

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090221\
 Data File : VN068391.D
 Acq On : 2 Sep 2021 17:37
 Operator : JC/MD
 Sample : M3606-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPU-2

Quant Time: Sep 03 01:25:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 02 14:59:33 2021
 Response via : Initial Calibration

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

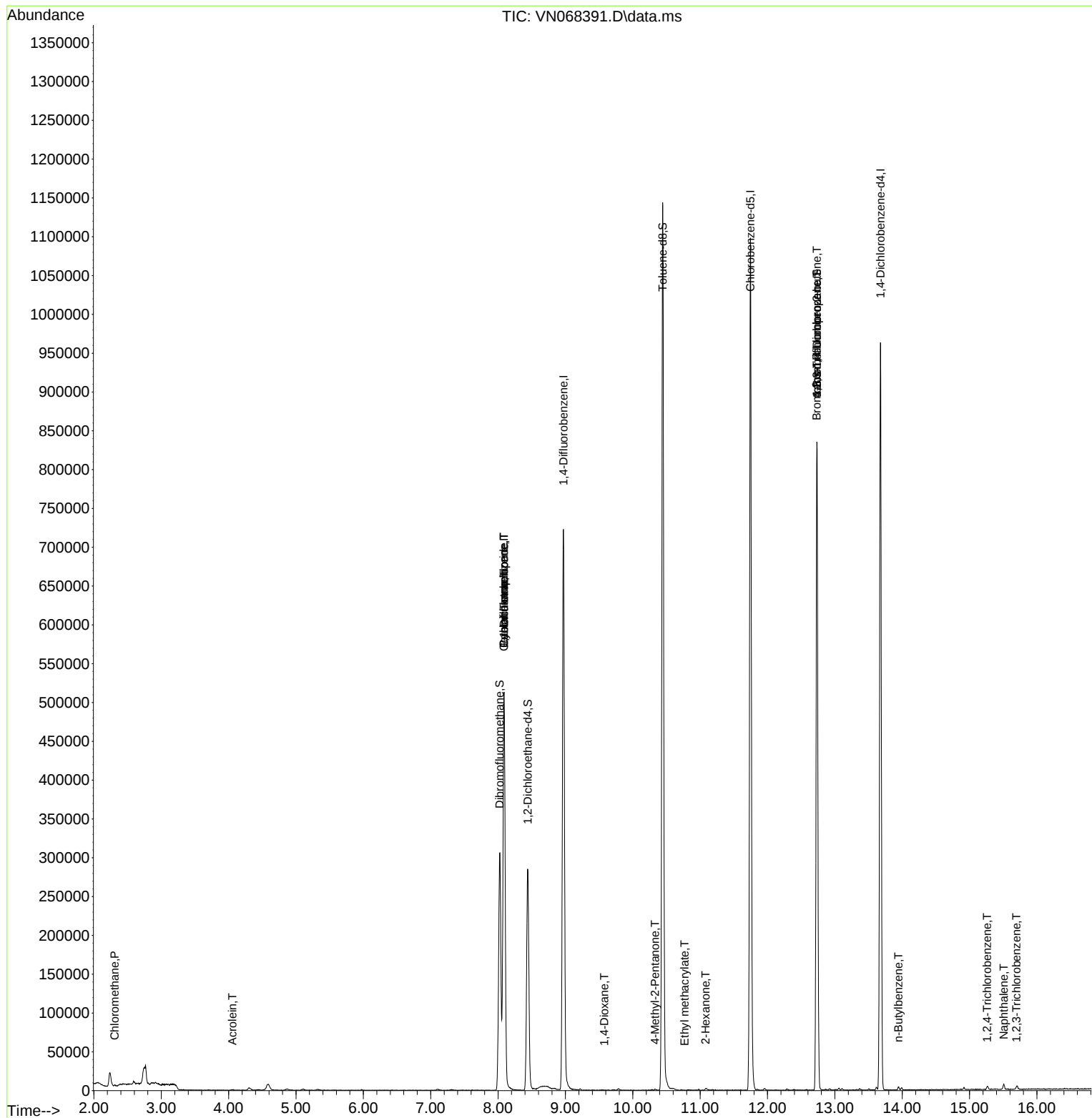
Internal Standards						
1) Pentafluorobenzene	8.088	168	422785	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	703945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	692833	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	282670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241482	55.959	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.920%			
35) Dibromofluoromethane	8.024	113	222286	49.804	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.600%			
50) Toluene-d8	10.443	98	857977	51.352	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.733	95	285969	52.155	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.320%			
Target Compounds			Qvalue			
3) Chloromethane	2.306	50	1955	0.530	ug/l	93
5) Bromomethane	2.875	94	1784	Below Cal	#	62
13) Acrolein	4.055	56	560	1.528	ug/l	# 64
16) Acetone	4.307	43	4324	Below Cal	#	90
18) Methyl Acetate	4.867	43	3426	Below Cal	#	80
20) Methylene Chloride	5.111	84	1146	Below Cal	#	48
31) Cyclohexane	8.088	56	7450	1.310	ug/l	# 8
36) 1,1-Dichloropropene	8.088	75	29175	5.211	ug/l	# 46
38) Carbon Tetrachloride	8.086	117	40372	6.034	ug/l	# 18
49) 1,4-Dioxane	9.577	88	26	0.334	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.330	43	1103	0.234	ug/l	# 85
56) Ethyl methacrylate	10.770	69	27	1.660	ug/l	# 19
59) 2-Hexanone	11.081	43	2096	0.639	ug/l	76
71) Bromoform	12.731	173	1498	2.216	ug/l	# 29
76) 1,2,3-Trichloropropane	12.733	75	148435	30.898	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	148435	102.087	ug/l	# 6
89) n-Butylbenzene	13.946	91	2938	0.237	ug/l	99
93) 1,2,4-Trichlorobenzene	15.263	180	1719	2.532	ug/l	93
95) Naphthalene	15.507	128	6069	2.841	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.697	180	1003	2.195	ug/l	# 21

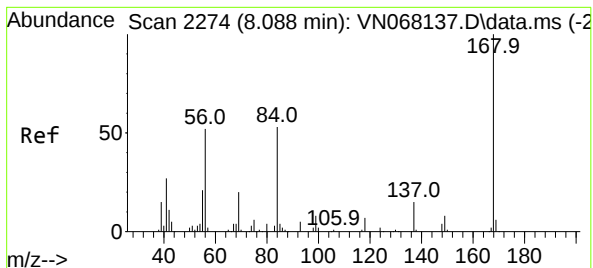
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 02 14:59:33 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068391.D

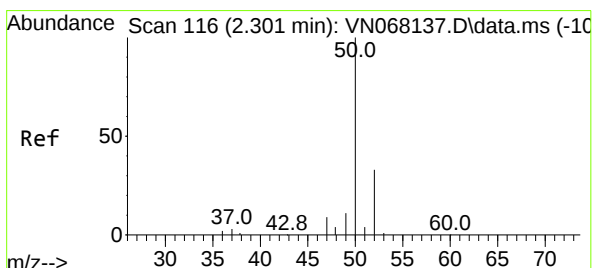
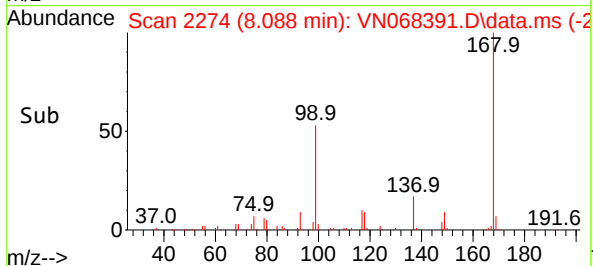
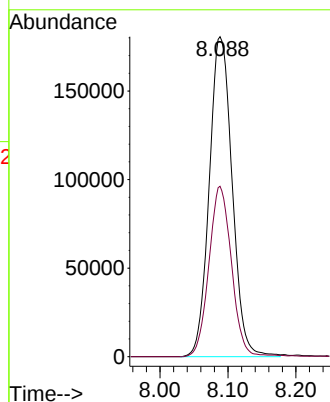
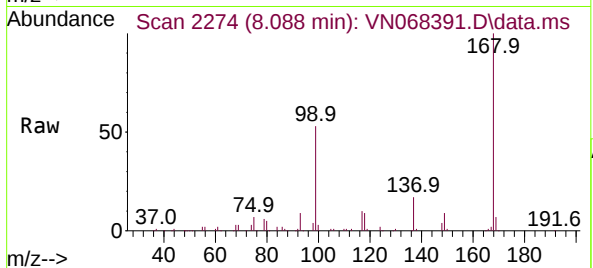
Acq: 2 Sep 2021 17:37

