

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100121\
 Data File : VN068793.D
 Acq On : 1 Oct 2021 19:24
 Operator : JC/MD
 Sample : M4040-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-RR-03(SA)

Quant Time: Oct 02 04:02:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

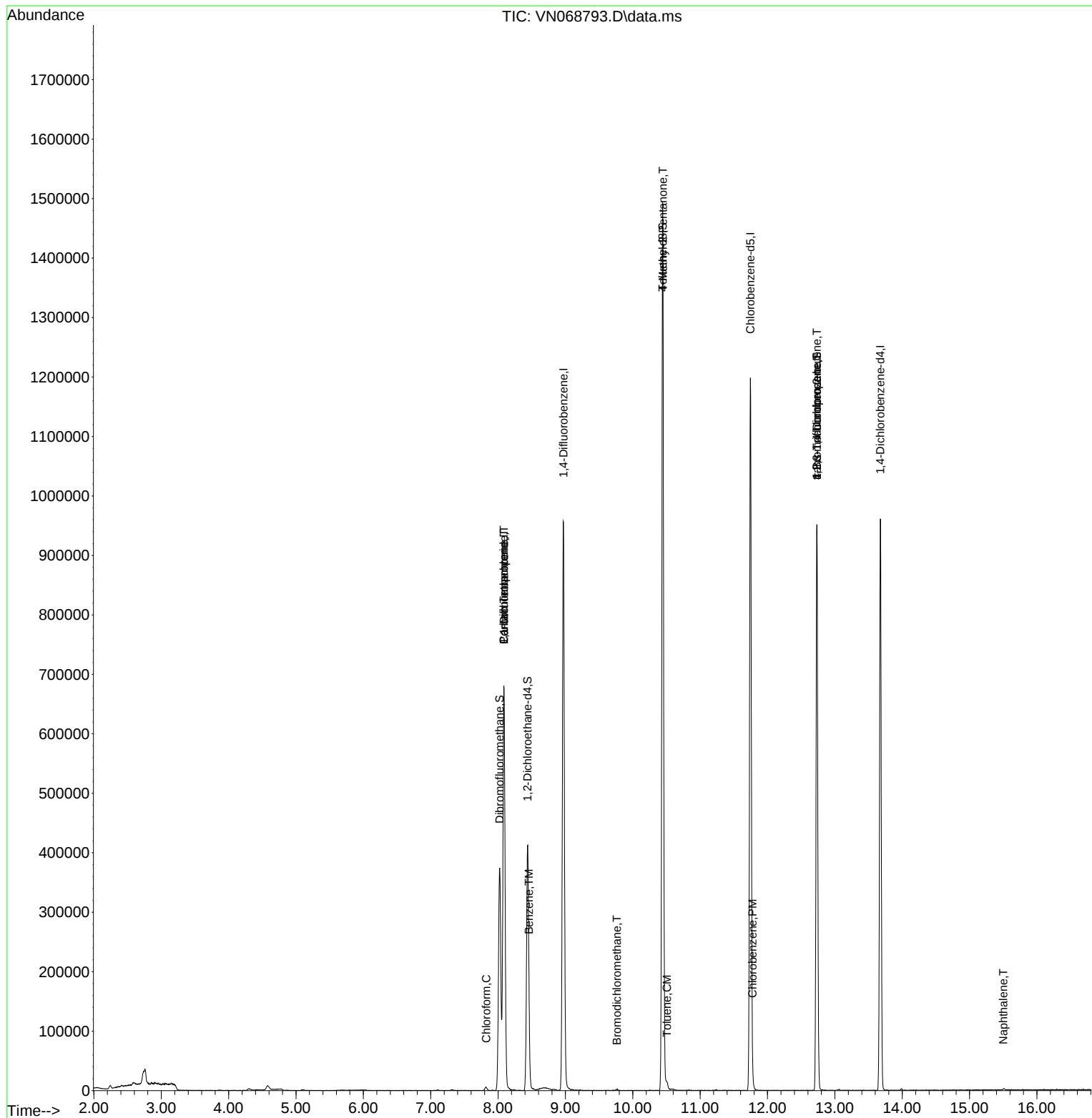
Internal Standards						
1) Pentafluorobenzene	8.088	168	478694	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	827680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	685632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	242895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	341416	51.189	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.380%			
35) Dibromofluoromethane	8.024	113	268332	52.179	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.360%			
50) Toluene-d8	10.443	98	1018175	54.182	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.360%			
62) 4-Bromofluorobenzene	12.733	95	300929	46.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.180%			
Target Compounds						
3) Chloromethane	2.301	50	1003	Below Cal	#	83
5) Bromomethane	2.866	94	341	Below Cal	#	43
6) Chloroethane	3.057	64	241	Below Cal		89
13) Acrolein	4.057	56	24	Below Cal	#	14
16) Acetone	4.285	43	1587	Below Cal		94
17) Carbon Disulfide	4.529	76	174	Below Cal	#	74
30) Chloroform	7.823	83	5197	0.440	ug/l	93
31) Cyclohexane	8.086	56	12949	Below Cal	#	32
36) 1,1-Dichloropropene	8.088	75	40884	5.252	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	51556	5.575	ug/l	# 17
40) Benzene	8.458	78	7733	0.326	ug/l	99
47) Bromodichloromethane	9.764	83	1977	0.210	ug/l	# 93
51) 4-Methyl-2-Pentanone	10.446	43	5105	0.621	ug/l	# 1
52) Toluene	10.507	92	3213	0.203	ug/l	89
65) Chlorobenzene	11.776	112	3867	0.247	ug/l	# 86
76) 1,2,3-Trichloropropane	12.733	75	176283	32.635	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	176283	94.869	ug/l	# 6
95) Naphthalene	15.501	128	1396	1.565	ug/l	# 81

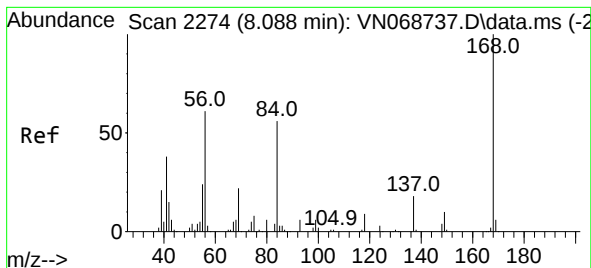
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

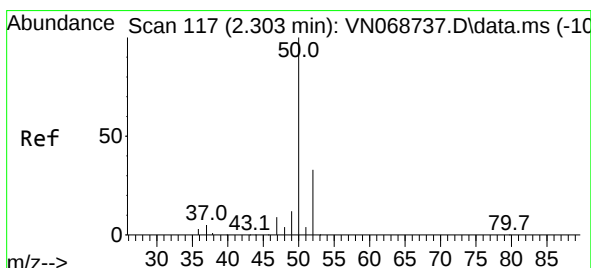
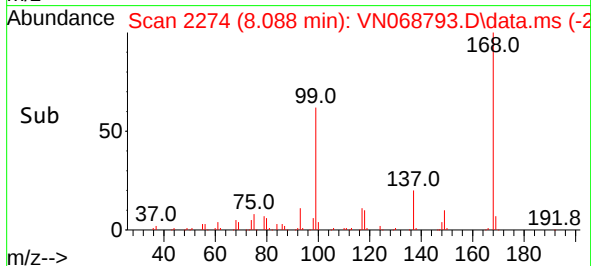
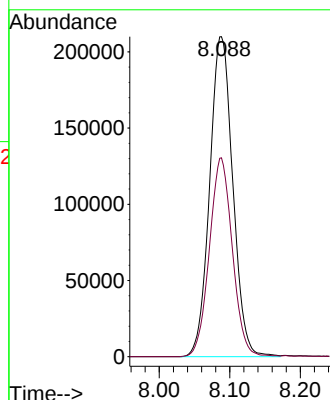
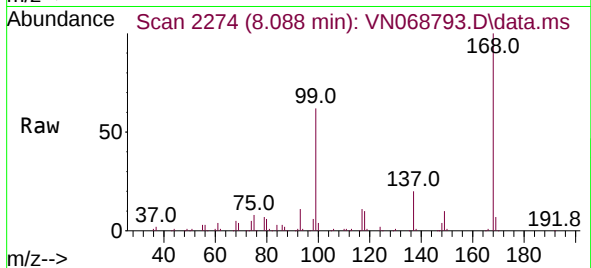
Lab File: VN068793.D

