

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082421\
 Data File : VN068281.D
 Acq On : 24 Aug 2021 11:58
 Operator : JC/MD
 Sample : VN0824WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL01

Quant Time: Aug 25 03:09:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

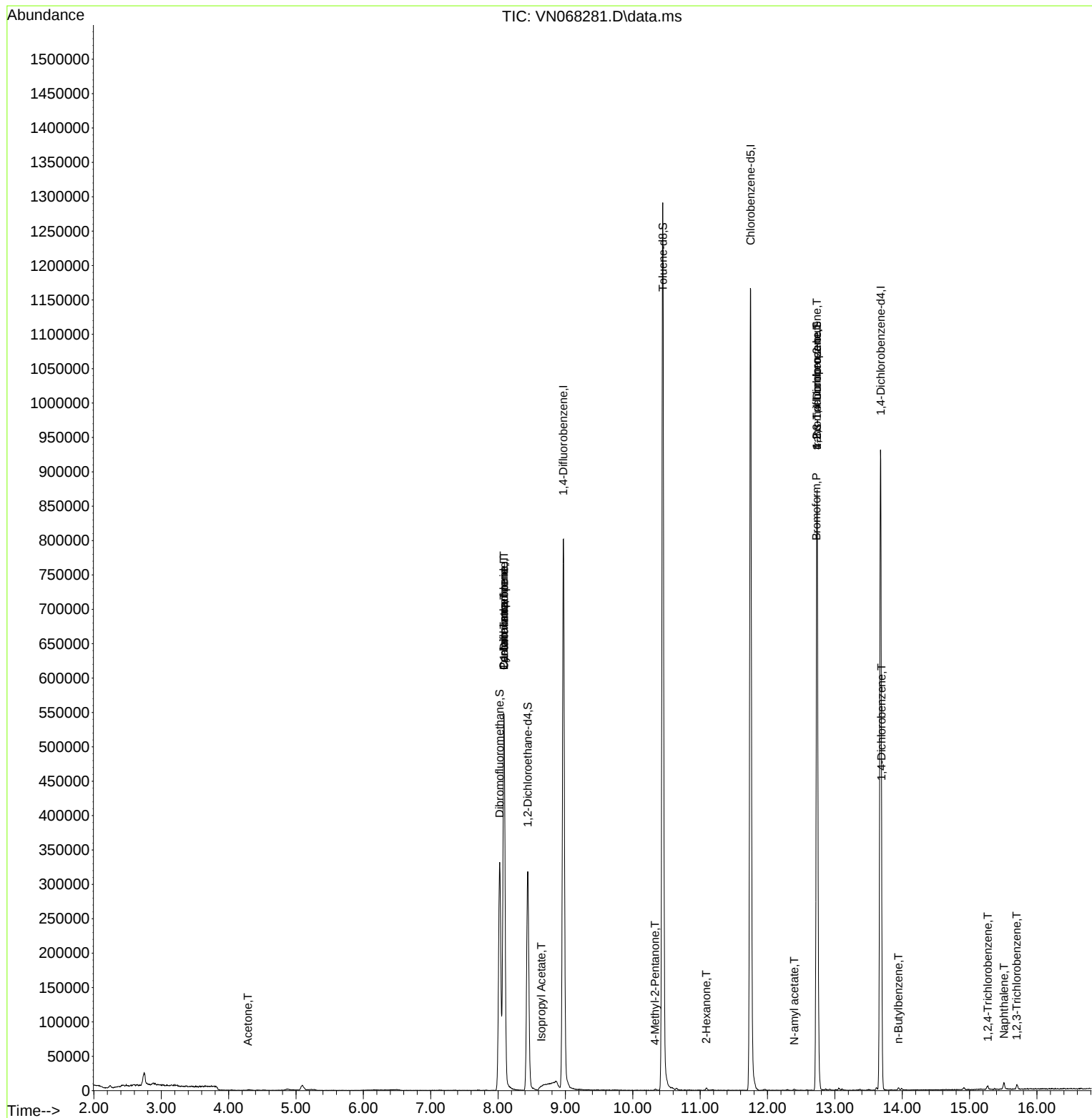
Internal Standards						
1) Pentafluorobenzene	8.088	168	458689	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	770775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	767036	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	284276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	274050	55.957	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 111.920%		
35) Dibromofluoromethane	8.024	113	243302	50.278	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 100.560%		
50) Toluene-d8	10.446	98	956087	51.852	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.700%		
62) 4-Bromofluorobenzene	12.733	95	304187	49.557	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 99.120%		
Target Compounds						Qvalue
5) Bromomethane	2.837	94	53	Below Cal	#	4
6) Chloroethane	3.105	64	52	Below Cal	#	44
13) Acrolein	4.047	56	177	Below Cal		87
16) Acetone	4.285	43	545	0.381	ug/l #	48
18) Methyl Acetate	4.856	43	1311	Below Cal		100
20) Methylene Chloride	5.090	84	2875	Below Cal	#	74
31) Cyclohexane	8.088	56	7703	1.194	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	29070	4.614	ug/l #	53
38) Carbon Tetrachloride	8.088	117	43077	5.928	ug/l #	17
43) Isopropyl Acetate	8.643	43	4180	0.486	ug/l #	58
51) 4-Methyl-2-Pentanone	10.328	43	1624	0.307	ug/l #	71
59) 2-Hexanone	11.089	43	2481	0.676	ug/l	89
71) Bromoform	12.728	173	1114	0.234	ug/l #	1
74) N-amyl acetate	12.395	43	1138	0.216	ug/l #	80
76) 1,2,3-Trichloropropane	12.733	75	153826	32.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	153826	106.659	ug/l #	6
88) 1,4-Dichlorobenzene	13.694	146	2155	0.224	ug/l #	1
89) n-Butylbenzene	13.943	91	2573	0.219	ug/l	89
93) 1,2,4-Trichlorobenzene	15.271	180	2160	3.116	ug/l	95
95) Naphthalene	15.509	128	9136	4.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	1590	3.165	ug/l #	37

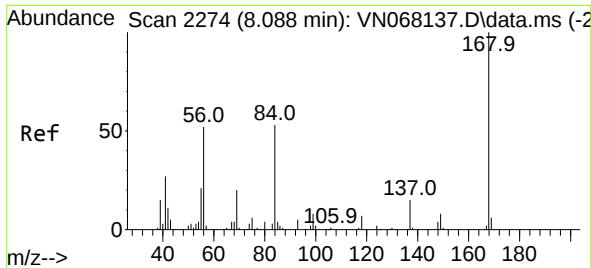
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

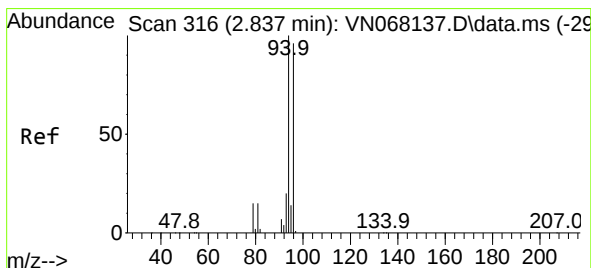
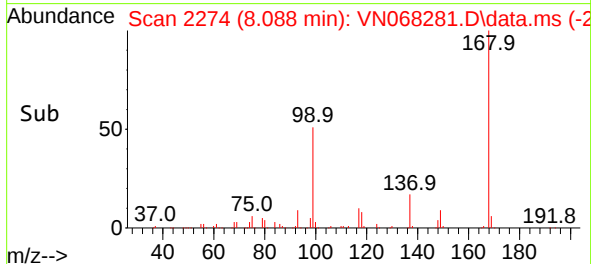
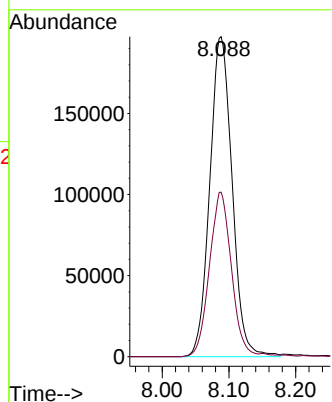
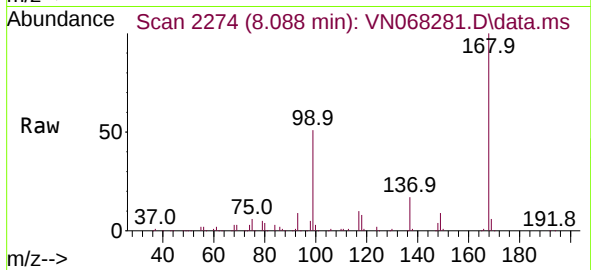