Tgt Ion:168 Resp: 422785

Ion Ratio Lower Upper

168 100

99 53.2 62.9 94.3#



#3

Chloromethane

Concen: 0.530 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN068391.D

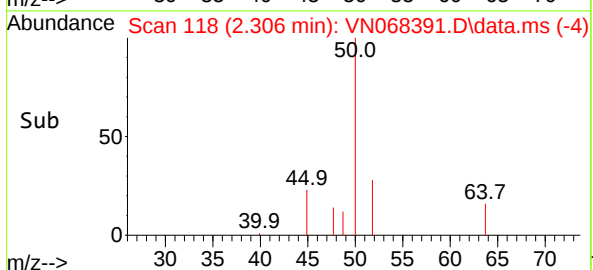
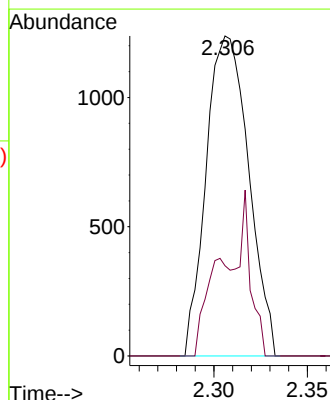
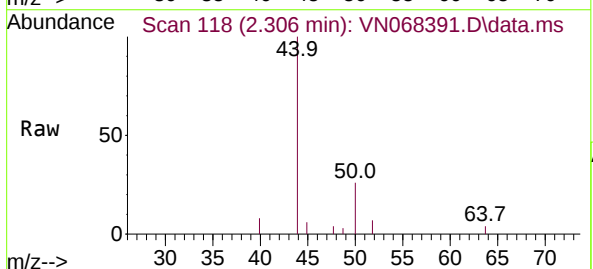
Acq: 2 Sep 2021 17:37

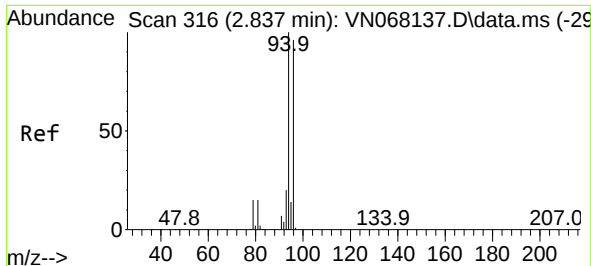
Tgt Ion: 50 Resp: 1955

Ion Ratio Lower Upper

50 100

52 28.2 25.6 38.4

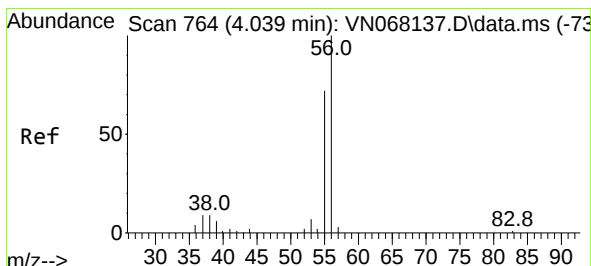
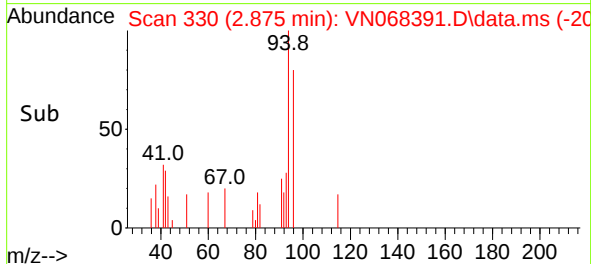
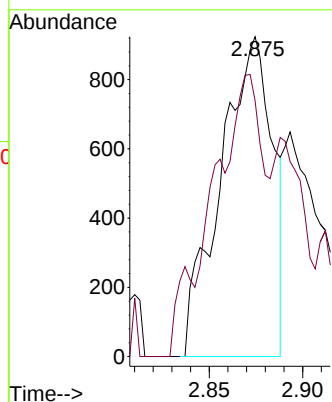
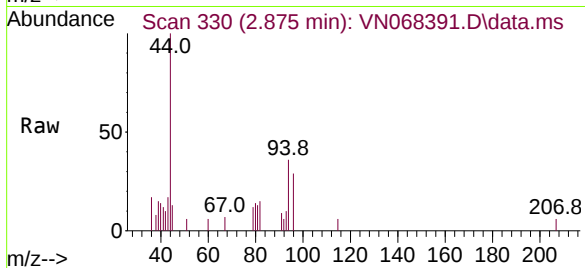




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.035 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

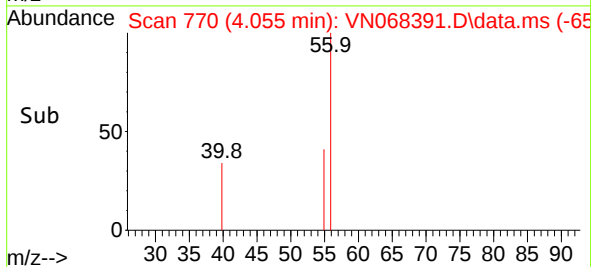
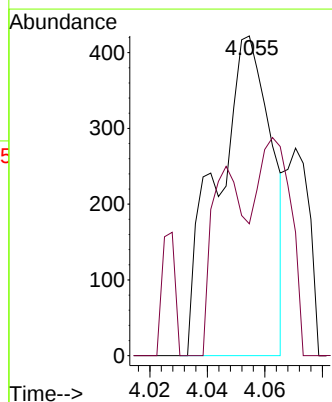
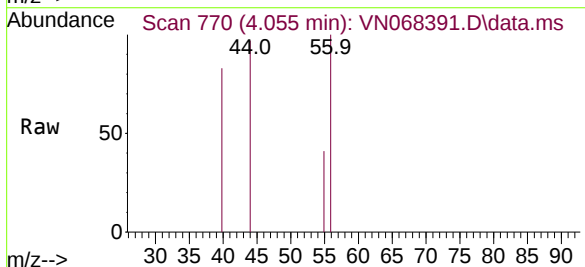
Instrument :
MSVOA_N
ClientSampled :
BPU-2

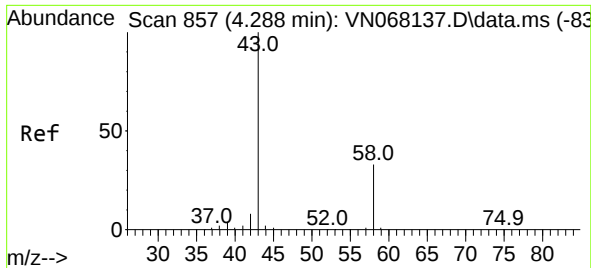
Tgt Ion: 94 Resp: 1784
Ion Ratio Lower Upper
94 100
96 56.3 73.7 110.5#



#13
Acrolein
Concen: 1.528 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 56 Resp: 560
Ion Ratio Lower Upper
56 100
55 41.4 57.4 86.0#

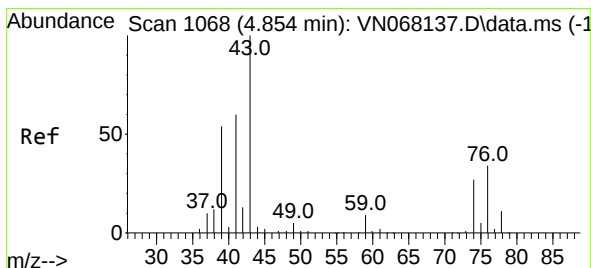
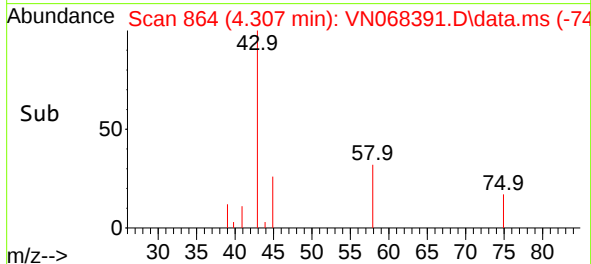
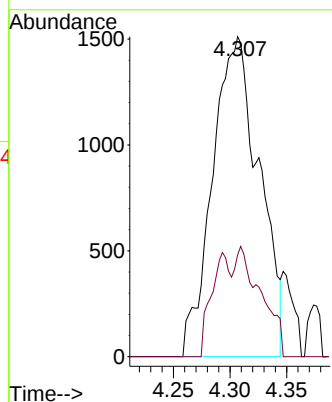
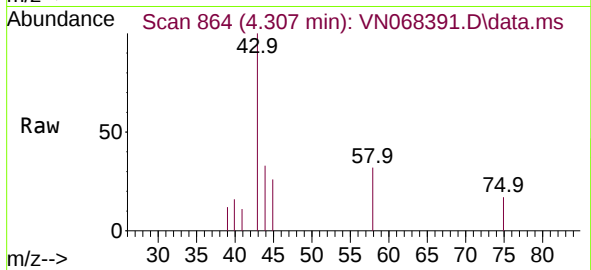