Acq: 1 Oct 2021 19:24

Tgt Ion:168 Resp: 478694

Ion Ratio Lower Upper

168	100		
99	62.2	62.9	94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

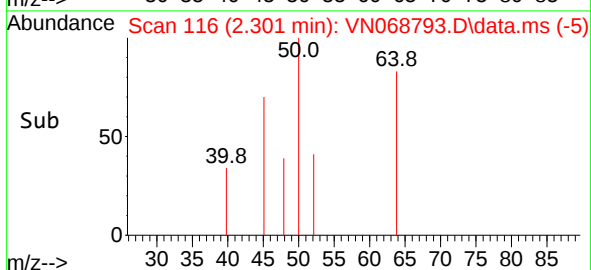
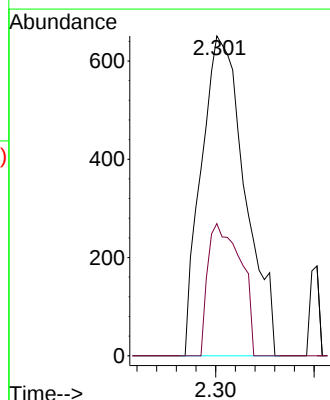
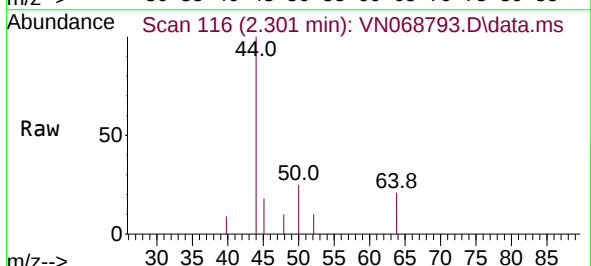
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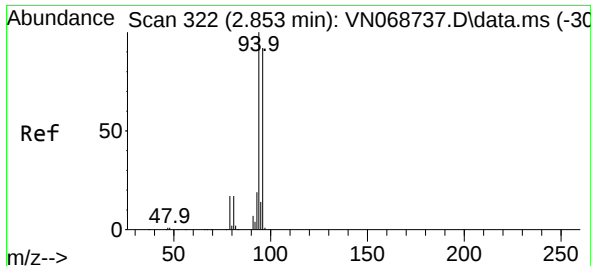
Acq: 1 Oct 2021 19:24

Tgt Ion: 50 Resp: 1003

Ion Ratio Lower Upper

50	100		
52	41.3	25.6	38.4#

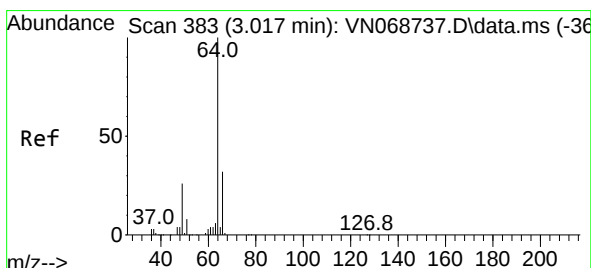
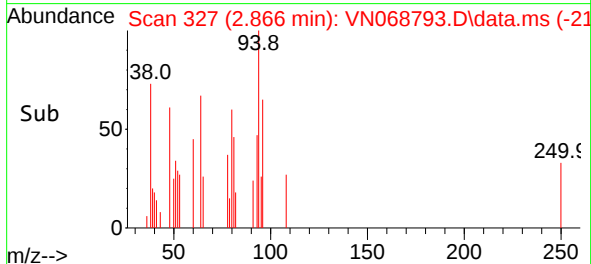
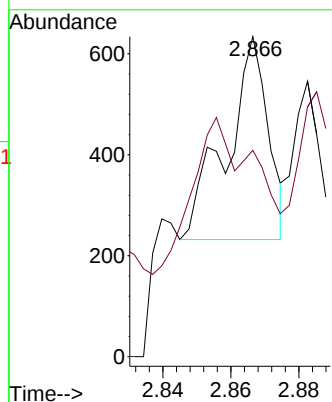
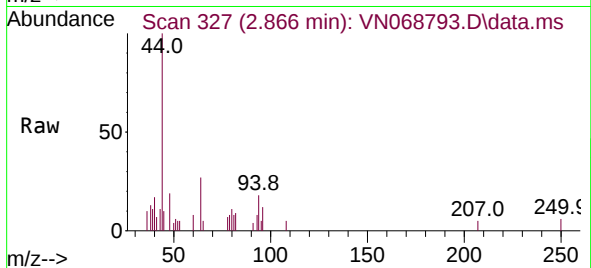




#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.013 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

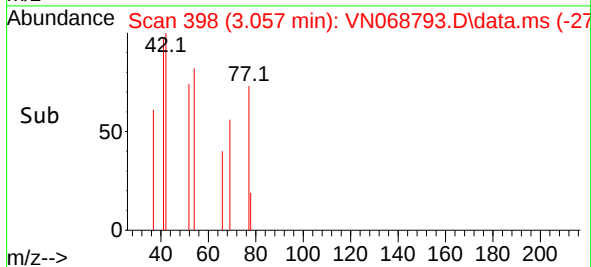
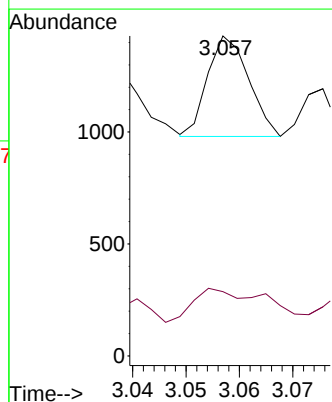
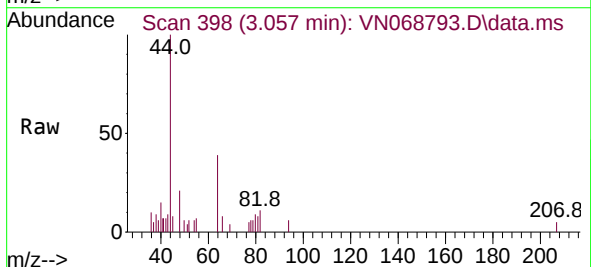
Instrument :
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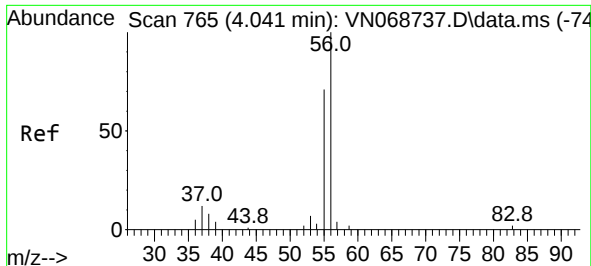
Tgt Ion: 94 Resp: 341
Ion Ratio Lower Upper
94 100
96 37.8 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.057 min Scan# 398
Delta R.T. 0.040 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 24.7 24.7 37.1

