

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068165.D
 Acq On : 18 Aug 2021 1:28
 Operator : JC/MD
 Sample : M3435-33
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-11-EB-02

Quant Time: Aug 18 08:40:41 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)

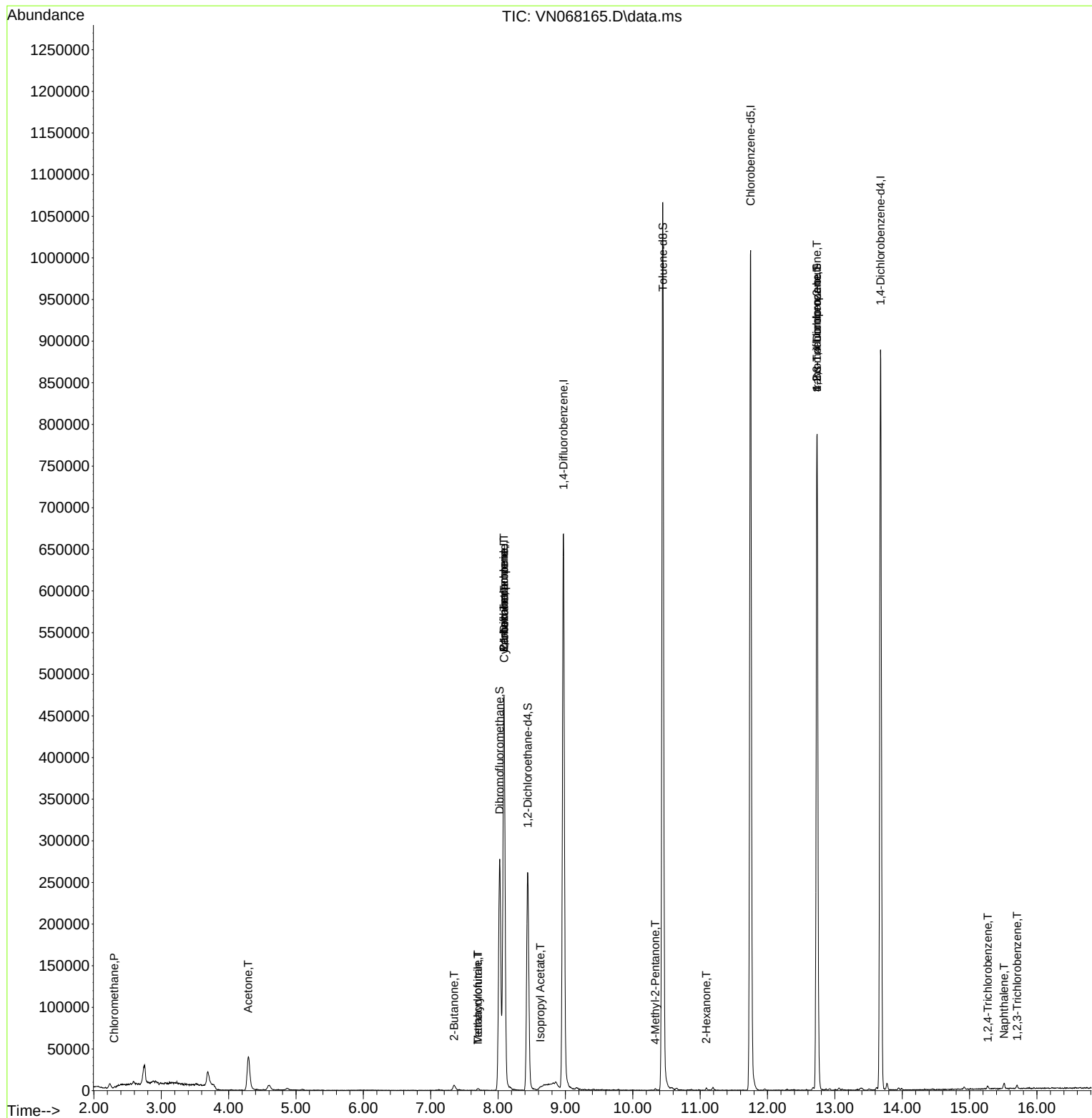
Internal Standards						
1) Pentafluorobenzene	8.088	168	390010	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	645762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	647331	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	270893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222869	53.520	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.040%		
35) Dibromofluoromethane	8.024	113	202550	49.960	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 99.920%		
50) Toluene-d8	10.446	98	784050	50.754	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.500%		
62) 4-Bromofluorobenzene	12.734	95	267407	51.998	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 104.000%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	871	0.249	ug/l	99
5) Bromomethane	2.829	94	84	Below Cal		99
6) Chloroethane	3.009	64	49	Below Cal	#	44
13) Acrolein	4.041	56	586	Below Cal	#	41
16) Acetone	4.291	43	74654	61.402	ug/l	# 88
18) Methyl Acetate	4.867	43	4354	Below Cal	#	60
20) Methylene Chloride	5.082	84	477	Below Cal	#	63
25) 2-Butanone	7.345	43	9784	5.164	ug/l	# 75
29) Tetrahydrofuran	7.699	42	1370	1.131	ug/l	# 84
31) Cyclohexane	8.091	56	6955	1.268	ug/l	# 15
36) 1,1-Dichloropropene	8.088	75	26038	4.932	ug/l	# 46
38) Carbon Tetrachloride	8.088	117	37638	6.182	ug/l	# 16
41) Methacrylonitrile	7.702	41	630	0.307	ug/l	# 50
43) Isopropyl Acetate	8.627	43	1957	0.272	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.336	43	1485	0.336	ug/l	# 75
59) 2-Hexanone	11.092	43	1937	0.630	ug/l	89
76) 1,2,3-Trichloropropane	12.734	75	135612	30.119	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	135612	98.675	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	1502	3.000	ug/l	# 75
95) Naphthalene	15.512	128	6649	3.928	ug/l	# 96
96) 1,2,3-Trichlorobenzene	15.705	180	1979	3.266	ug/l	83