#16
Acetone
Concen: Below Cal
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

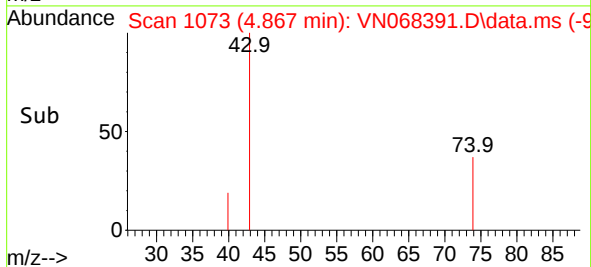
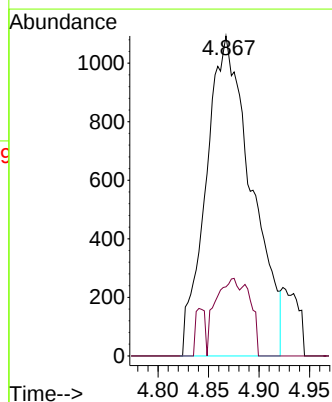
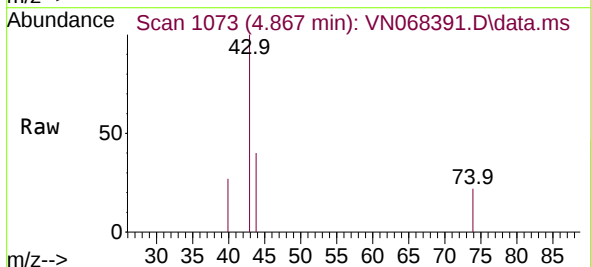
Instrument :
MSVOA_N
ClientSampled :
BPU-2

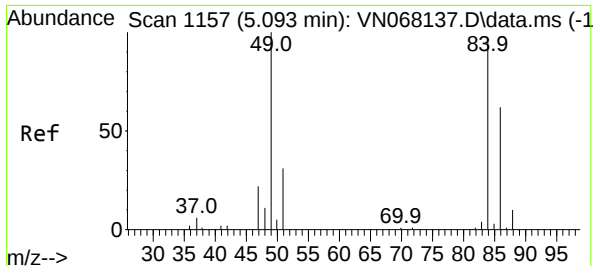
Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
58 31.8 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

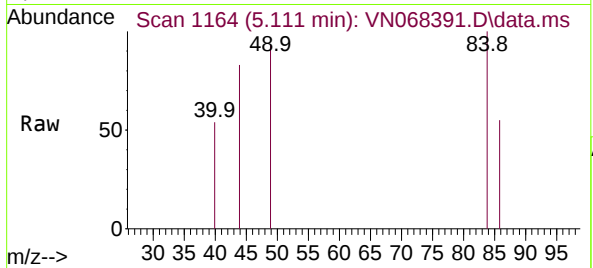
Tgt Ion: 43 Resp: 3426
Ion Ratio Lower Upper
43 100
74 12.4 17.4 26.0#



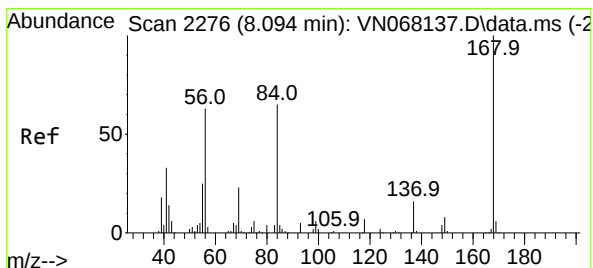
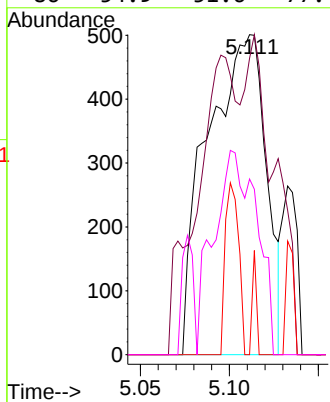
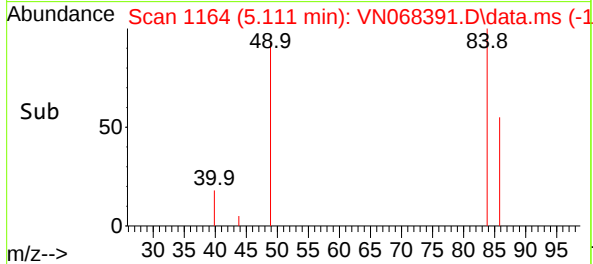


#20
Methylene Chloride
Concen: Below Cal
RT: 5.111 min Scan# 1164
Delta R.T. 0.018 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

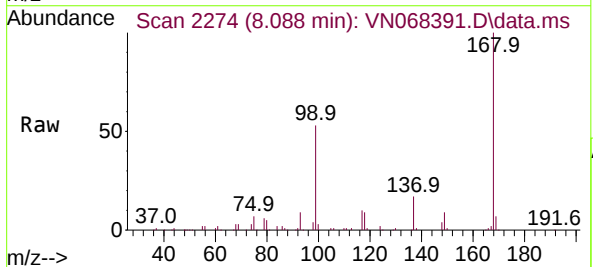
Instrument :
MSVOA_N
ClientSampled :
BPU-2



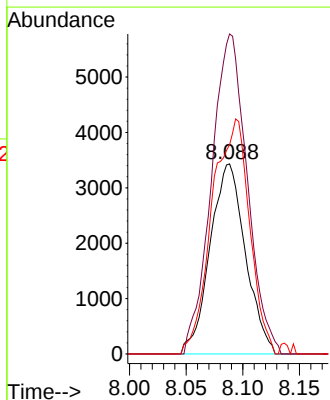
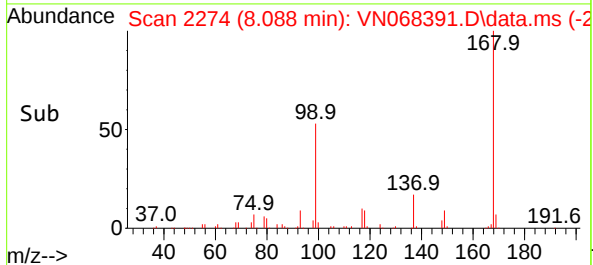
Tgt Ion: 84 Resp: 1146
Ion Ratio Lower Upper
84 100
49 57.1 110.9 166.3#
51 0.0 32.6 49.0#
86 54.9 51.6 77.4

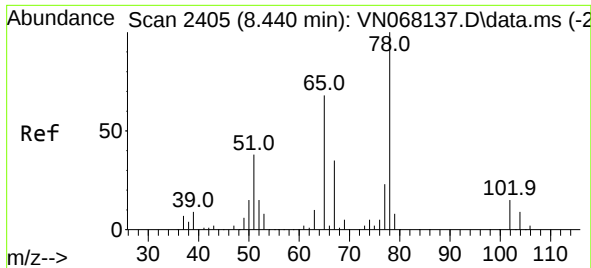


#31
Cyclohexane
Concen: 1.310 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37



Tgt Ion: 56 Resp: 7450
Ion Ratio Lower Upper
56 100
69 168.4 27.3 40.9#
84 110.0 64.9 97.3#

