

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082421\
 Data File : VN068280.D
 Acq On : 24 Aug 2021 11:33
 Operator : JC/MD
 Sample : VN0824MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

Quant Time: Aug 25 03:09:34 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)

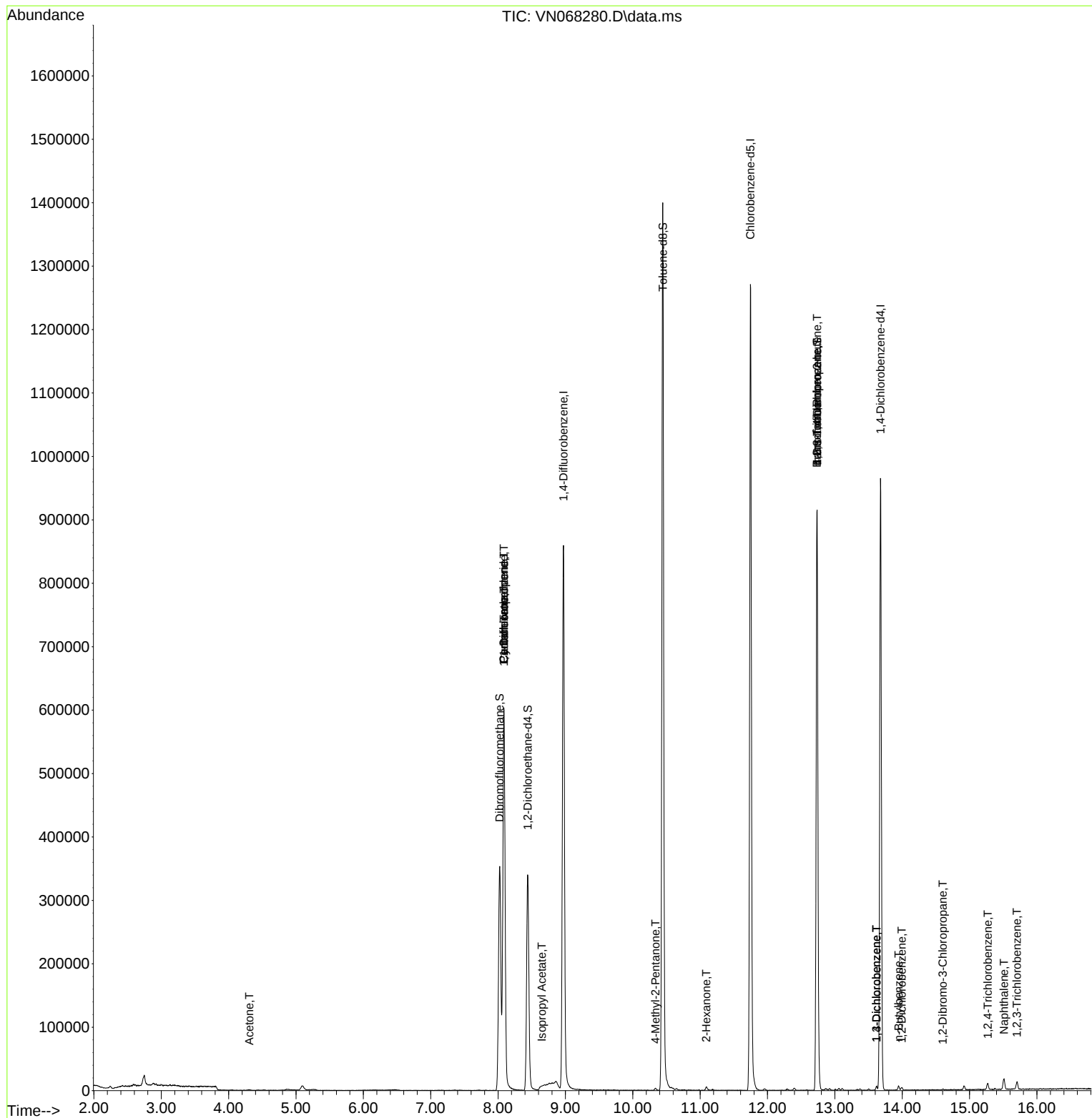
Internal Standards						
1) Pentafluorobenzene	8.086	168	501607	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	838027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	823106	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	292303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	290010	54.149	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 108.300%		
35) Dibromofluoromethane	8.024	113	263972	50.172	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 100.340%		
50) Toluene-d8	10.446	98	1047330	52.242	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.480%		
62) 4-Bromofluorobenzene	12.736	95	318425	47.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 95.420%		
Target Compounds						Qvalue
5) Bromomethane	2.875	94	1433	Below Cal		84
6) Chloroethane	2.757	64	56	Below Cal	#	3
13) Acrolein	4.049	56	287	Below Cal	#	37
16) Acetone	4.307	43	2161	1.382	ug/l	90
18) Methyl Acetate	4.862	43	2009	Below Cal		93
20) Methylene Chloride	5.087	84	2535	Below Cal	#	74
31) Cyclohexane	8.086	56	8981	1.273	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	32117	4.688	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	47187	5.972	ug/l	# 18
43) Isopropyl Acetate	8.649	43	6332	0.677	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.336	43	2743	0.478	ug/l	# 80
59) 2-Hexanone	11.092	43	4669	1.171	ug/l	94
71) Bromoform	12.734	173	2184	0.428	ug/l	# 1
76) 1,2,3-Trichloropropane	12.736	75	162580	33.464	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	162580	109.633	ug/l	# 6
87) 1,3-Dichlorobenzene	13.619	146	1991	0.204	ug/l	83
88) 1,4-Dichlorobenzene	13.619	146	1991	0.201	ug/l	84
89) n-Butylbenzene	13.946	91	4347	0.359	ug/l	92
91) 1,2-Dichlorobenzene	13.994	146	2386	0.257	ug/l	# 80
92) 1,2-Dibromo-3-Chloropr...	14.603	75	194	0.205	ug/l	# 53
93) 1,2,4-Trichlorobenzene	15.271	180	4349	3.529	ug/l	90
95) Naphthalene	15.512	128	17023	4.729	ug/l	98
96) 1,2,3-Trichlorobenzene	15.703	180	5176	3.886	ug/l	91

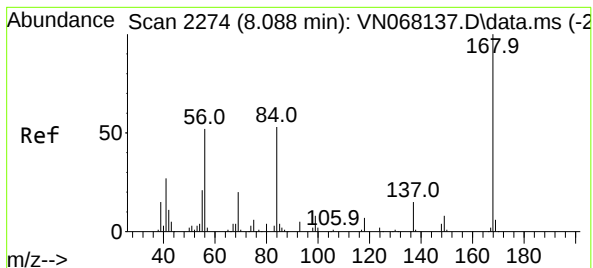
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Aug 25 03:09:34 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.002 min

Lab File: VN068280.D

Acq: 24 Aug 2021 11:33

Tgt Ion:168 Resp: 501607

Ion Ratio Lower Upper

168 100

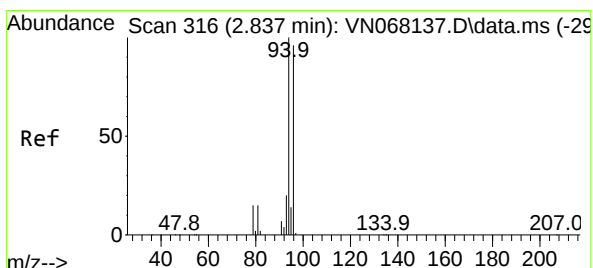
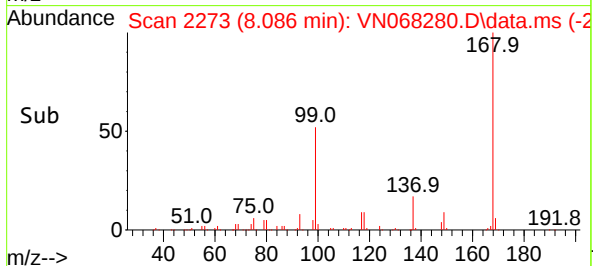
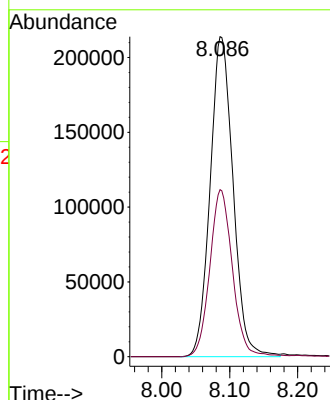
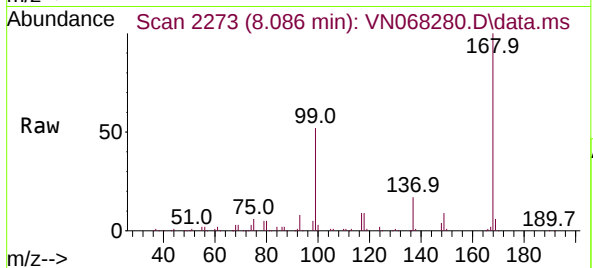
99 52.2 62.9 94.3#