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

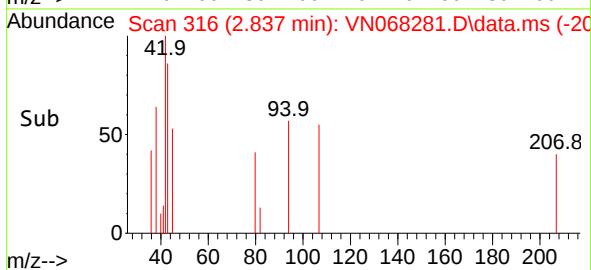
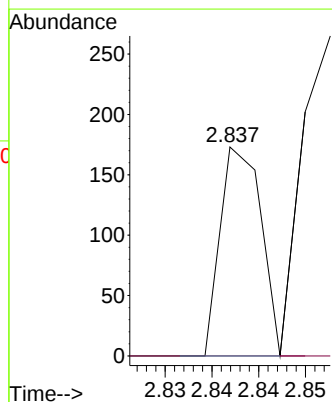
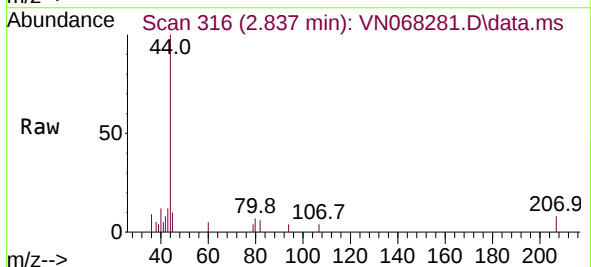
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

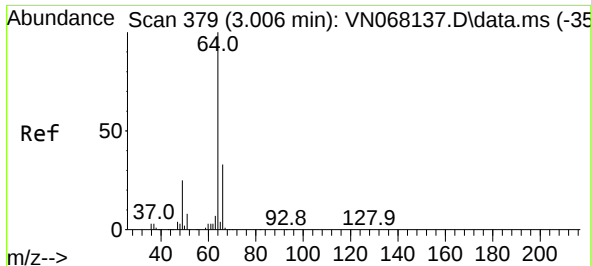
Tgt Ion:168 Resp: 458689
Ion Ratio Lower Upper
168 100
99 51.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. -0.000 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

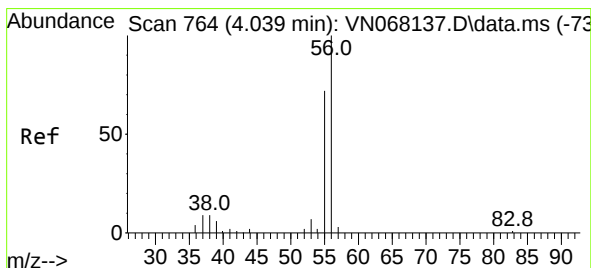
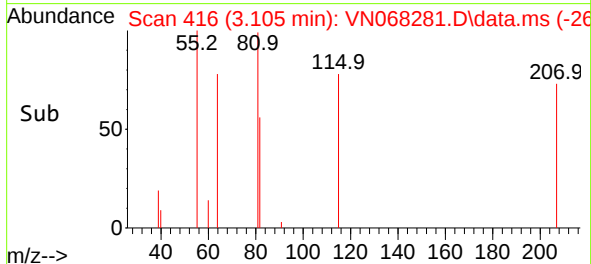
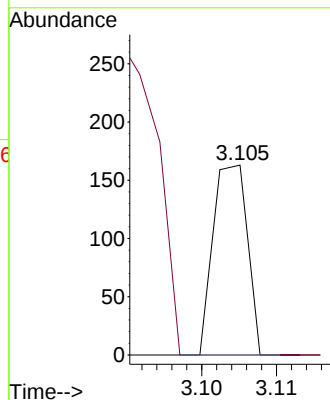
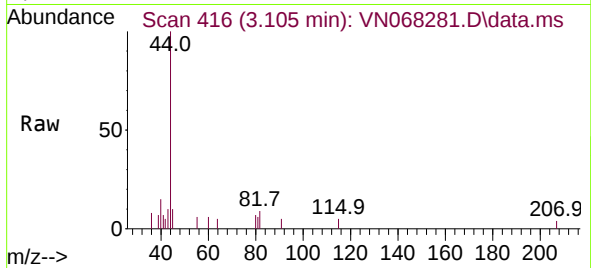




#6
Chloroethane
Concen: Below Cal
RT: 3.105 min Scan# 416
Delta R.T. 0.099 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

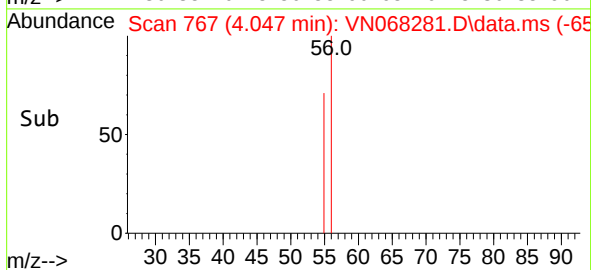
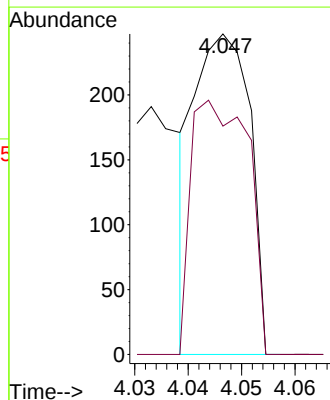
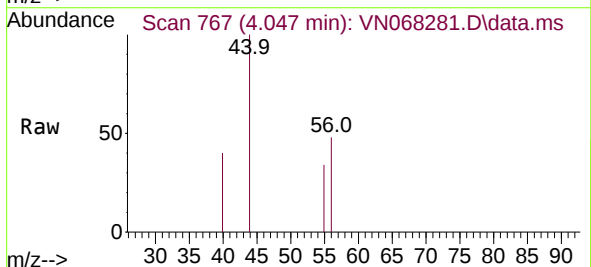
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 82.5 57.4 86.0

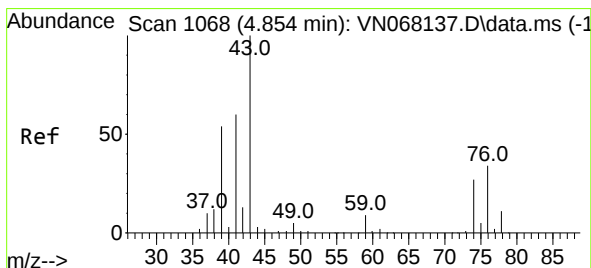
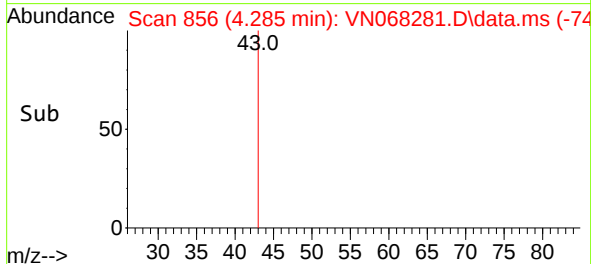
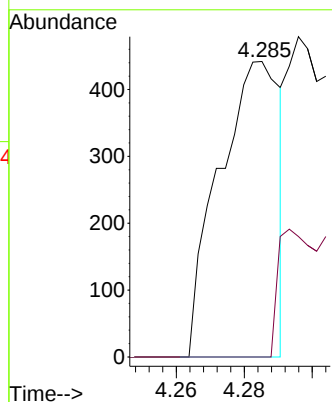
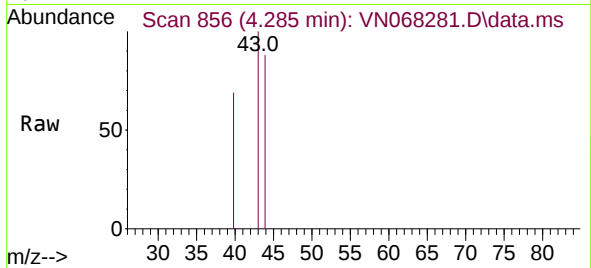