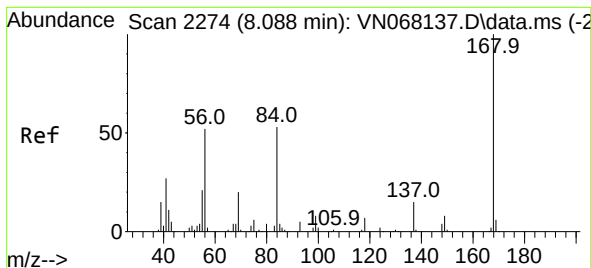
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068165.D

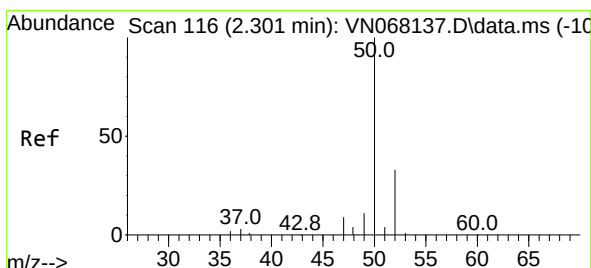
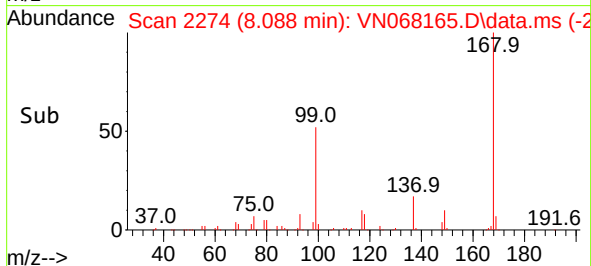
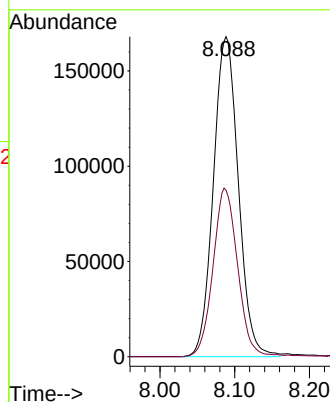
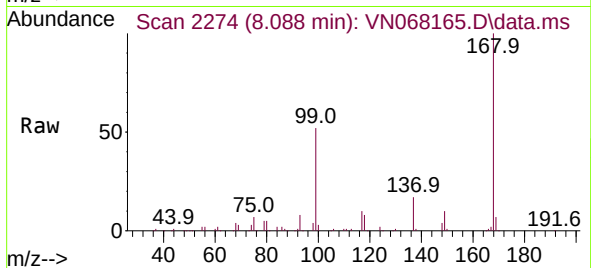
Acq: 18 Aug 2021 1:28

Tgt Ion:168 Resp: 390010

Ion Ratio Lower Upper

168 100

99 52.0 62.9 94.3#



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.000 min

Lab File: VN068165.D

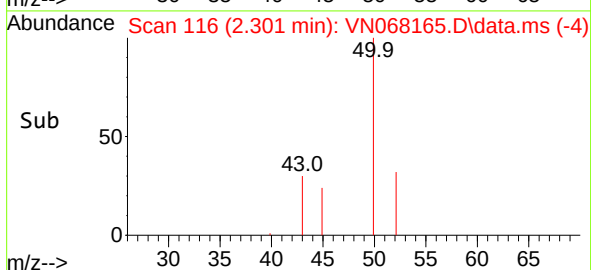
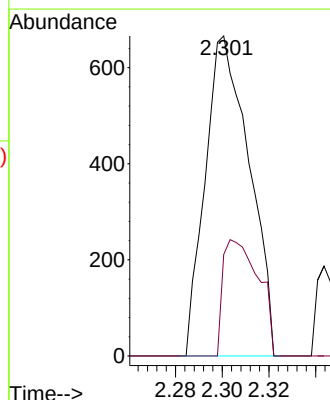
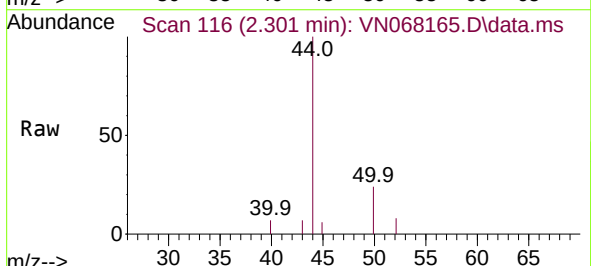
Acq: 18 Aug 2021 1:28