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01



#5

Bromomethane

Concen: Below Cal

RT: 2.875 min Scan# 330

Delta R.T. 0.038 min

Lab File: VN068280.D

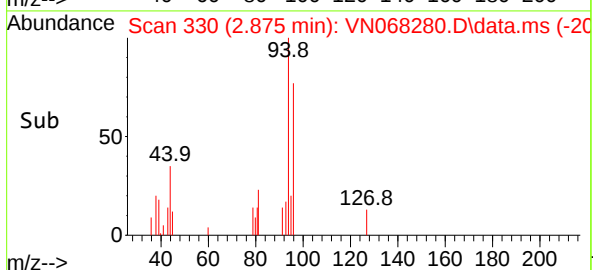
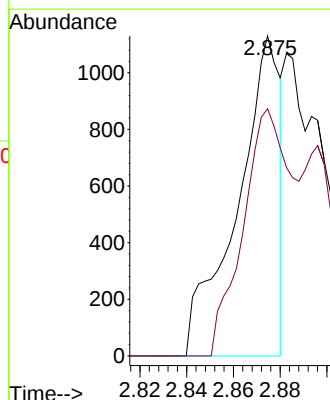
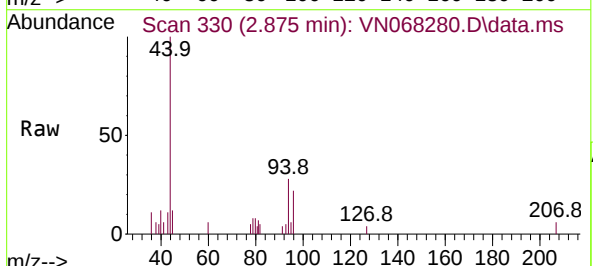
Acq: 24 Aug 2021 11:33

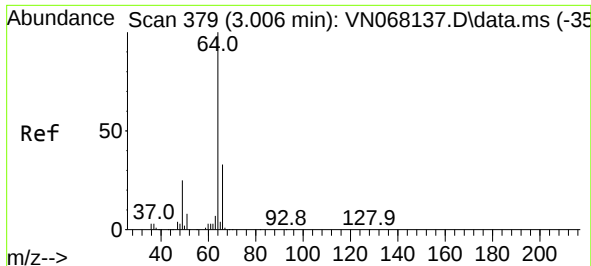
Tgt Ion: 94 Resp: 1433

Ion Ratio Lower Upper

94 100

96 77.3 73.7 110.5

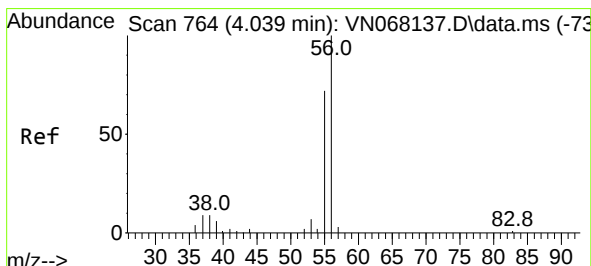
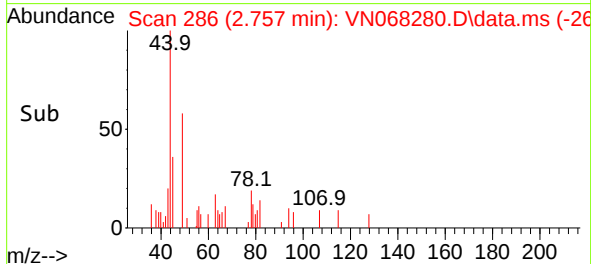
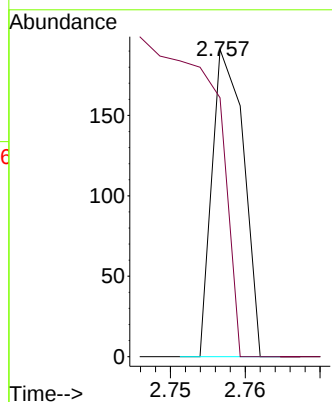
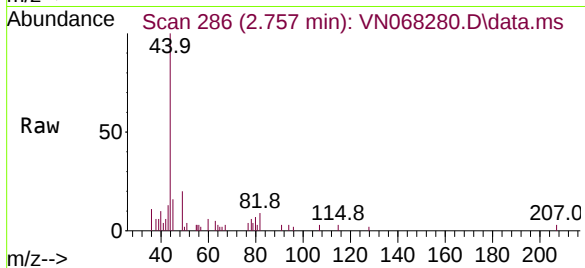




#6
Chloroethane
Concen: Below Cal
RT: 2.757 min Scan# 286
Delta R.T. -0.249 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

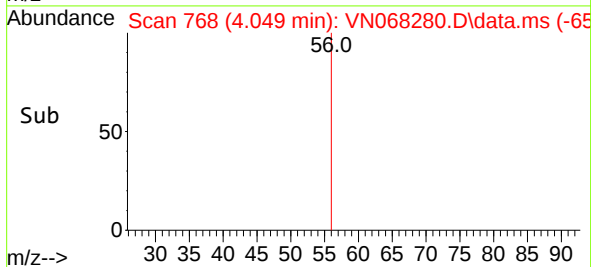
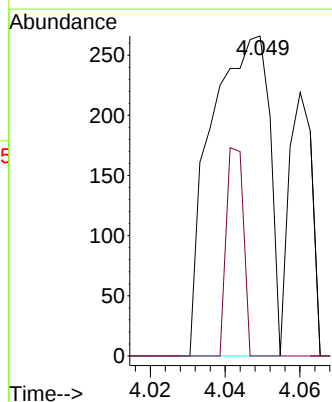
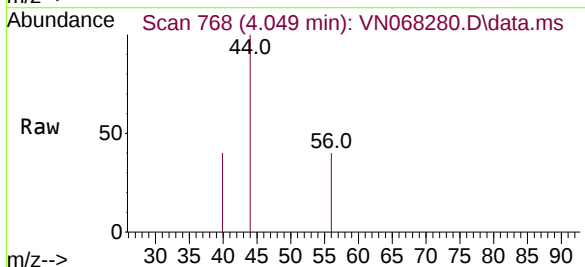
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 84.3 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 19.2 57.4 86.0#

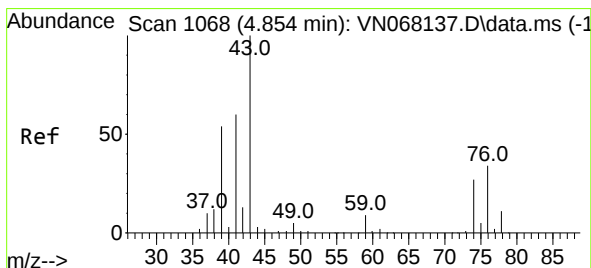
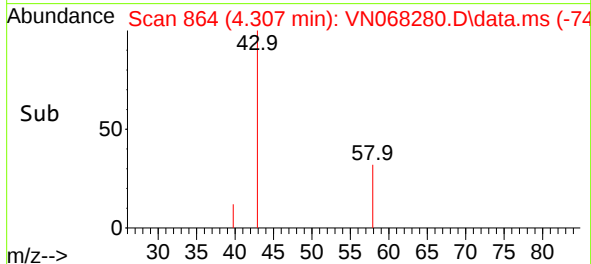
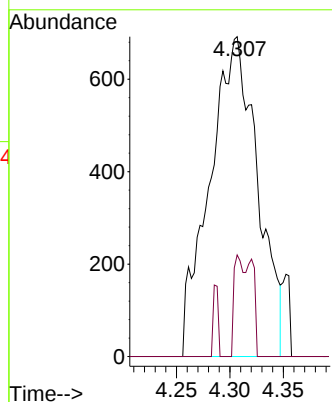
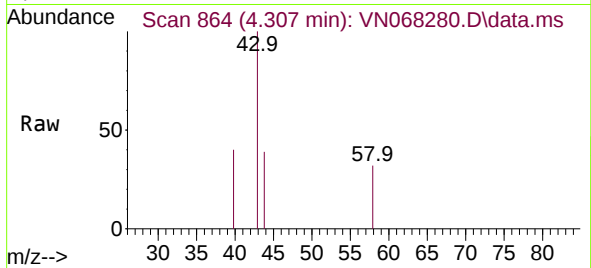




#16
Acetone
Concen: 1.382 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.019 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

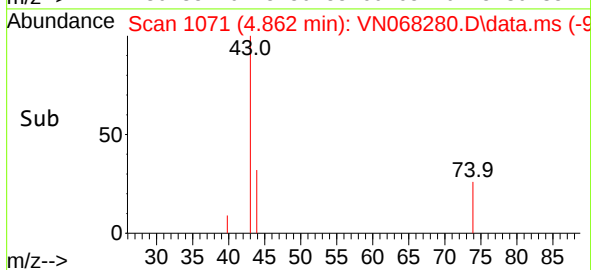
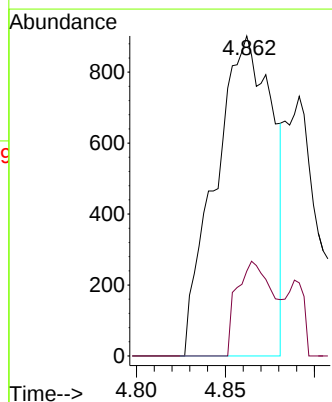
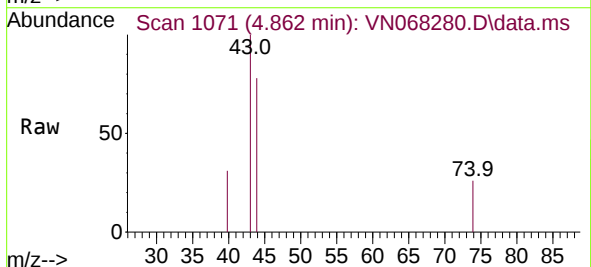
Instrument :
MSVOA_N
ClientSampled :
VN0824MBL01

