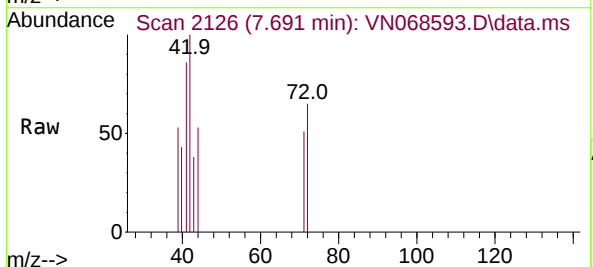
Instrument :
MSVOA_N
ClientSampled :



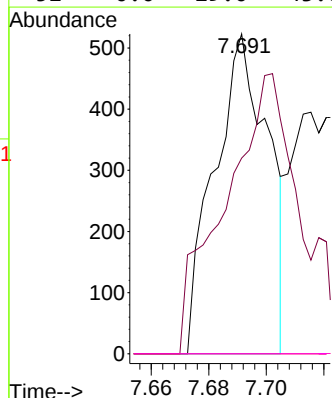
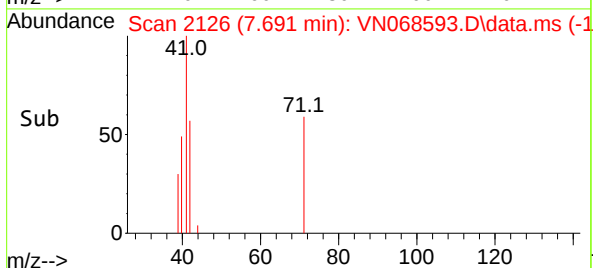
Tgt Ion:117 Resp: 64069
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 24.5 36.7#

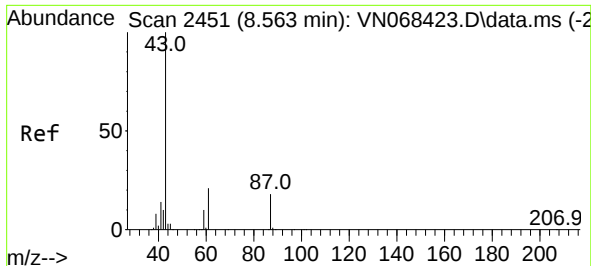


#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.053 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48



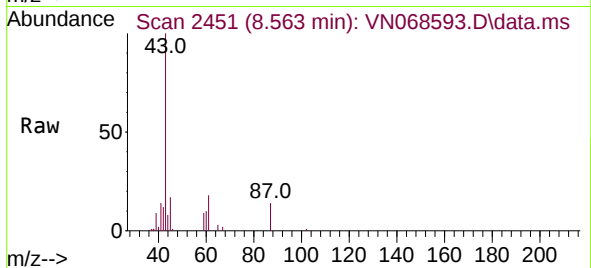
Tgt Ion: 41 Resp: 678
Ion Ratio Lower Upper
41 100
39 120.6 45.4 68.2#
67 0.0 78.7 118.1#
52 0.0 29.0 43.6#



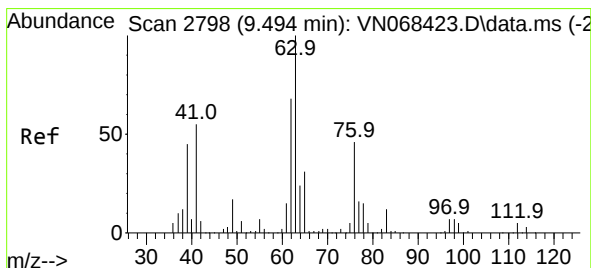
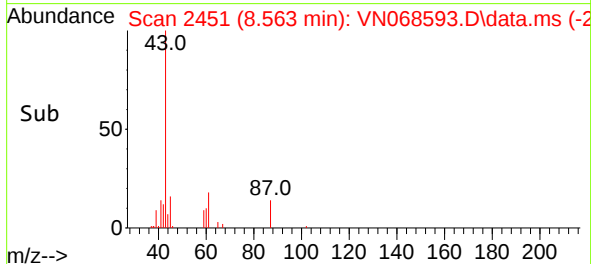
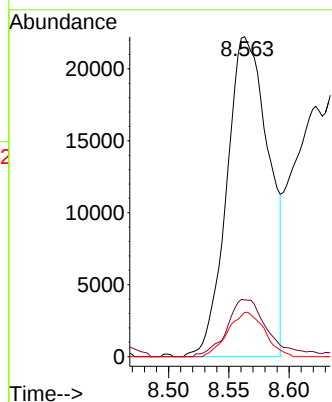


#43
Isopropyl Acetate
Concen: 4.674 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Instrument :
MSVOA_N
ClientSampled :

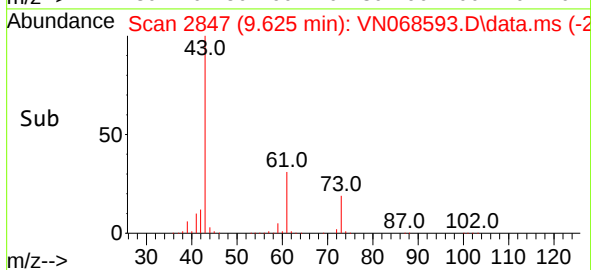
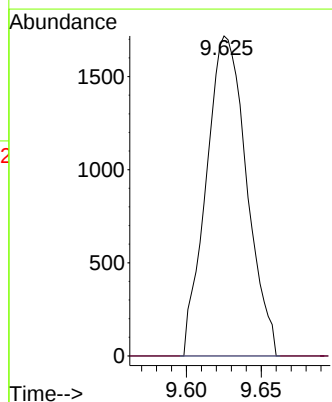
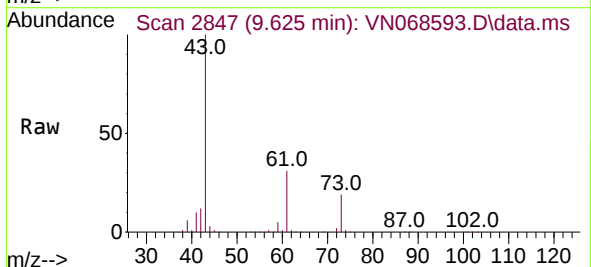