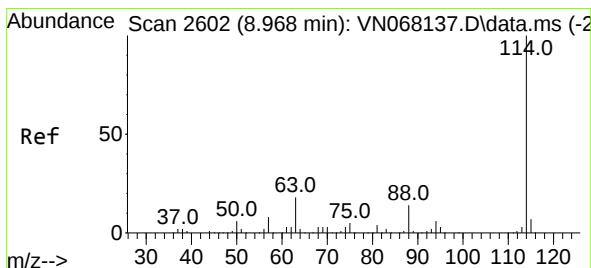
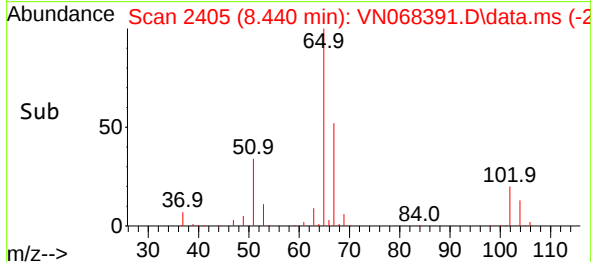
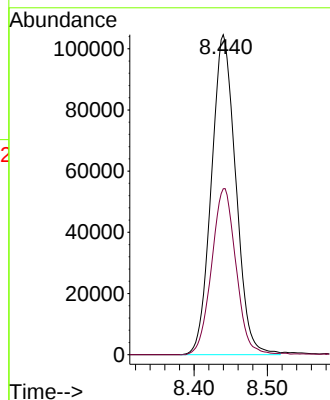
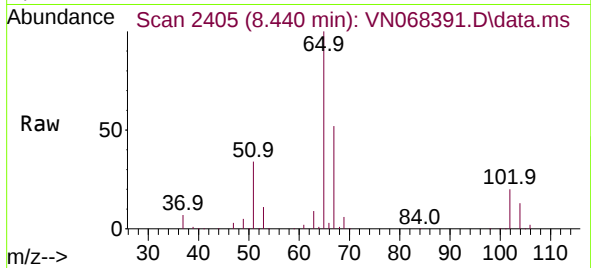




#33
 1,2-Dichloroethane-d4
 Concen: 55.959 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068391.D
 Acq: 2 Sep 2021 17:37

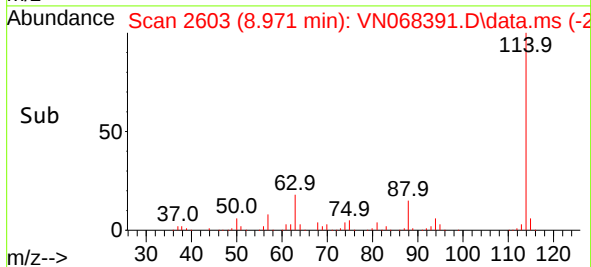
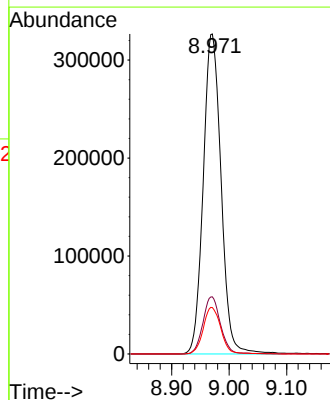
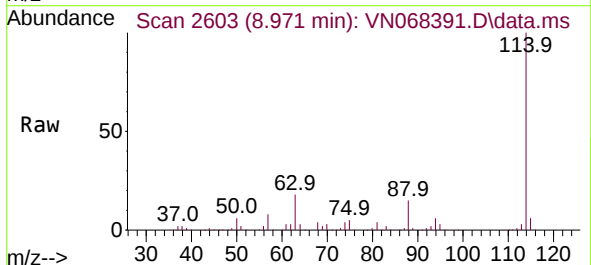
Instrument :
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 ClientSampled :
 BPU-2

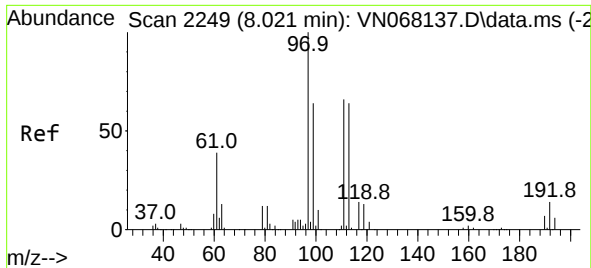
Tgt Ion: 65 Resp: 241482
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068391.D
 Acq: 2 Sep 2021 17:37

Tgt Ion: 114 Resp: 703945
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 49.0
 88 14.5 0.0 36.6

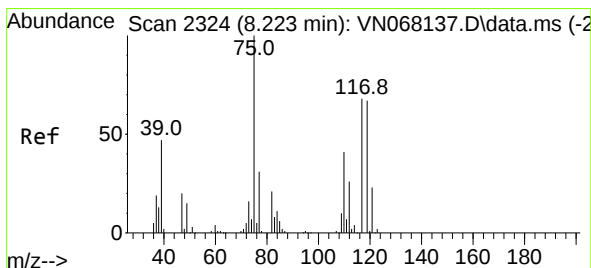
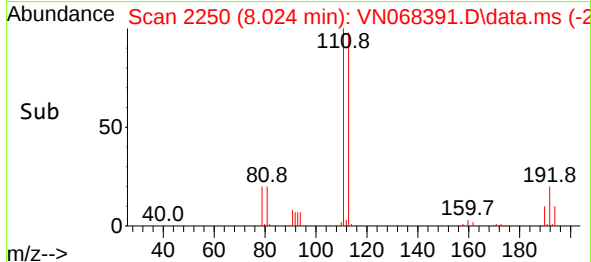
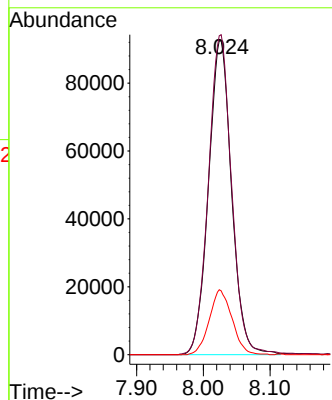
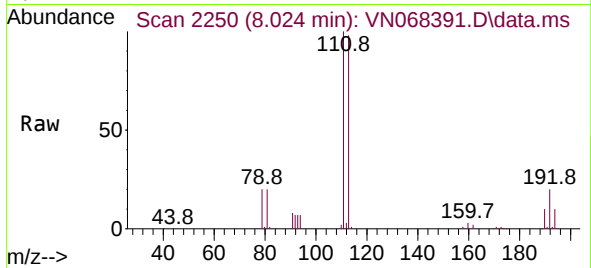




#35
Dibromofluoromethane
Concen: 49.804 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

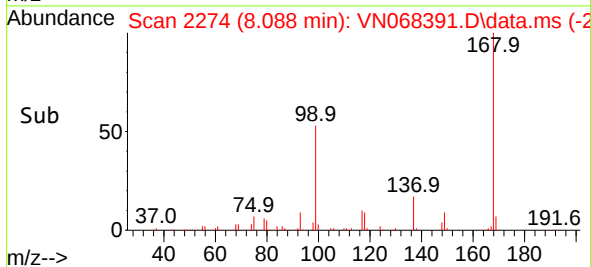
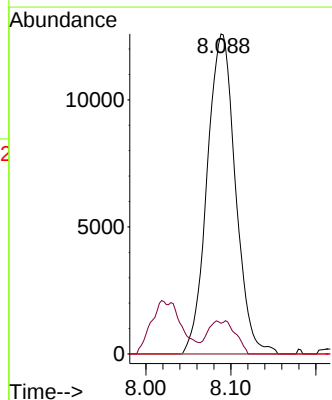
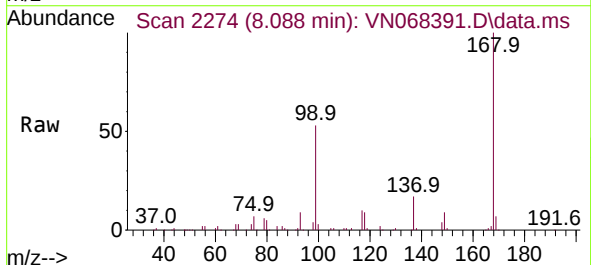
Instrument :
MSVOA_N
ClientSampled :
BPU-2

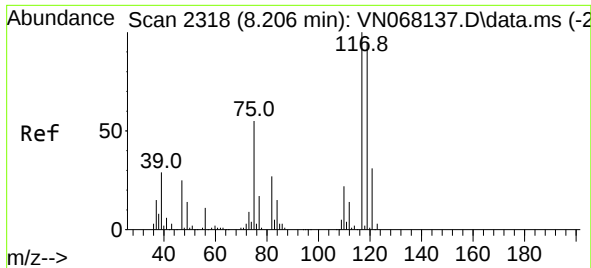
Tgt Ion:113 Resp: 222286
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 75 Resp: 29175
Ion Ratio Lower Upper
75 100
110 2.9 15.7 47.0#
77 0.0 24.6 37.0#