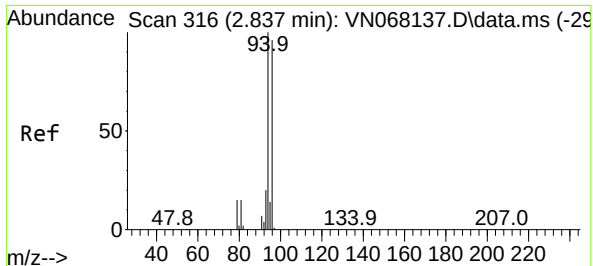
Tgt Ion: 50 Resp: 871

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4





#5

Bromomethane

Concen: Below Cal

RT: 2.829 min Scan# 313

Delta R.T. -0.008 min

Lab File: VN068165.D

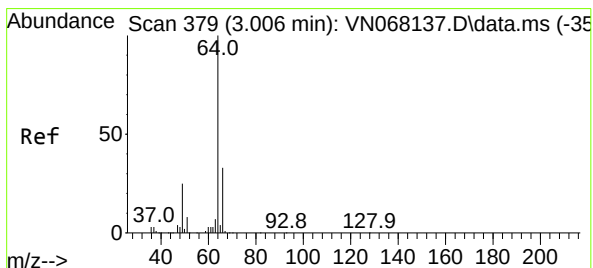
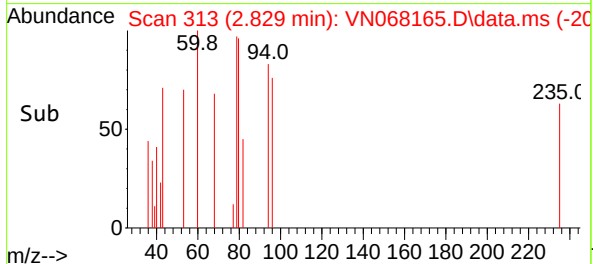
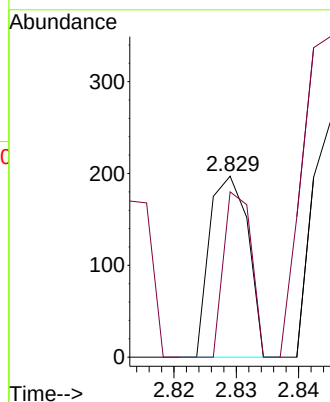
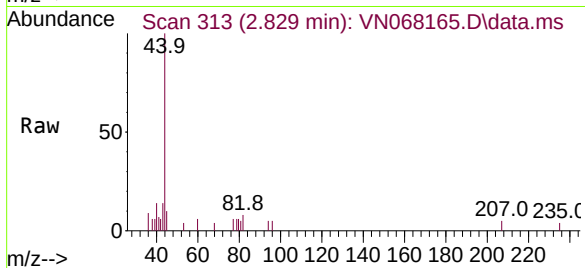
Acq: 18 Aug 2021 1:28

Tgt Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 91.4 73.7 110.5



#6

Chloroethane

Concen: Below Cal

RT: 3.009 min Scan# 380

Delta R.T. 0.003 min

Lab File: VN068165.D

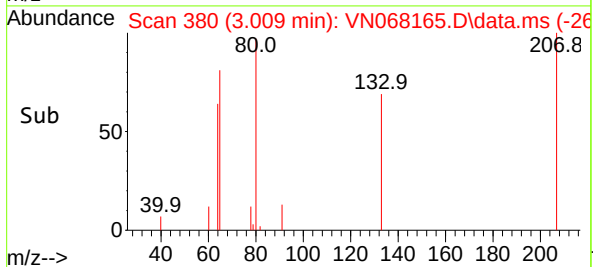
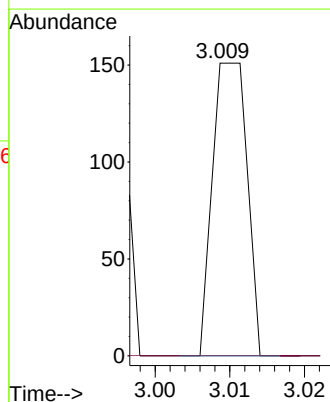
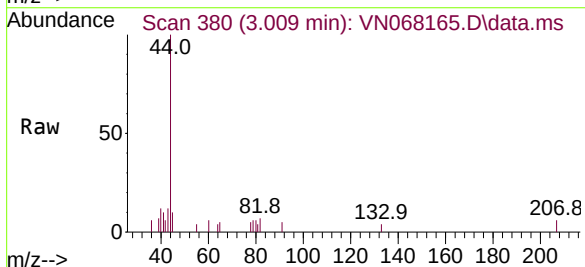
Acq: 18 Aug 2021 1:28

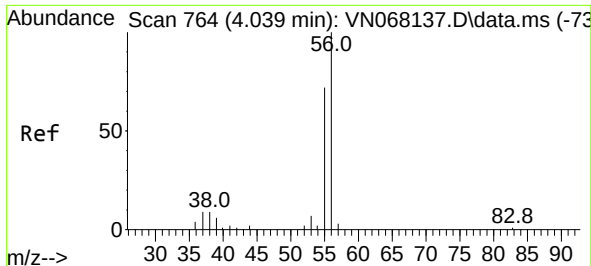
Tgt Ion: 64 Resp: 49

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#

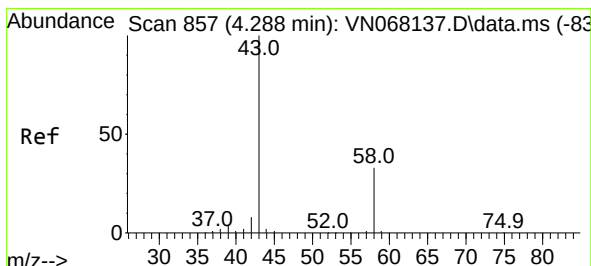
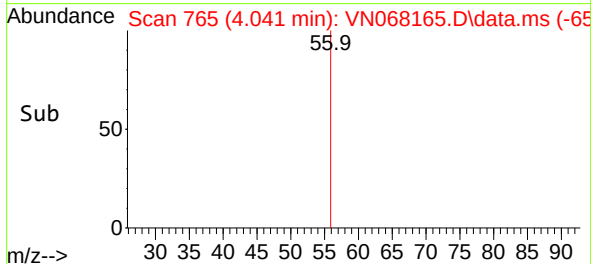
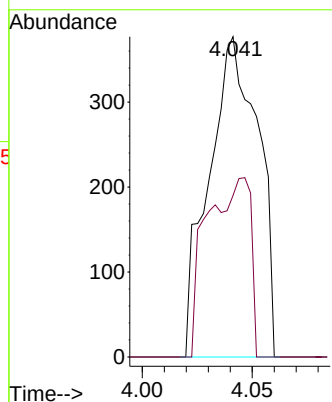
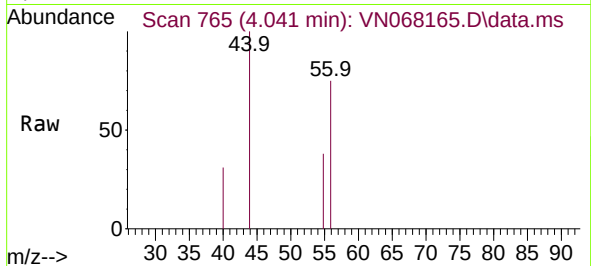




