

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068266.D
 Acq On : 23 Aug 2021 14:04
 Operator : JC/MD
 Sample : PB138634ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:53:47 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)

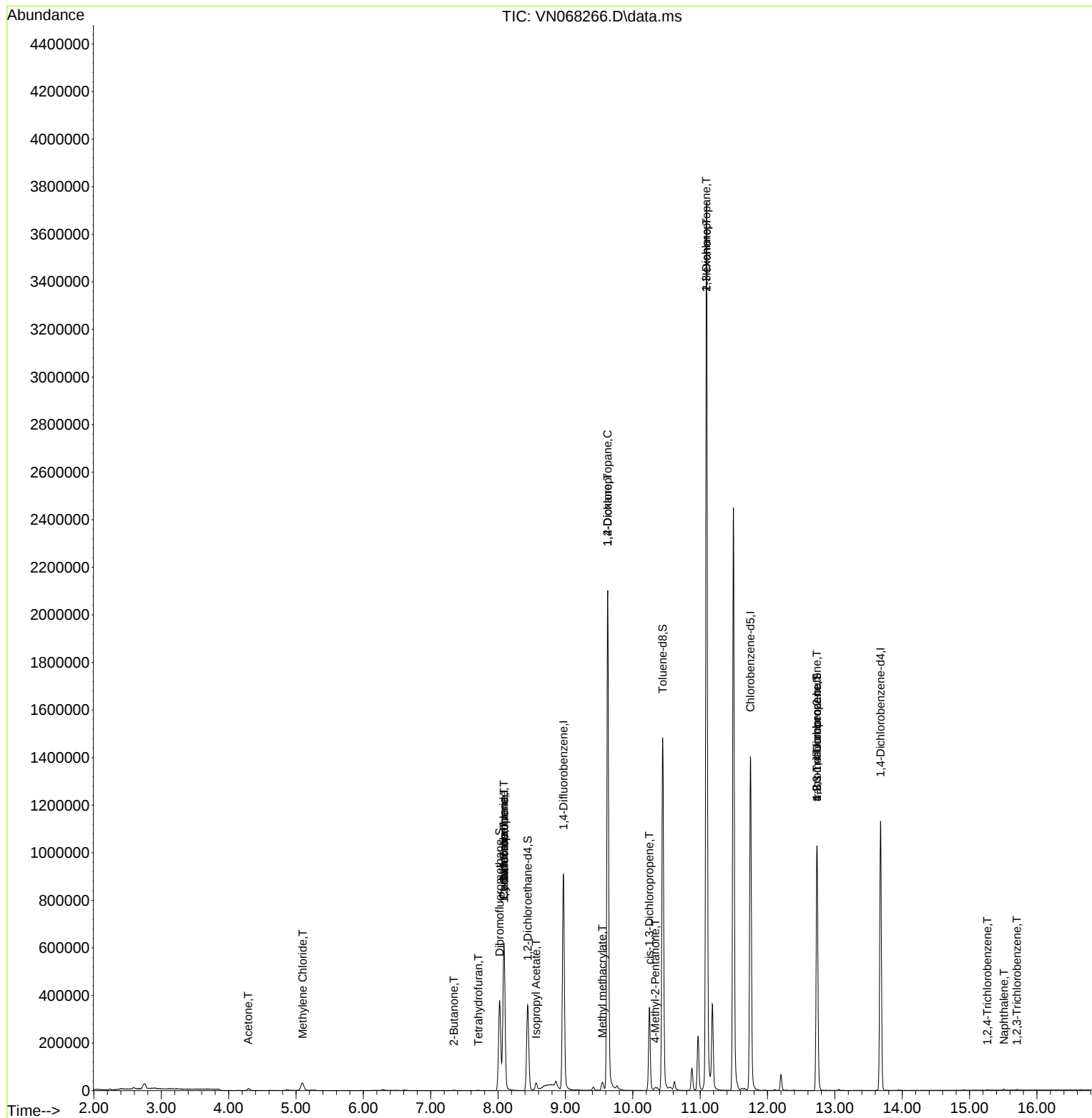
Internal Standards						
1) Pentafluorobenzene	8.088	168	521904	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	876758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	922626	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	343722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	297892	53.457	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 106.920%		
35) Dibromofluoromethane	8.024	113	272926	49.582	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.160%		
50) Toluene-d8	10.443	98	1113195	53.075	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 106.140%		
62) 4-Bromofluorobenzene	12.734	95	357432	51.192	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 102.380%		
Target Compounds						
						Qvalue
5) Bromomethane	2.832	94	49	Below Cal	#	1
6) Chloroethane	3.041	64	25	Below Cal	#	44
13) Acrolein	4.039	56	24	Below Cal	#	1
16) Acetone	4.288	43	7810	4.800	ug/l	90
18) Methyl Acetate	4.857	43	2146	Below Cal		91
20) Methylene Chloride	5.101	84	28189	4.320	ug/l	# 79
25) 2-Butanone	7.343	43	1207	0.476	ug/l	# 81
29) Tetrahydrofuran	7.708	42	1027	0.633	ug/l	# 69
31) Cyclohexane	8.086	56	9034	1.231	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	33300	4.646	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	48893	5.915	ug/l	# 18
43) Isopropyl Acetate	8.563	43	35431	3.623	ug/l	# 92
45) 1,2-Dichloropropane	9.628	63	2905	0.565	ug/l	# 44
48) Methyl methacrylate	9.547	41	8459	2.075	ug/l	# 12
49) 1,4-Dioxane	9.628	88	365	3.705	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	5570	0.927	ug/l	# 72
54) cis-1,3-Dichloropropene	10.245	75	69618	8.387	ug/l	# 56
57) 1,3-Dichloropropane	11.092	76	43910	4.784	ug/l	# 43
59) 2-Hexanone	11.095	43	533608	127.910	ug/l	# 57
76) 1,2,3-Trichloropropane	12.734	75	177173	31.012	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	177173	101.601	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	1311	2.901	ug/l	# 95
95) Naphthalene	15.509	128	4814	3.677	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.702	180	1491	3.090	ug/l	# 53

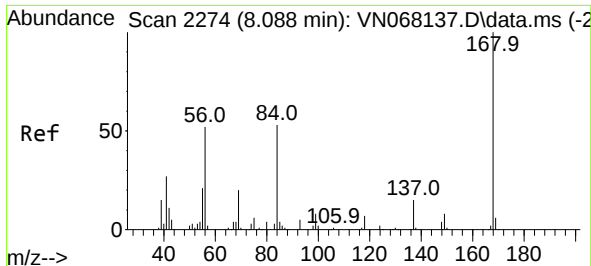
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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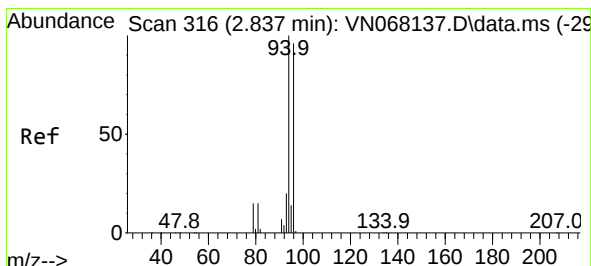
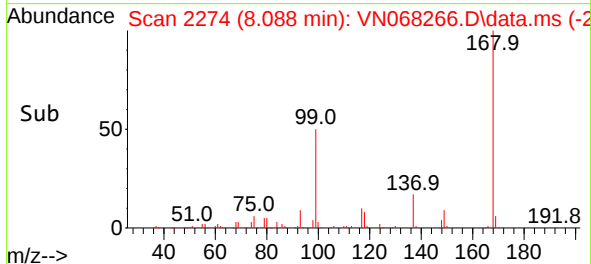
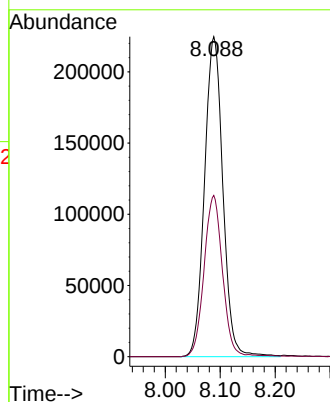
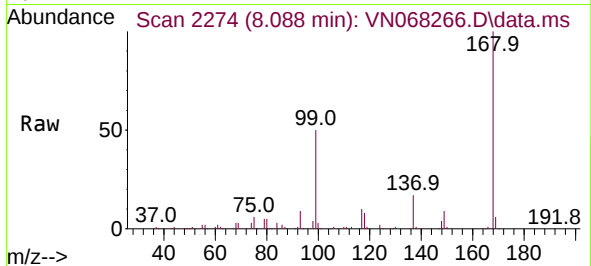