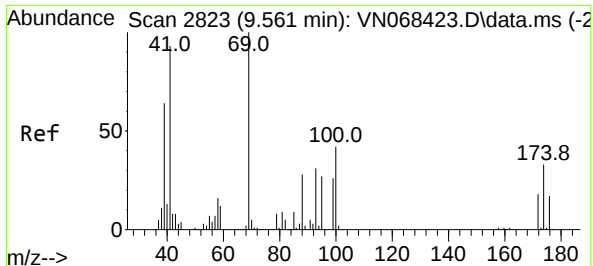
Tgt Ion: 43 Resp: 53857
Ion Ratio Lower Upper
43 100
61 17.6 23.3 34.9#
87 12.1 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.533 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 63 Resp: 3234
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#





#48

Methyl methacrylate

Concen: 2.218 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN068593.D

Acq: 21 Sep 2021 19:48

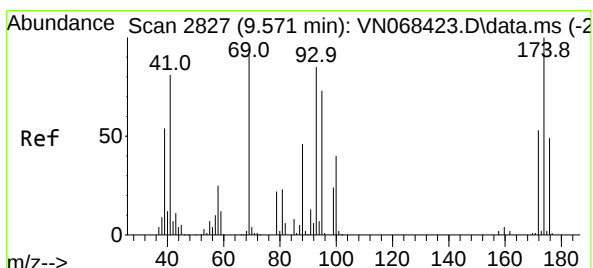
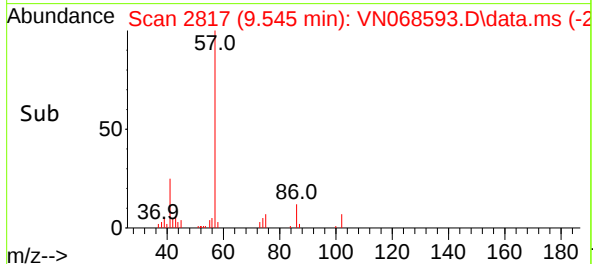
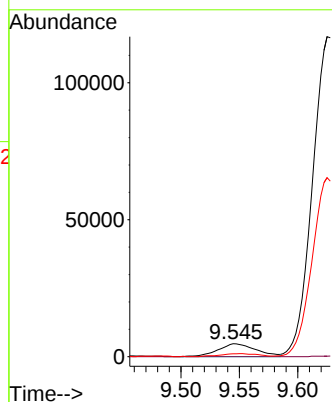
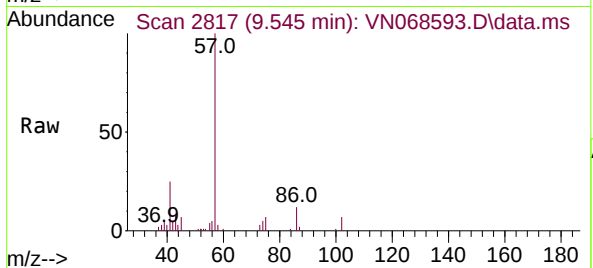
Tgt Ion: 41 Resp: 10670

Ion Ratio Lower Upper

41 100

69 0.0 82.9 124.3#

39 0.0 50.3 75.5#



#49

1,4-Dioxane

Concen: 2.492 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.057 min

Lab File: VN068593.D

Acq: 21 Sep 2021 19:48

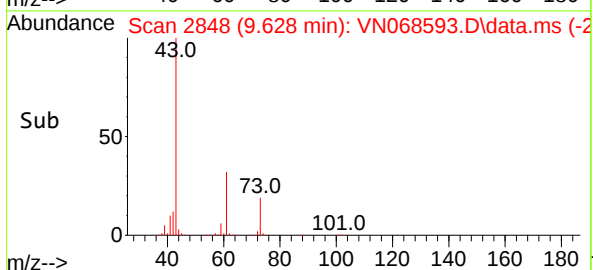
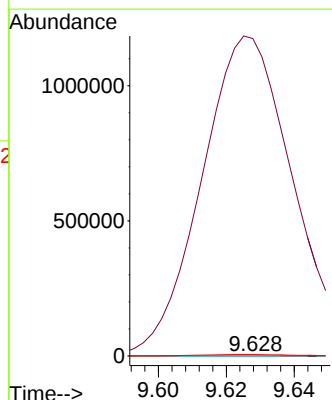
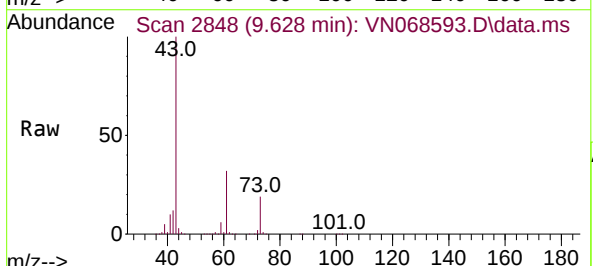
Tgt Ion: 88 Resp: 275