Tgt Ion: 43 Resp: 2161
Ion Ratio Lower Upper
43 100
58 31.8 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
74 18.4 17.4 26.0

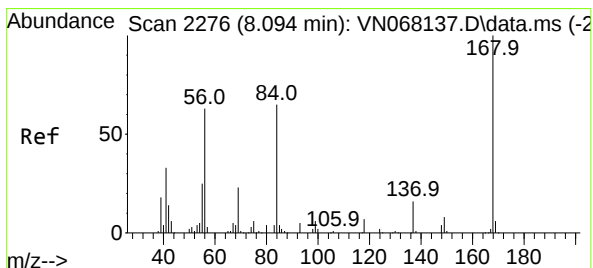
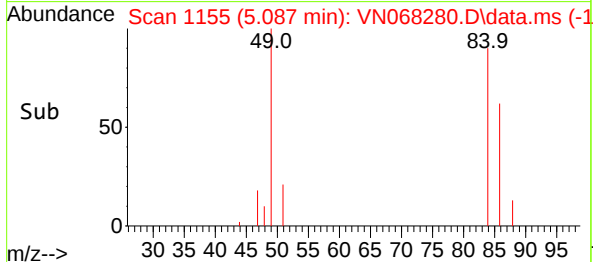
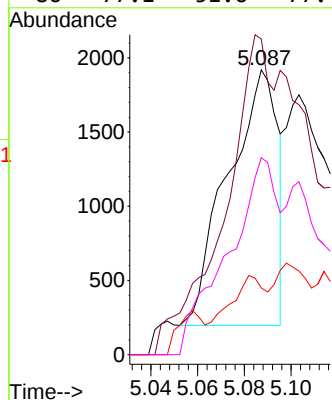
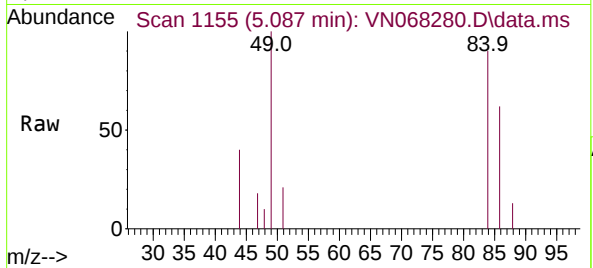




#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.006 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

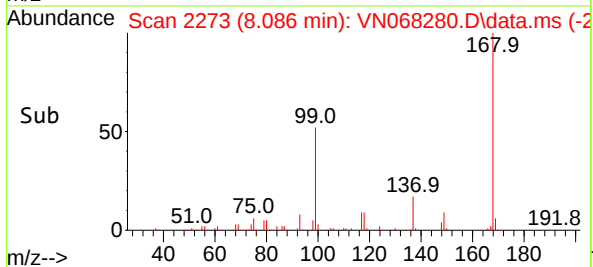
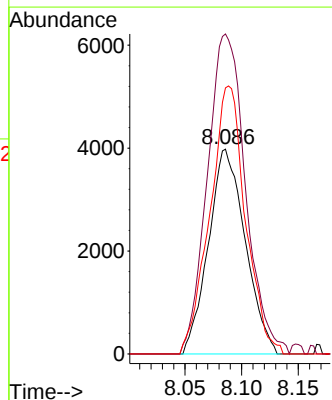
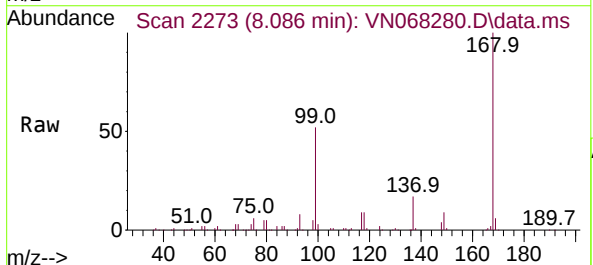
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

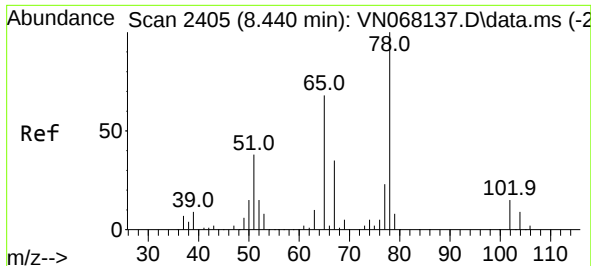
Tgt Ion:	84	Resp:	2535
Ion	Ratio	Lower	Upper
84	100		
49	107.1	110.9	166.3#
51	14.6	32.6	49.0#
86	77.1	51.6	77.4



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion:	56	Resp:	8981
Ion	Ratio	Lower	Upper
56	100		
69	156.3	27.3	40.9#
84	130.0	64.9	97.3#





#33

1,2-Dichloroethane-d4

Concen: 54.149 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068280.D

Acq: 24 Aug 2021 11:33

Tgt Ion: 65 Resp: 290010

Ion Ratio Lower Upper

65 100

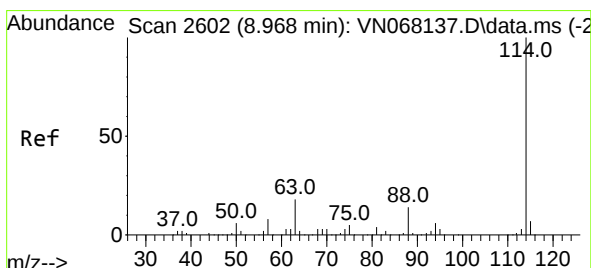
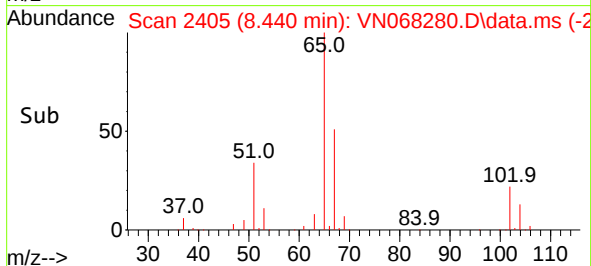
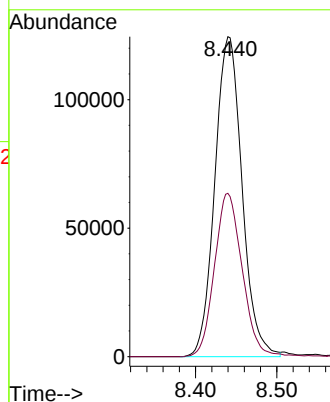
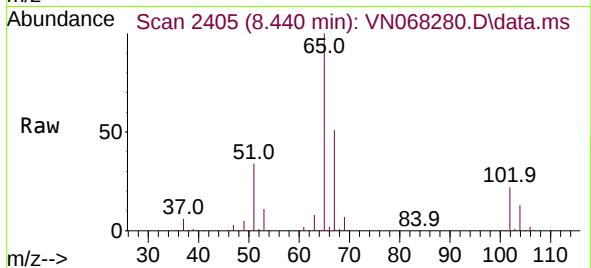
67 51.7 0.0 98.6

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068280.D

Acq: 24 Aug 2021 11:33

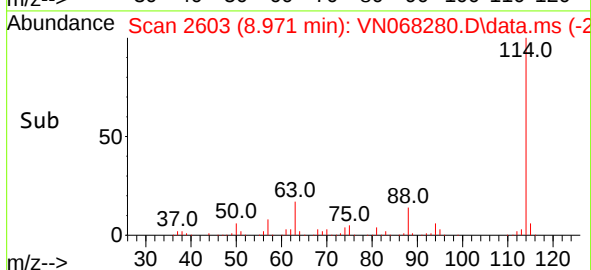
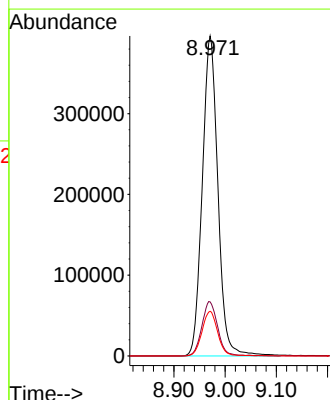
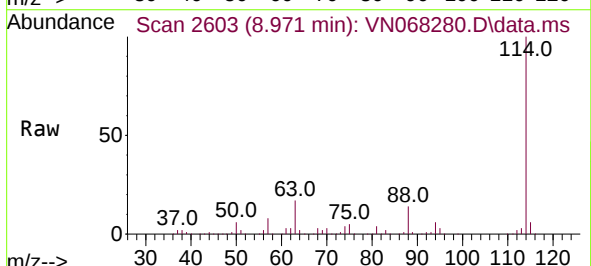
Tgt Ion: 114 Resp: 838027