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

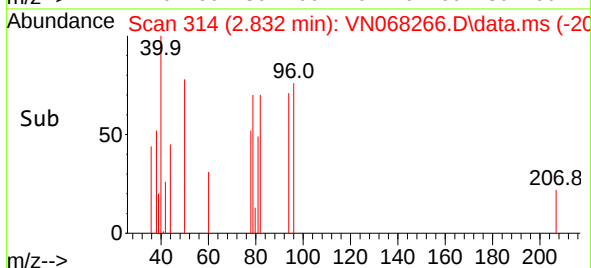
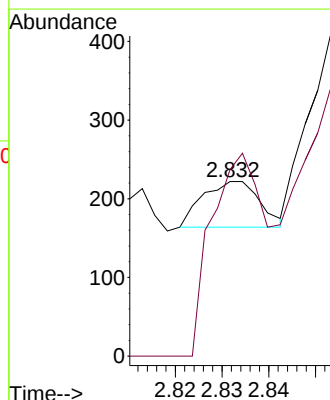
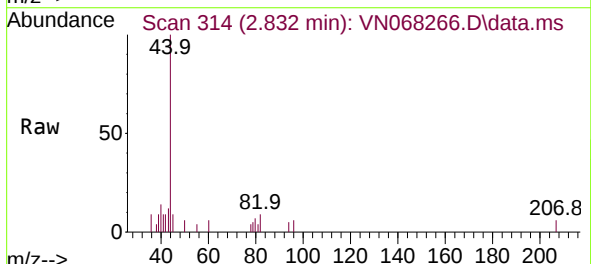
Instrument :
MSVOA_N
ClientSampled :

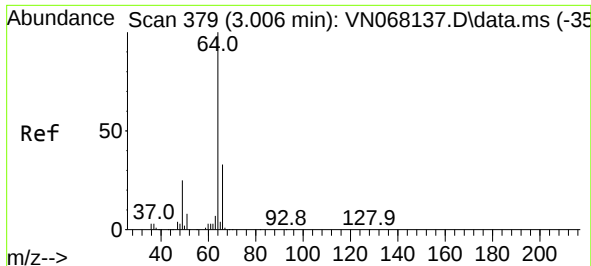
Tgt Ion:168 Resp: 521904
Ion Ratio Lower Upper
168 100
99 50.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.005 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 408.6 73.7 110.5#

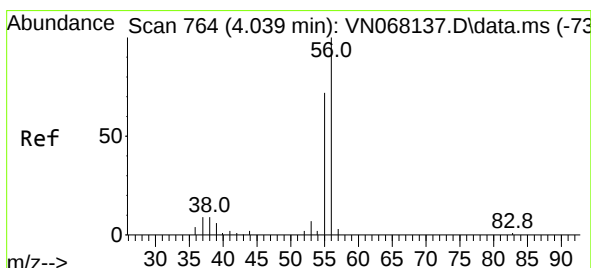
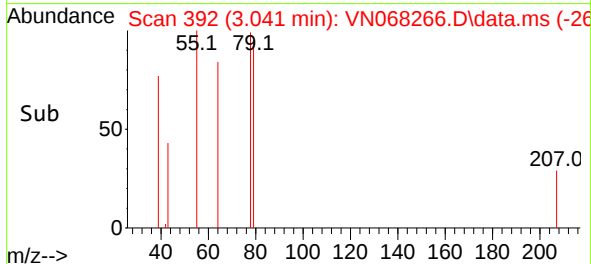
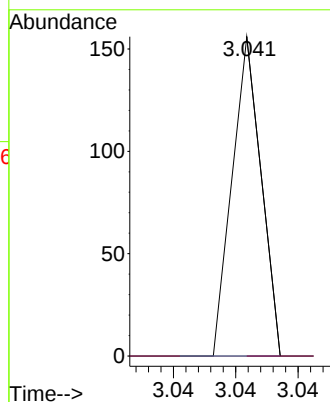
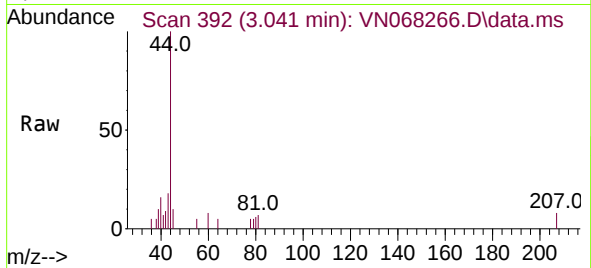




#6
Chloroethane
Concen: Below Cal
RT: 3.041 min Scan# 392
Delta R.T. 0.035 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

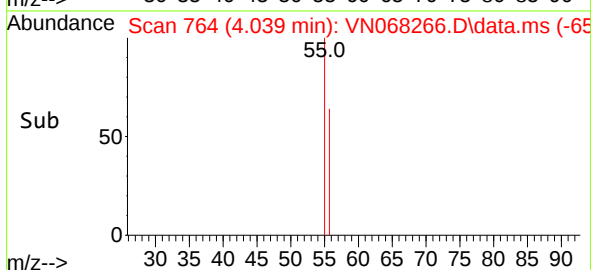
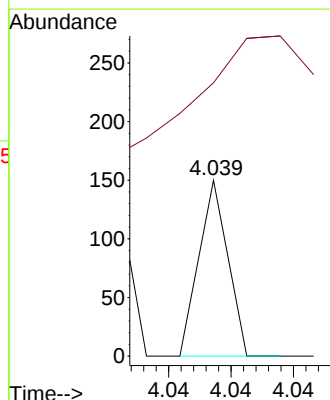
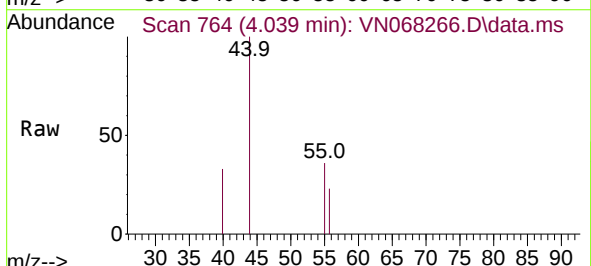
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 1287.5 57.4 86.0#

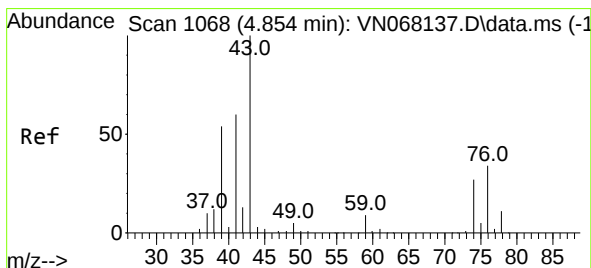
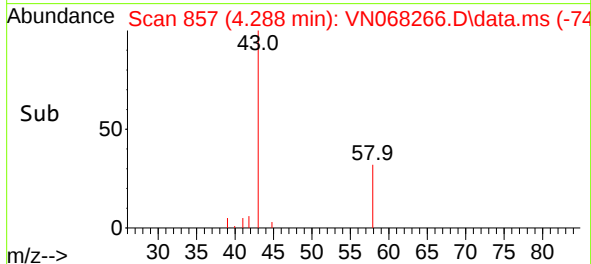
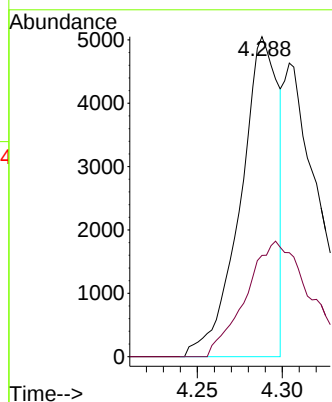
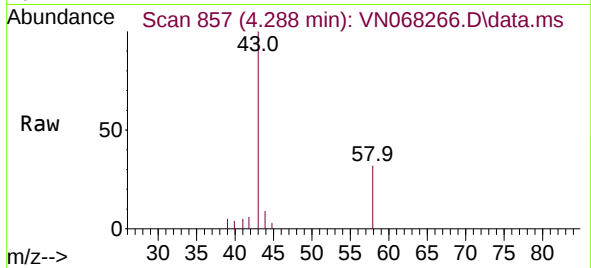




#16
Acetone
Concen: 4.800 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.000 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

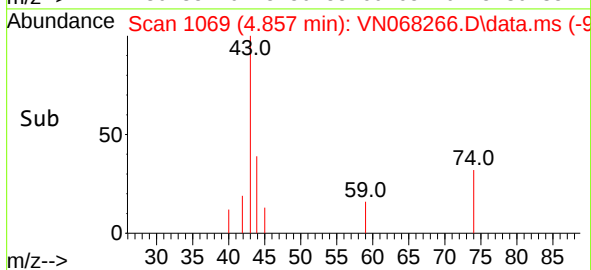
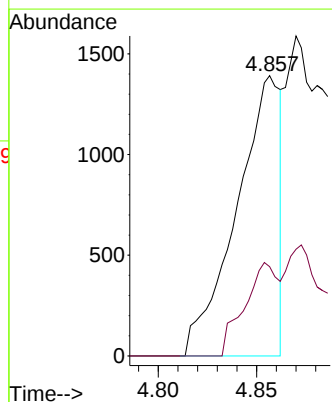
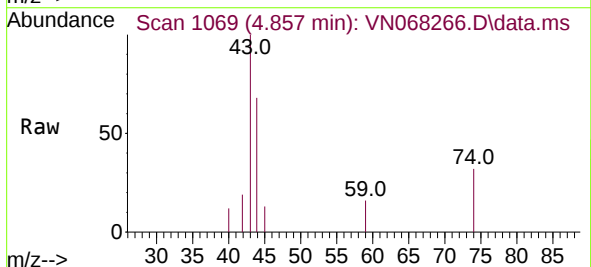
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 7810
Ion Ratio Lower Upper
43 100
58 31.6 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