#16
Acetone
Concen: 0.381 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

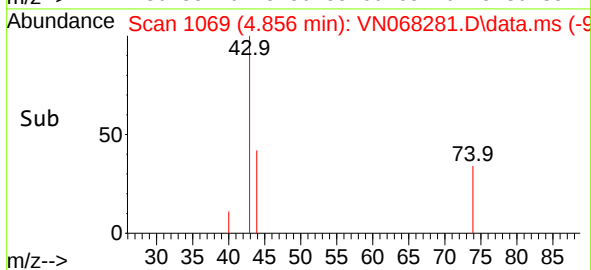
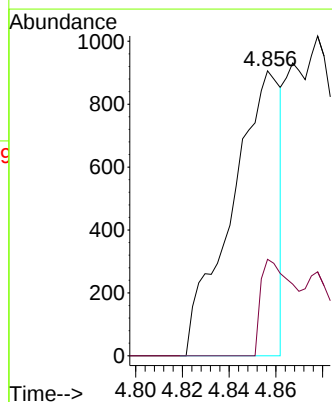
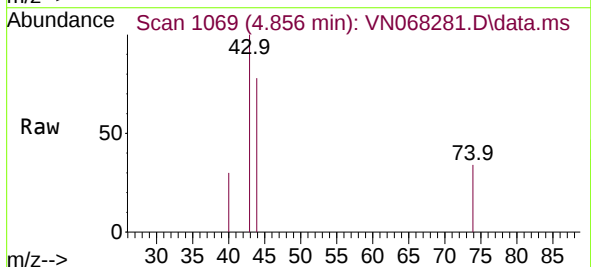
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

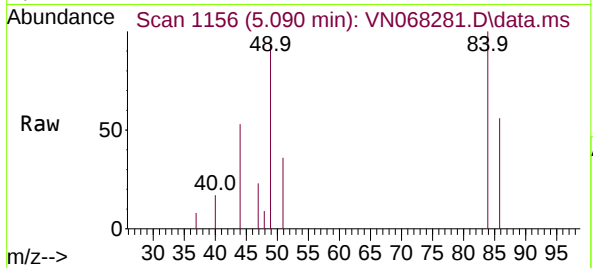
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
74 21.9 17.4 26.0



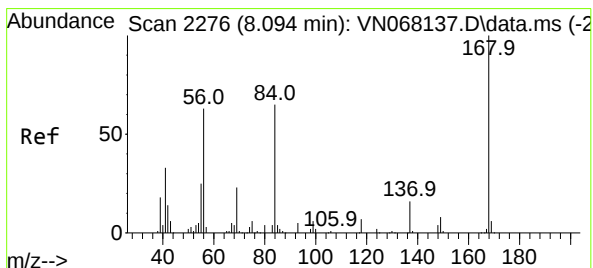
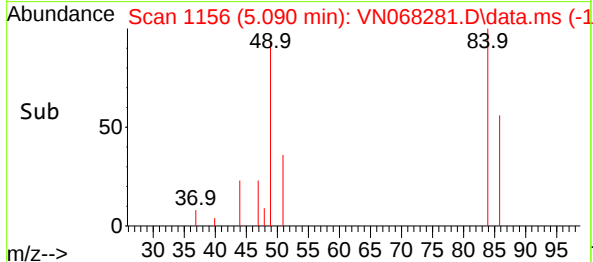
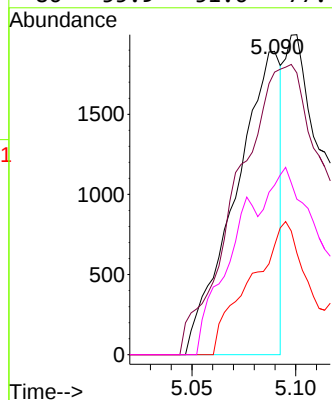


#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

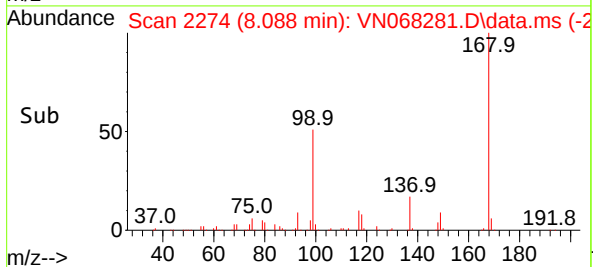
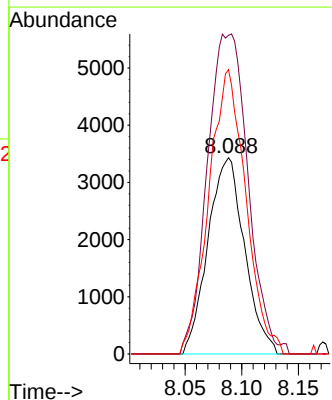
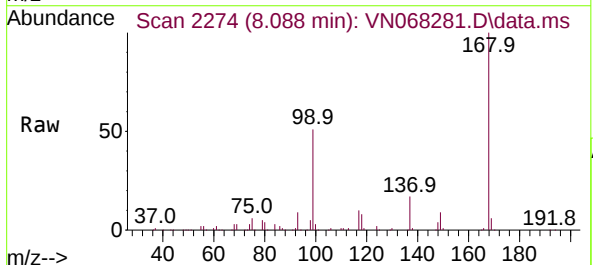


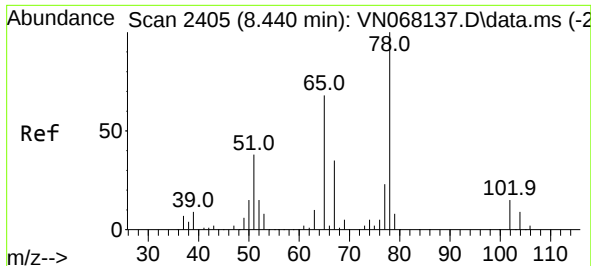
Tgt Ion:	84	Resp:	2875
Ion	Ratio	Lower	Upper
84	100		
49	93.1	110.9	166.3#
51	36.1	32.6	49.0
86	55.9	51.6	77.4



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion:	56	Resp:	7703
Ion	Ratio	Lower	Upper
56	100		
69	162.5	27.3	40.9#
84	144.9	64.9	97.3#





#33

1,2-Dichloroethane-d4

Concen: 55.957 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068281.D

Acq: 24 Aug 2021 11:58

Tgt Ion: 65 Resp: 274050

Ion Ratio Lower Upper

65 100

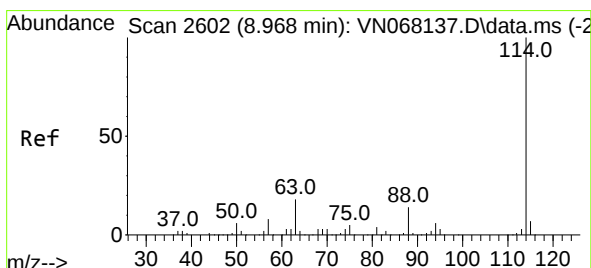
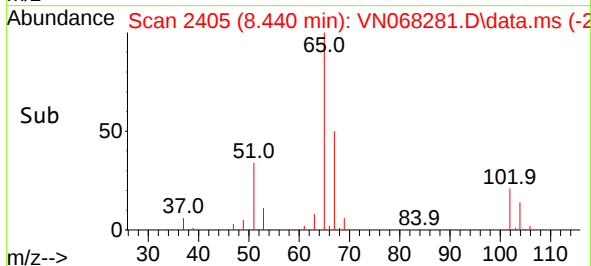
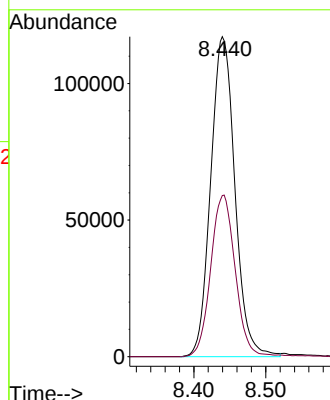
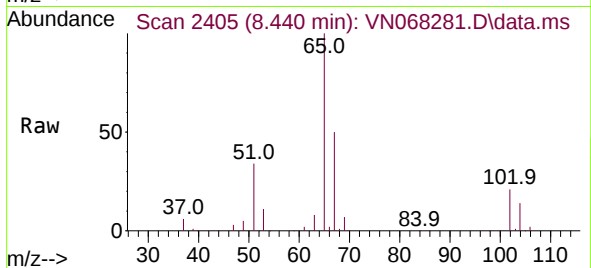
67 50.9 0.0 98.6

Instrument :

MSVOA_N

ClientSampleId :