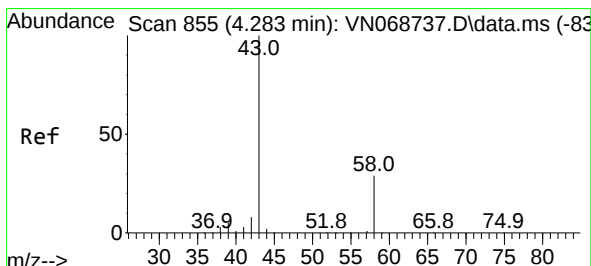
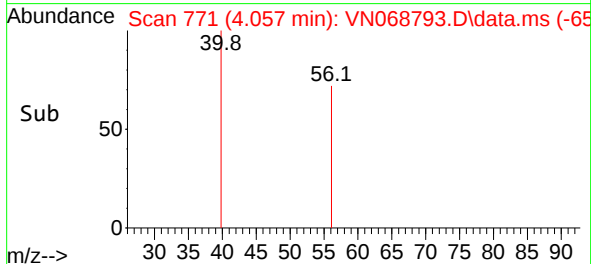
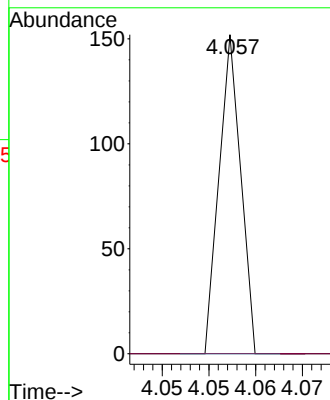
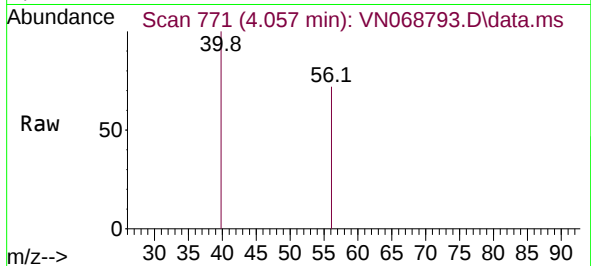




#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

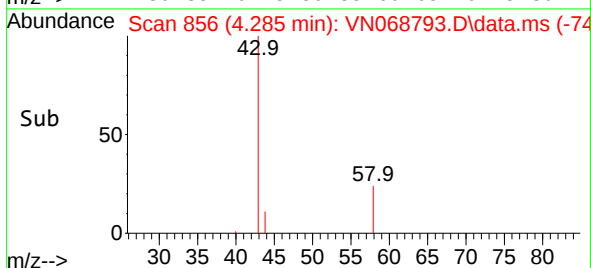
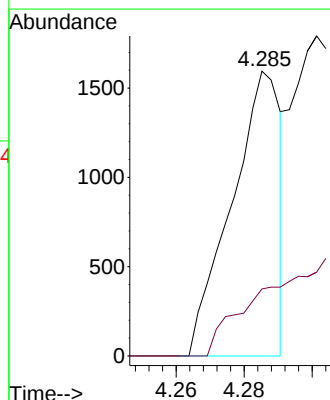
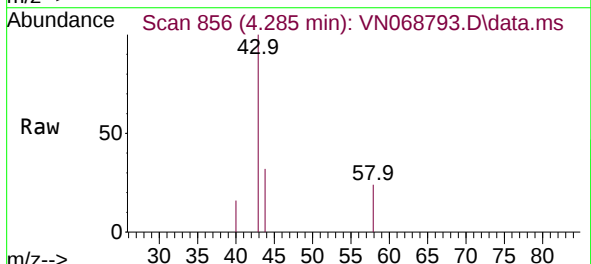
Instrument :
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ClientSampleId :
SW-RR-03(SA)

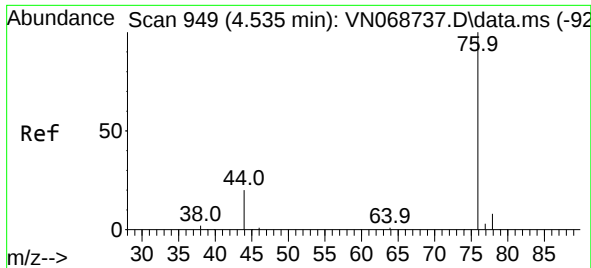
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.285 min Scan# 856
Delta R.T. 0.002 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 23.5 21.2 31.8

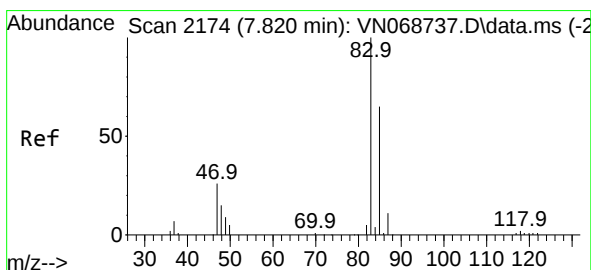
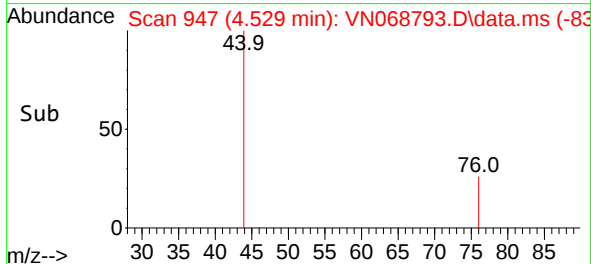
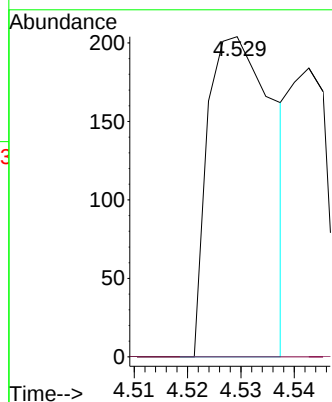
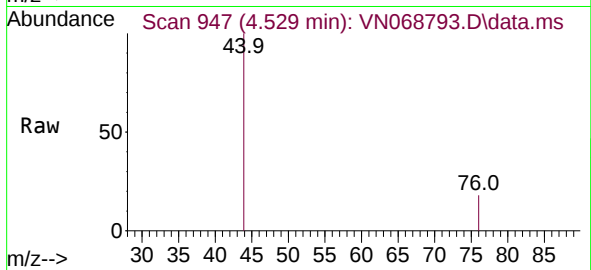




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

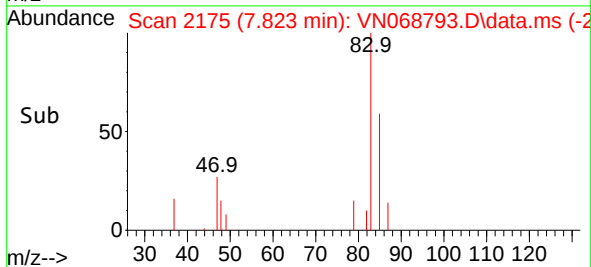
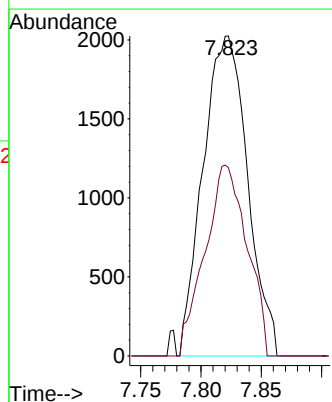
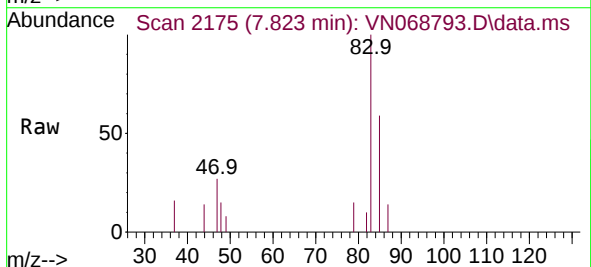
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03(SA)