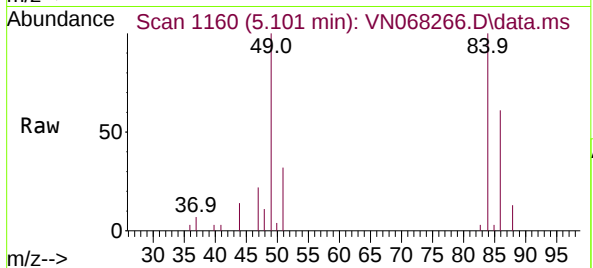
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 26.0 17.4 26.0



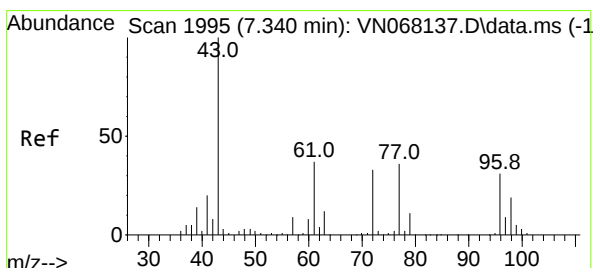
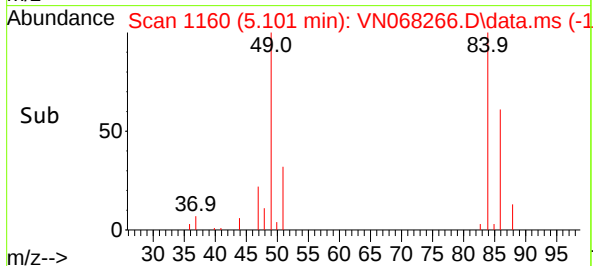
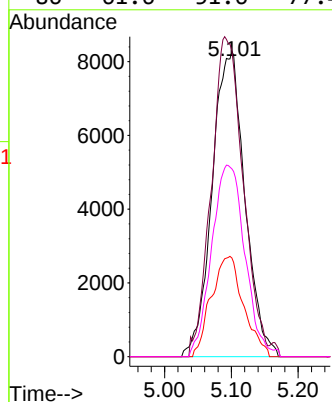


#20
Methylene Chloride
Concen: 4.320 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

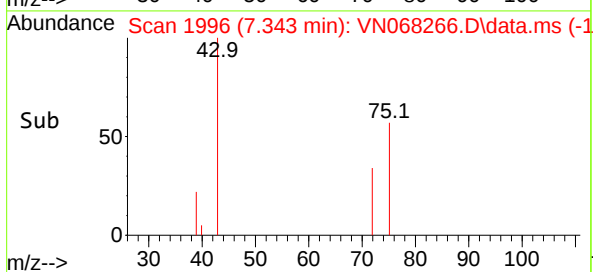
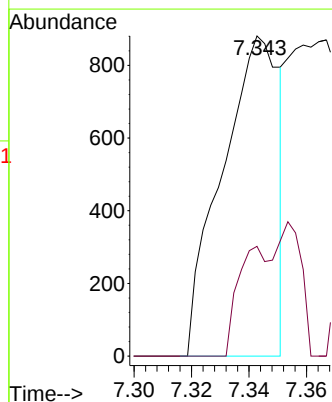
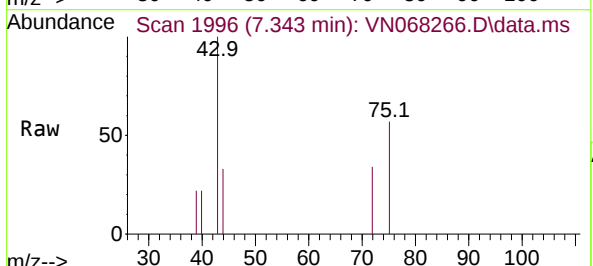


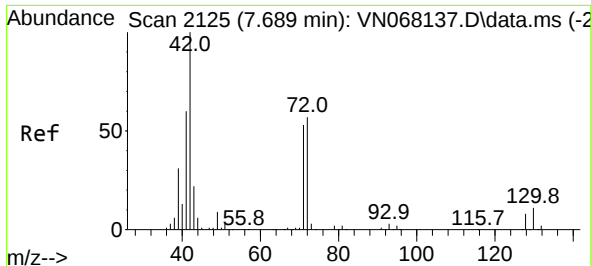
Tgt Ion:	84	Resp:	28189
Ion	Ratio	Lower	Upper
84	100		
49	100.3	110.9	166.3#
51	32.4	32.6	49.0#
86	61.6	51.6	77.4



#25
2-Butanone
Concen: 0.476 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion:	43	Resp:	1207
Ion	Ratio	Lower	Upper
43	100		
72	34.3	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.633 ug/l

RT: 7.708 min Scan# 2132

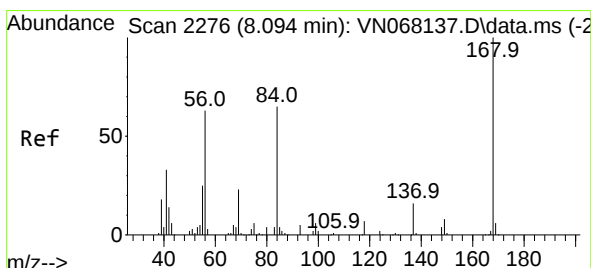
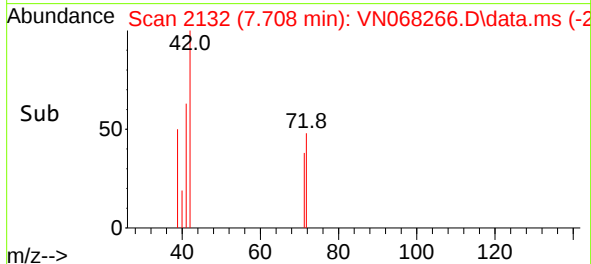
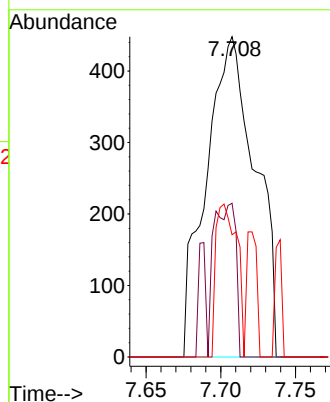
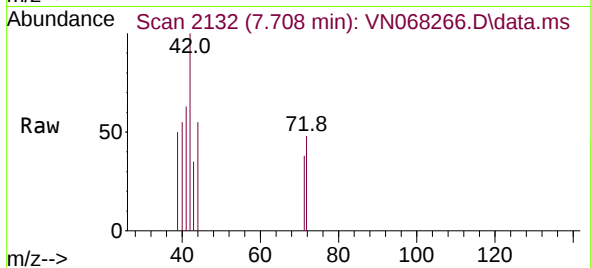
Delta R.T. 0.019 min

Lab File: VN068266.D

Acq: 23 Aug 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42	Resp: 1027
Ion Ratio	Lower Upper
42	100
72	21.3 32.8 49.2#
71	20.4 31.2 46.8#



#31

Cyclohexane

Concen: 1.231 ug/l

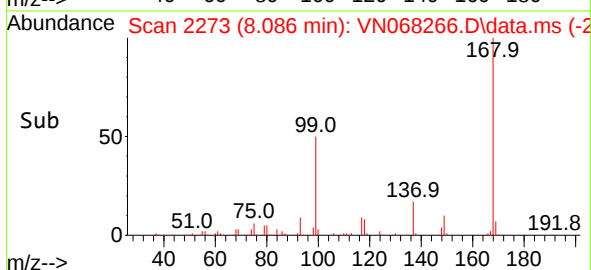
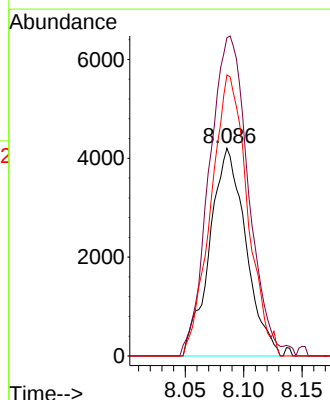
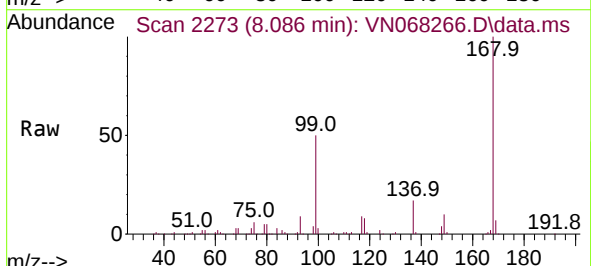
RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068266.D

Acq: 23 Aug 2021 14:04

Tgt Ion: 56	Resp: 9034
Ion Ratio	Lower Upper
56	100
69	153.2 27.3 40.9#
84	135.2 64.9 97.3#