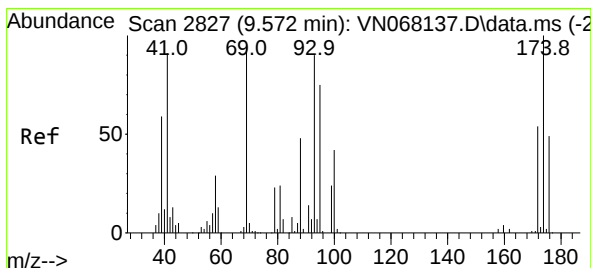
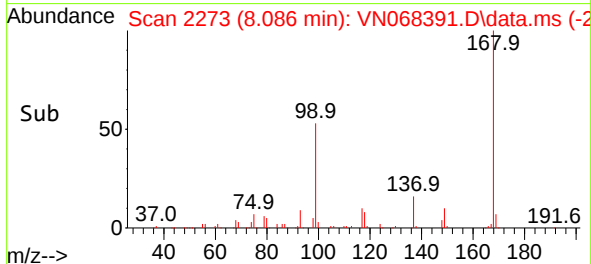
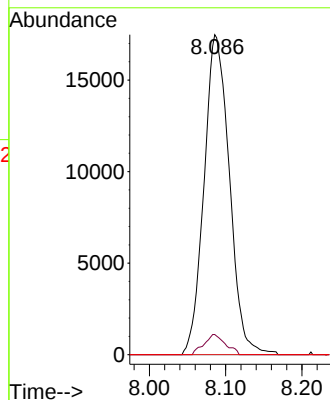
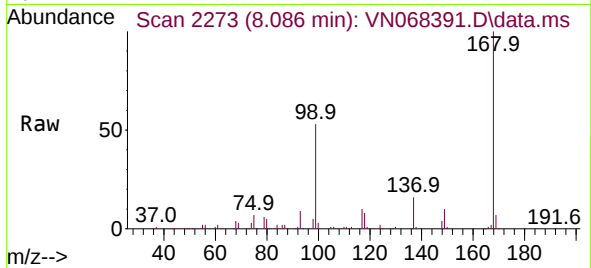




#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

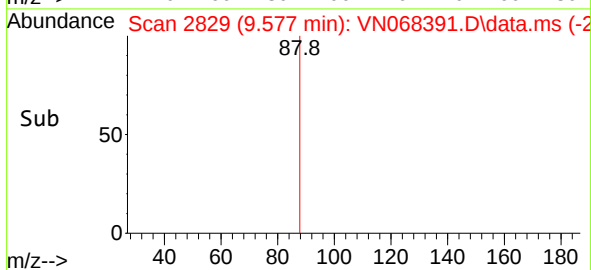
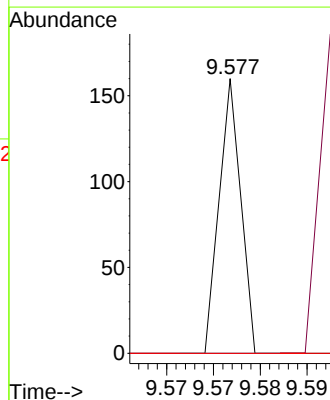
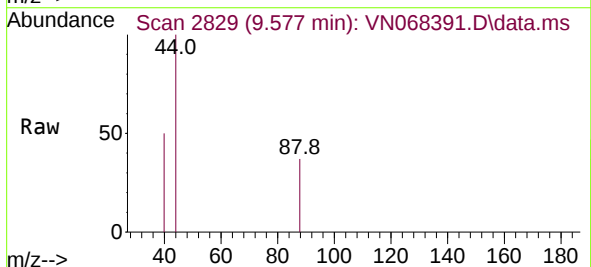
Instrument :
MSVOA_N
ClientSampled :
BPU-2

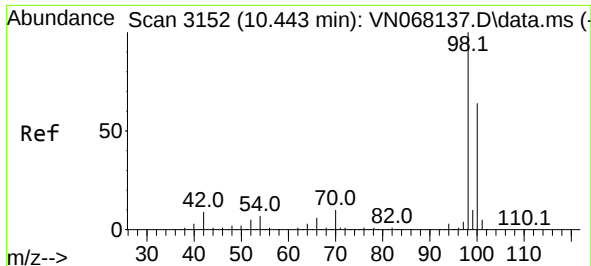
Tgt Ion:117 Resp: 40372
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 0.334 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 507.7 28.8 43.2#
58 0.0 60.4 90.6#

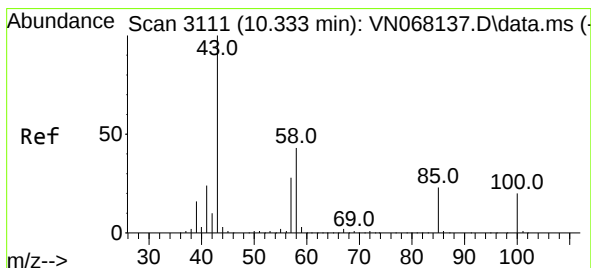
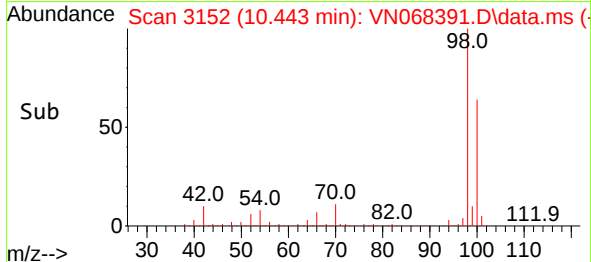
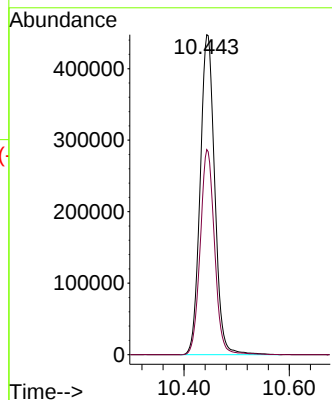
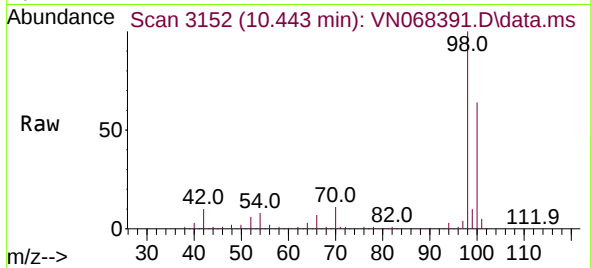




#50
Toluene-d8
Concen: 51.352 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

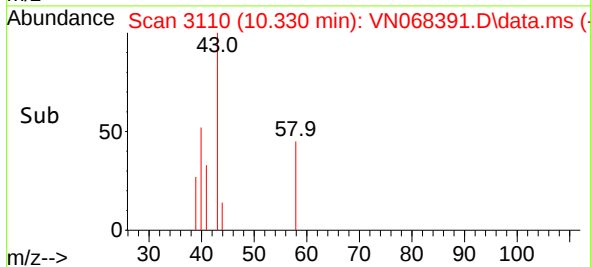
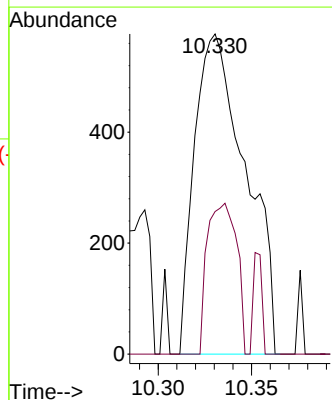
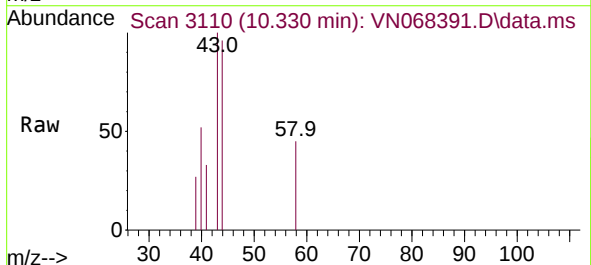
Instrument :
MSVOA_N
ClientSampled :
BPU-2

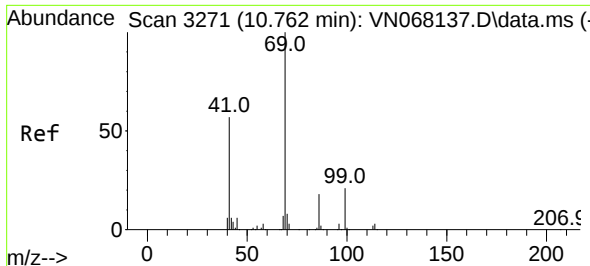
Tgt Ion: 98 Resp: 857977
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 27.0 28.6 43.0#