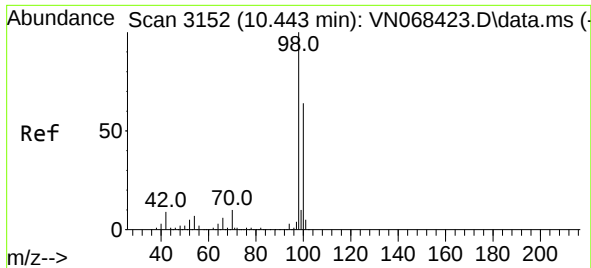
Ion Ratio Lower Upper

88 100

43 836147.3 18.9 28.3#

58 3965.5 46.6 69.8#

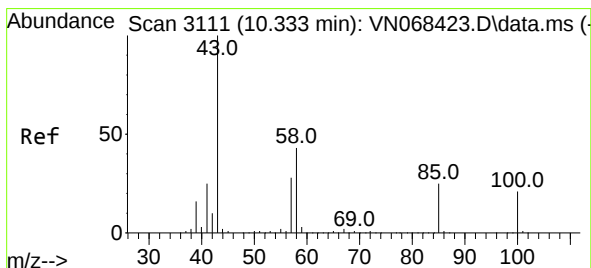
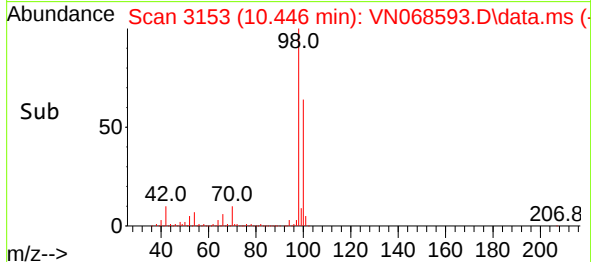
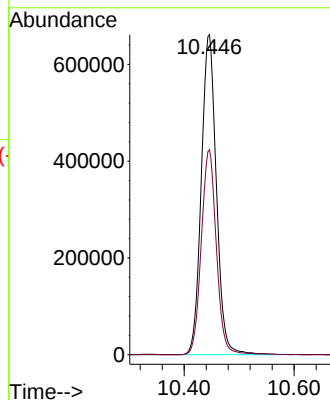
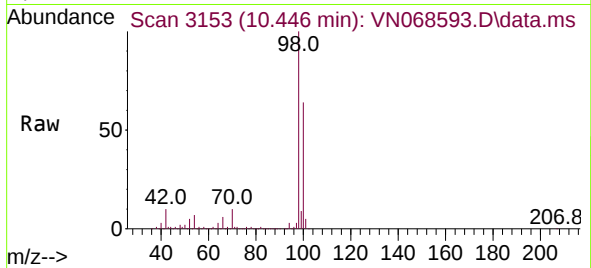




#50
Toluene-d8
Concen: 49.491 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

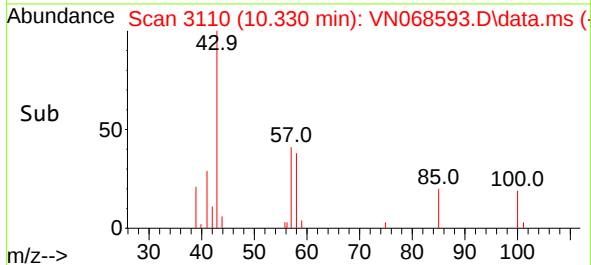
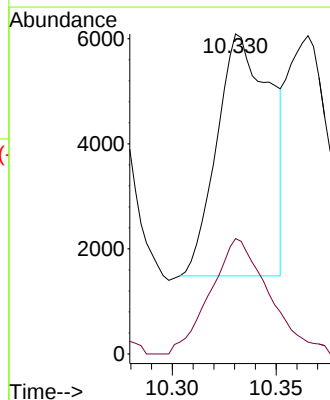
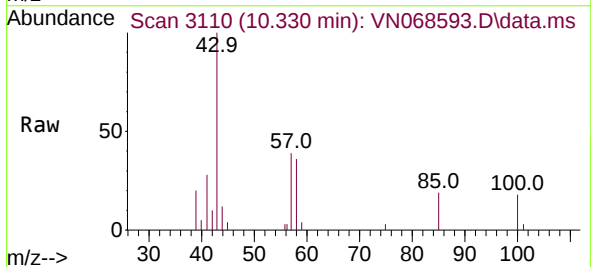
Instrument :
MSVOA_N
ClientSampled :

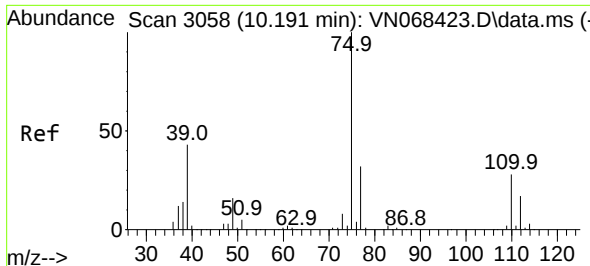
Tgt Ion: 98 Resp: 1259704
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.263 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 43 Resp: 8306
Ion Ratio Lower Upper
43 100
58 51.8 34.3 51.5#

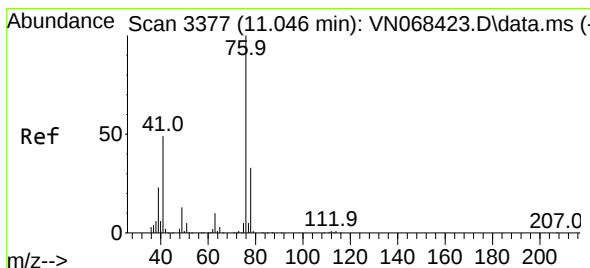
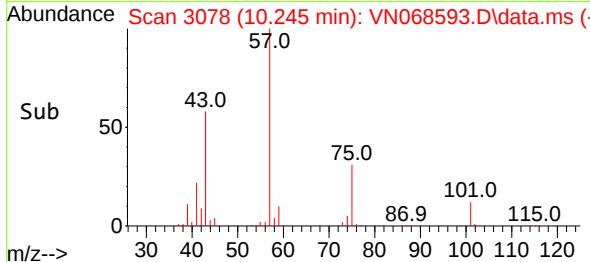
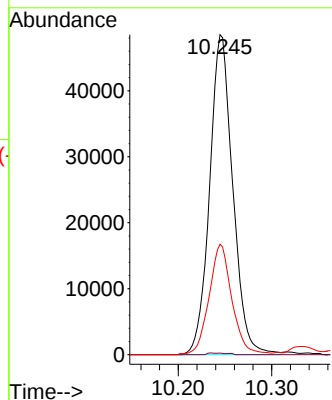
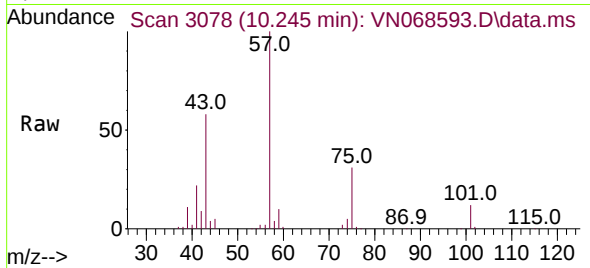




#54
 cis-1,3-Dichloropropene
 Concen: 8.570 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068593.D
 Acq: 21 Sep 2021 19:48