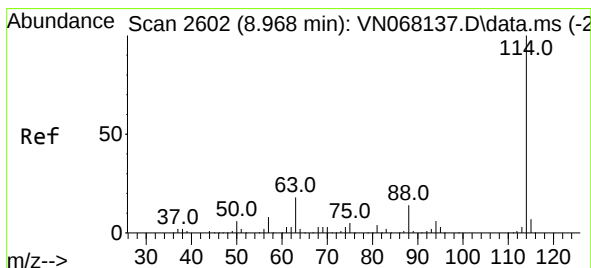
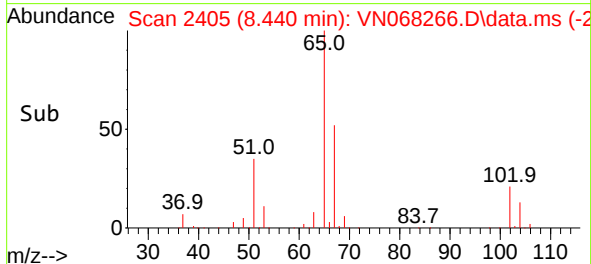
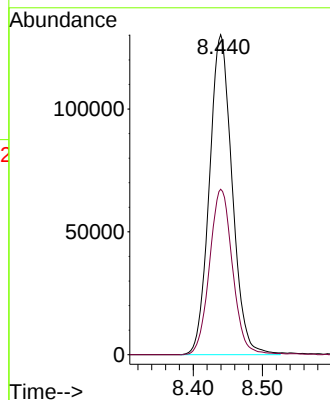
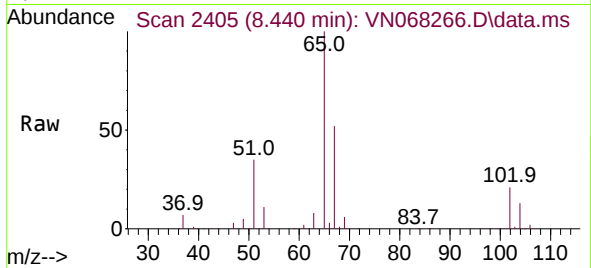




#33
 1,2-Dichloroethane-d4
 Concen: 53.457 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04

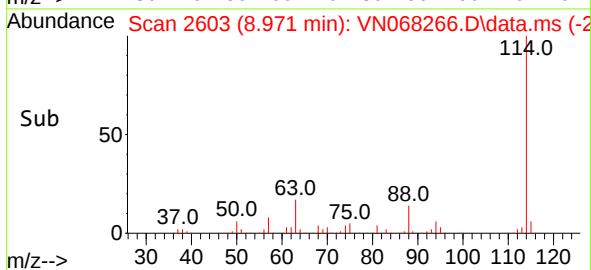
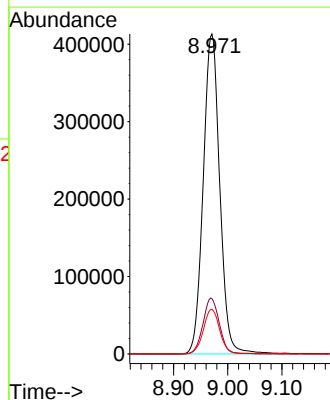
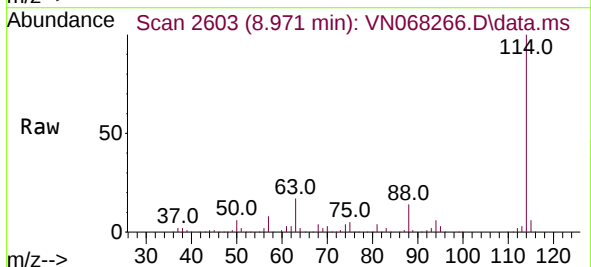
Instrument :
 MSVOA_N
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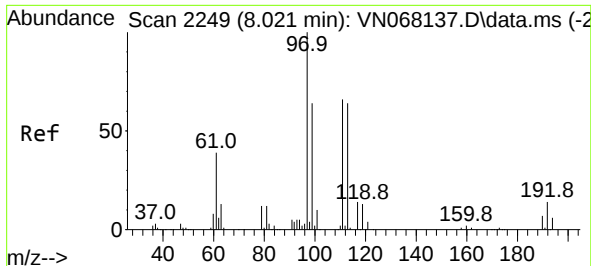
Tgt Ion: 65 Resp: 297892
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04

Tgt Ion: 114 Resp: 876758
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 13.9 0.0 36.6

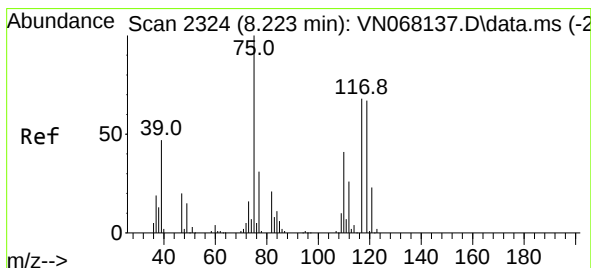
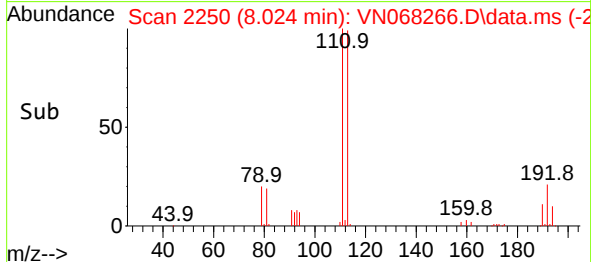
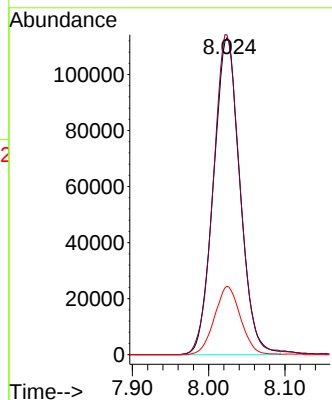
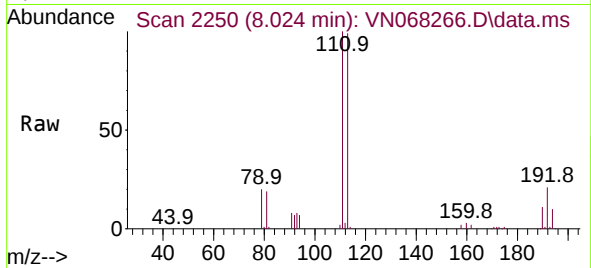




#35
Dibromofluoromethane
Concen: 49.582 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

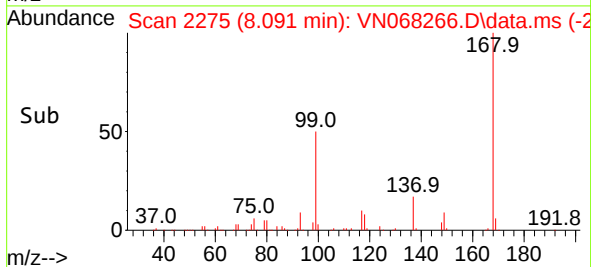
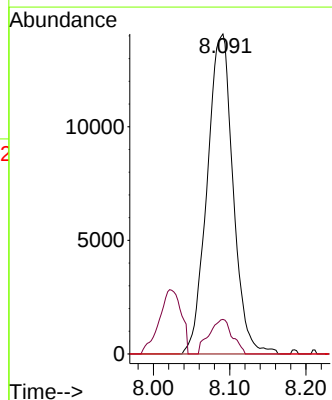
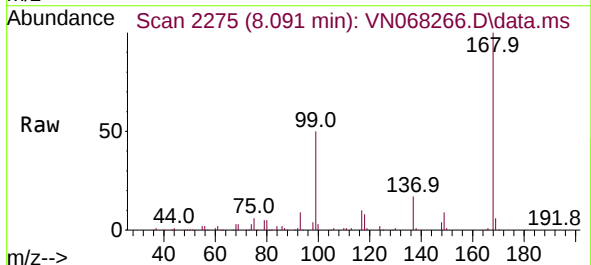
Instrument :
MSVOA_N
ClientSampled :

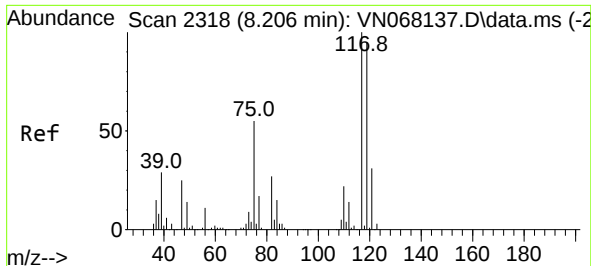
Tgt Ion:113 Resp: 272926
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.8
192 21.3 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

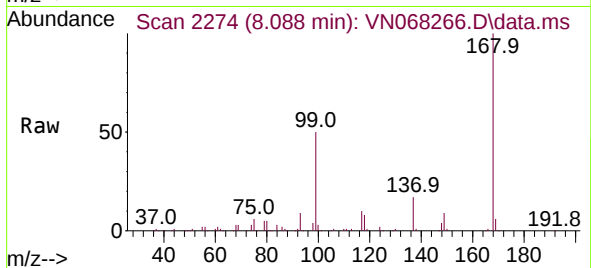
Tgt Ion: 75 Resp: 33300
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