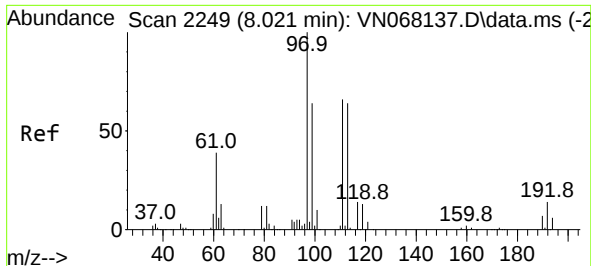
Ion Ratio Lower Upper

114 100

63 16.9 0.0 49.0

88 14.0 0.0 36.6

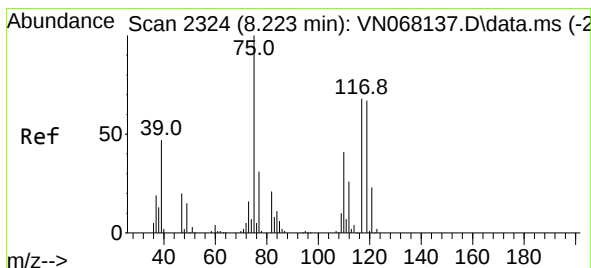
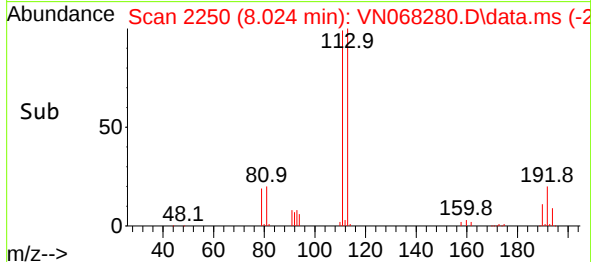
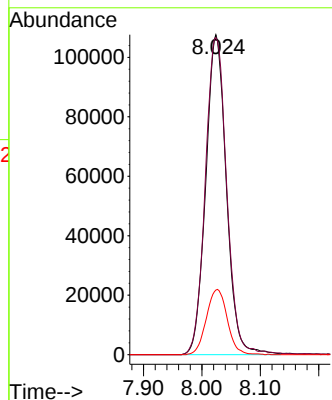
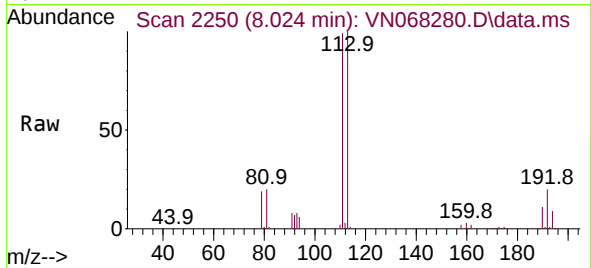




#35
Dibromofluoromethane
Concen: 50.172 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

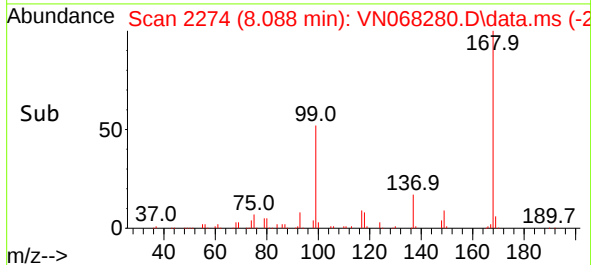
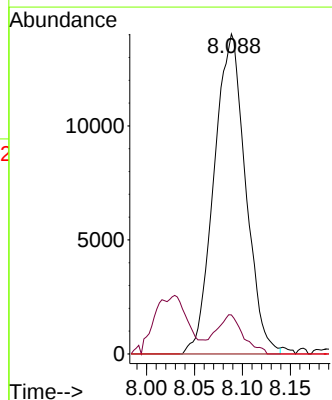
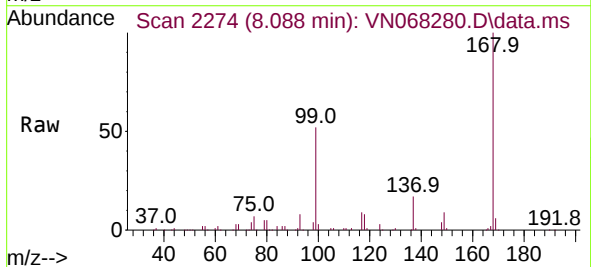
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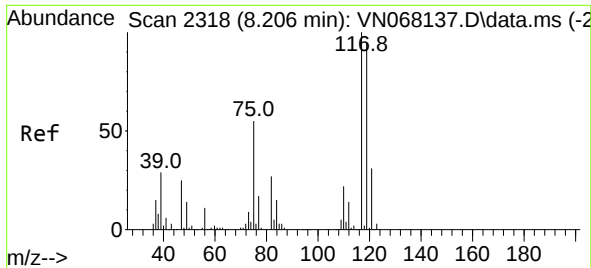
Tgt Ion:113 Resp: 263972
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 75 Resp: 32117
Ion Ratio Lower Upper
75 100
110 10.4 15.7 47.0#
77 0.0 24.6 37.0#

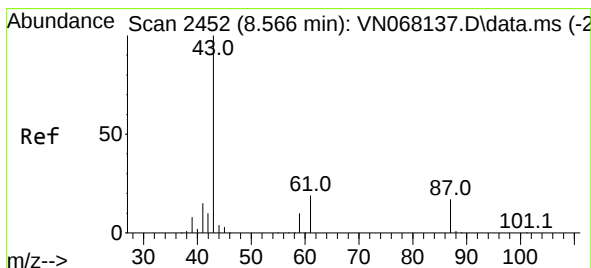
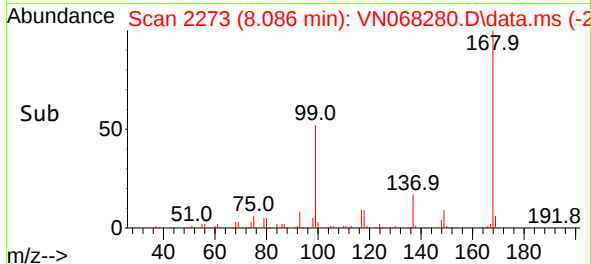
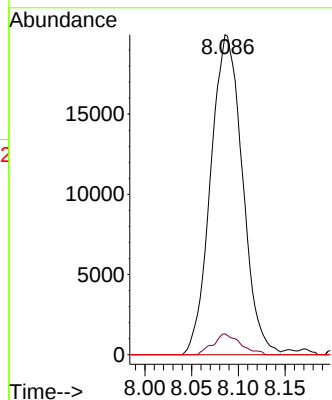
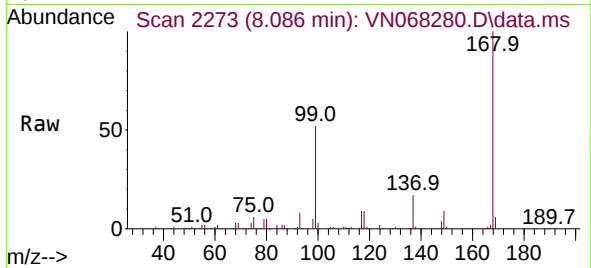




#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

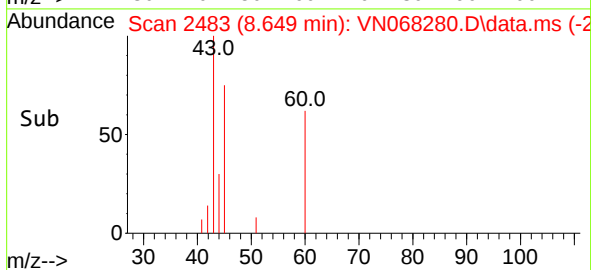
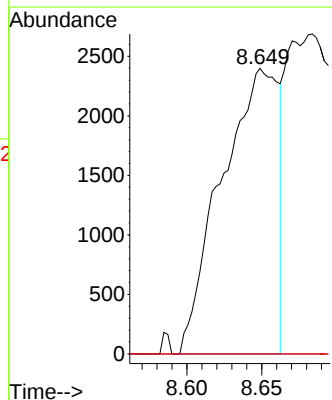
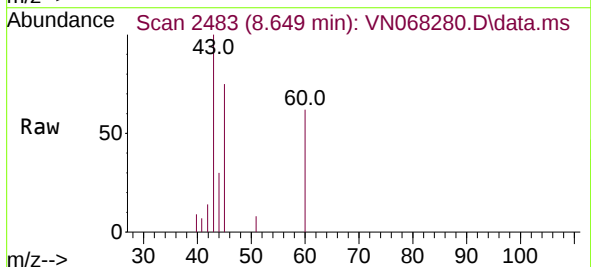
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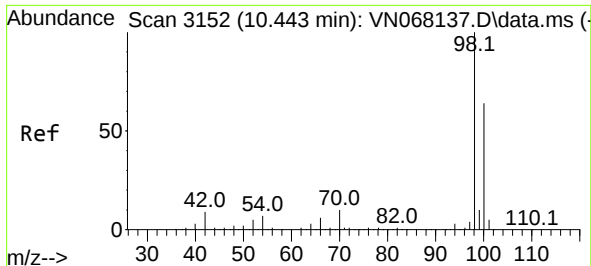
Tgt Ion:117 Resp: 47187
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.677 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.083 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 43 Resp: 6332
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