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN068281.D

Acq: 24 Aug 2021 11:58

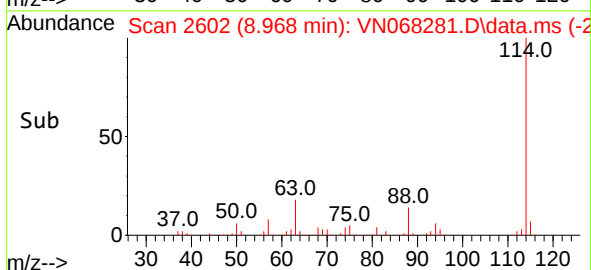
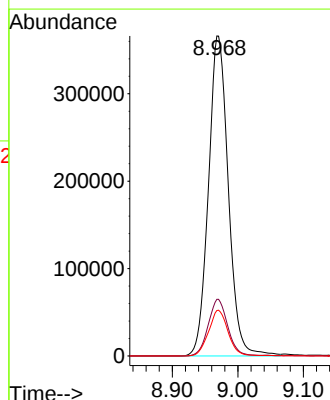
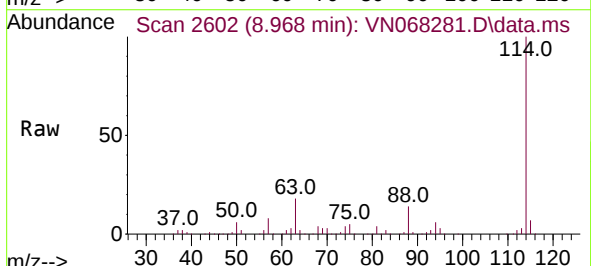
Tgt Ion: 114 Resp: 770775

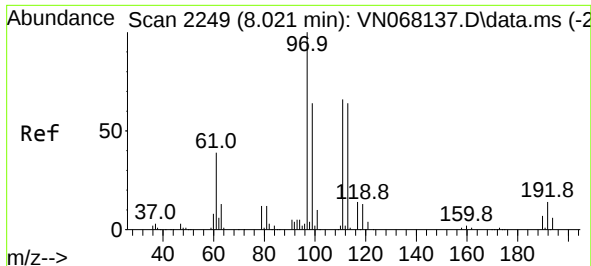
Ion Ratio Lower Upper

114 100

63 17.7 0.0 49.0

88 14.2 0.0 36.6

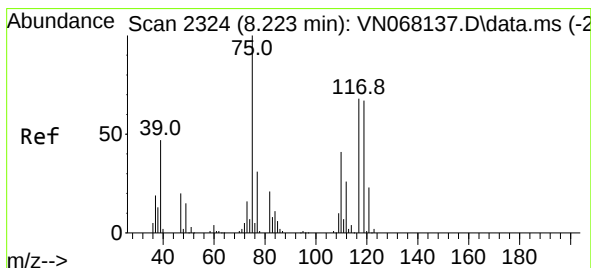
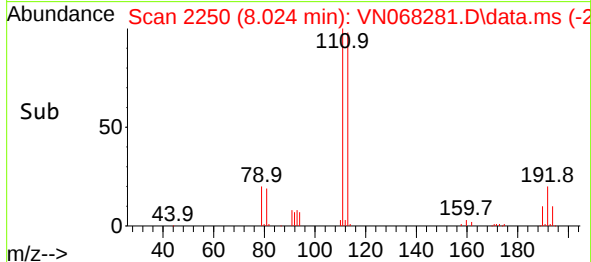
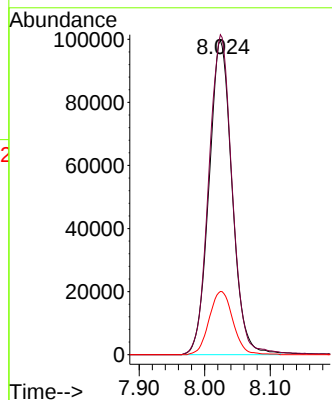
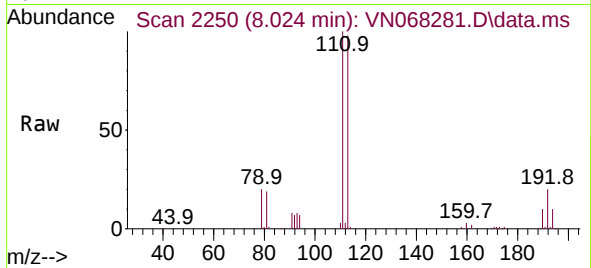




#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

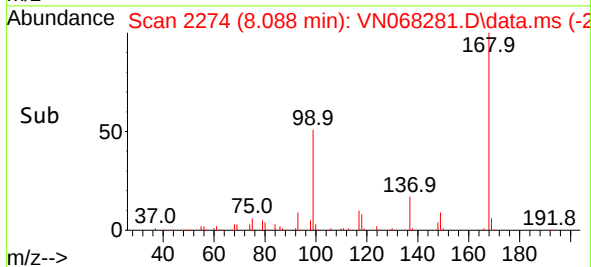
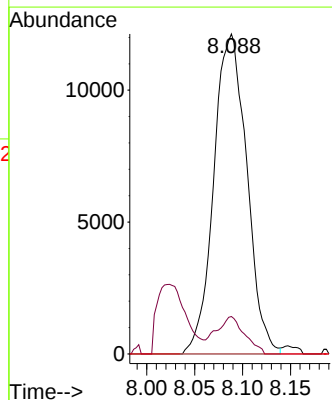
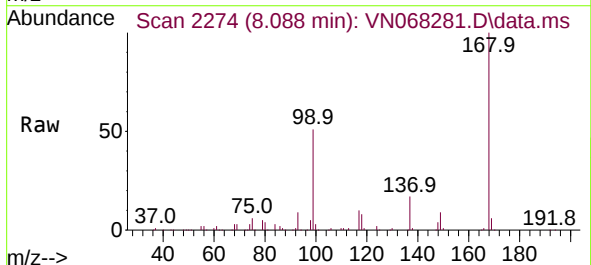
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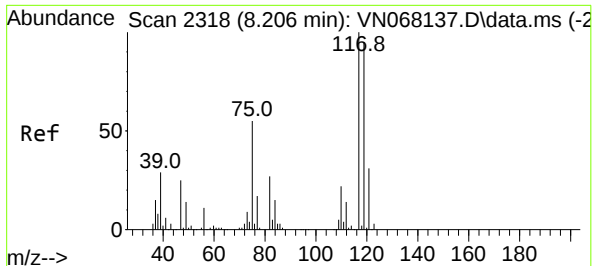
Tgt Ion:113 Resp: 243302
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 75 Resp: 29070
Ion Ratio Lower Upper
75 100
110 10.1 15.7 47.0#
77 0.0 24.6 37.0#

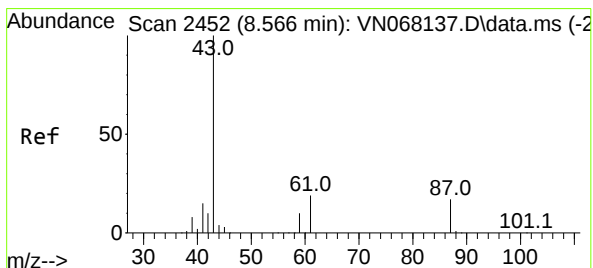
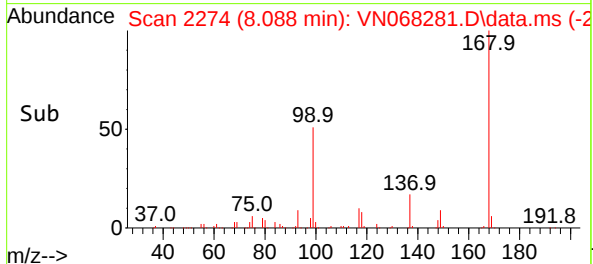
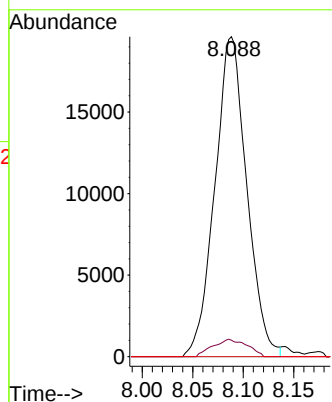
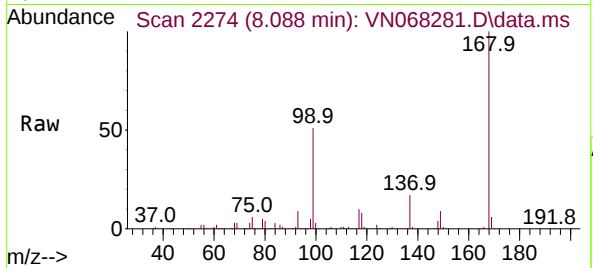