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

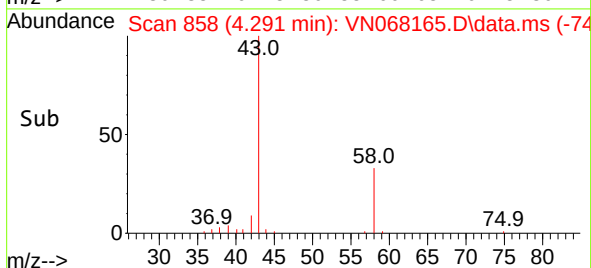
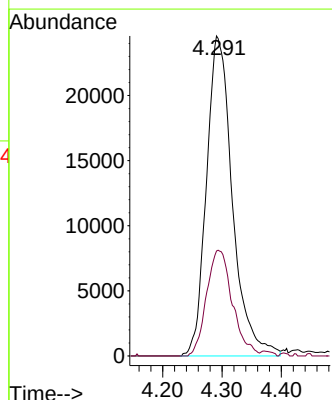
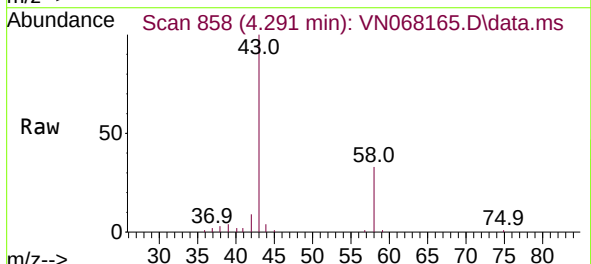
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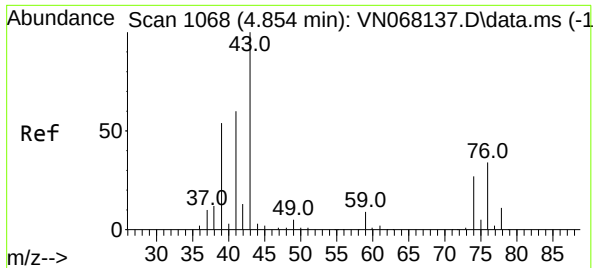
Tgt Ion: 56 Resp: 586
Ion Ratio Lower Upper
56 100
55 22.9 57.4 86.0#



#16
Acetone
Concen: 61.402 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 43 Resp: 74654
Ion Ratio Lower Upper
43 100
58 32.8 21.2 31.8#

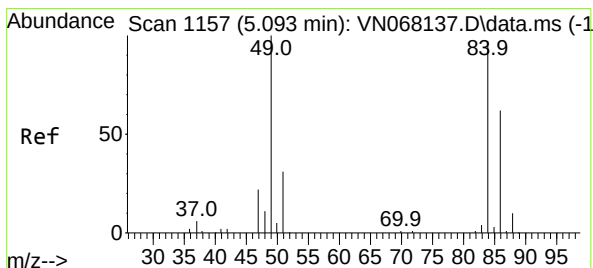
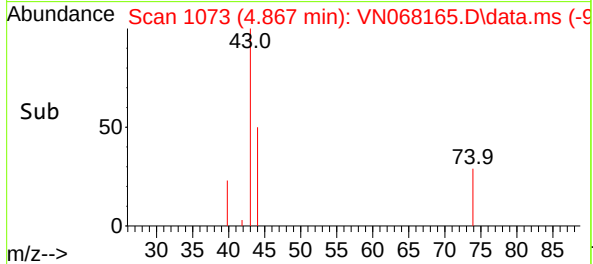
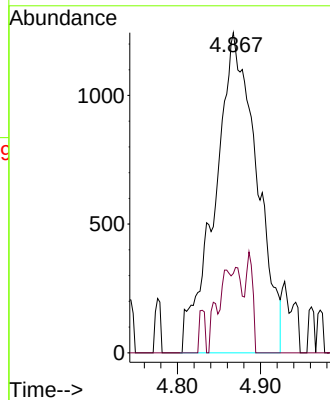
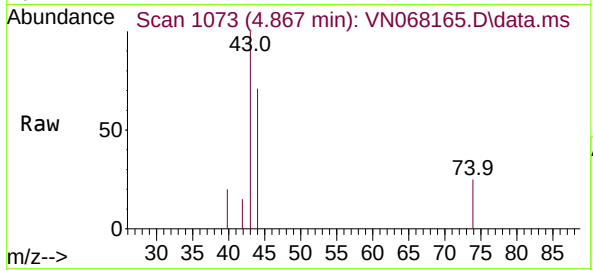