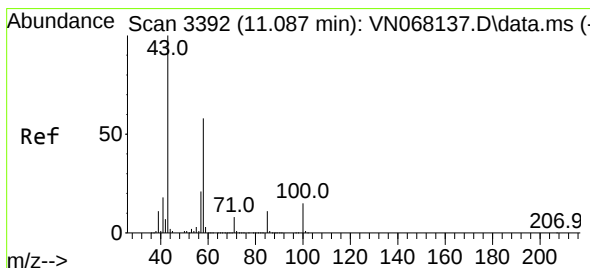
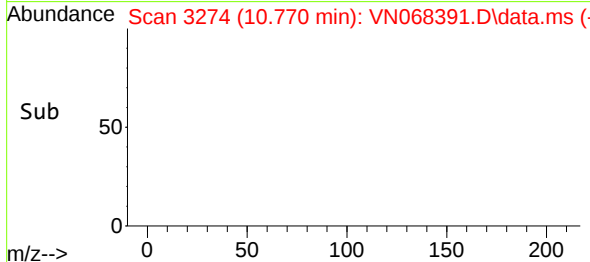
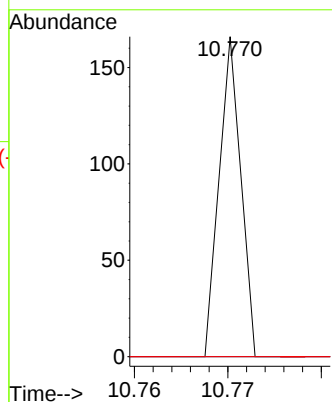
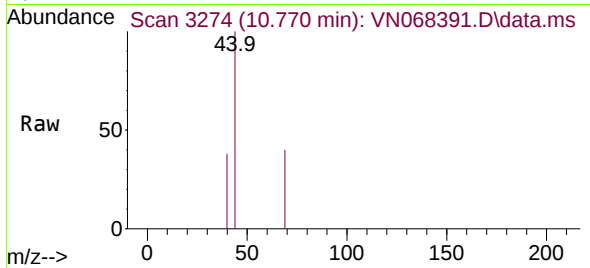




#56
Ethyl methacrylate
Concen: 1.660 ug/l
RT: 10.770 min Scan# 3274
Delta R.T. 0.008 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

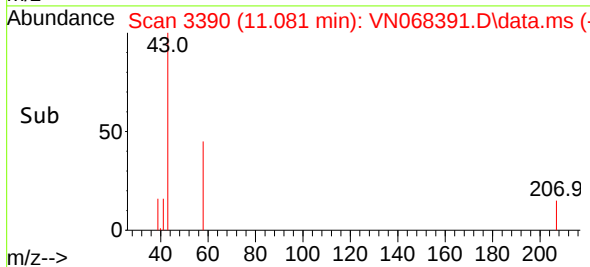
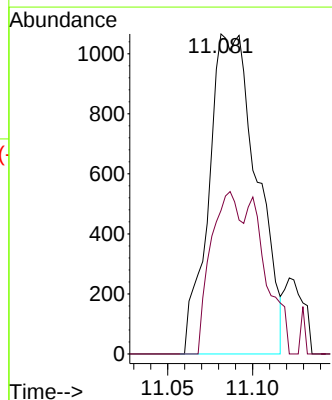
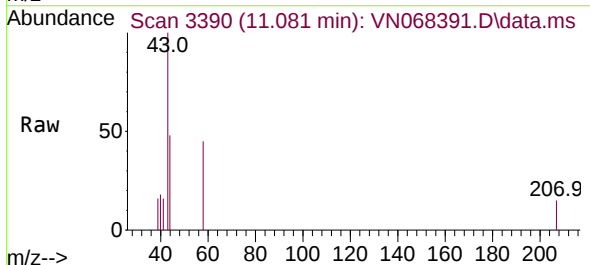
Instrument :
MSVOA_N
ClientSampled :
BPU-2

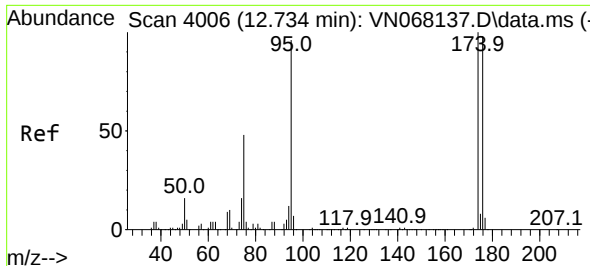
Tgt Ion:	69	Resp:	27
Ion	Ratio	Lower	Upper
69	100		
41	0.0	58.6	88.0#
39	0.0	38.3	57.5#



#59
2-Hexanone
Concen: 0.639 ug/l
RT: 11.081 min Scan# 3390
Delta R.T. -0.006 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion:	43	Resp:	2096
Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.7	74.1

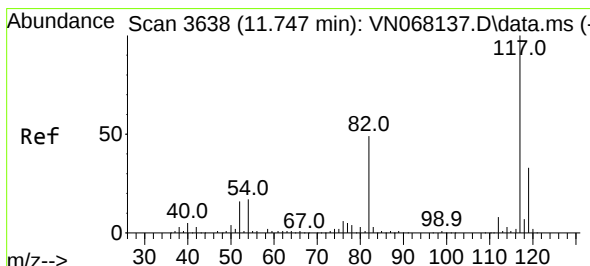
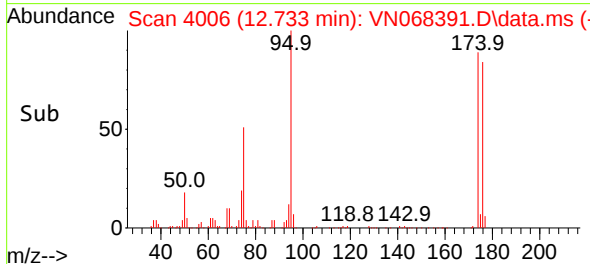
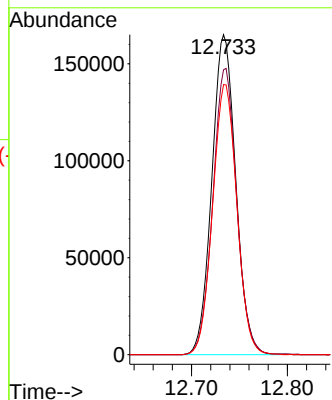
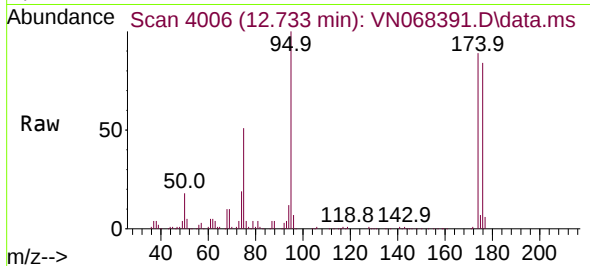




#62
4-Bromofluorobenzene
Concen: 52.155 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

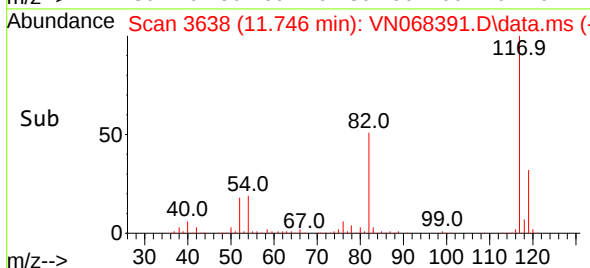
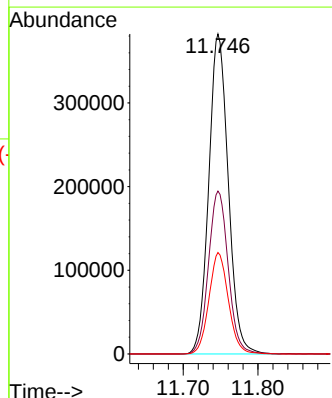
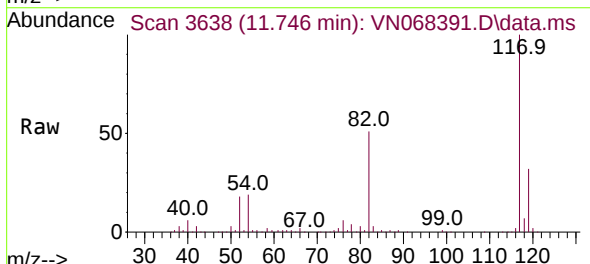
Instrument :
MSVOA_N
ClientSampleId :
BPU-2