#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

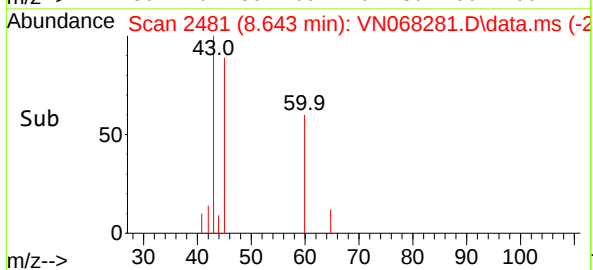
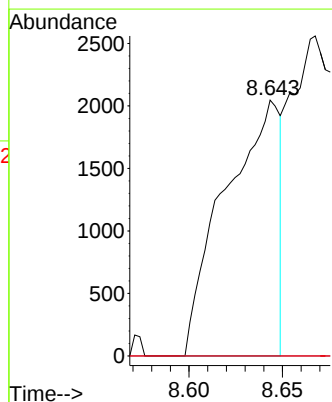
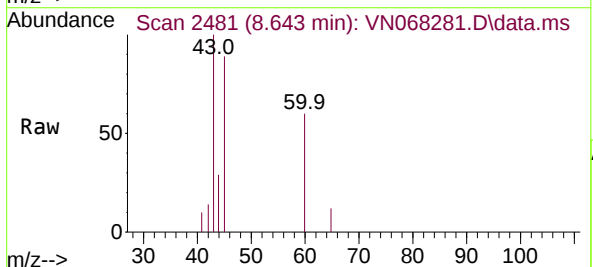
Instrument :
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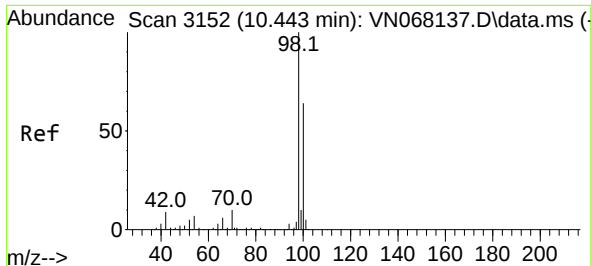
Tgt Ion:117 Resp: 43077
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.643 min Scan# 2481
Delta R.T. 0.077 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

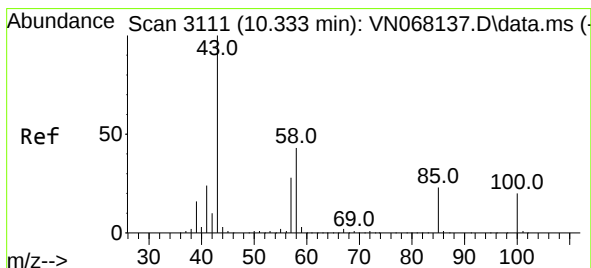
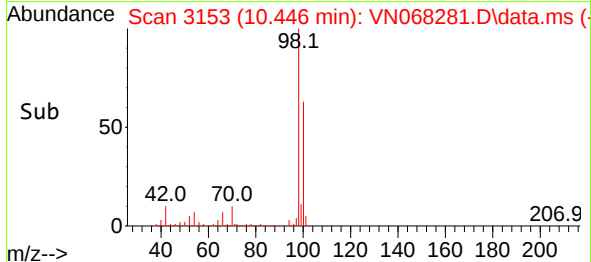
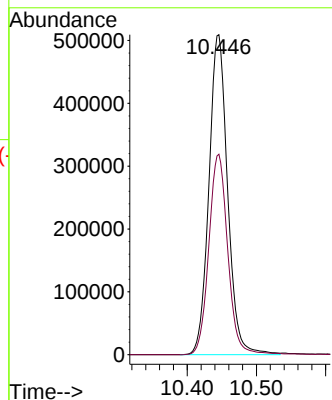
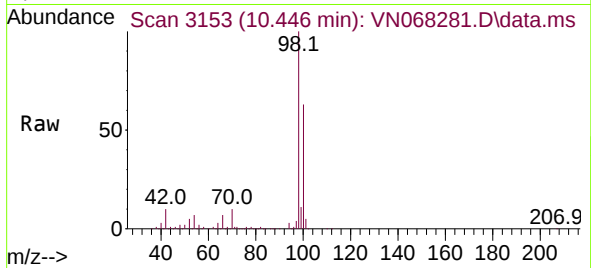




#50
Toluene-d8
Concen: 51.852 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

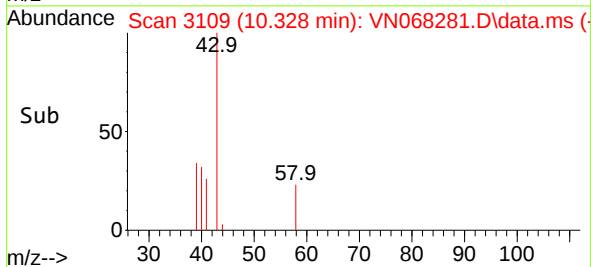
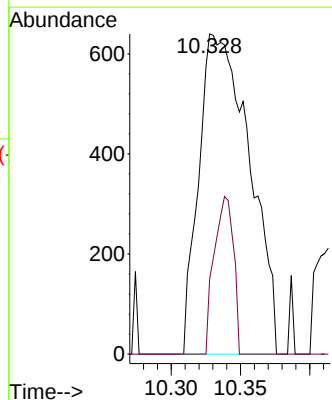
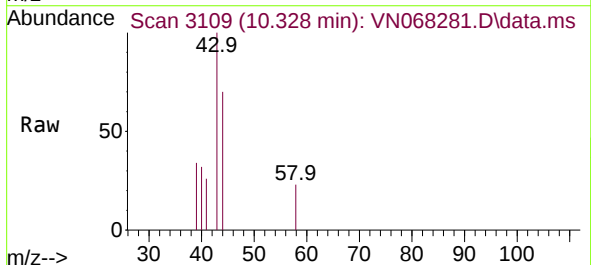
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

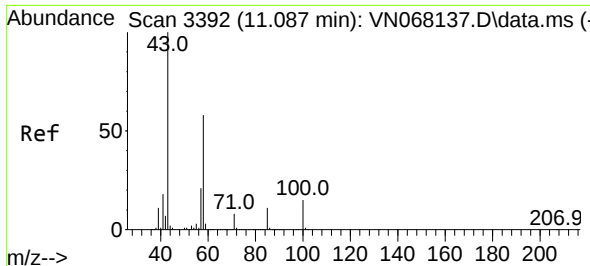
Tgt Ion: 98 Resp: 956087
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.307 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.005 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
58 18.8 28.6 43.0#

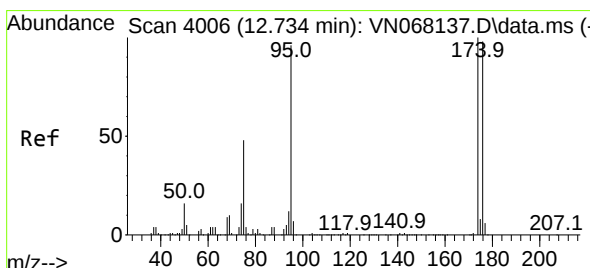
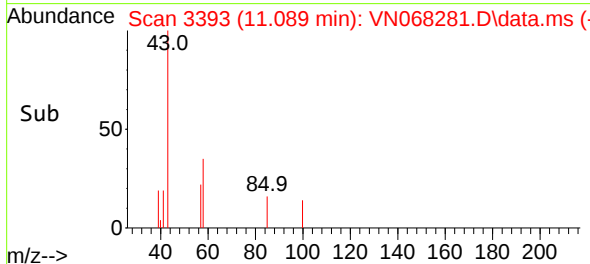
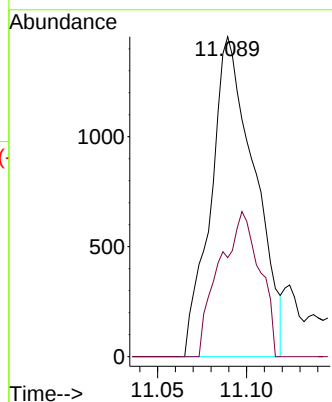
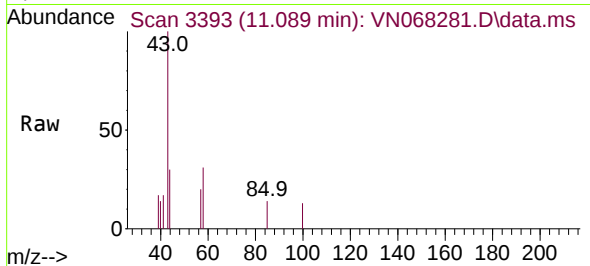