#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

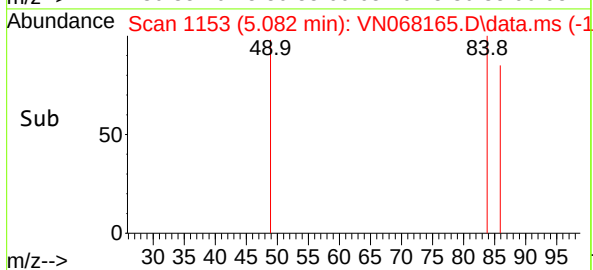
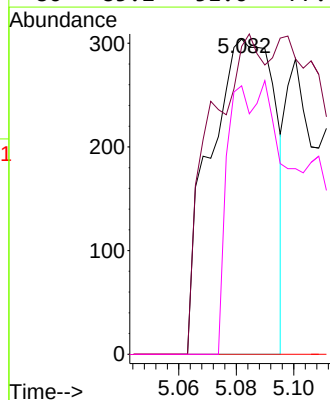
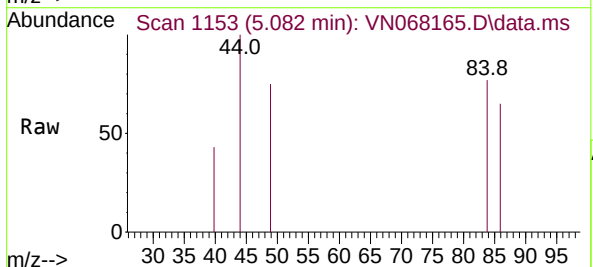
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

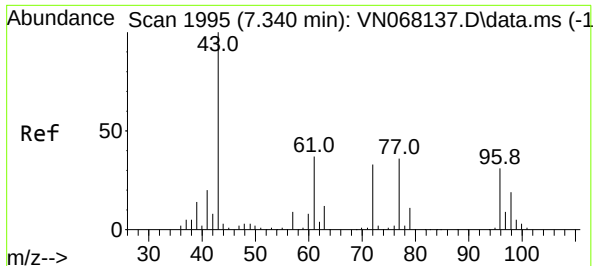
Tgt Ion: 43 Resp: 4354
Ion Ratio Lower Upper
43 100
74 2.9 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.082 min Scan# 1153
Delta R.T. -0.011 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 84 Resp: 477
Ion Ratio Lower Upper
84 100
49 97.7 110.9 166.3#
51 0.0 32.6 49.0#
86 85.2 51.6 77.4#

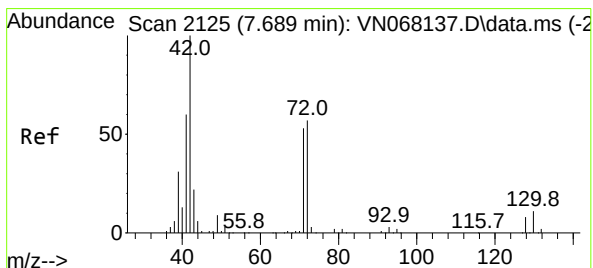
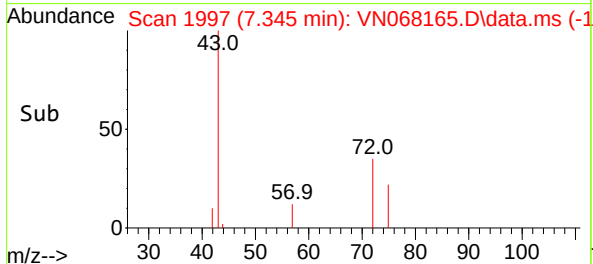
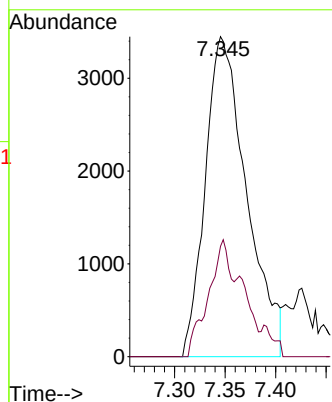
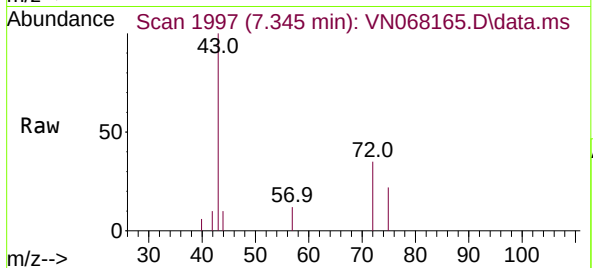




#25
2-Butanone
Concen: 5.164 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

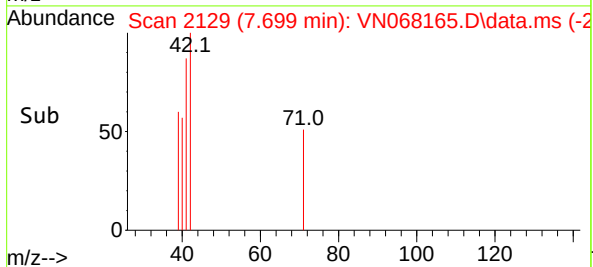
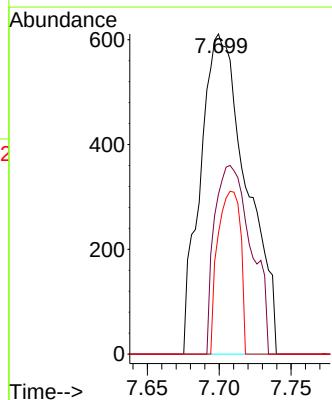
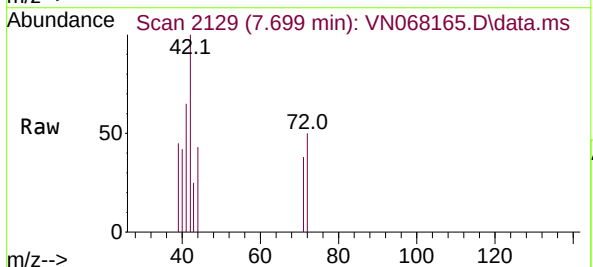
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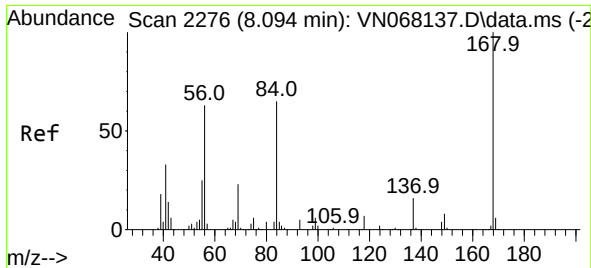
Tgt Ion: 43 Resp: 9784
Ion Ratio Lower Upper
43 100
72 37.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 1.131 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 42 Resp: 1370
Ion Ratio Lower Upper
42 100
72 46.4 32.8 49.2
71 24.7 31.2 46.8#