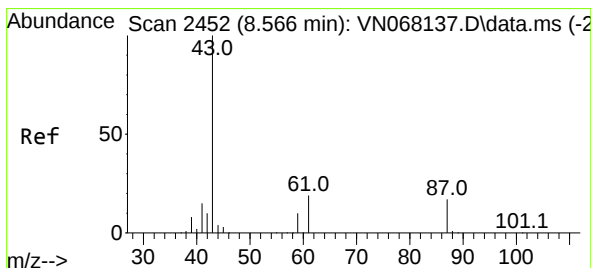
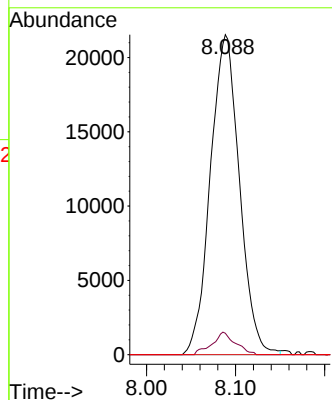
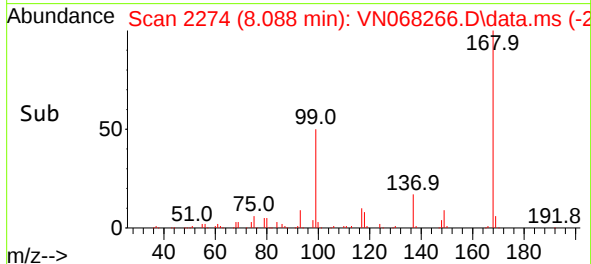


#38
Carbon Tetrachloride
Concen: 5.915 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

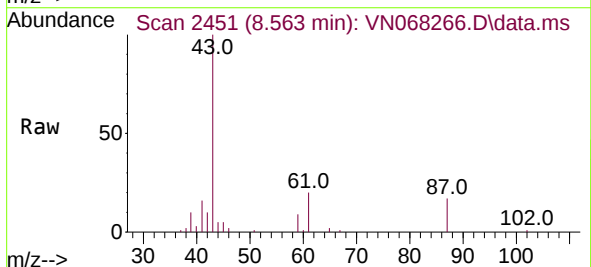
Instrument :
MSVOA_N
ClientSampled :



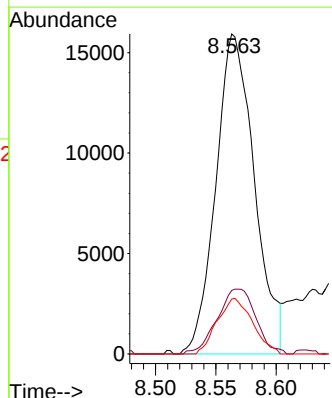
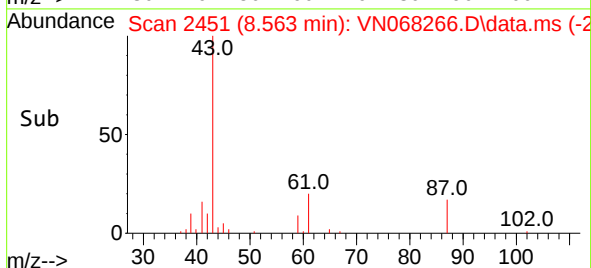
Tgt Ion:117 Resp: 48893
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#

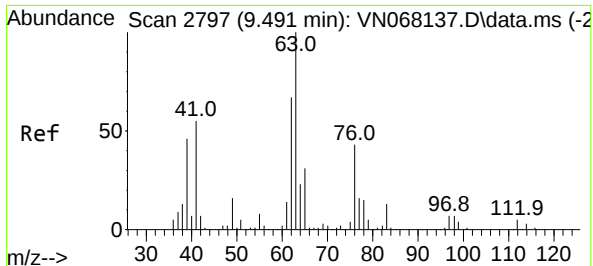


#43
Isopropyl Acetate
Concen: 3.623 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04



Tgt Ion: 43 Resp: 35431
Ion Ratio Lower Upper
43 100
61 20.3 19.0 28.4
87 15.9 9.5 14.3#



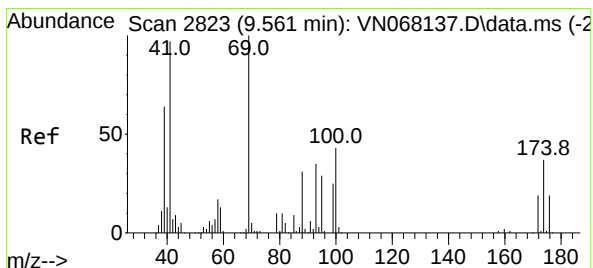
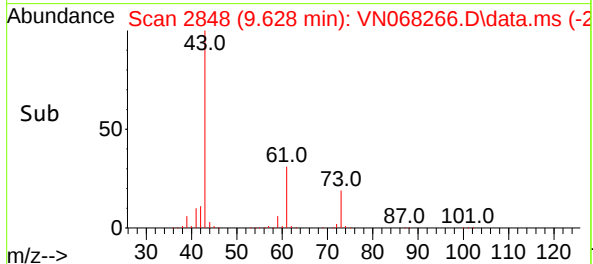
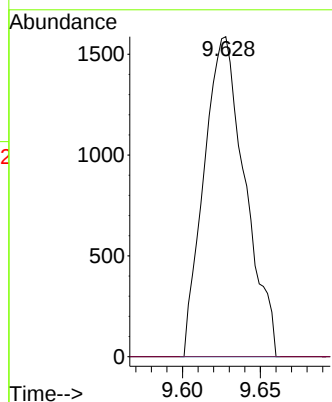
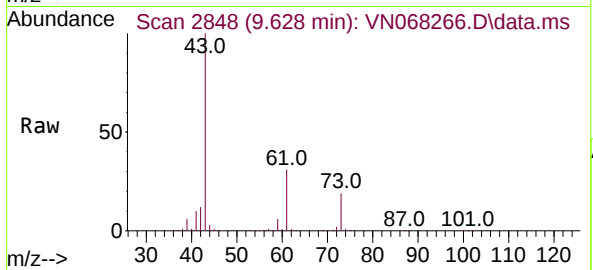


#45

1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

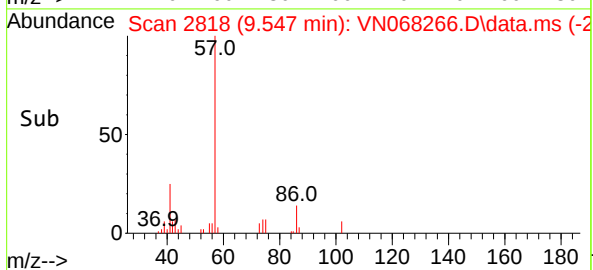
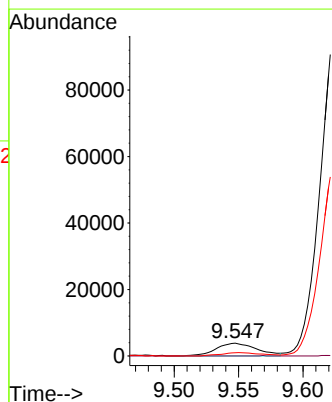
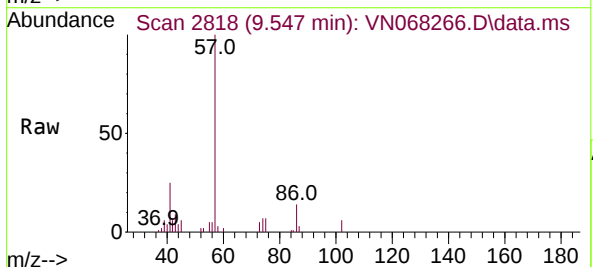
Tgt Ion: 63 Resp: 2905
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

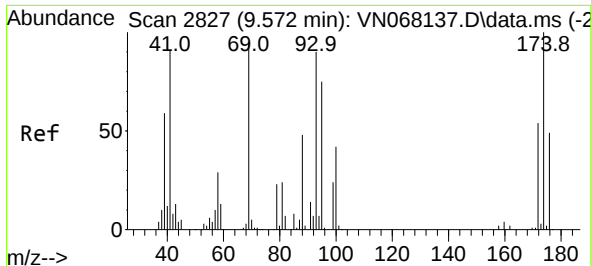


#48

Methyl methacrylate
Concen: 2.075 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 41 Resp: 8459
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 3.705 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.056 min

Lab File: VN068266.D

Acq: 23 Aug 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

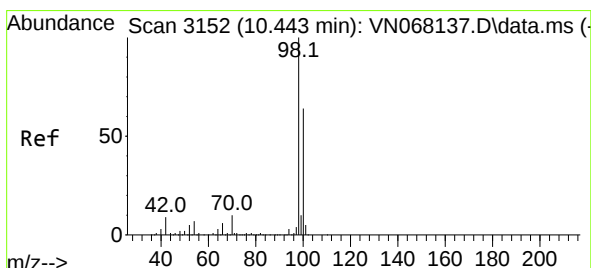
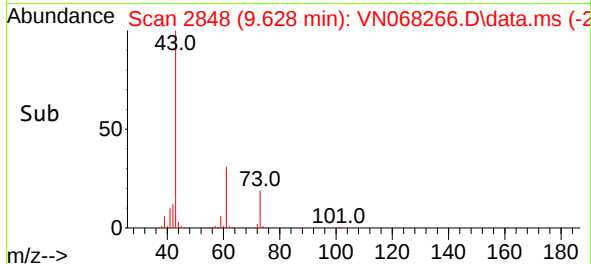
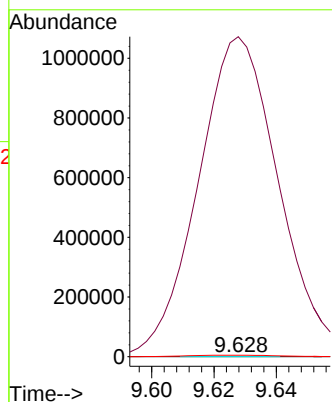
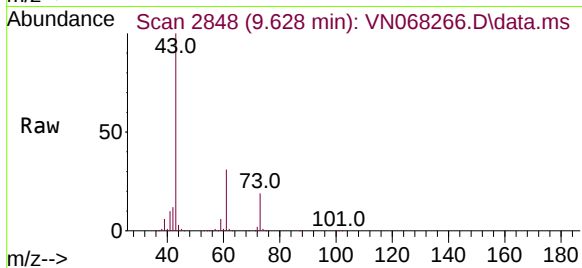
Tgt Ion: 88 Resp: 365