#59
2-Hexanone
Concen: 0.676 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

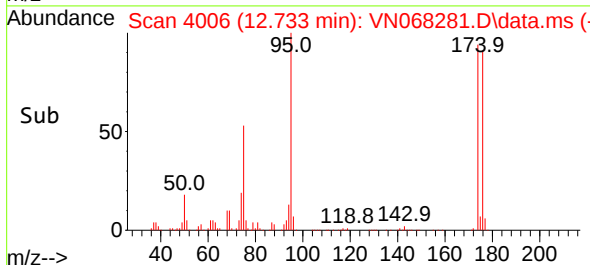
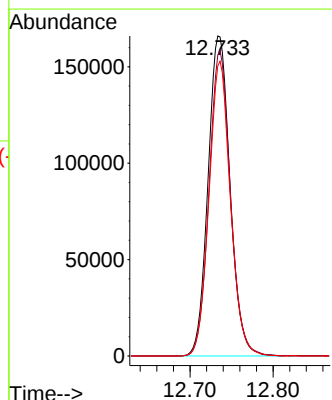
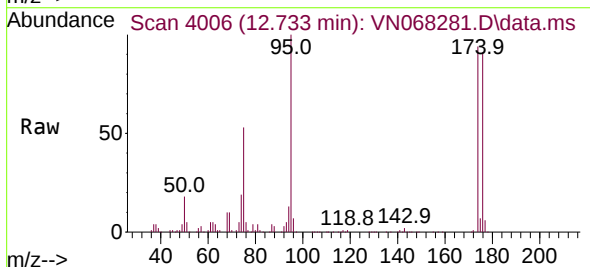
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

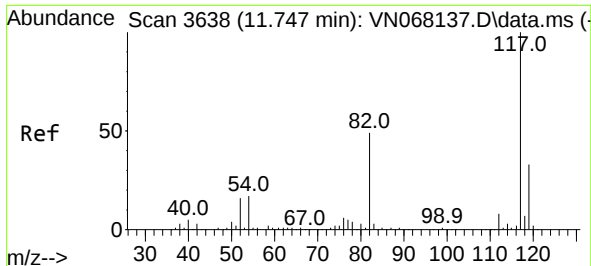
Tgt Ion: 43 Resp: 2481
Ion Ratio Lower Upper
43 100
58 41.8 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 49.557 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 95 Resp: 304187
Ion Ratio Lower Upper
95 100
174 93.4 0.0 122.0
176 89.9 0.0 117.6

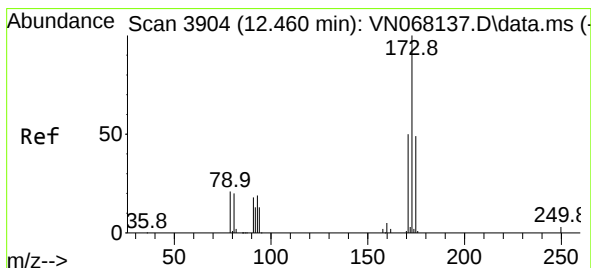
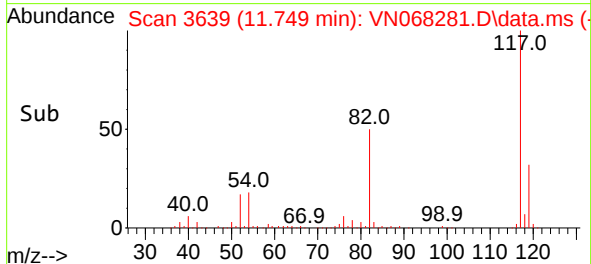
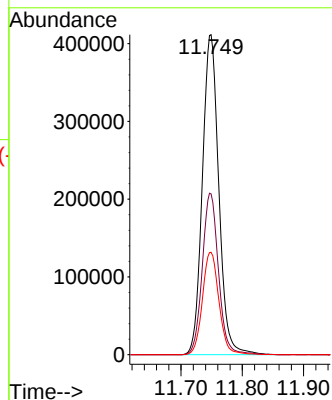
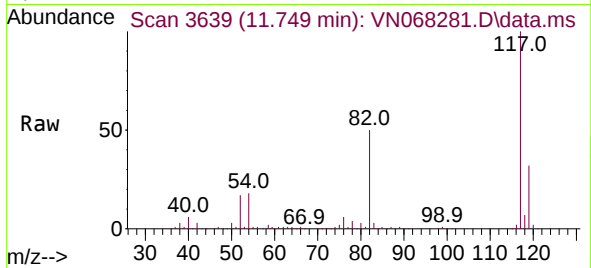




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

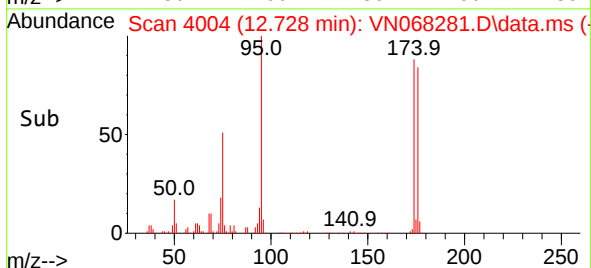
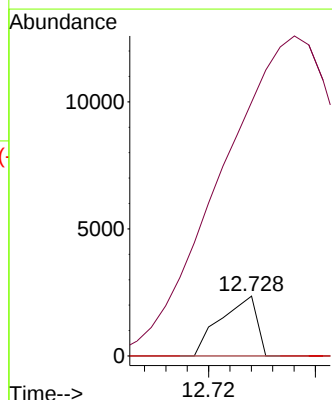
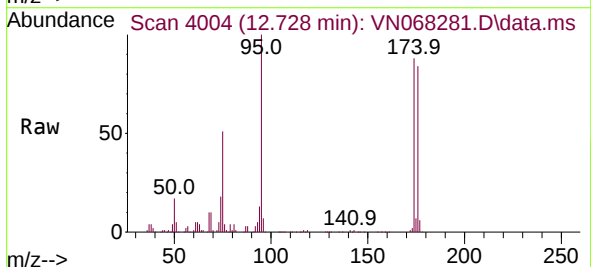
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

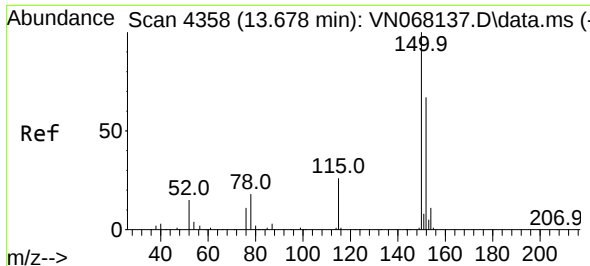
Tgt Ion:117 Resp: 767036
Ion Ratio Lower Upper
117 100
82 50.3 53.1 79.7#
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.234 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion:173 Resp: 1114
Ion Ratio Lower Upper
173 100
175 1800.0 23.9 71.8#
254 0.0 0.0 0.0

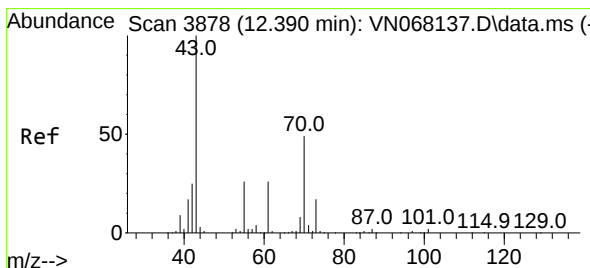
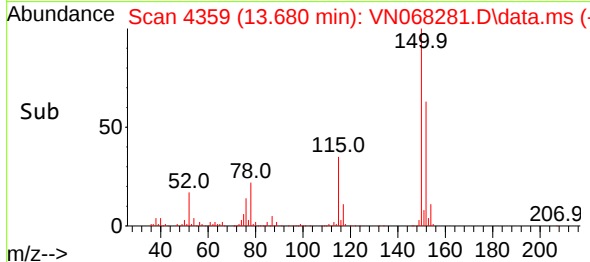
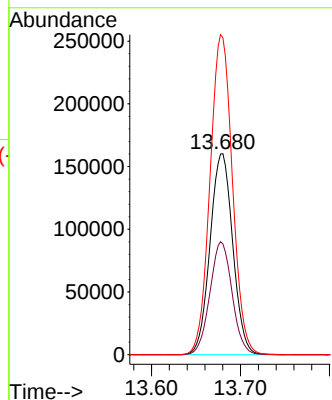
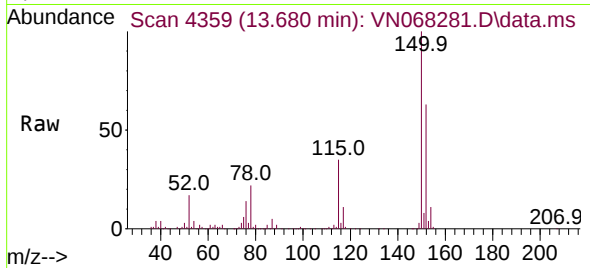