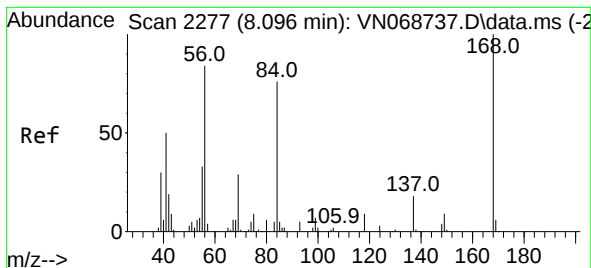
Tgt Ion: 76 Resp: 174
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#30
Chloroform
Concen: 0.440 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.003 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 83 Resp: 5197
Ion Ratio Lower Upper
83 100
85 58.9 51.5 77.3

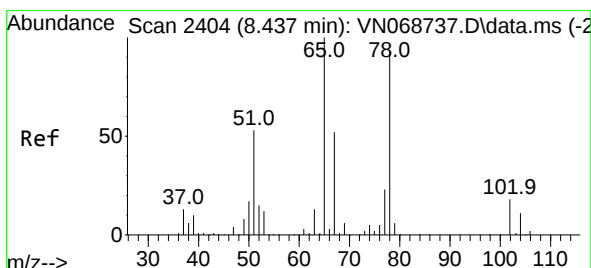
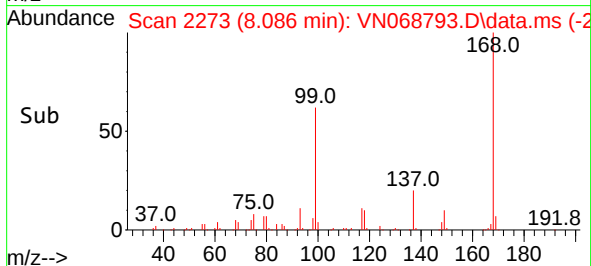
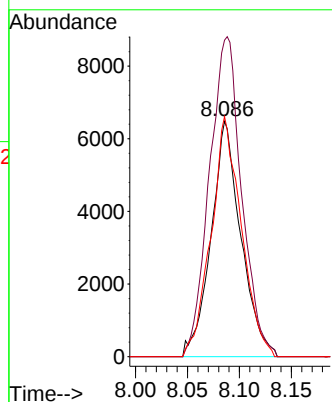
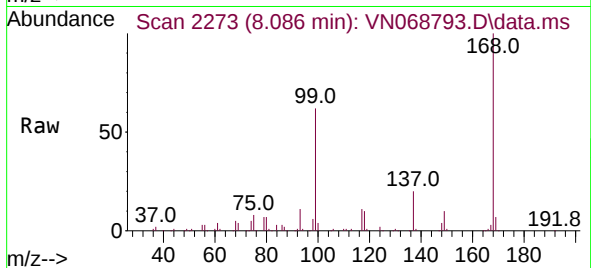




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

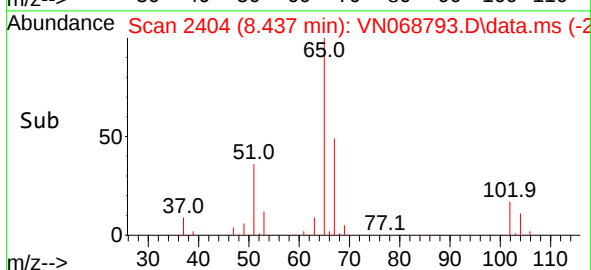
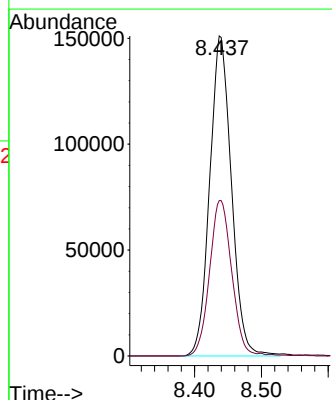
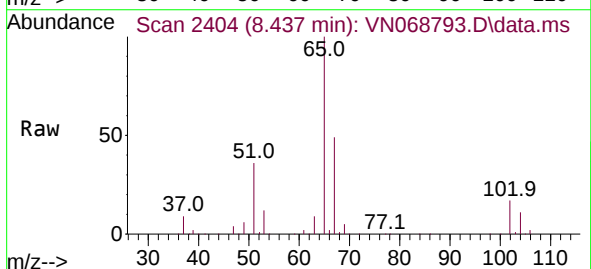
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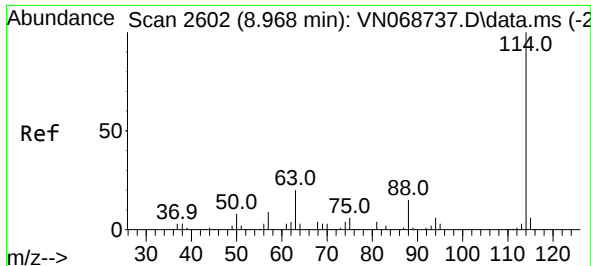
Tgt Ion: 56 Resp: 12949
Ion Ratio Lower Upper
56 100
69 134.4 27.3 40.9#
84 102.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.189 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 65 Resp: 341416
Ion Ratio Lower Upper
65 100
67 49.3 0.0 98.6

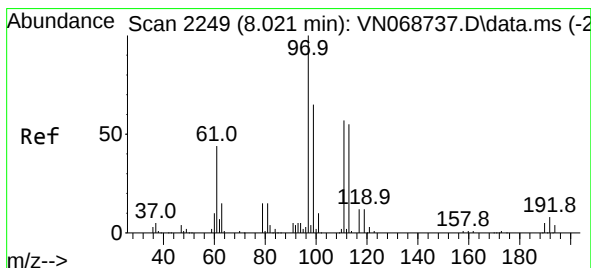
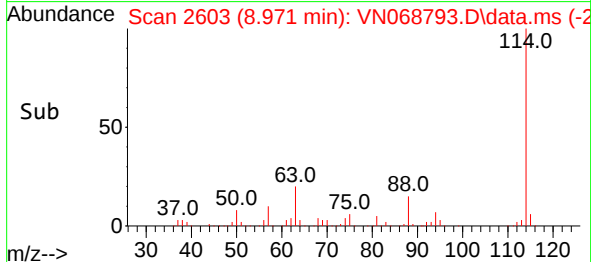
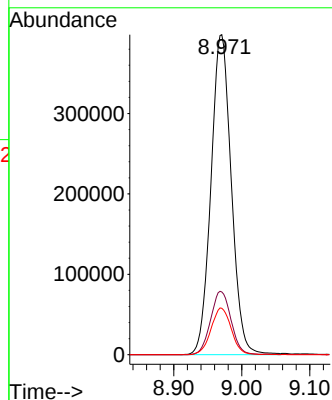
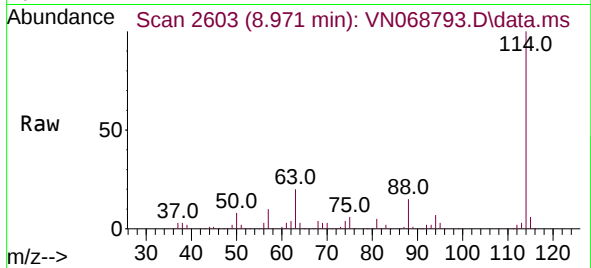