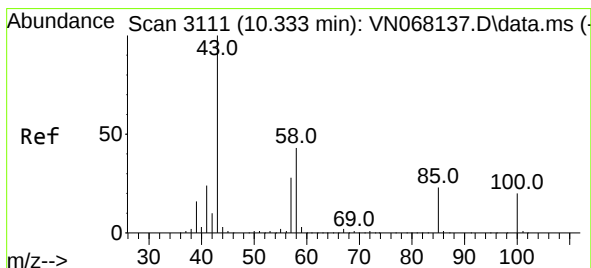
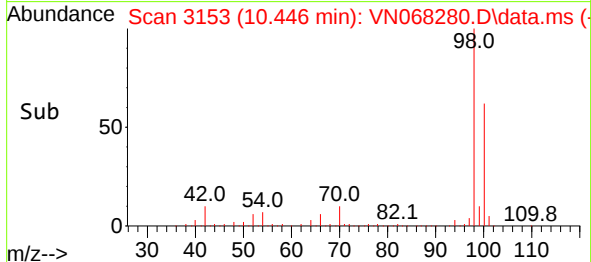
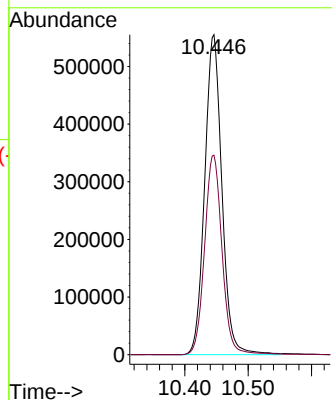
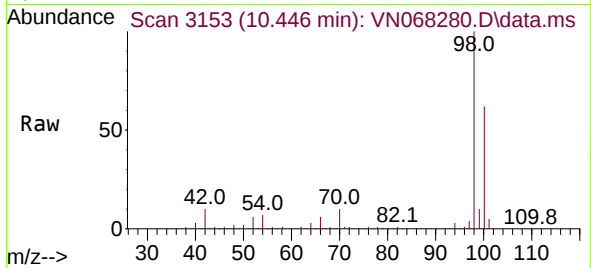




#50
Toluene-d8
Concen: 52.242 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

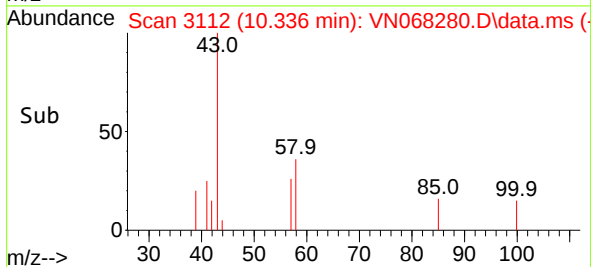
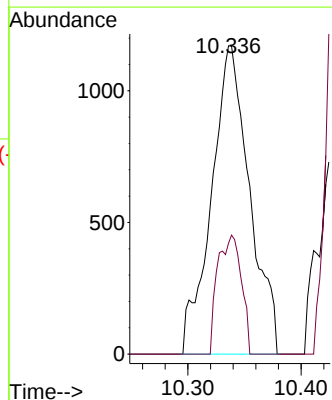
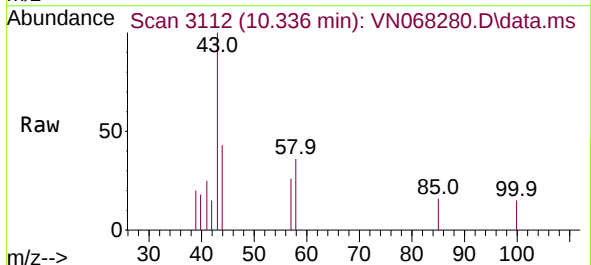
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

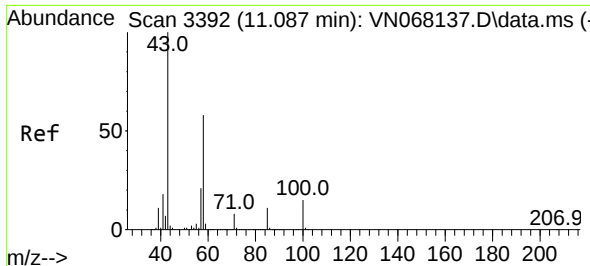
Tgt Ion: 98 Resp: 1047330
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 43 Resp: 2743
Ion Ratio Lower Upper
43 100
58 23.8 28.6 43.0#

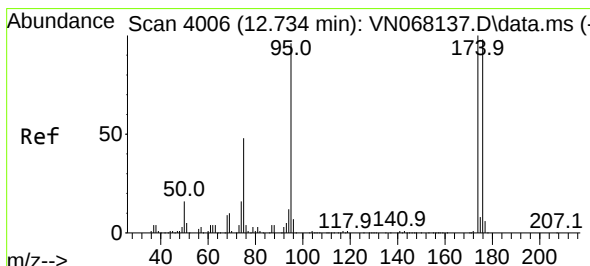
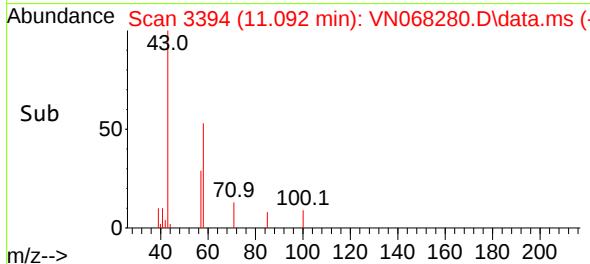
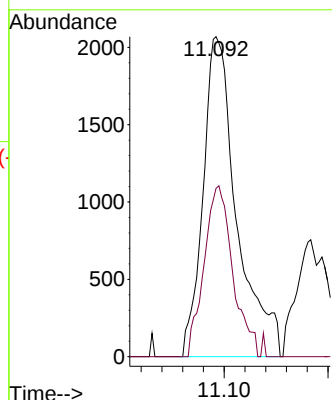
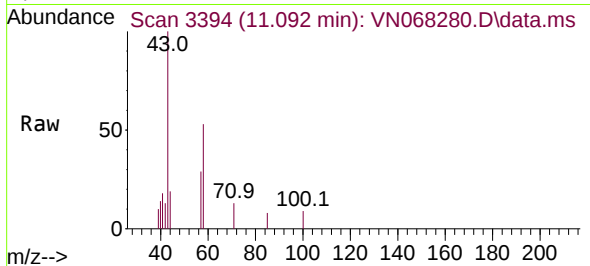




#59
2-Hexanone
Concen: 1.171 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

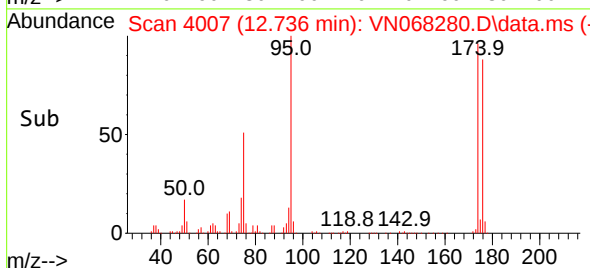
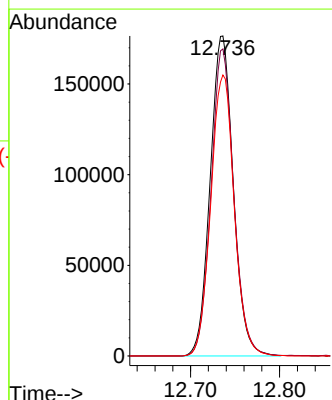
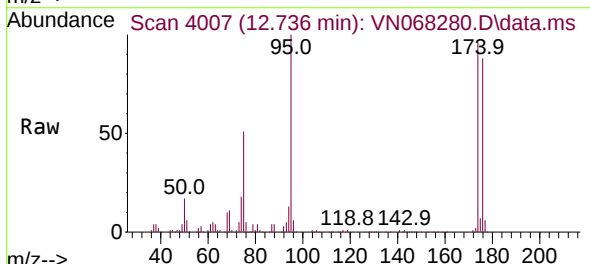
Instrument :
MSVOA_N
ClientSampled :
VN0824MBL01

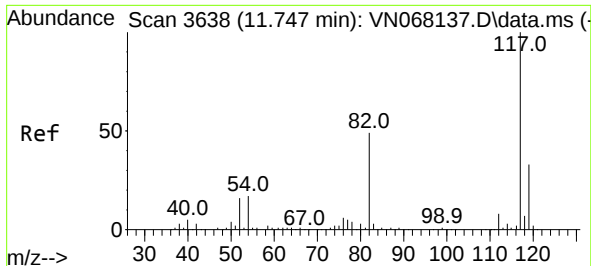
Tgt Ion: 43 Resp: 4669
Ion Ratio Lower Upper
43 100
58 45.4 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 47.713 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 95 Resp: 318425
Ion Ratio Lower Upper
95 100
174 94.4 0.0 122.0
176 89.4 0.0 117.6