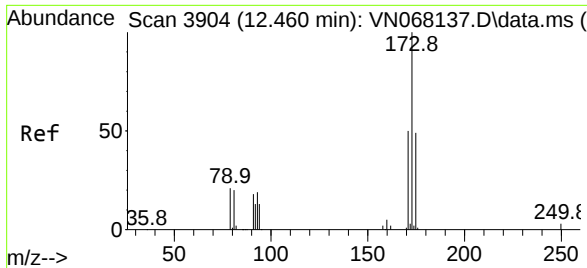
Tgt Ion: 95 Resp: 285969
Ion Ratio Lower Upper
95 100
174 89.4 0.0 122.0
176 85.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 117 Resp: 692833
Ion Ratio Lower Upper
117 100
82 50.9 53.1 79.7#
119 31.7 25.5 38.3

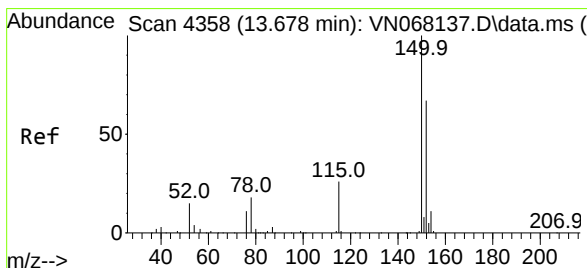
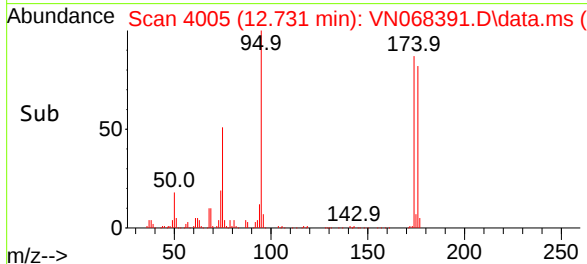
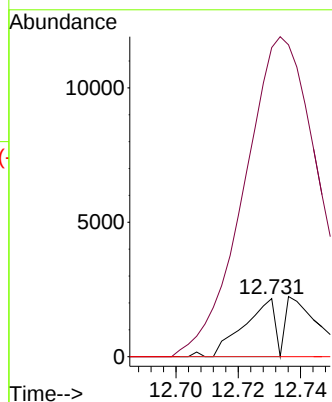
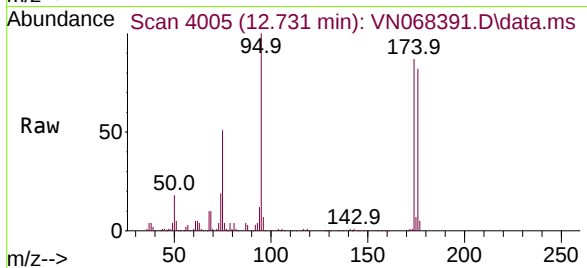




#71
Bromoform
Concen: 2.216 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

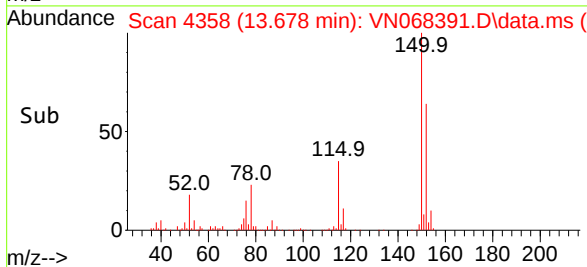
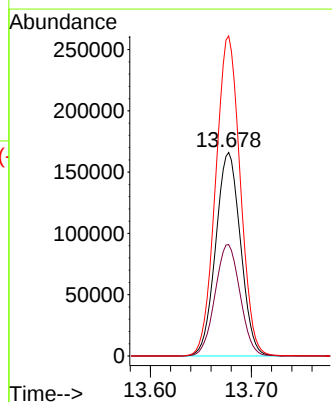
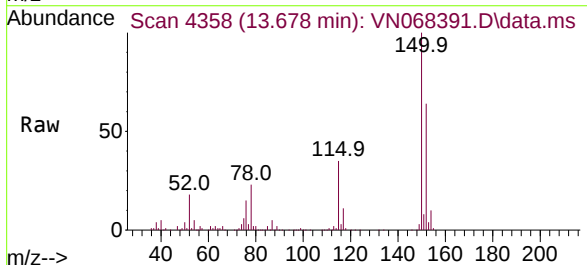
Instrument :
MSVOA_N
ClientSampleId :
BPU-2

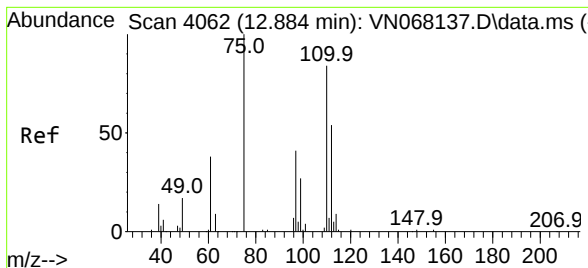
Tgt Ion:173 Resp: 1498
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion:152 Resp: 282670
Ion Ratio Lower Upper
152 100
115 55.3 36.1 108.5
150 156.0 0.0 351.8

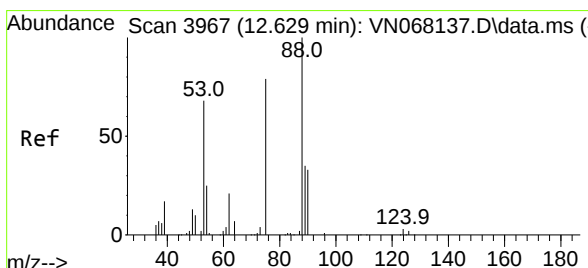
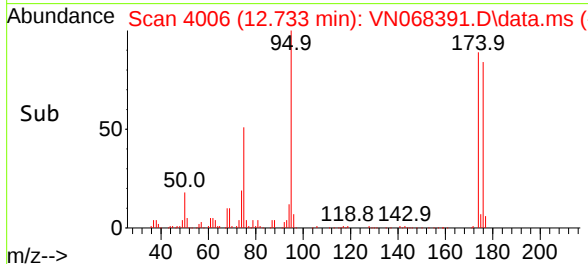
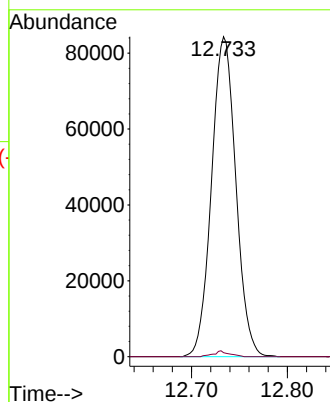
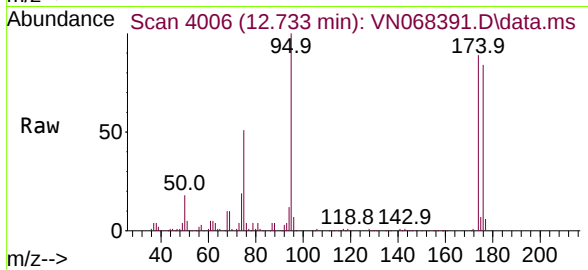




#76
1,2,3-Trichloropropane
Concen: 30.898 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

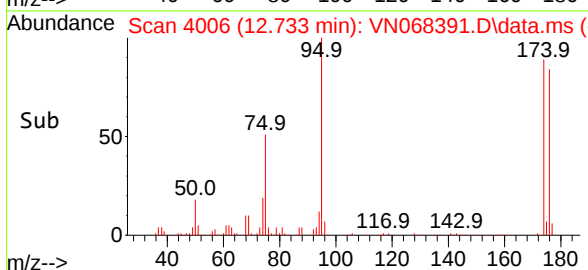
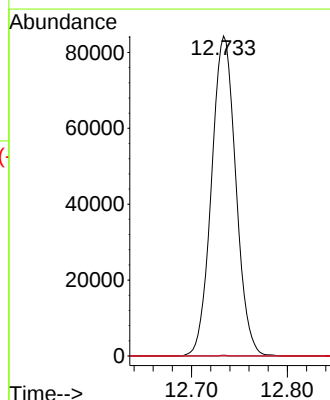
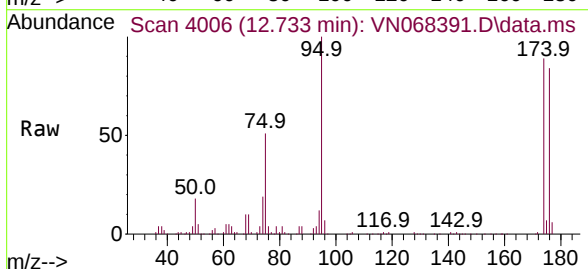
Instrument :
MSVOA_N
ClientSampled :
BPU-2