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

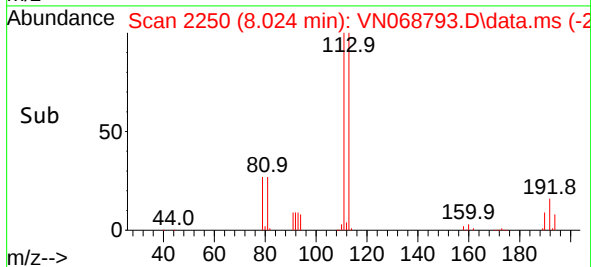
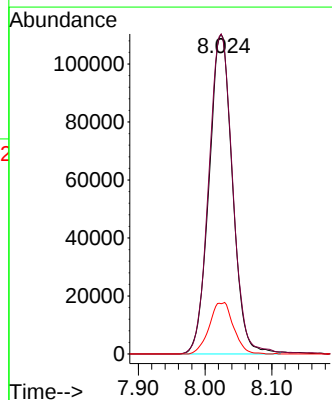
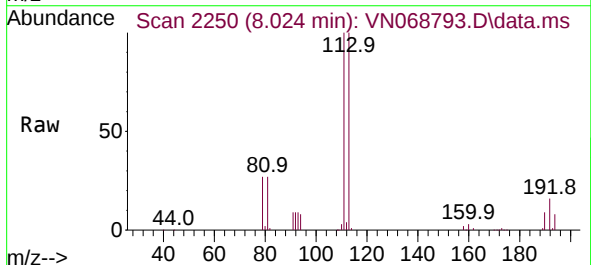
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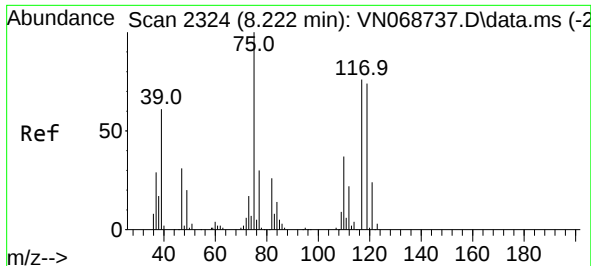
Tgt Ion:114 Resp: 827680
Ion Ratio Lower Upper
114 100
63 19.6 0.0 49.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.179 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion:113 Resp: 268332
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 16.6 13.4 20.0

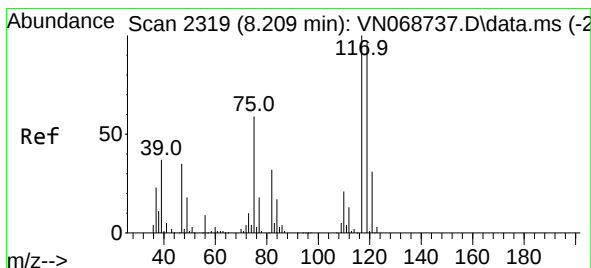
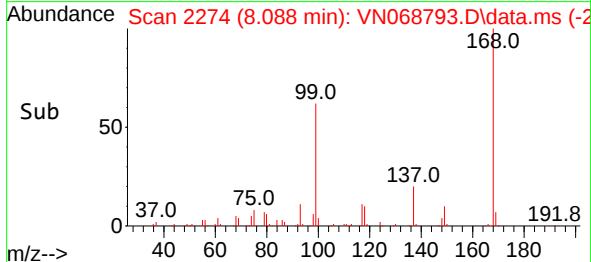
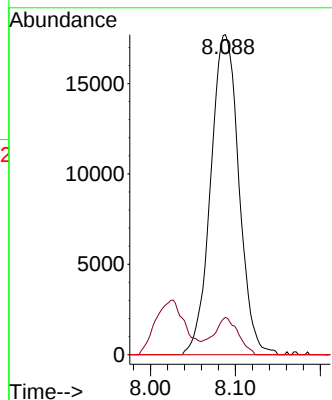
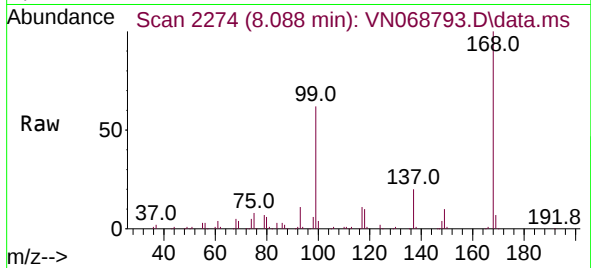




#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

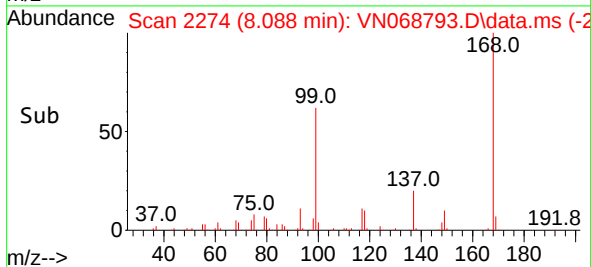
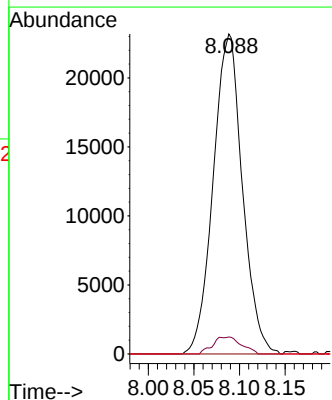
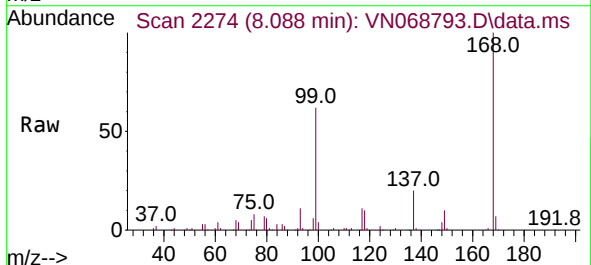
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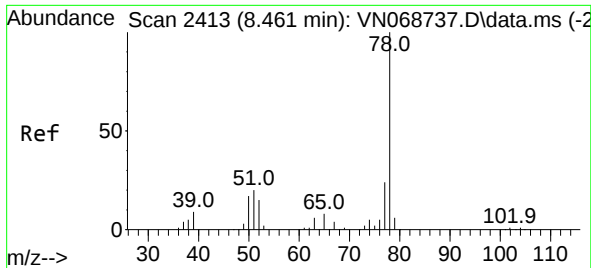
Tgt Ion: 75 Resp: 40884
Ion Ratio Lower Upper
75 100
110 9.5 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion:117 Resp: 51556
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

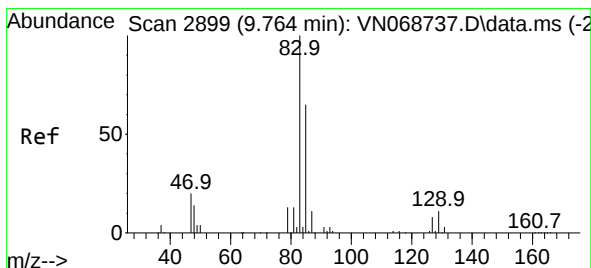
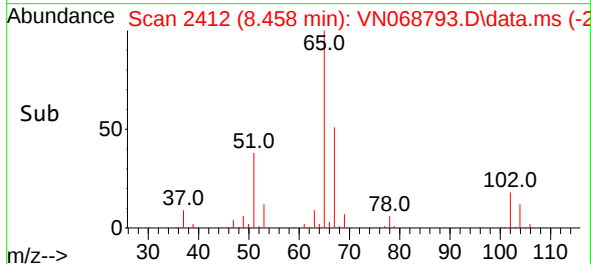
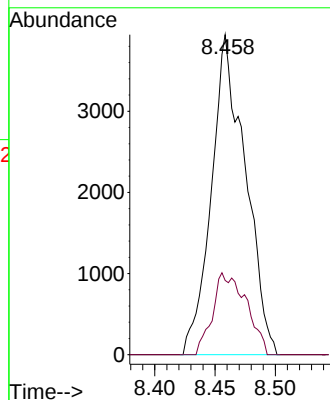
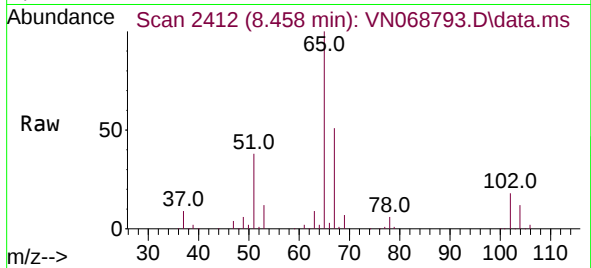