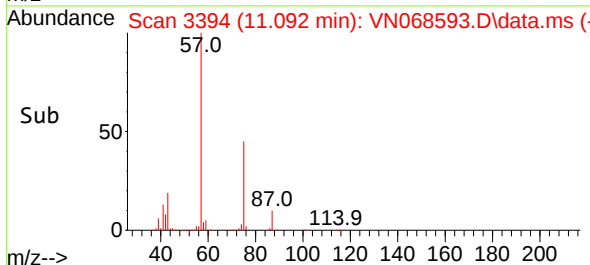
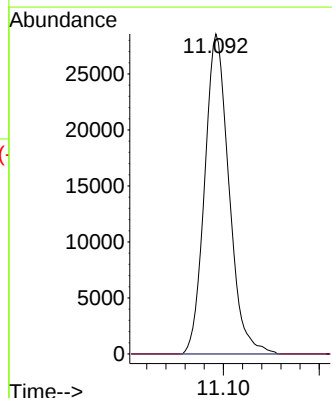
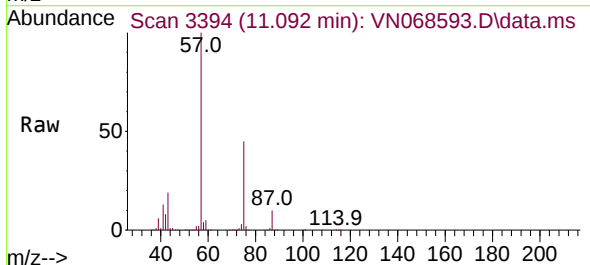
Instrument :
 MSVOA_N
 ClientSampled :

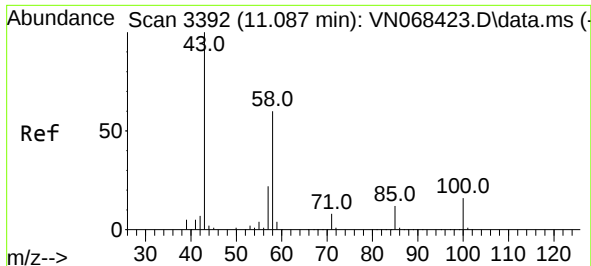
Tgt Ion: 75 Resp: 83373
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.2 34.6 52.0#



#57
 1,3-Dichloropropane
 Concen: 4.876 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068593.D
 Acq: 21 Sep 2021 19:48

Tgt Ion: 76 Resp: 50277
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

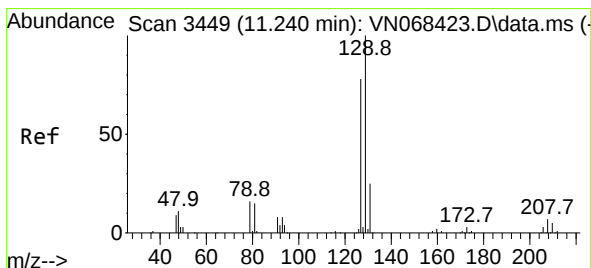
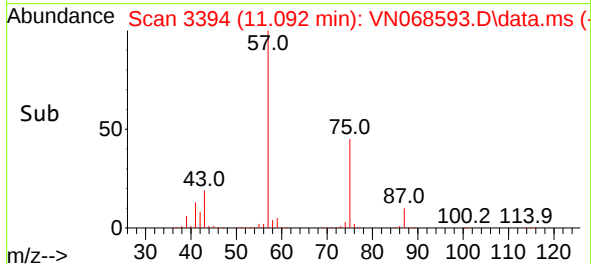
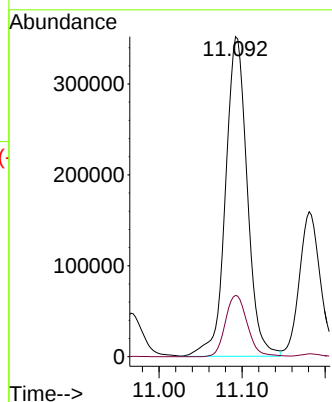
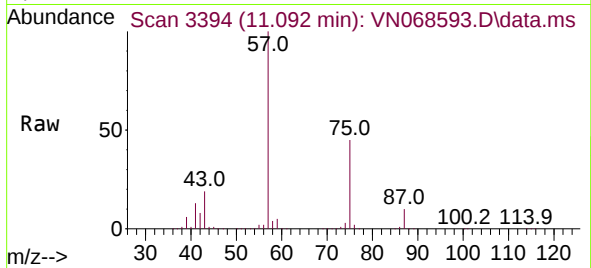




#59
2-Hexanone
Concen: 145.689 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

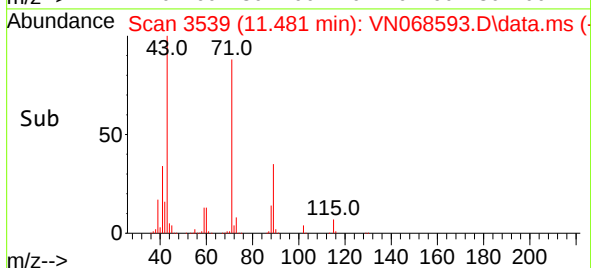
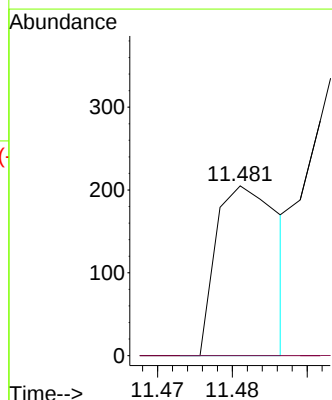
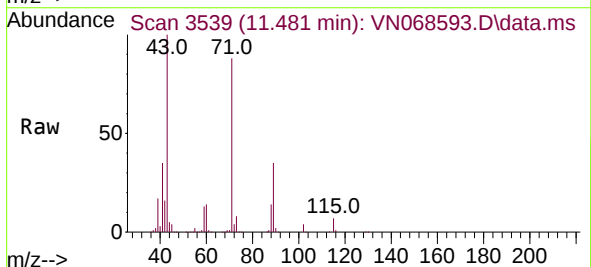
Instrument :
MSVOA_N
ClientSampled :