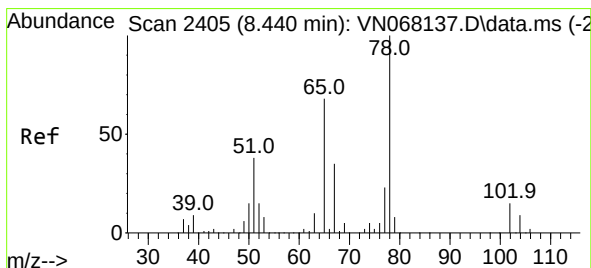
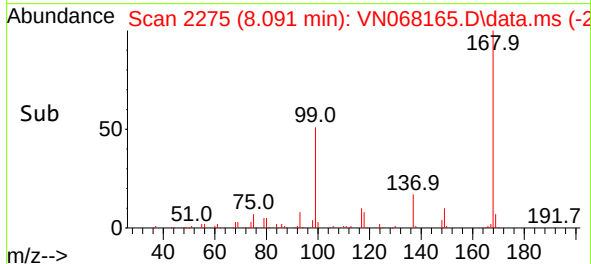
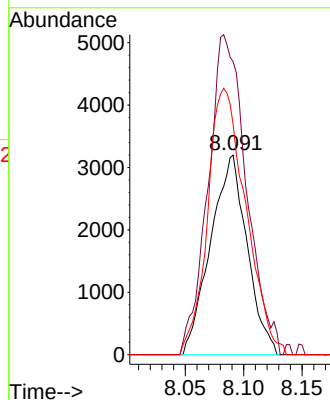
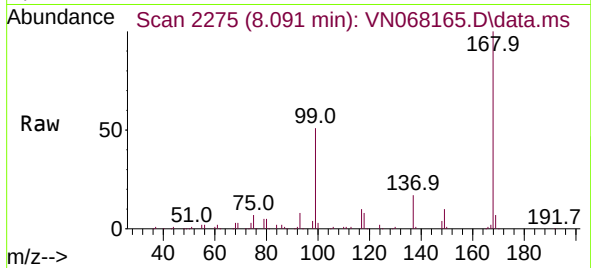




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

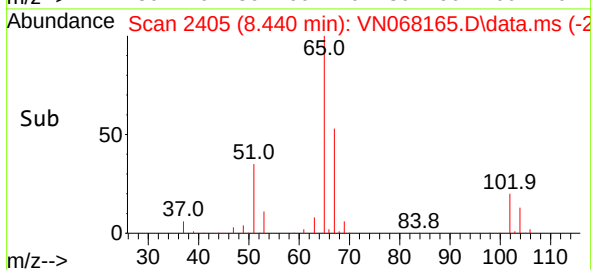
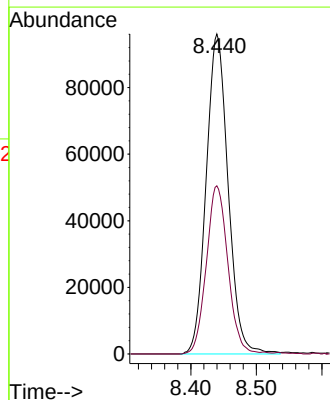
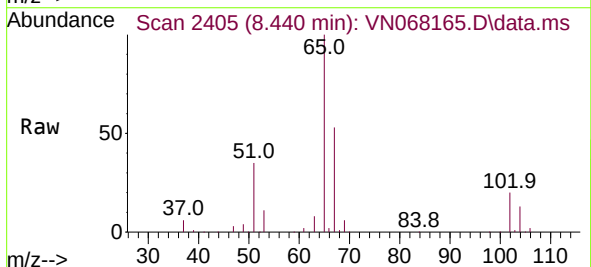
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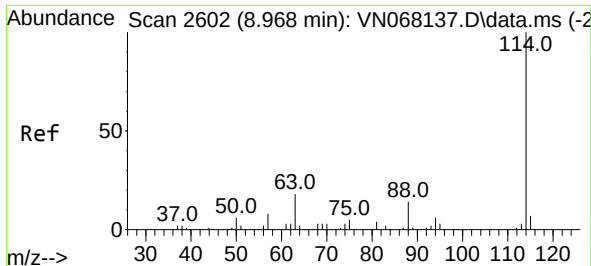
Tgt Ion: 56 Resp: 6955
Ion Ratio Lower Upper
56 100
69 146.7 27.3 40.9#
84 115.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.520 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 65 Resp: 222869
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