#40
Benzene
Concen: 0.326 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

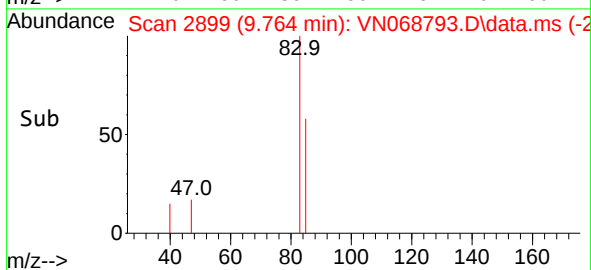
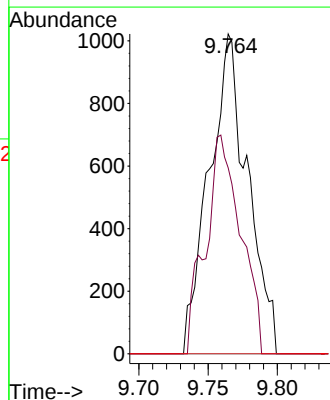
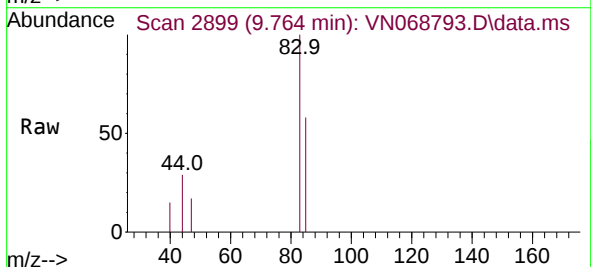
Instrument :
MSVOA_N
ClientSampled :
SW-RR-03(SA)

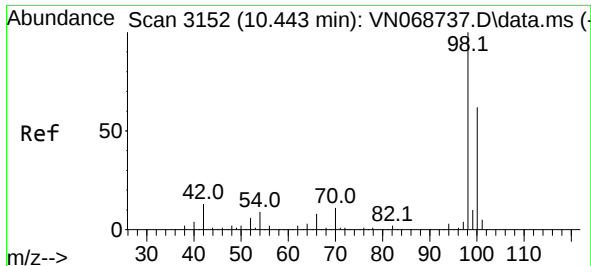
Tgt Ion: 78 Resp: 7733
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3



#47
Bromodichloromethane
Concen: 0.210 ug/l
RT: 9.764 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 83 Resp: 1977
Ion Ratio Lower Upper
83 100
85 58.1 49.9 74.9
127 0.0 6.1 9.1#

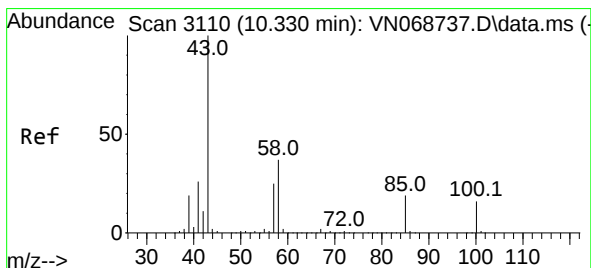
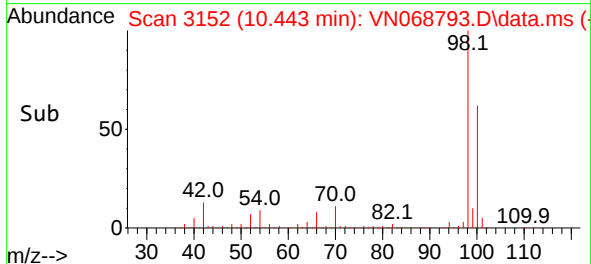
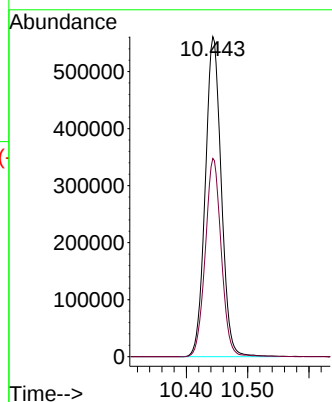
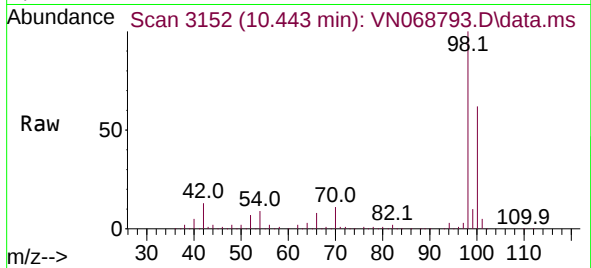




#50
Toluene-d8
Concen: 54.182 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

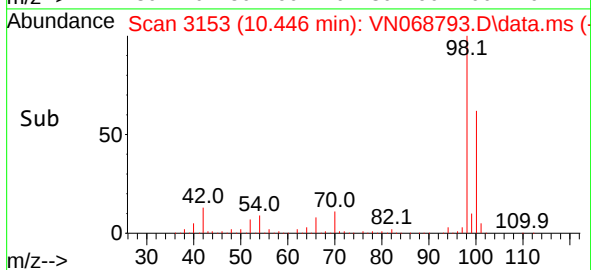
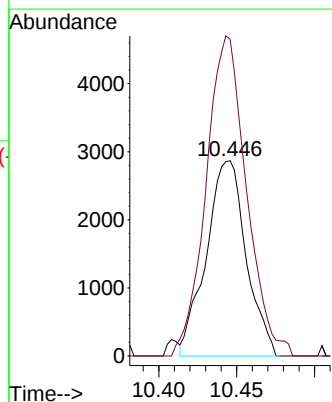
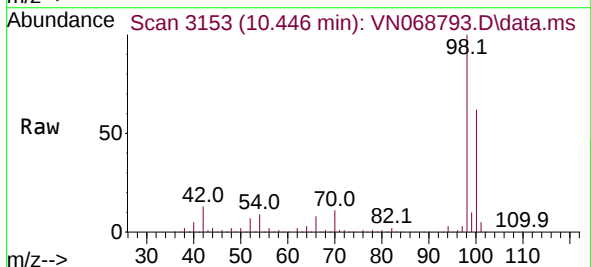
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03(SA)

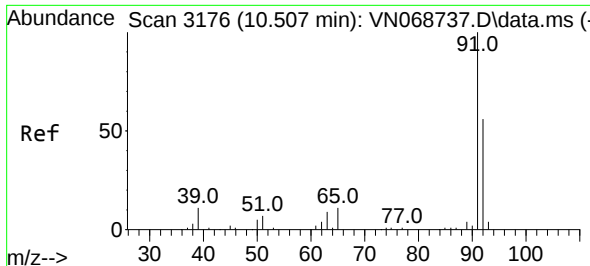
Tgt Ion: 98 Resp: 1018175
Ion Ratio Lower Upper
98 100
100 61.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.621 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
58 165.9 28.6 43.0#