Ion Ratio Lower Upper

88 100

43 544314.0 28.8 43.2#

58 2915.9 60.4 90.6#



#50

Toluene-d8

Concen: 53.075 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068266.D

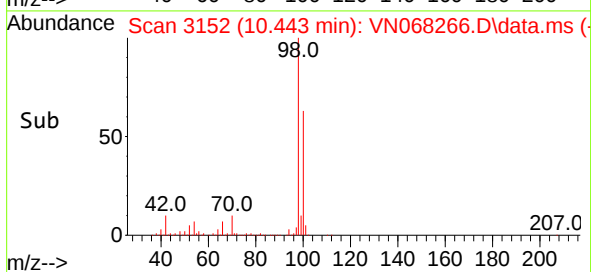
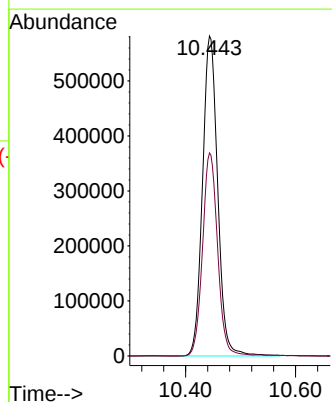
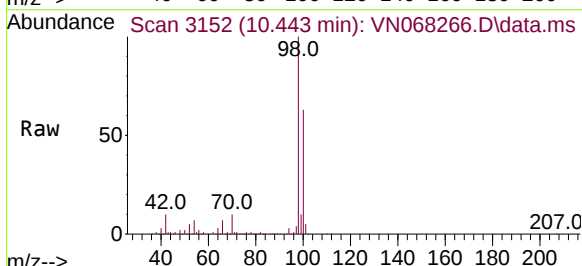
Acq: 23 Aug 2021 14:04

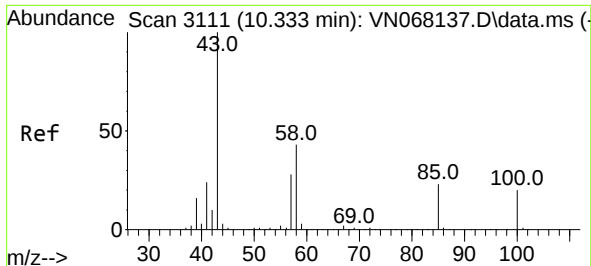
Tgt Ion: 98 Resp: 1113195

Ion Ratio Lower Upper

98 100

100 62.9 51.7 77.5

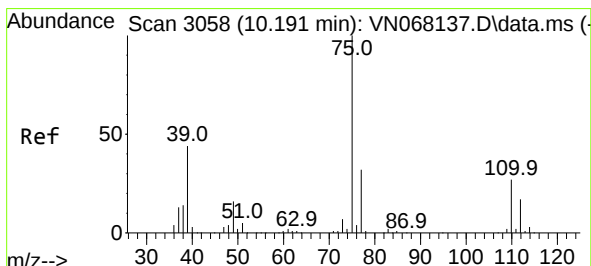
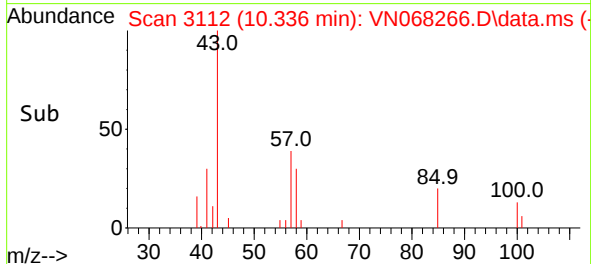
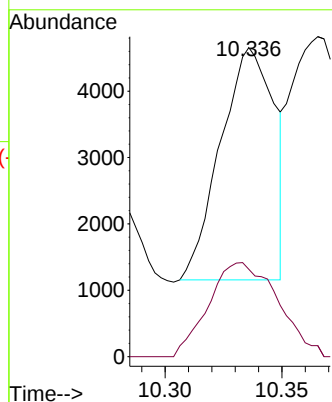
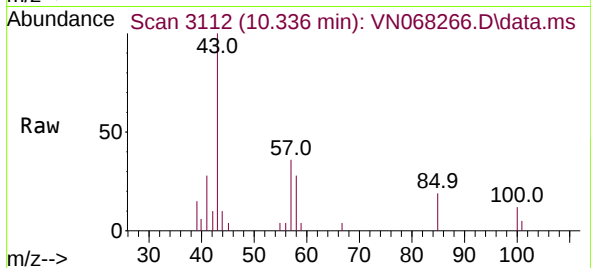




#51
4-Methyl-2-Pentanone
Concen: 0.927 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

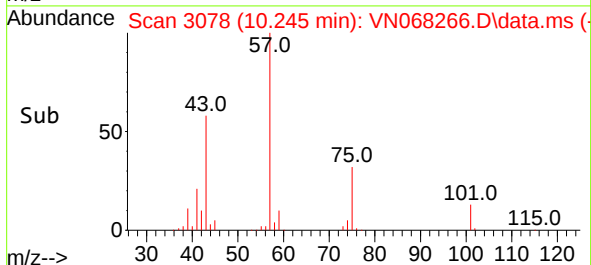
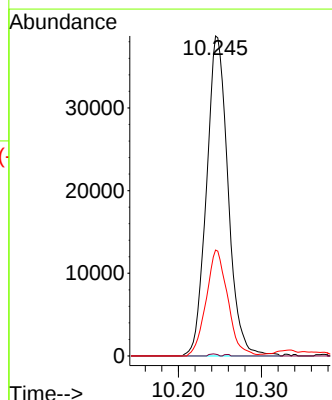
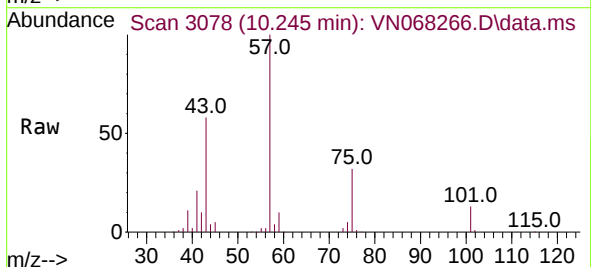
Instrument :
MSVOA_N
ClientSampled :

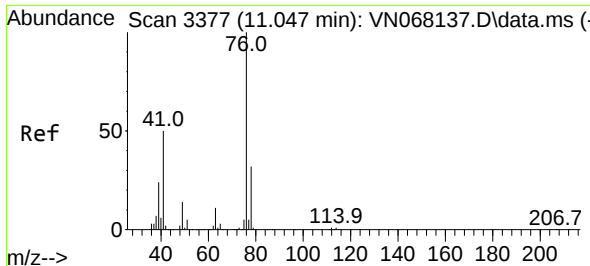
Tgt Ion: 43 Resp: 5570
Ion Ratio Lower Upper
43 100
58 52.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.387 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 75 Resp: 69618
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 33.1 50.7 76.1#

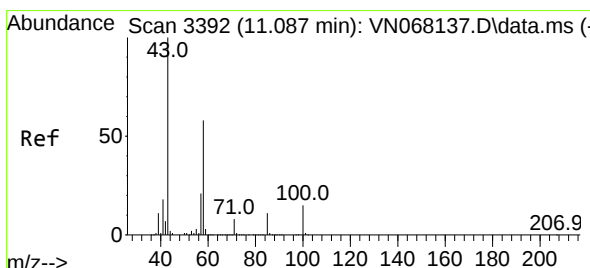
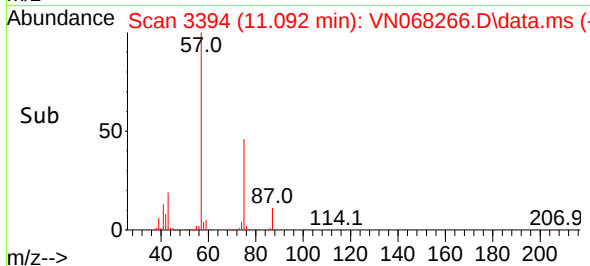
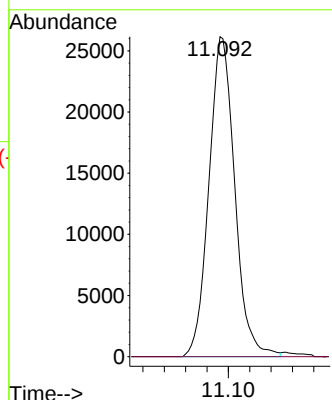
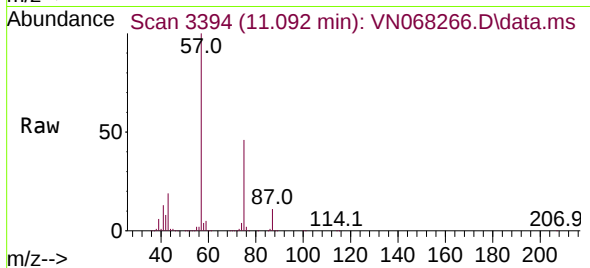