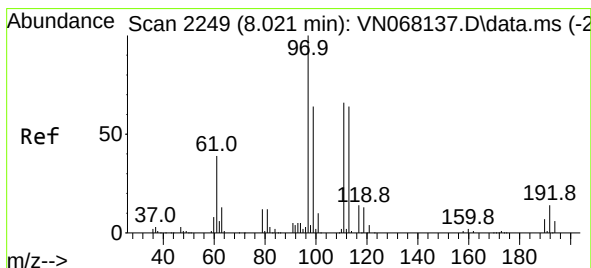
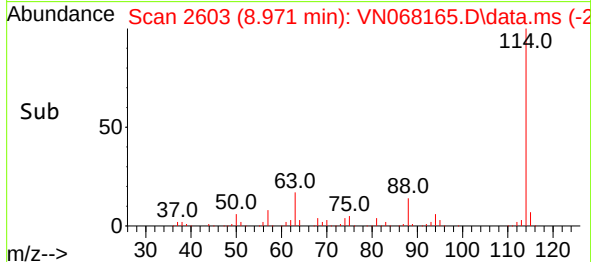
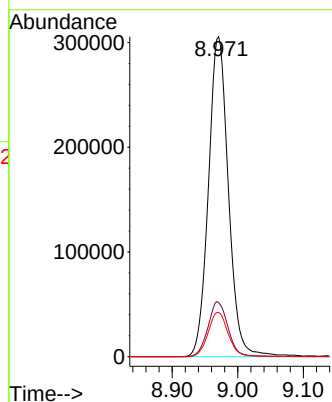
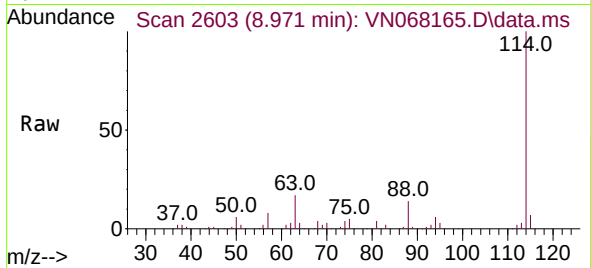




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

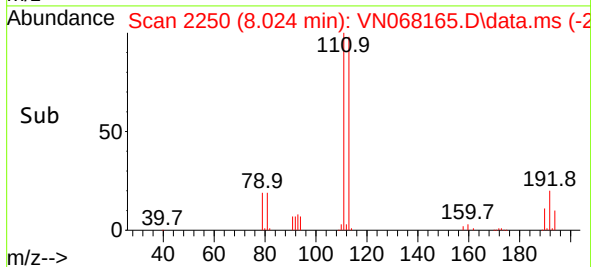
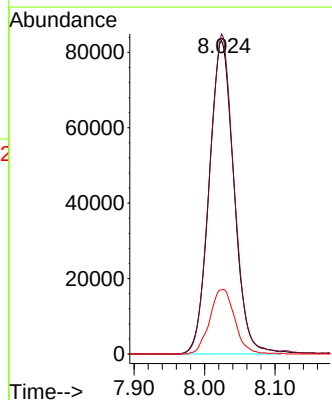
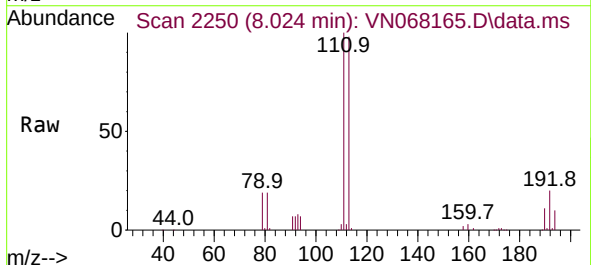
Instrument :
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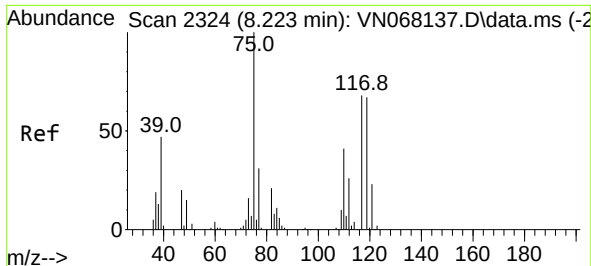
Tgt Ion:114 Resp: 645762
Ion Ratio Lower Upper
114 100
63 16.9 0.0 49.0
88 13.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.960 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion:113 Resp: 202550
Ion Ratio Lower Upper
113 100
111 101.2 83.8 125.8
192 20.7 13.4 20.0#

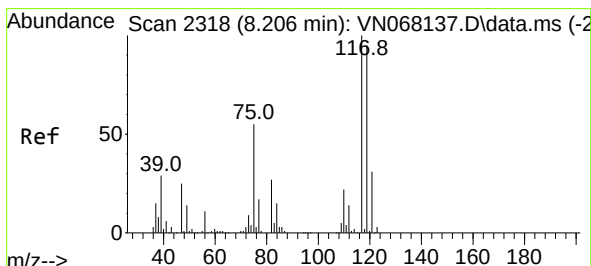
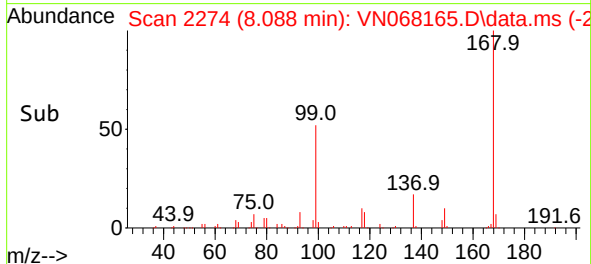
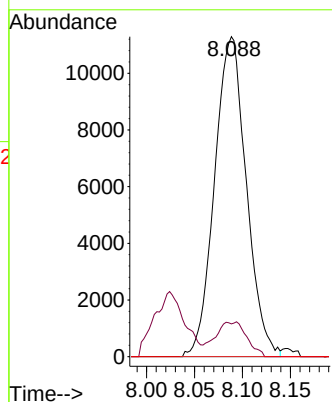
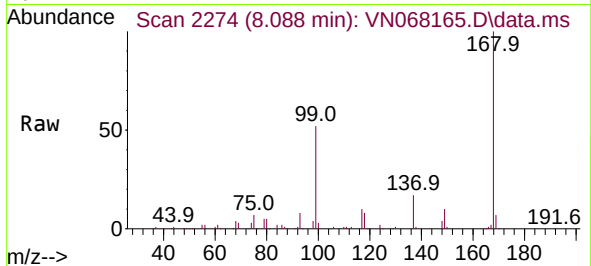