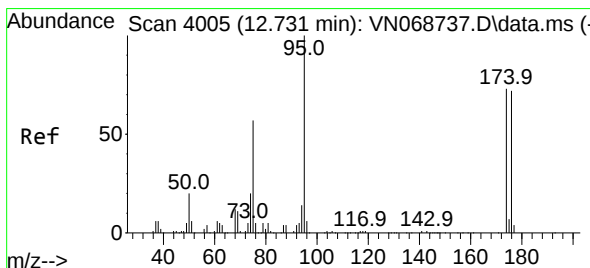
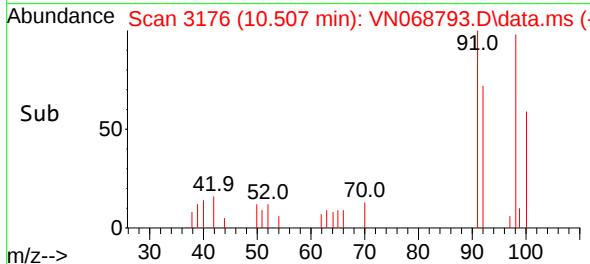
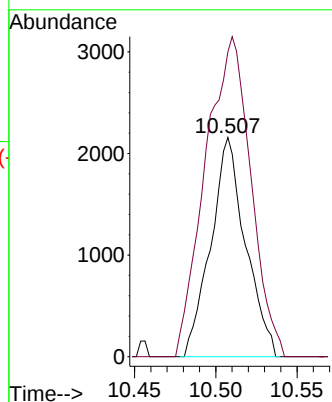
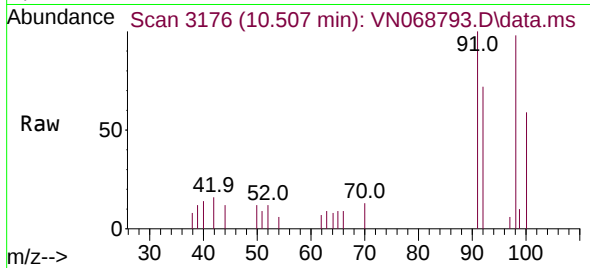




#52
Toluene
Concen: 0.203 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

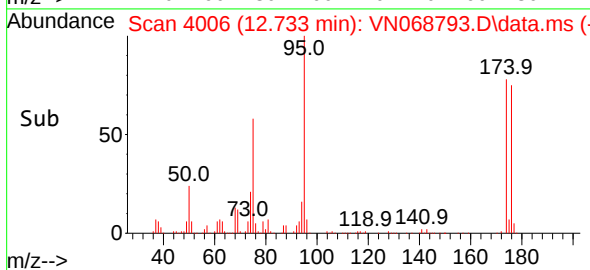
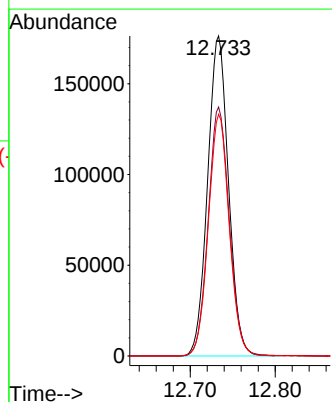
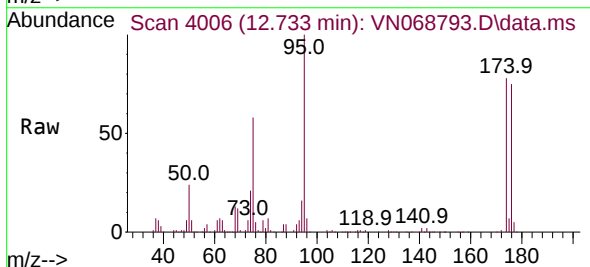
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03(SA)

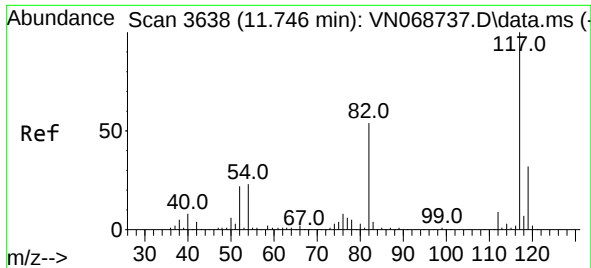
Tgt Ion: 92 Resp: 3213
Ion Ratio Lower Upper
92 100
91 190.4 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 46.086 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion: 95 Resp: 300929
Ion Ratio Lower Upper
95 100
174 78.7 0.0 122.0
176 75.5 0.0 117.6

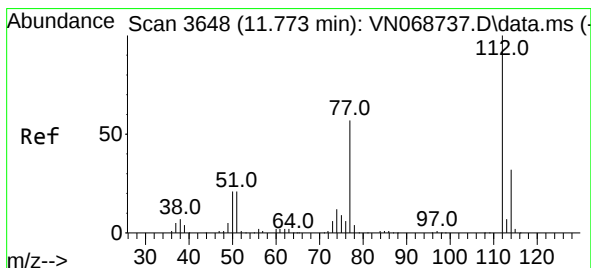
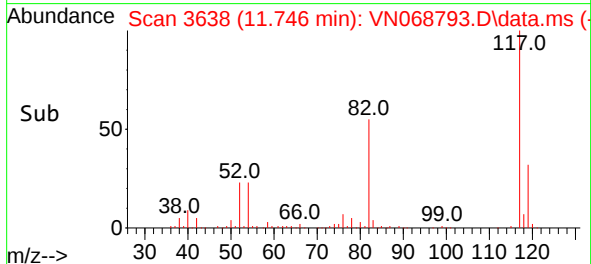
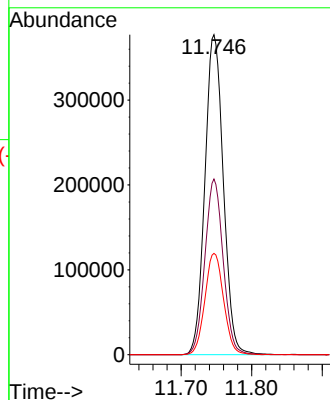
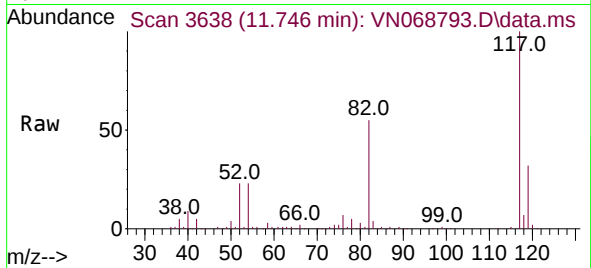




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

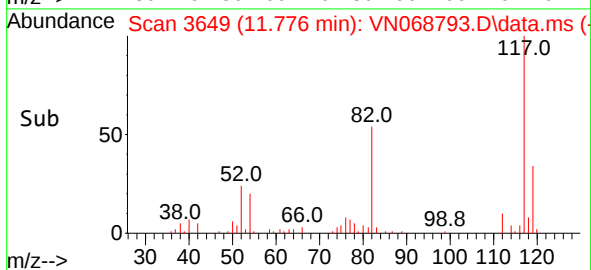
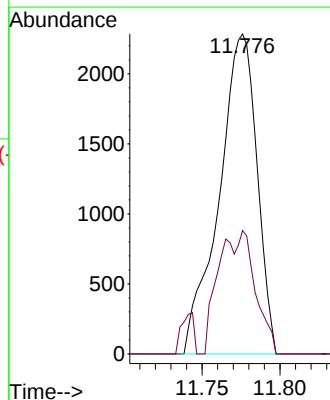
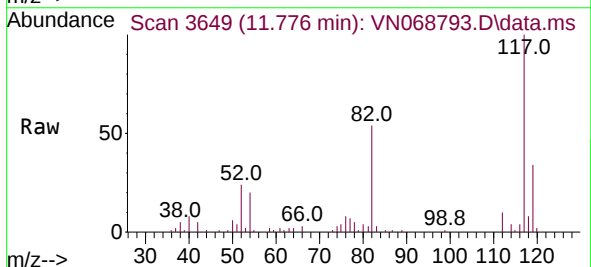
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03(SA)