#57
1,3-Dichloropropane
Concen: 4.784 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

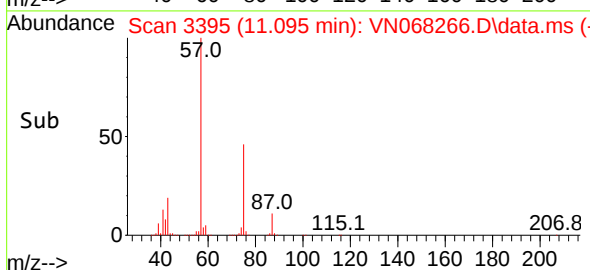
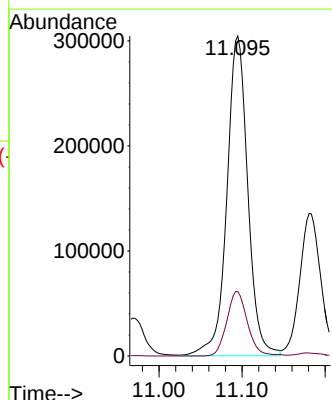
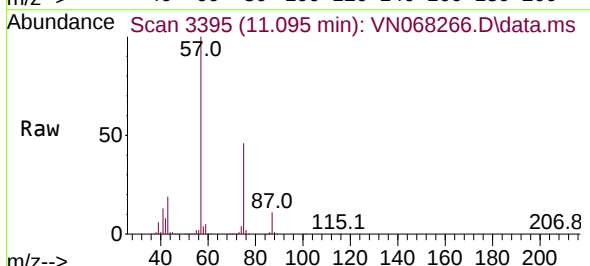
Instrument :
MSVOA_N
ClientSampled :

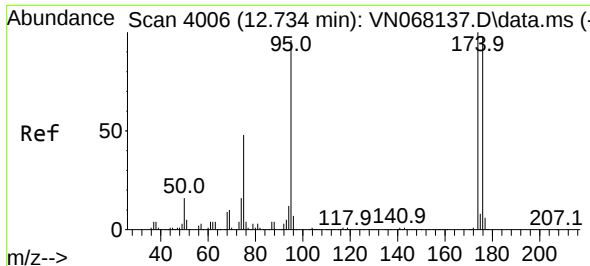
Tgt Ion: 76 Resp: 43910
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 127.910 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 43 Resp: 533608
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

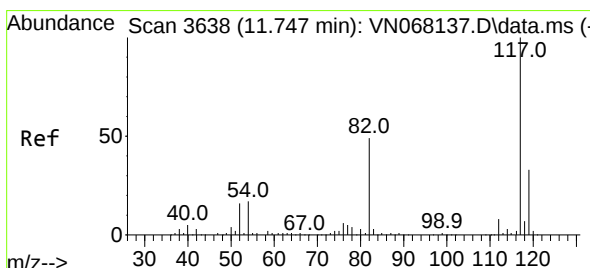
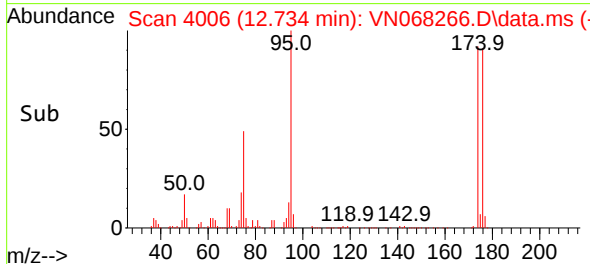
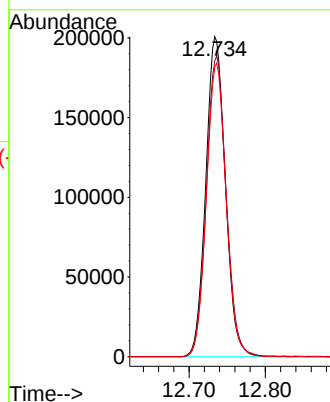
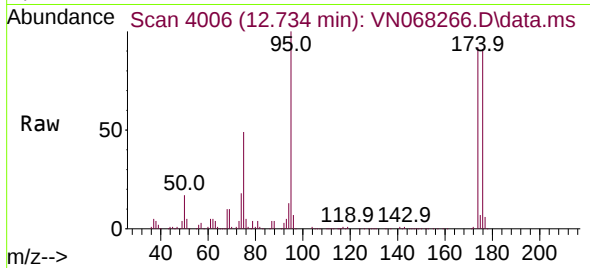




#62
4-Bromofluorobenzene
Concen: 51.192 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

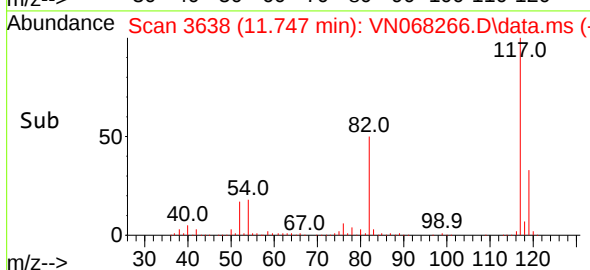
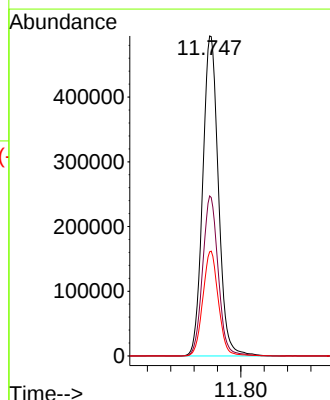
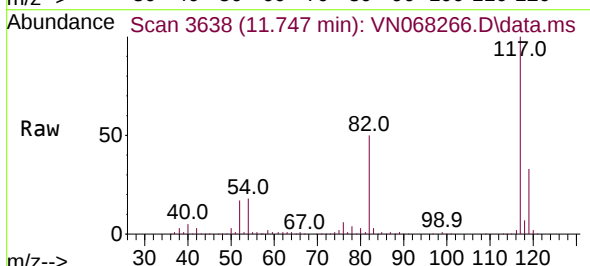
Instrument :
MSVOA_N
ClientSampleId :

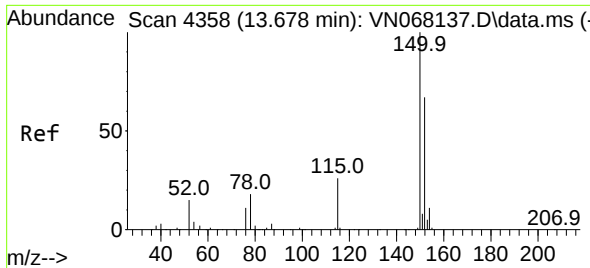
Tgt Ion: 95 Resp: 357432
Ion Ratio Lower Upper
95 100
174 95.7 0.0 122.0
176 92.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion: 117 Resp: 922626
Ion Ratio Lower Upper
117 100
82 50.0 53.1 79.7#
119 32.5 25.5 38.3

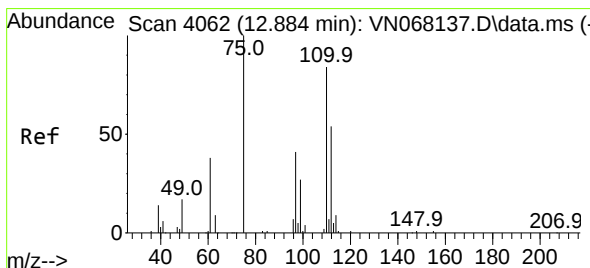
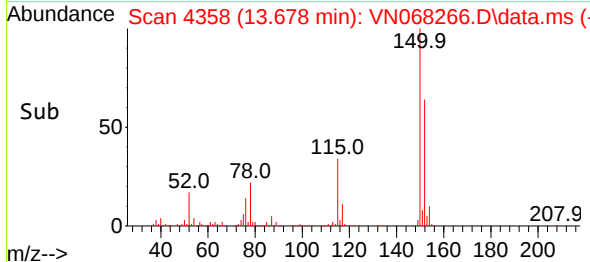
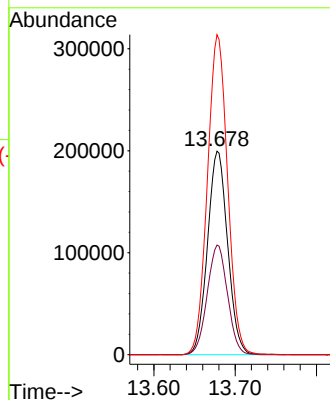
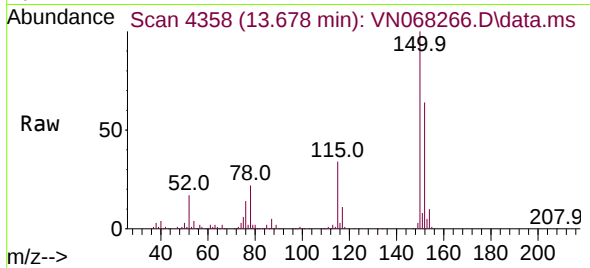