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

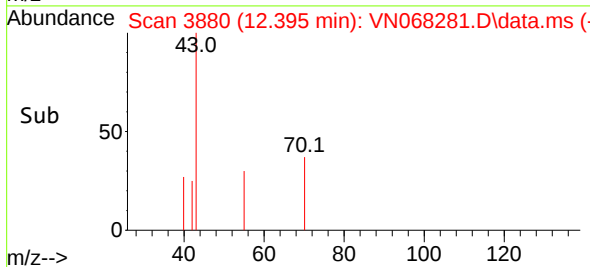
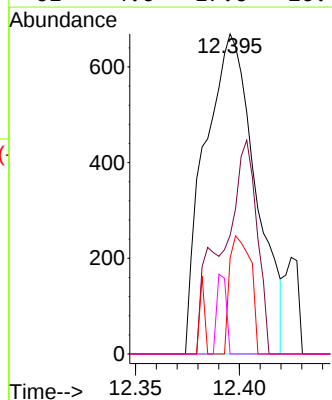
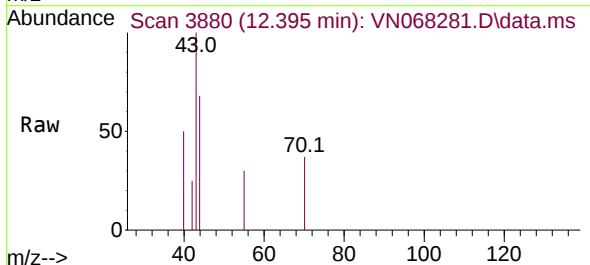
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

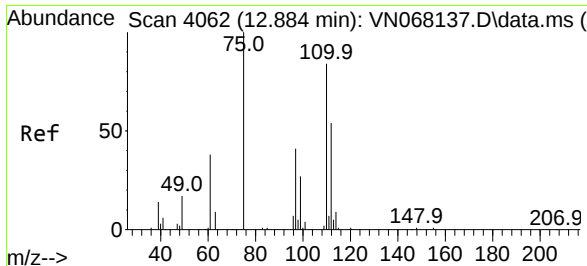
Tgt Ion:152 Resp: 284276
Ion Ratio Lower Upper
152 100
115 54.8 36.1 108.5
150 156.7 0.0 351.8



#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
70 45.4 29.4 44.2#
55 15.3 17.0 25.4#
61 4.6 17.6 26.4#

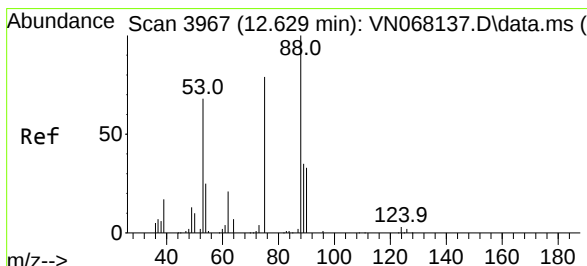
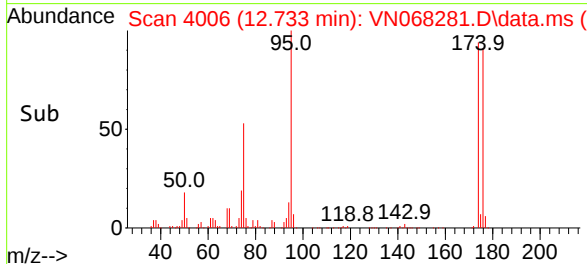
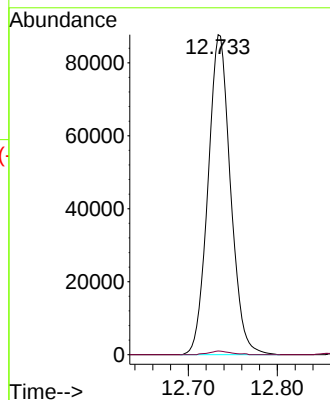
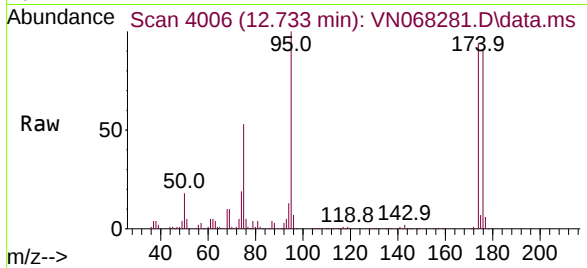




#76
1,2,3-Trichloropropane
Concen: 32.556 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

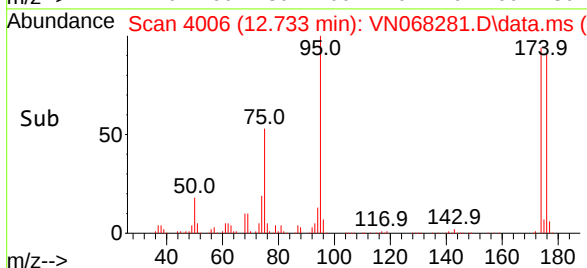
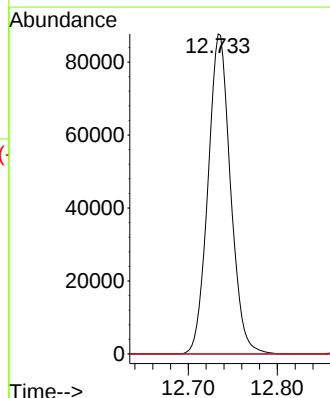
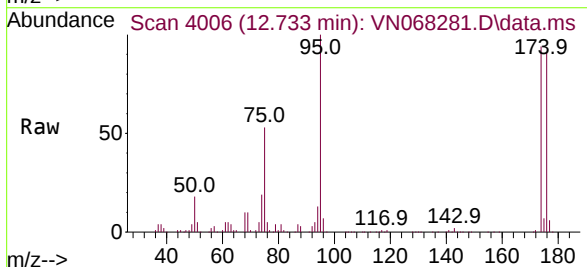
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

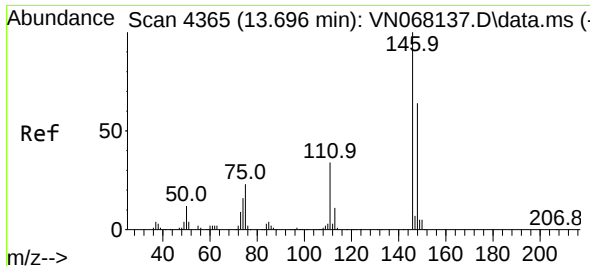
Tgt Ion: 75 Resp: 153826
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.659 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 75 Resp: 153826
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

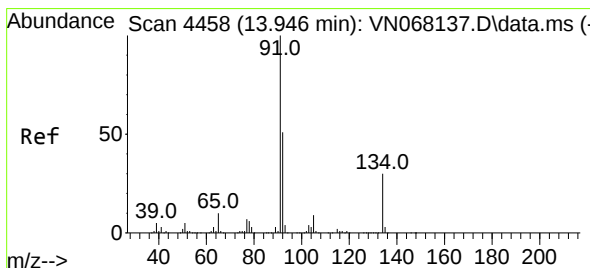
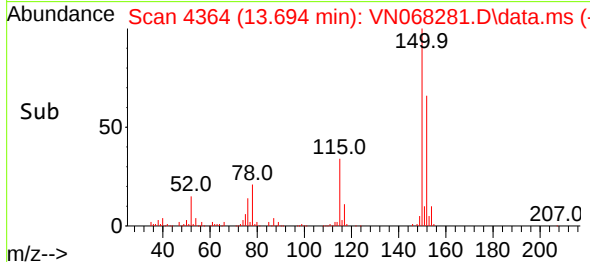
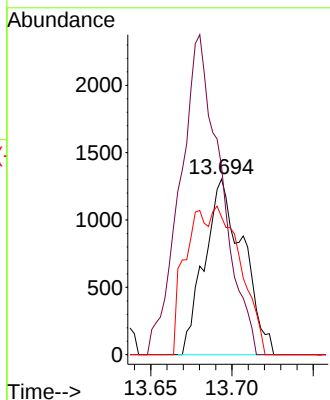
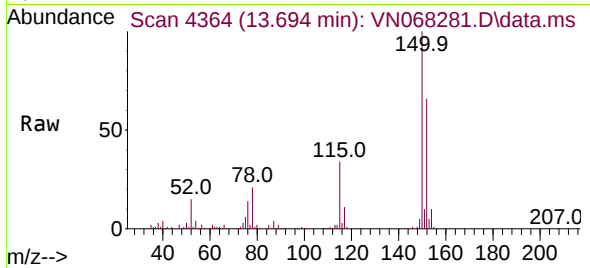