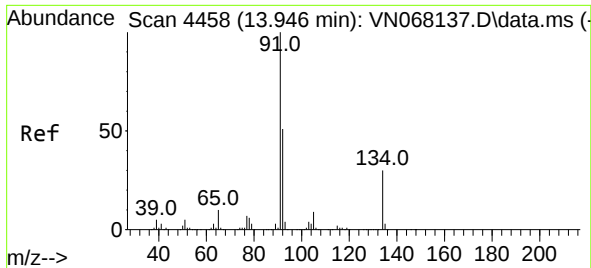
Tgt Ion: 75 Resp: 148435
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.087 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 75 Resp: 148435
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

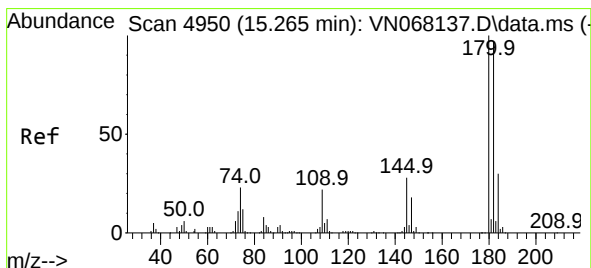
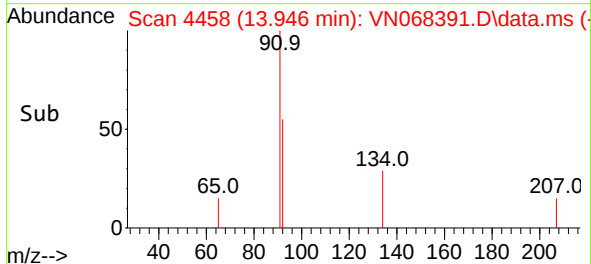
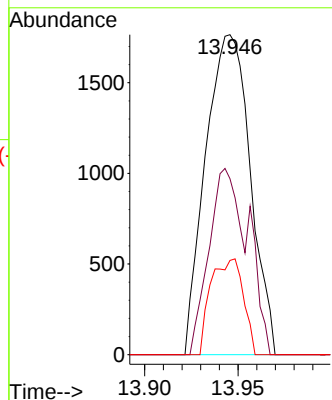
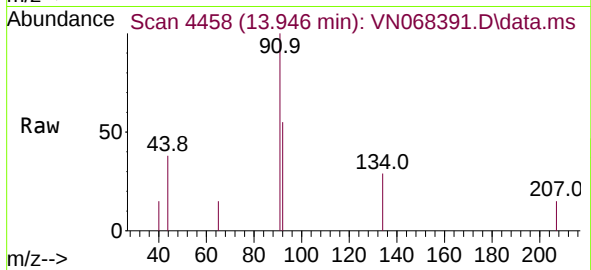




#89
n-Butylbenzene
Concen: 0.237 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

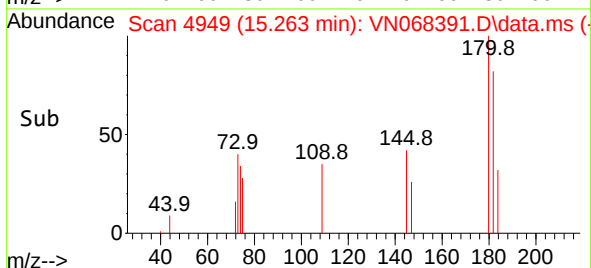
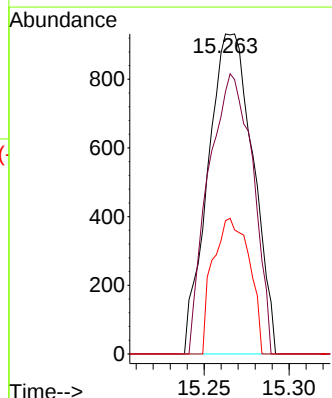
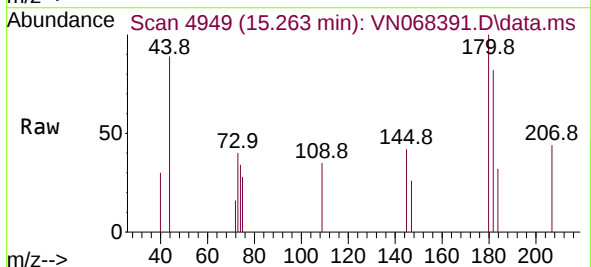
Instrument :
MSVOA_N
ClientSampled :
BPU-2

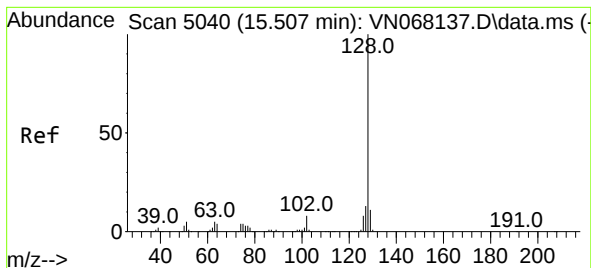
Tgt Ion: 91	Resp:	2938
Ion Ratio	Lower	Upper
91	100	
92	51.1	25.7 77.1
134	21.7	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 2.532 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion: 180	Resp:	1719
Ion Ratio	Lower	Upper
180	100	
182	85.7	47.5 142.5
145	34.0	17.2 51.6

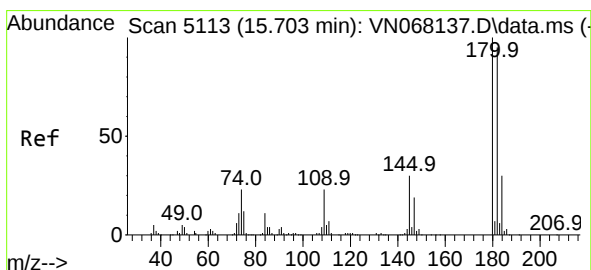
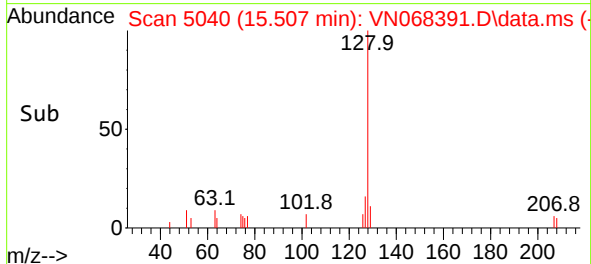
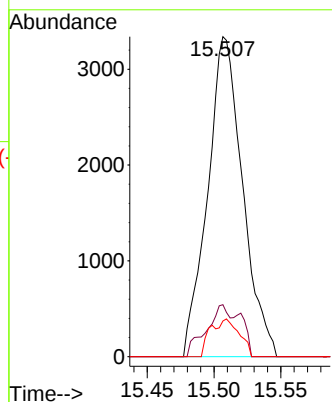
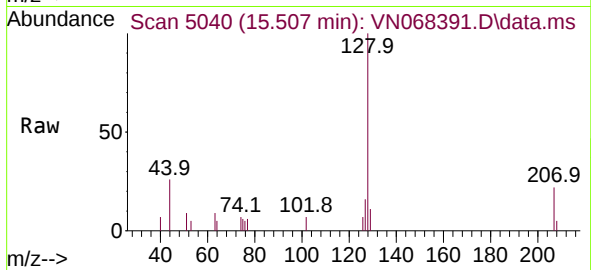




#95
Naphthalene
Concen: 2.841 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Instrument :
MSVOA_N
ClientSampled :
BPU-2

Tgt Ion:	128	Resp:	6069
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.6	15.8
129	5.9	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.195 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068391.D
Acq: 2 Sep 2021 17:37

Tgt Ion:	180	Resp:	1003
Ion Ratio	Lower	Upper	
180	100		
182	189.6	47.8	143.3#
145	55.2	18.2	54.6#