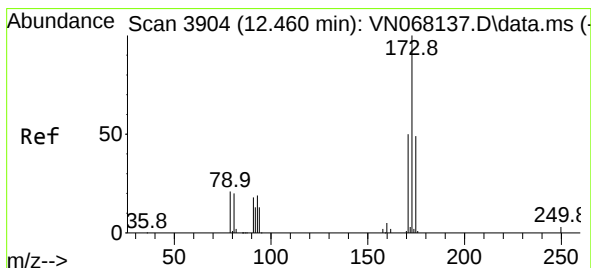
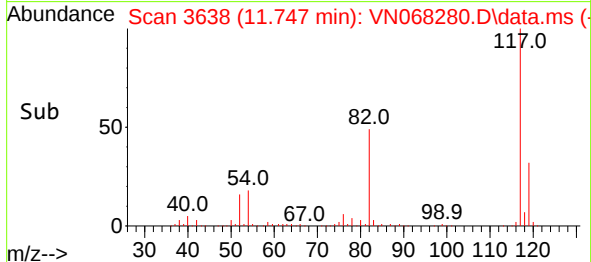
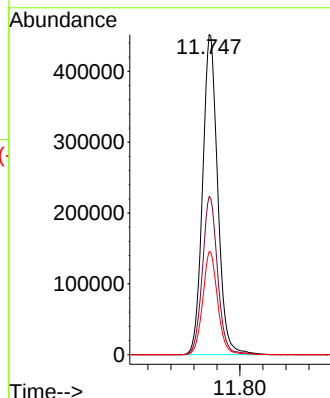
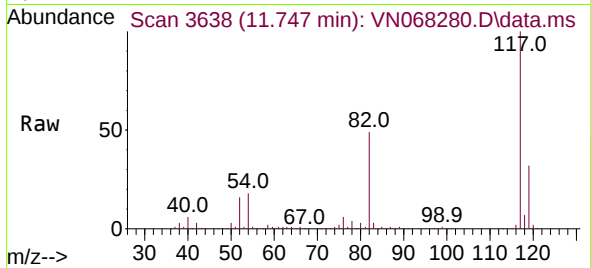




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

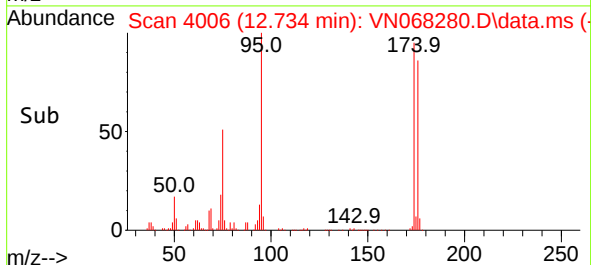
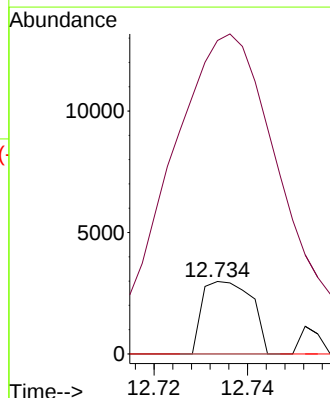
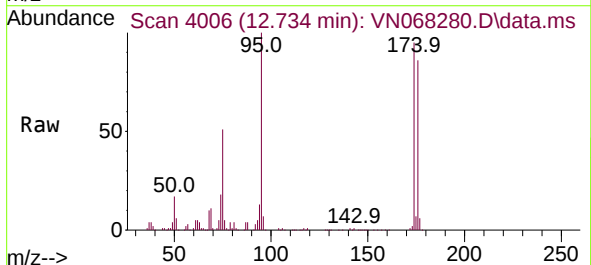
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

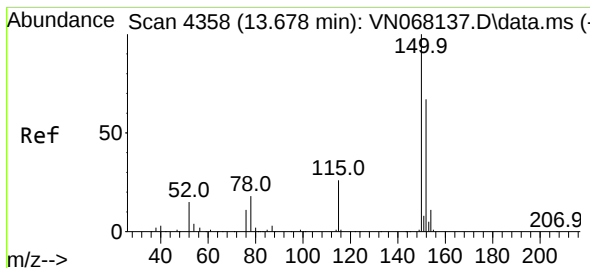
Tgt Ion:117 Resp: 823106
Ion Ratio Lower Upper
117 100
82 49.4 53.1 79.7#
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.428 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion:173 Resp: 2184
Ion Ratio Lower Upper
173 100
175 933.6 23.9 71.8#
254 0.0 0.0 0.0



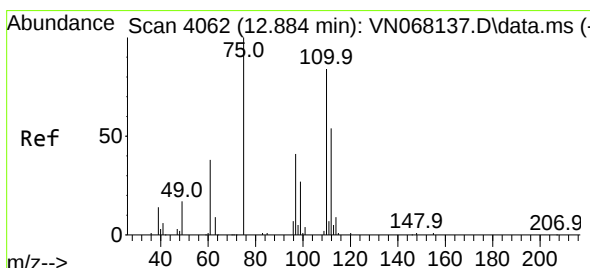
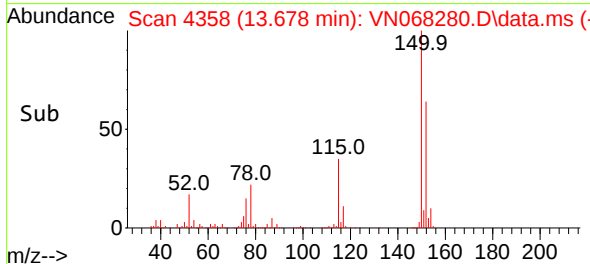
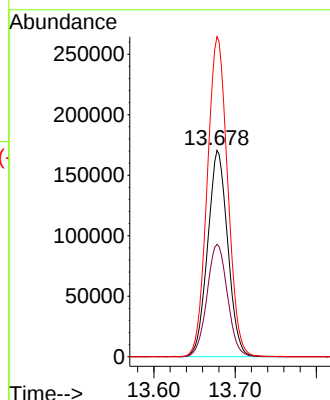
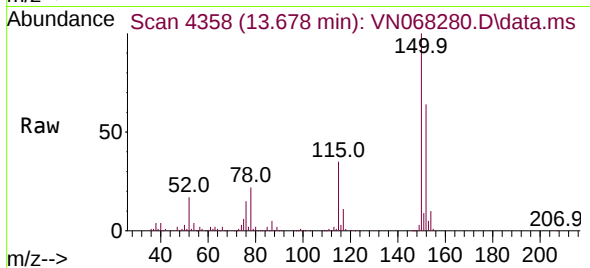


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

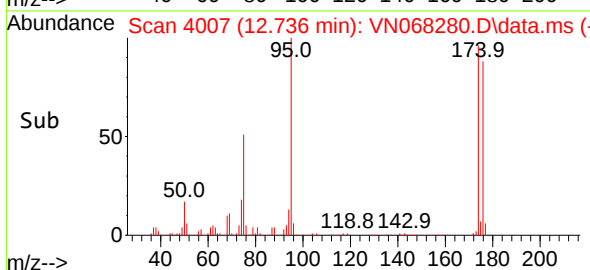
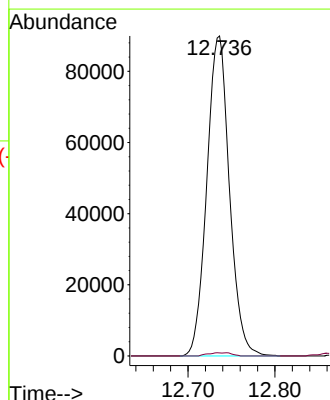
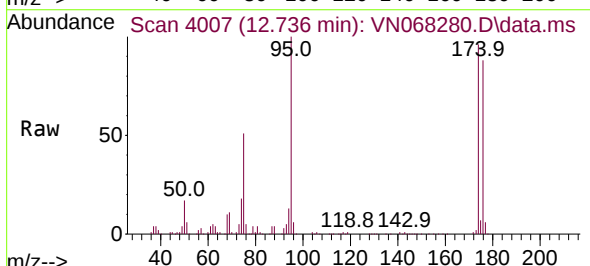
Tgt Ion:152 Resp: 292303
Ion Ratio Lower Upper
152 100
115 55.6 36.1 108.5
150 157.7 0.0 351.8

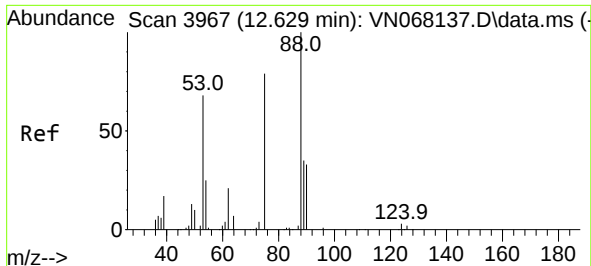


#76

1,2,3-Trichloropropane
Concen: 33.464 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 75 Resp: 162580
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#