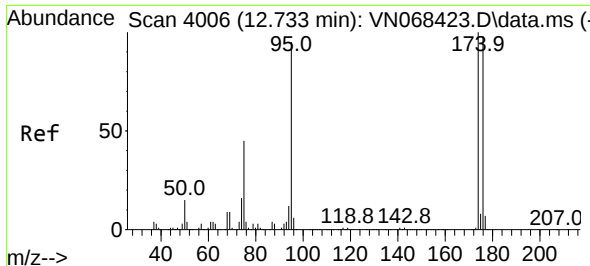
Tgt Ion: 43 Resp: 641748
Ion Ratio Lower Upper
43 100
58 19.4 30.0 90.1#



#60
Dibromochloromethane
Concen: 1.815 ug/l
RT: 11.481 min Scan# 3539
Delta R.T. 0.241 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion:129 Resp: 119
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

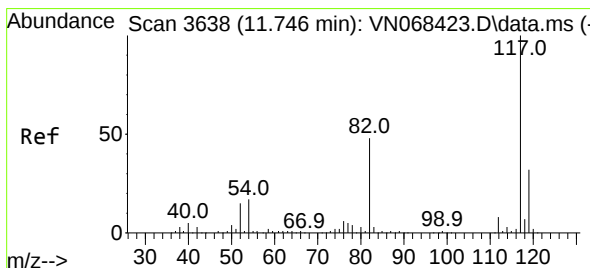
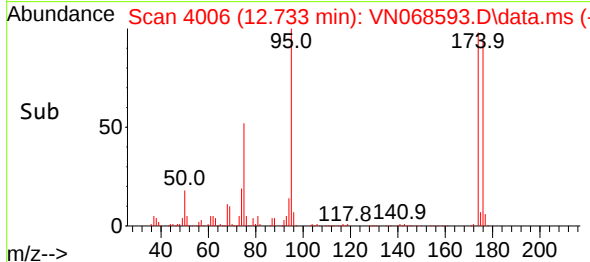
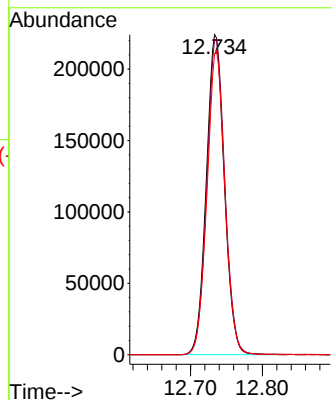
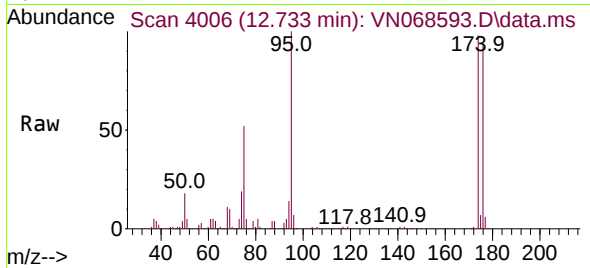




#62
4-Bromofluorobenzene
Concen: 46.758 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

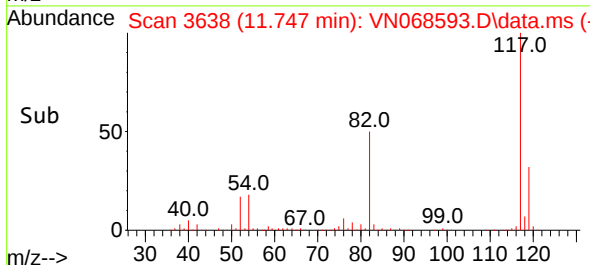
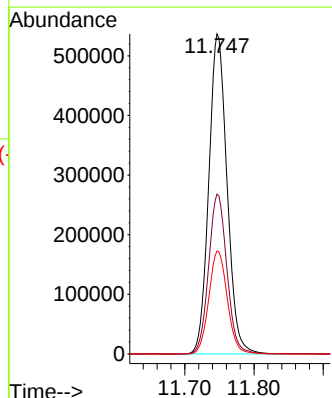
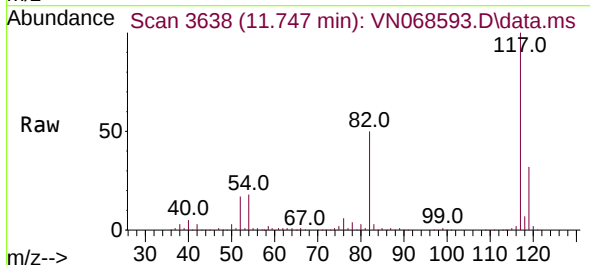
Instrument :
MSVOA_N
ClientSampled :

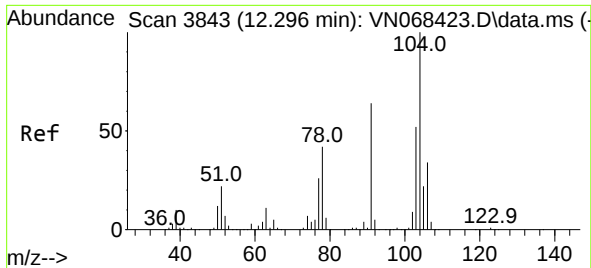
Tgt Ion: 95 Resp: 390148
Ion Ratio Lower Upper
95 100
174 99.2 0.0 214.0
176 94.4 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 117 Resp: 983457
Ion Ratio Lower Upper
117 100
82 50.0 38.7 58.1
119 32.1 25.5 38.3