#88
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

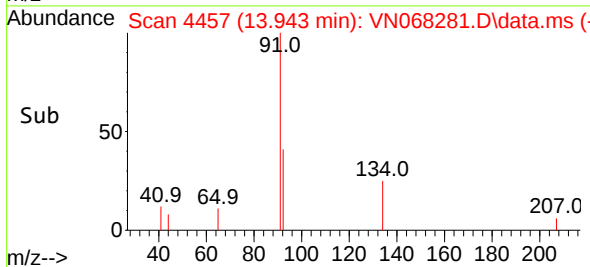
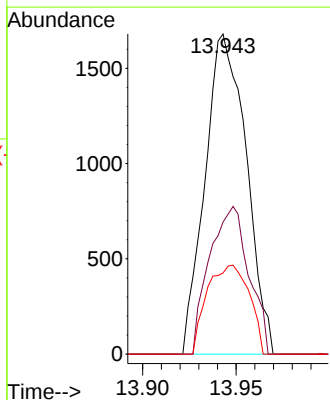
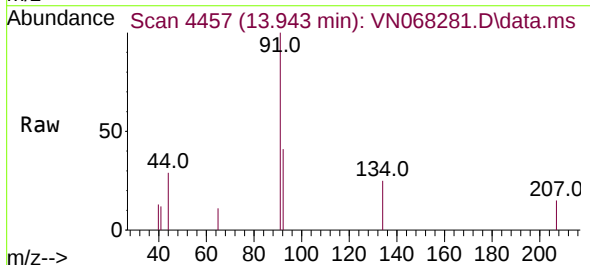
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

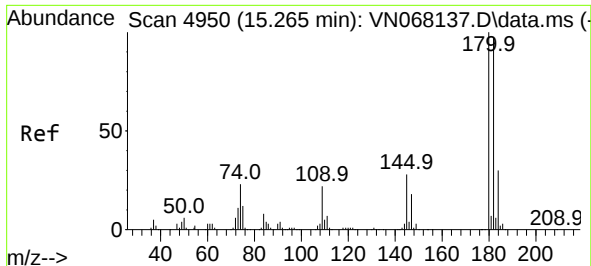
Tgt Ion:146 Resp: 2155
Ion Ratio Lower Upper
146 100
111 193.5 23.4 70.2#
148 52.1 31.8 95.3



#89
n-Butylbenzene
Concen: 0.219 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

Tgt Ion: 91 Resp: 2573
Ion Ratio Lower Upper
91 100
92 44.3 25.7 77.1
134 28.4 11.2 33.6

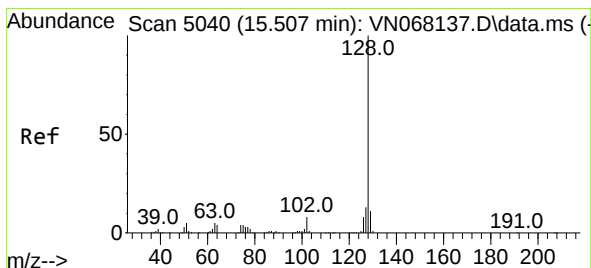
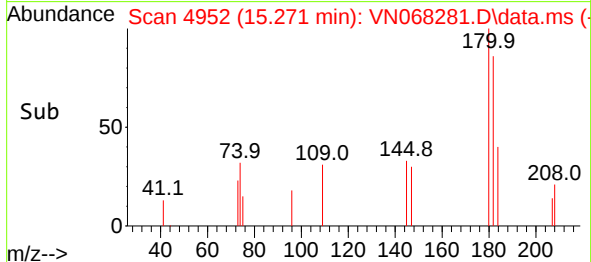
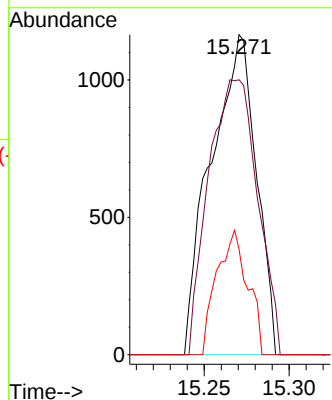
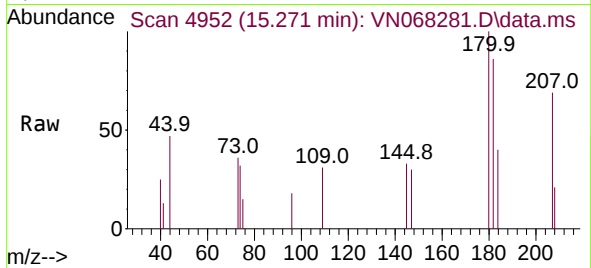




#93
1,2,4-Trichlorobenzene
Concen: 3.116 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

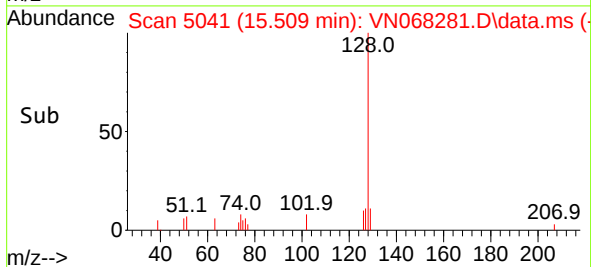
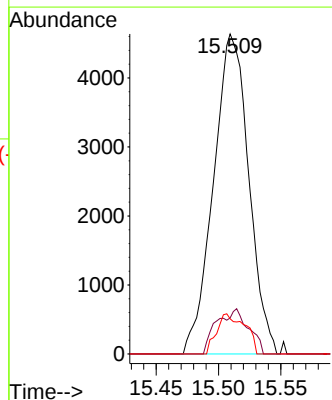
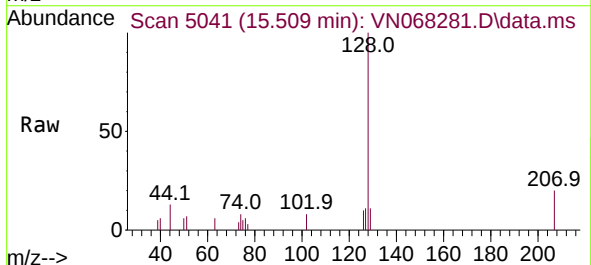
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL01

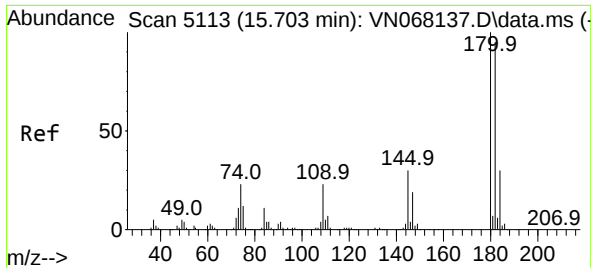
Tgt Ion:180 Resp: 2160
Ion Ratio Lower Upper
180 100
182 92.7 47.5 142.5
145 26.4 17.2 51.6



#95
Naphthalene
Concen: 4.108 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068281.D
Acq: 24 Aug 2021 11:58

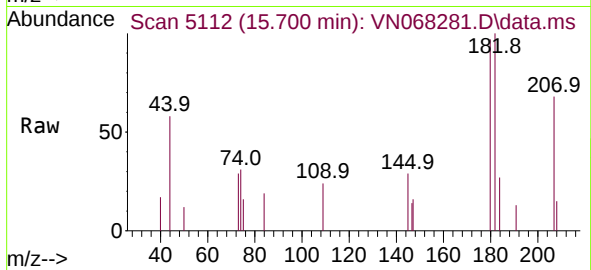
Tgt Ion:128 Resp: 9136
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.165 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068281.D
 Acq: 24 Aug 2021 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBL01



Tgt Ion:180 Resp: 1590
 Ion Ratio Lower Upper
 180 100
 182 173.5 47.8 143.3#
 145 25.2 18.2 54.6