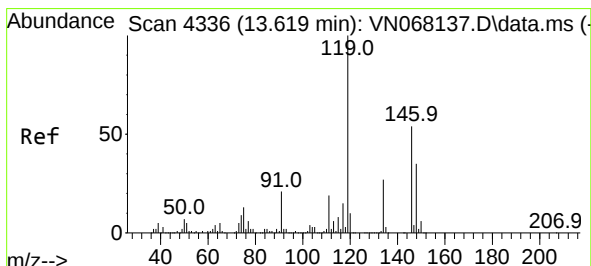
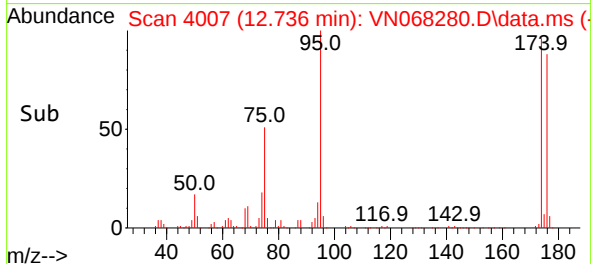
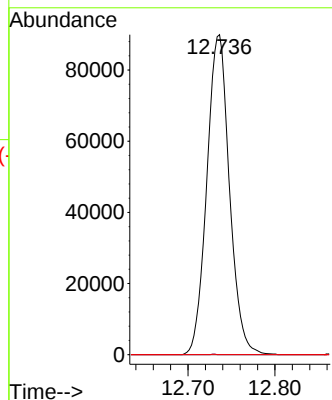
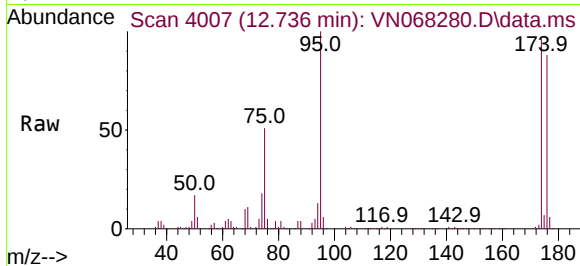




#81
trans-1,4-Dichloro-2-butene
Concen: 109.633 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

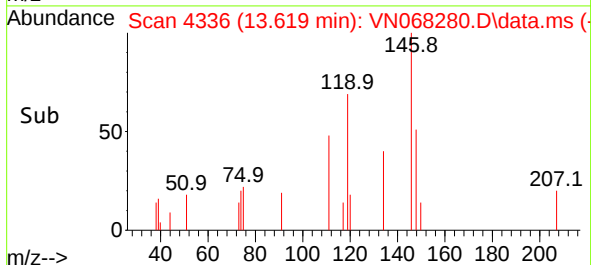
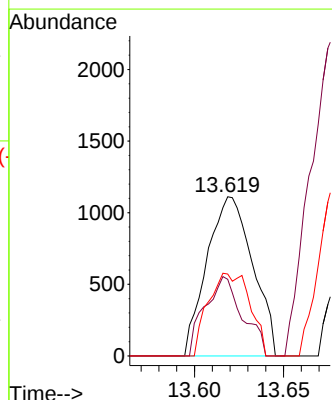
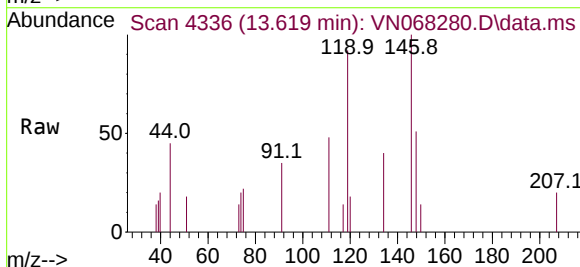
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

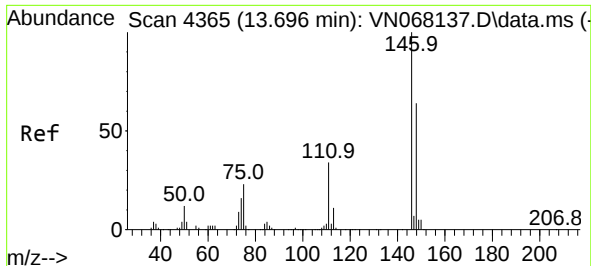
Tgt Ion: 75 Resp: 162580
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion:146 Resp: 1991
Ion Ratio Lower Upper
146 100
111 40.9 24.3 72.8
148 47.2 32.0 96.0

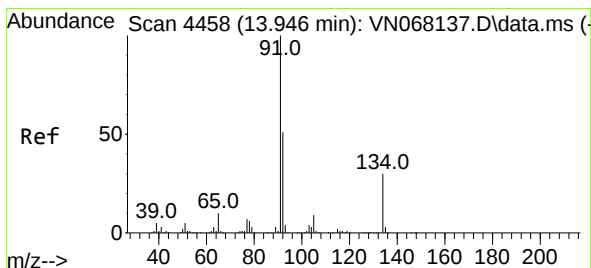
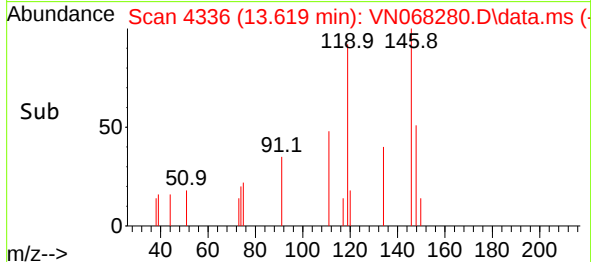
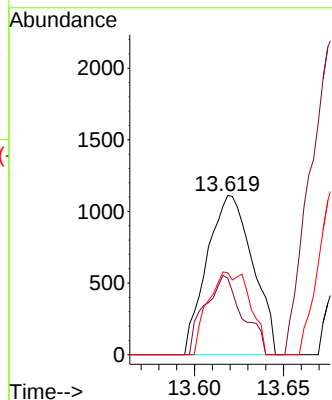
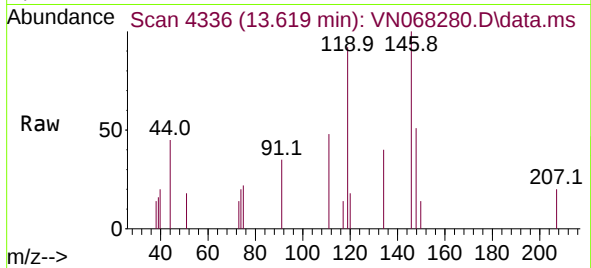




#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.077 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

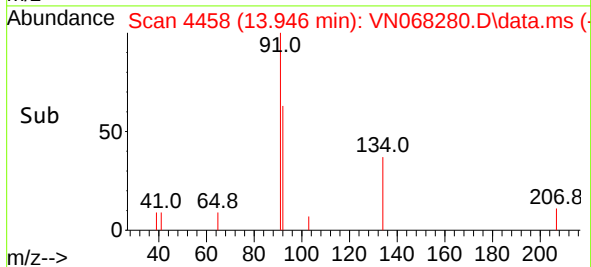
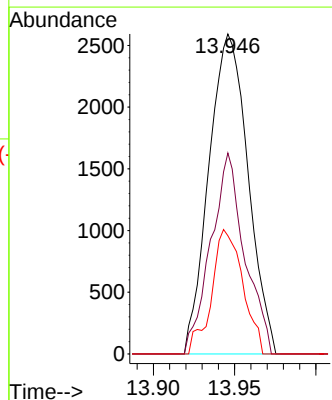
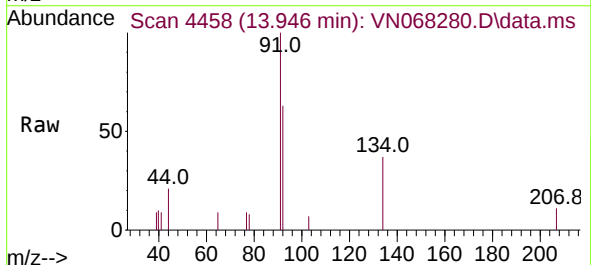
Instrument :
MSVOA_N
ClientSampled :
VN0824MBL01

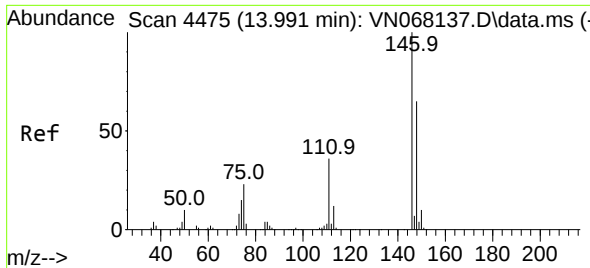
Tgt Ion:146 Resp: 1991
Ion Ratio Lower Upper
146 100
111 40.9 23.4 70.2
148 47.2 31.8 95.3



#89
n-Butylbenzene
Concen: 0.359 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 91 Resp: 4347
Ion Ratio Lower Upper
91 100
92 54.2 25.7 77.1
134 30.9 11.2 33.6