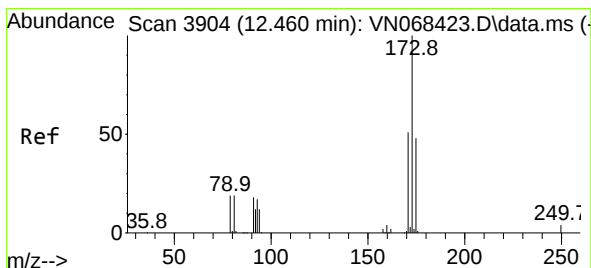
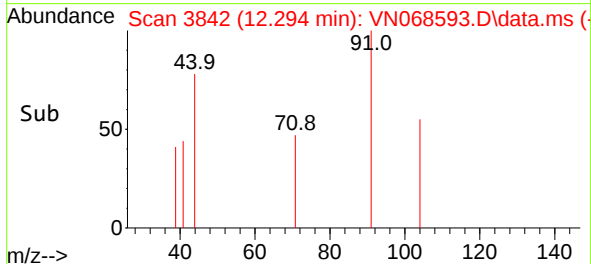
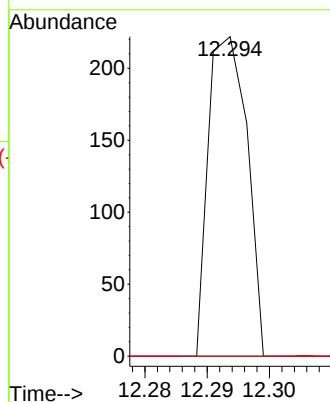
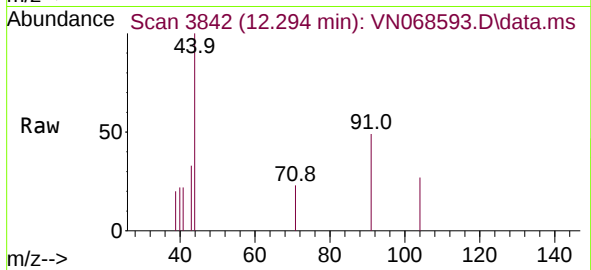




#70
Styrene
Concen: 1.758 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

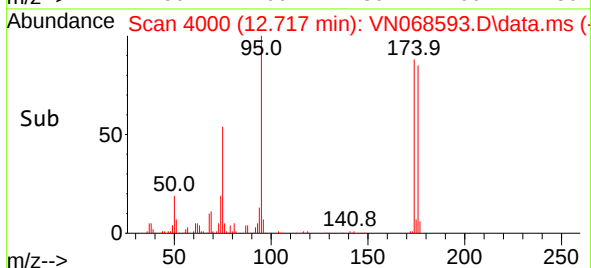
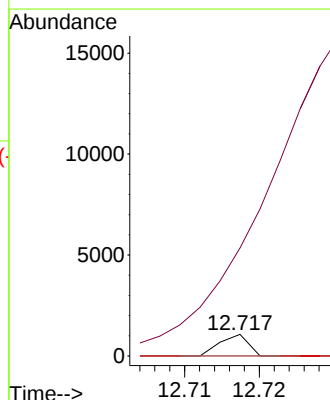
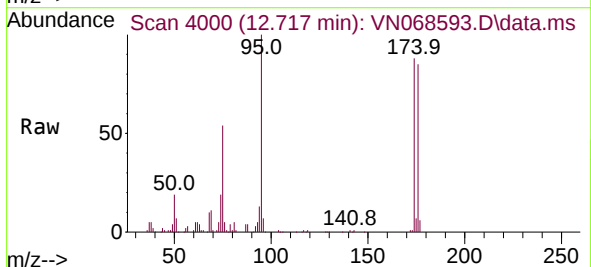
Instrument :
MSVOA_N
ClientSampled :

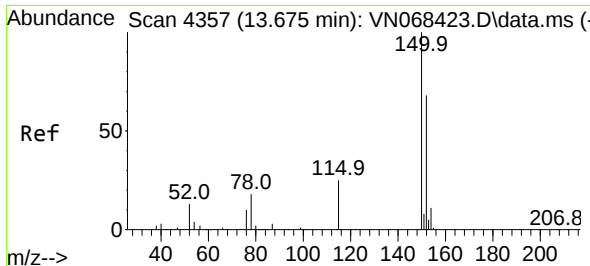
Tgt Ion:104 Resp: 96
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.562 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

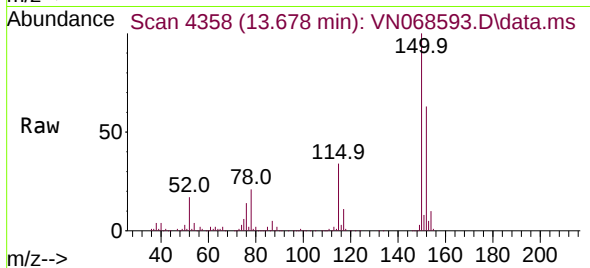
Tgt Ion:173 Resp: 282
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



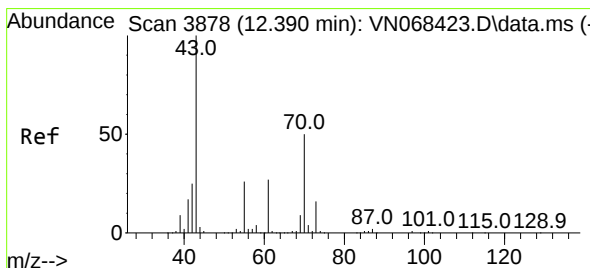
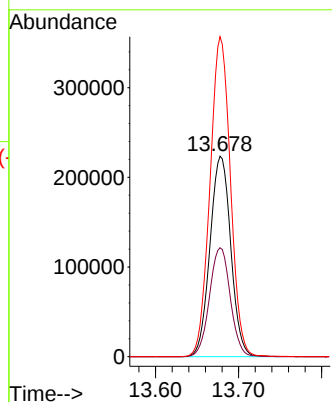
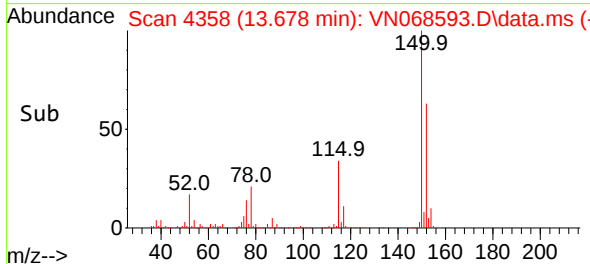