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04

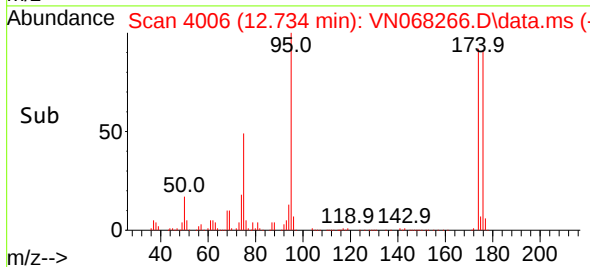
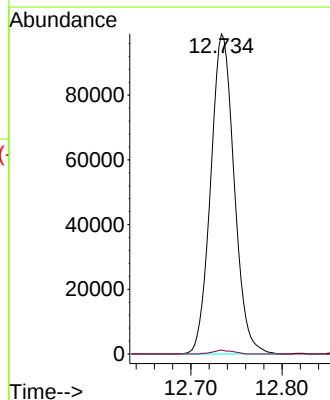
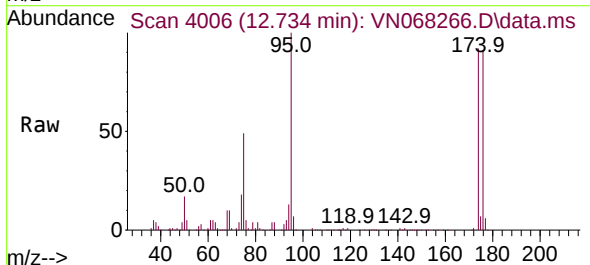
Instrument :
 MSVOA_N
 ClientSampled :

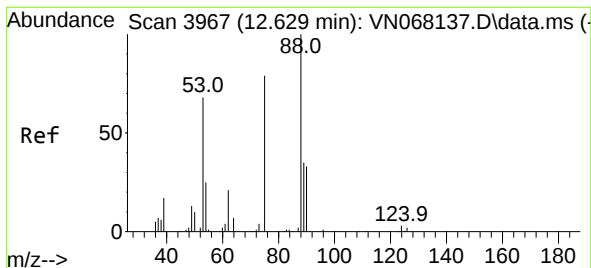
Tgt Ion:152 Resp: 343722
 Ion Ratio Lower Upper
 152 100
 115 54.2 36.1 108.5
 150 157.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.012 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04

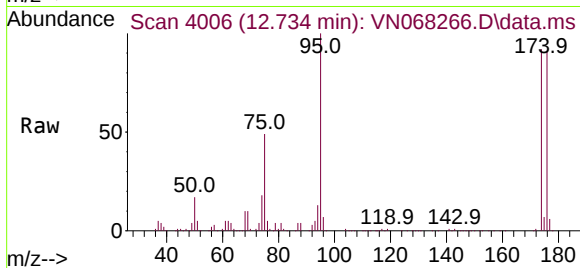
Tgt Ion: 75 Resp: 177173
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



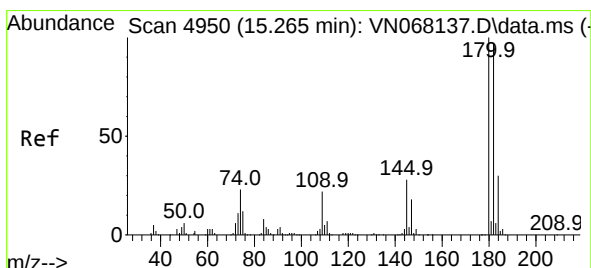
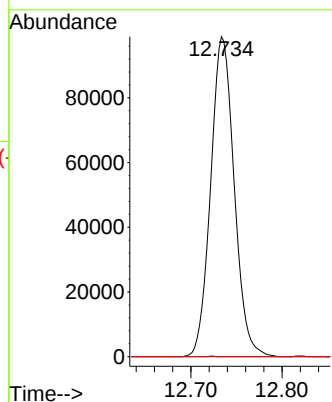
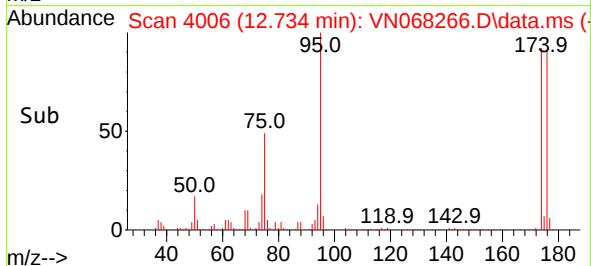


#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.601 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04

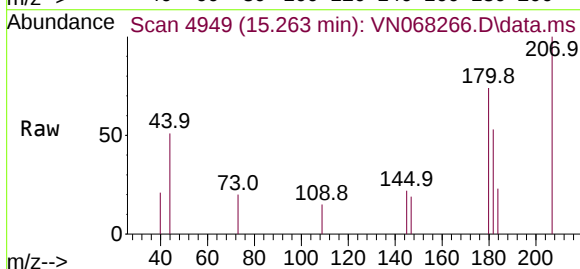
Instrument :
 MSVOA_N
 ClientSampled :



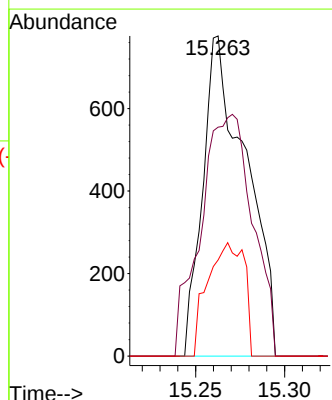
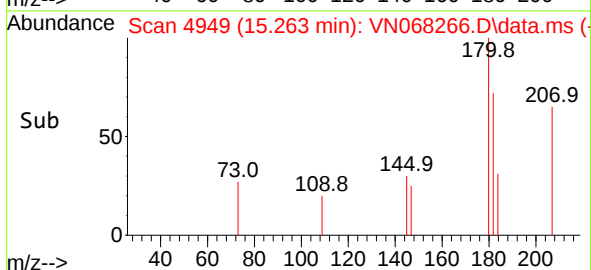
Tgt Ion: 75 Resp: 177173
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 37.8 56.8#

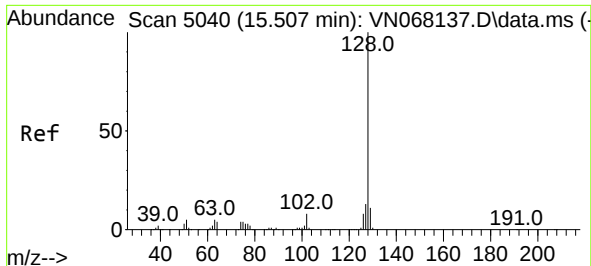


#93
 1,2,4-Trichlorobenzene
 Concen: 2.901 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN068266.D
 Acq: 23 Aug 2021 14:04



Tgt Ion: 180 Resp: 1311
 Ion Ratio Lower Upper
 180 100
 182 90.8 47.5 142.5
 145 29.9 17.2 51.6

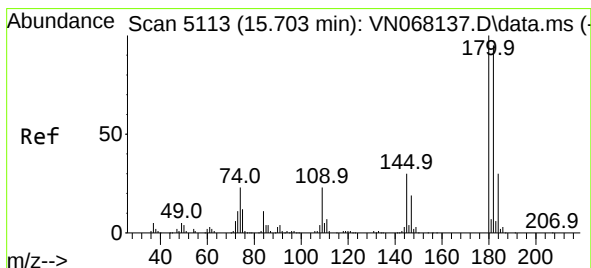
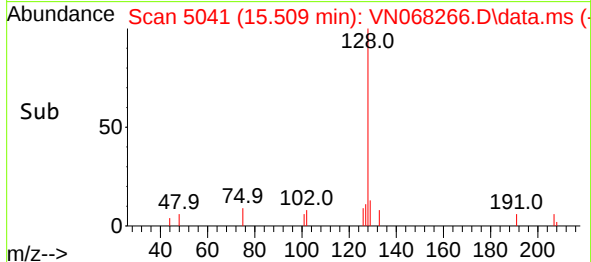
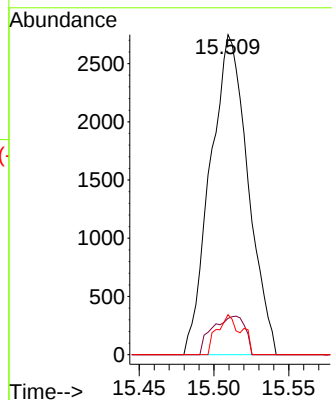
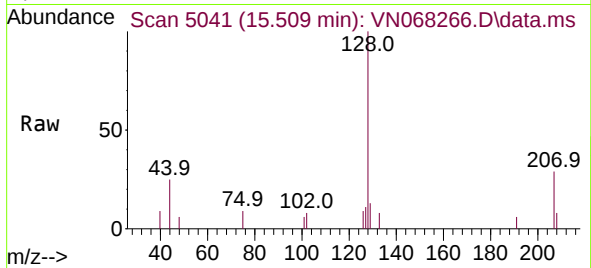




#95
Naphthalene
Concen: 3.677 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4814
Ion Ratio Lower Upper
128 100
127 10.4 10.6 15.8#
129 8.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.090 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068266.D
Acq: 23 Aug 2021 14:04

Tgt Ion:180 Resp: 1491
Ion Ratio Lower Upper
180 100
182 36.9 47.8 143.3#
145 29.2 18.2 54.6