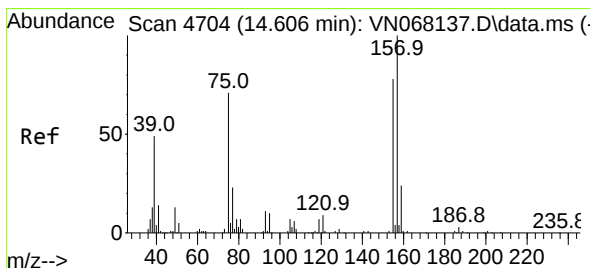
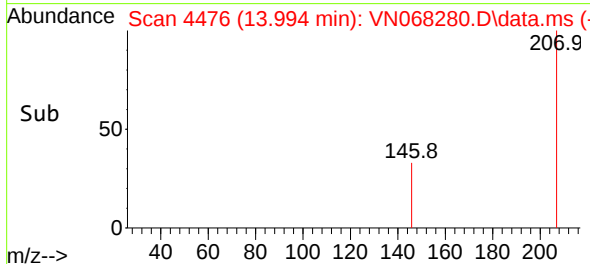
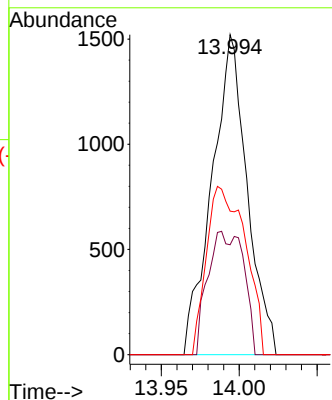
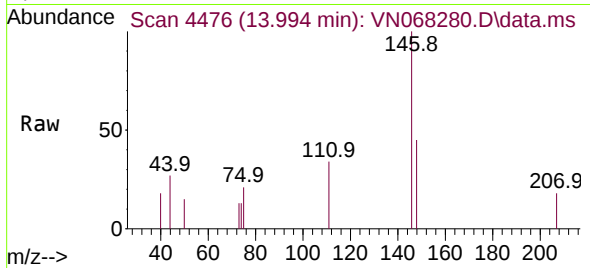




#91
1,2-Dichlorobenzene
Concen: 0.257 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

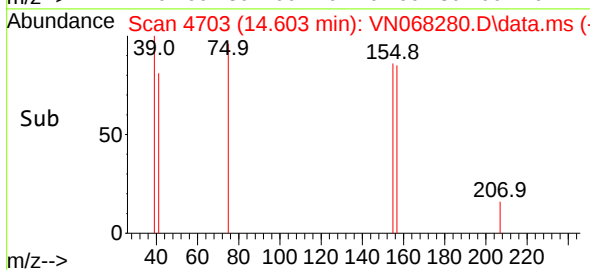
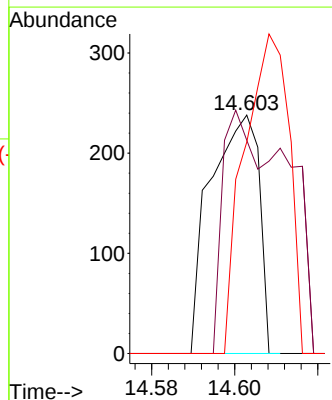
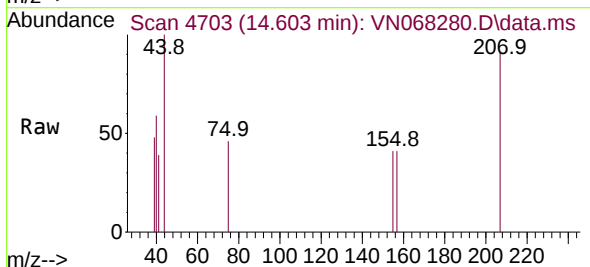
Instrument :
MSVOA_N
ClientSampled :
VN0824MBL01

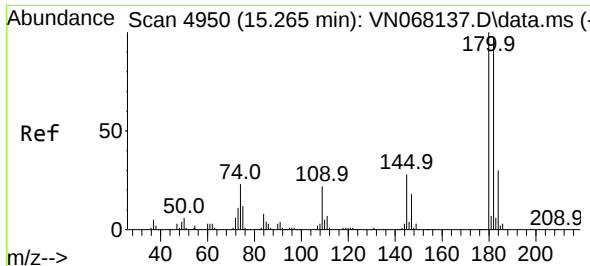
Tgt Ion:146 Resp: 2386
Ion Ratio Lower Upper
146 100
111 24.7 24.9 74.6#
148 58.2 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.205 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.003 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion: 75 Resp: 194
Ion Ratio Lower Upper
75 100
155 86.6 29.8 89.5
157 122.7 37.6 112.8#

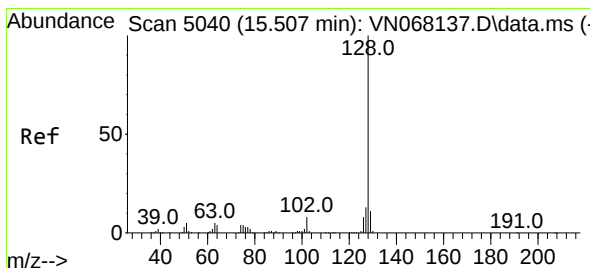
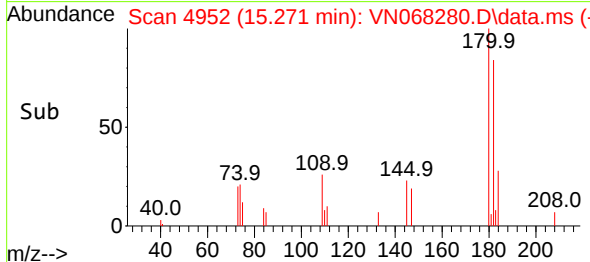
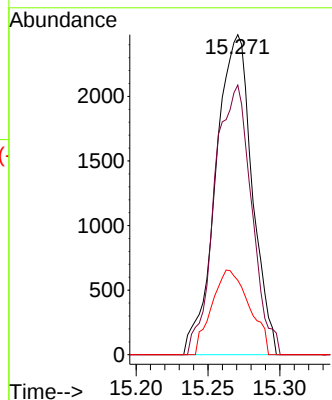
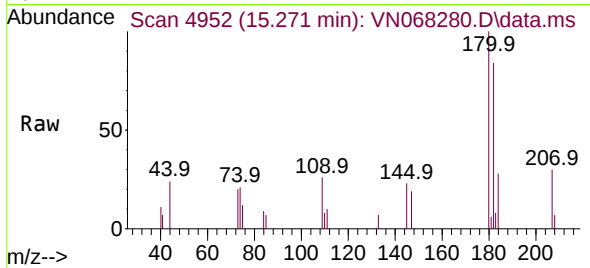




#93
1,2,4-Trichlorobenzene
Concen: 3.529 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

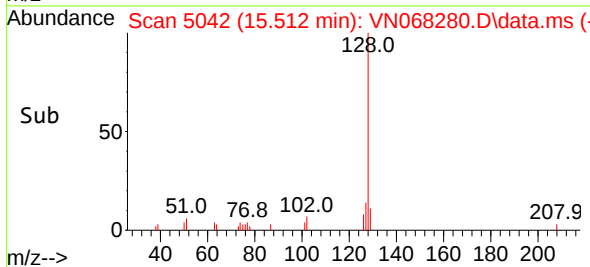
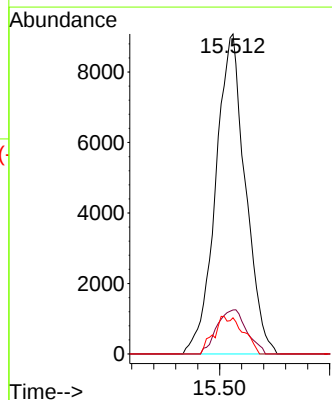
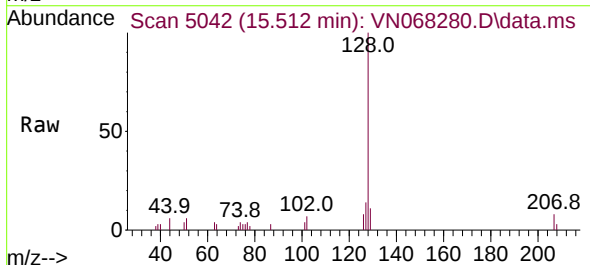
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

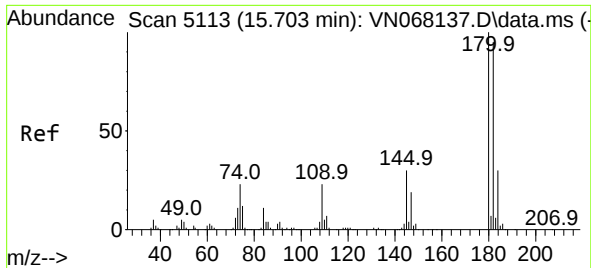
Tgt Ion:180 Resp: 4349
Ion Ratio Lower Upper
180 100
182 85.8 47.5 142.5
145 27.4 17.2 51.6



#95
Naphthalene
Concen: 4.729 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068280.D
Acq: 24 Aug 2021 11:33

Tgt Ion:128 Resp: 17023
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.6 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.886 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. -0.000 min
 Lab File: VN068280.D
 Acq: 24 Aug 2021 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

Tgt Ion:180 Resp: 5176
 Ion Ratio Lower Upper
 180 100
 182 86.8 47.8 143.3
 145 30.1 18.2 54.6