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

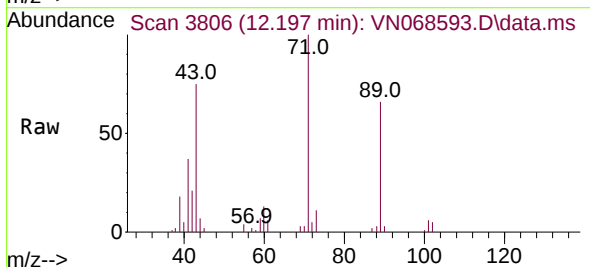
Instrument :
MSVOA_N
ClientSampled :



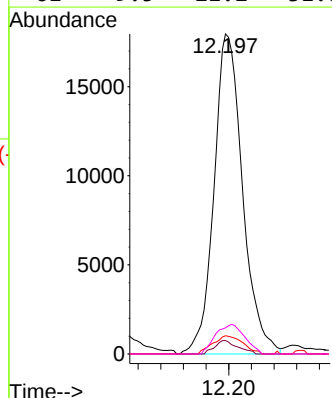
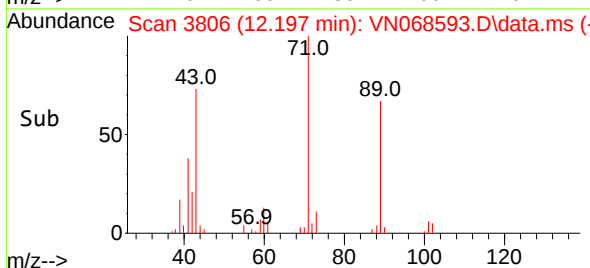
Tgt Ion:152 Resp: 389610
Ion Ratio Lower Upper
152 100
115 54.2 25.6 76.6
150 156.5 0.0 346.8

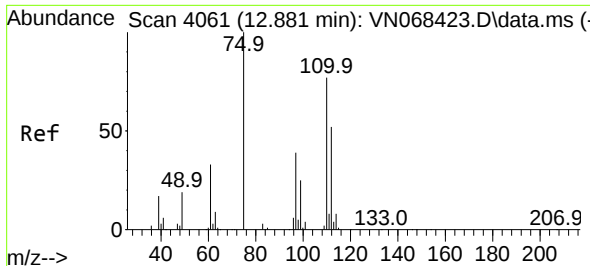


#74
N-ethyl acetate
Concen: 5.079 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48



Tgt Ion: 43 Resp: 31396
Ion Ratio Lower Upper
43 100
70 3.4 40.0 60.0#
55 6.0 21.1 31.7#
61 9.5 21.2 31.8#

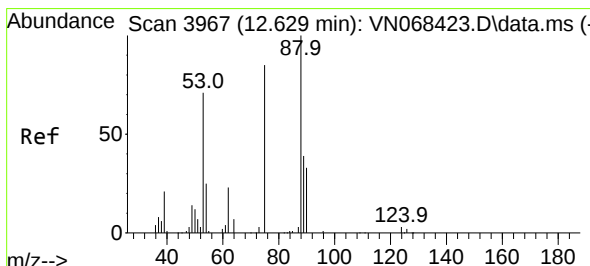
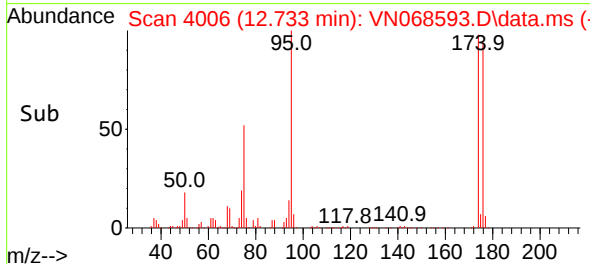
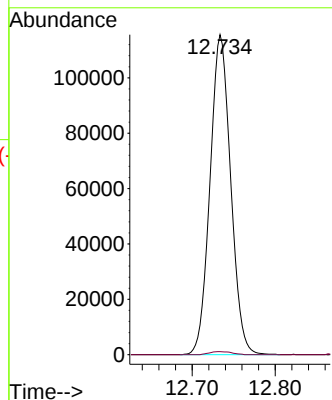
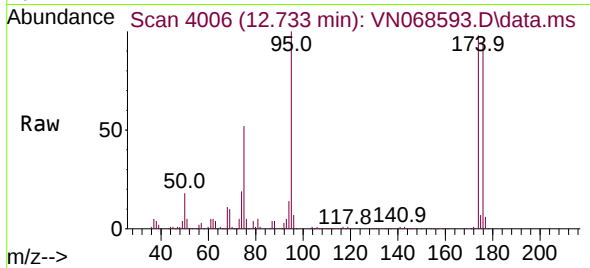




#76
1,2,3-Trichloropropane
Concen: 36.966 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

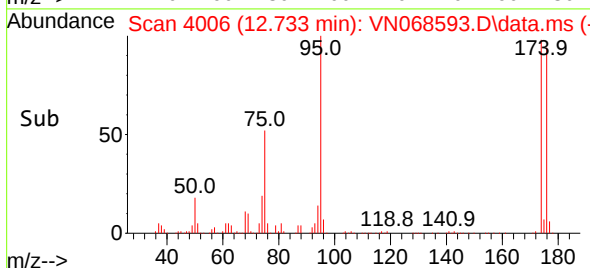
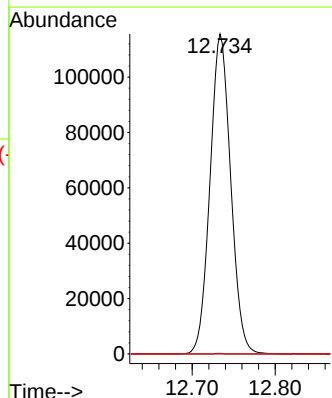
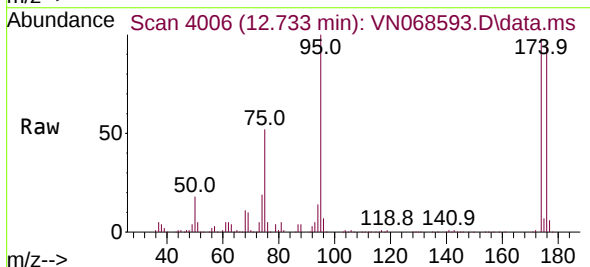
Instrument :
MSVOA_N
ClientSampled :