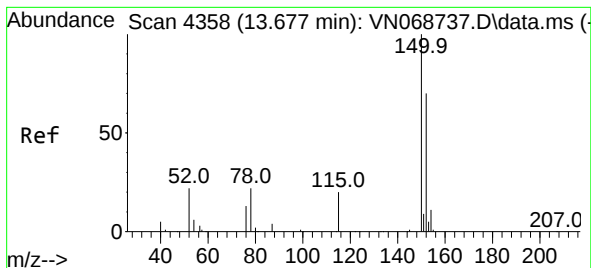
Tgt Ion:117 Resp: 685632
Ion Ratio Lower Upper
117 100
82 54.9 53.1 79.7
119 31.7 25.5 38.3



#65
Chlorobenzene
Concen: 0.247 ug/l
RT: 11.776 min Scan# 3649
Delta R.T. 0.003 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion:112 Resp: 3867
Ion Ratio Lower Upper
112 100
114 38.6 24.6 37.0#

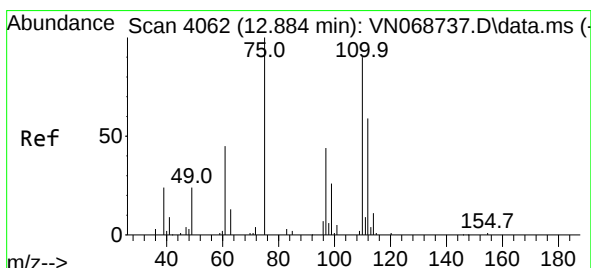
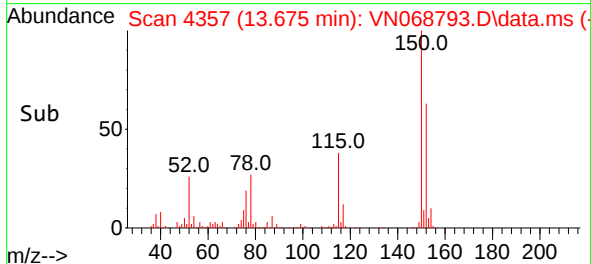
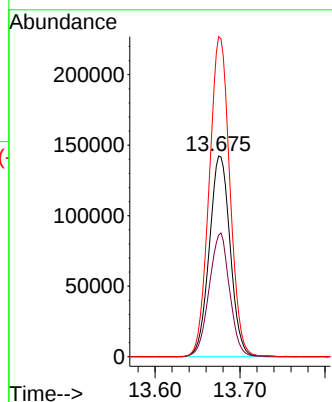
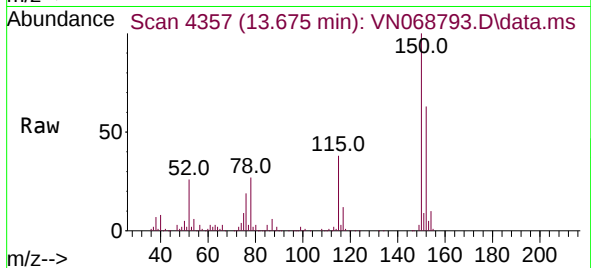




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 4357
 Delta R.T. -0.002 min
 Lab File: VN068793.D
 Acq: 1 Oct 2021 19:24

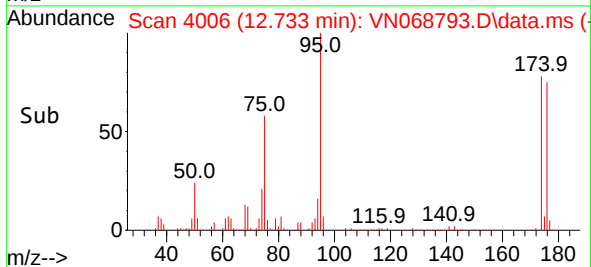
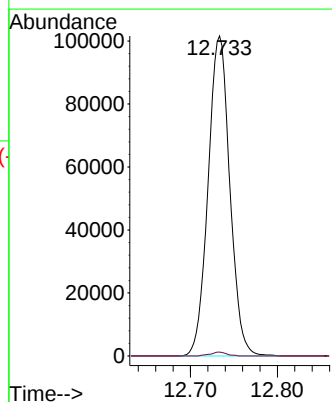
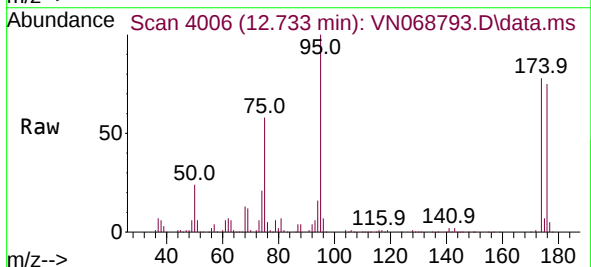
Instrument :
 MSVOA_N
 ClientSampleId :
 SW-RR-03(SA)

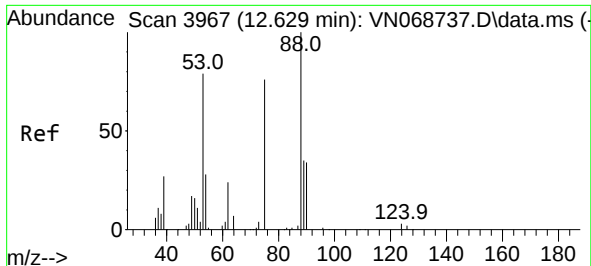
Tgt Ion:152 Resp: 242895
 Ion Ratio Lower Upper
 152 100
 115 60.3 36.1 108.5
 150 157.2 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.635 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068793.D
 Acq: 1 Oct 2021 19:24

Tgt Ion: 75 Resp: 176283
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

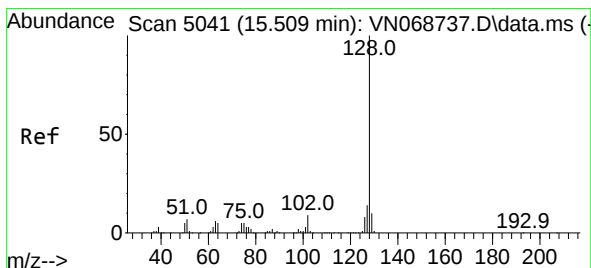
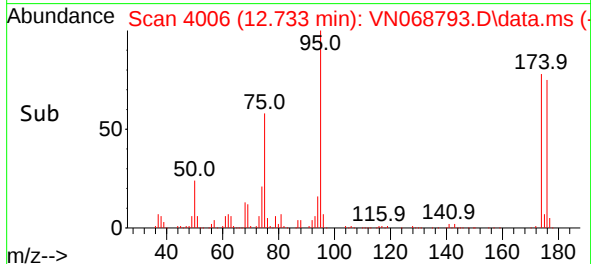
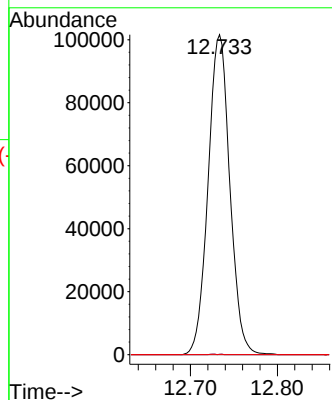
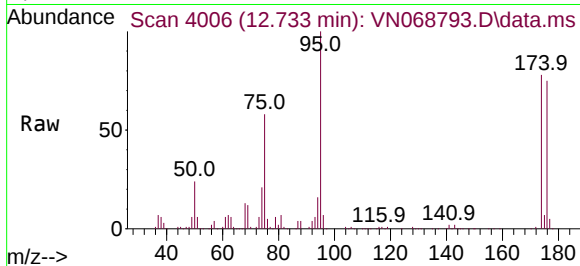




#81
trans-1,4-Dichloro-2-butene
Concen: 94.869 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Instrument :
MSVOA_N
ClientSampled :
SW-RR-03(SA)

Tgt Ion: 75 Resp: 176283
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.565 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN068793.D
Acq: 1 Oct 2021 19:24

Tgt Ion:128 Resp: 1396
Ion Ratio Lower Upper
128 100
127 8.5 10.6 15.8#
129 0.0 8.6 12.8#