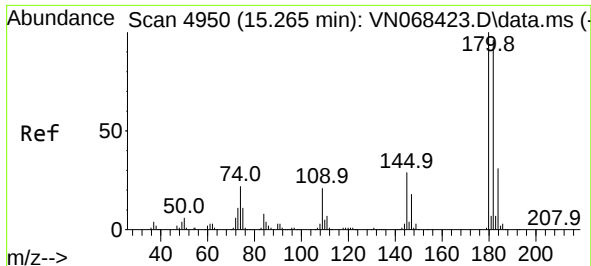
Tgt Ion: 75 Resp: 199586
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.529 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

Tgt Ion: 75 Resp: 199586
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

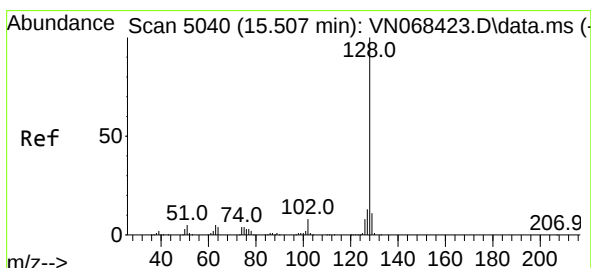
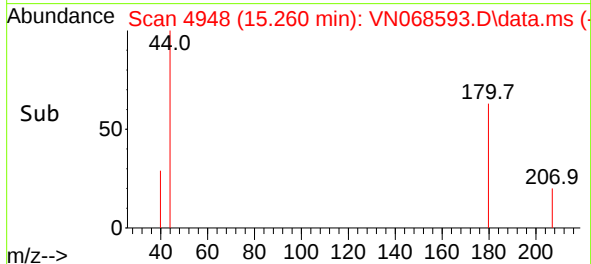
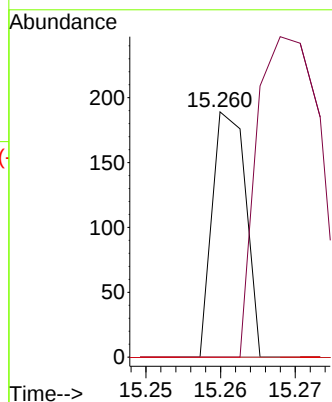
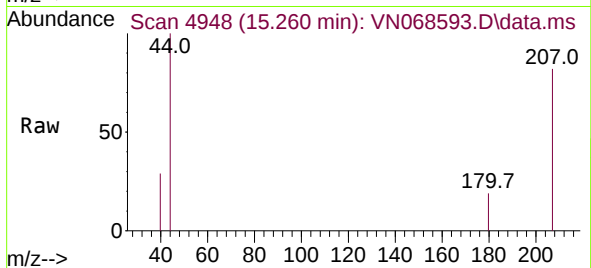




#93
1,2,4-Trichlorobenzene
Concen: 2.967 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

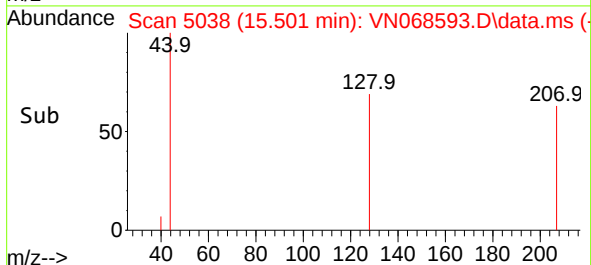
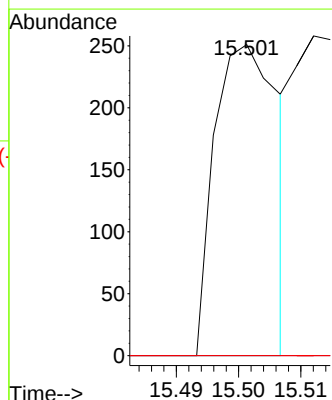
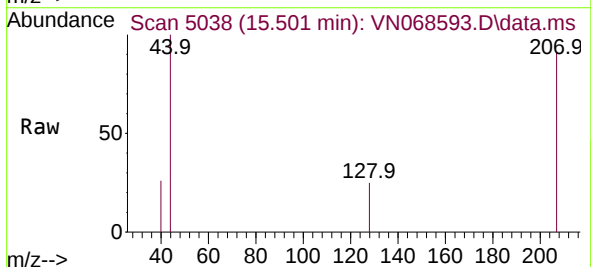
Instrument :
MSVOA_N
ClientSampled :

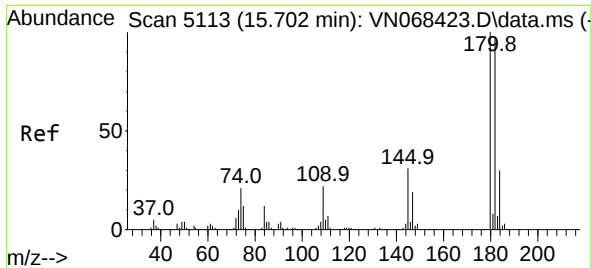
Tgt Ion:180 Resp: 59
Ion Ratio Lower Upper
180 100
182 240.7 47.5 142.6#
145 0.0 14.1 42.4#



#95
Naphthalene
Concen: 3.507 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068593.D
Acq: 21 Sep 2021 19:48

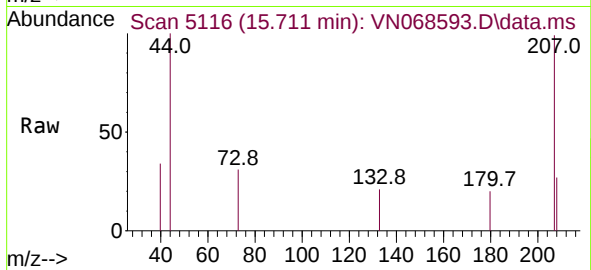
Tgt Ion:128 Resp: 178
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.982 ug/l
 RT: 15.711 min Scan# 5116
 Delta R.T. 0.008 min
 Lab File: VN068593.D
 Acq: 21 Sep 2021 19:48

Instrument :
 MSVOA_N
 ClientSampleId :



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