#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.135 min
 Lab File: VN068165.D
 Acq: 18 Aug 2021 1:28

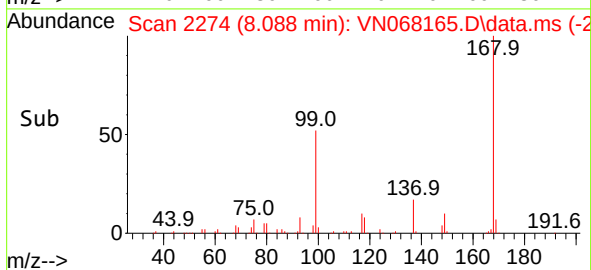
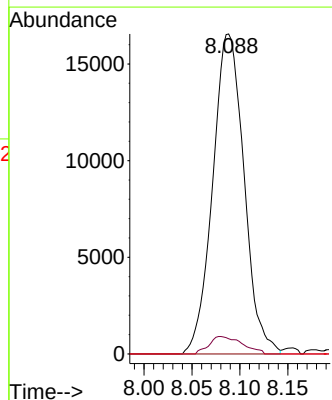
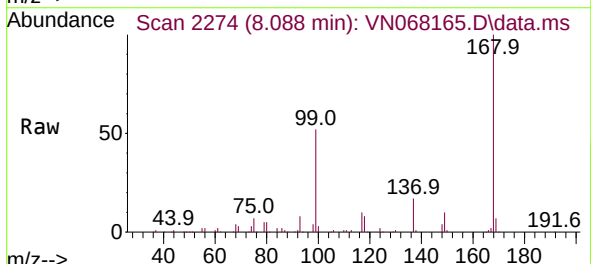
Instrument :
 MSVOA_N
 ClientSampleId :
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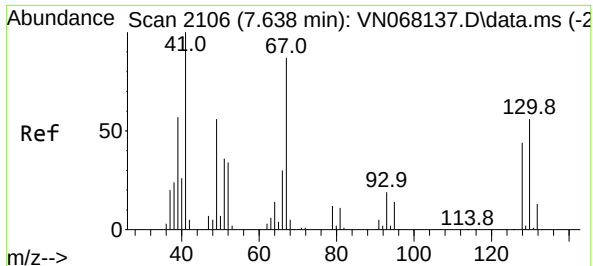
Tgt Ion: 75 Resp: 26038
 Ion Ratio Lower Upper
 75 100
 110 3.0 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.182 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN068165.D
 Acq: 18 Aug 2021 1:28

Tgt Ion: 117 Resp: 37638
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.4 113.2#
 121 0.0 23.5 35.3#

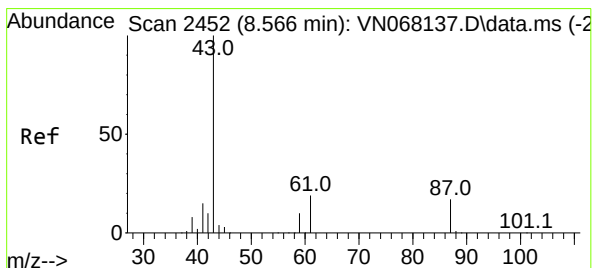
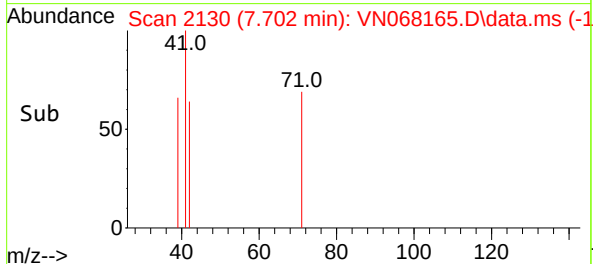
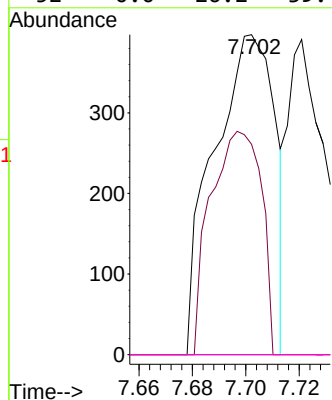
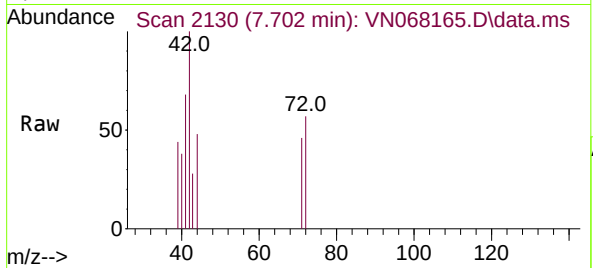




#41
Methacrylonitrile
Concen: 0.307 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.064 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

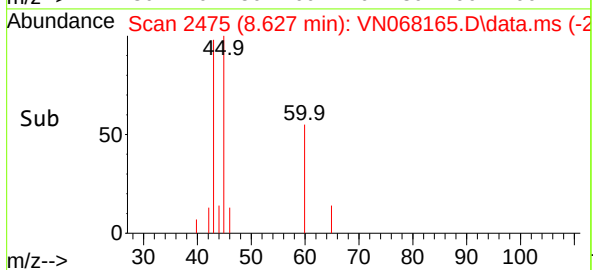
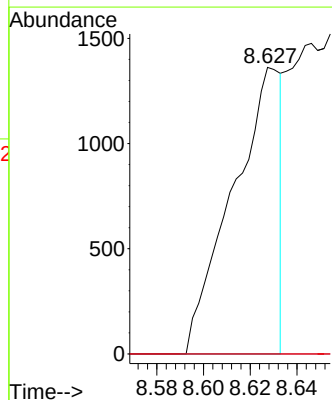
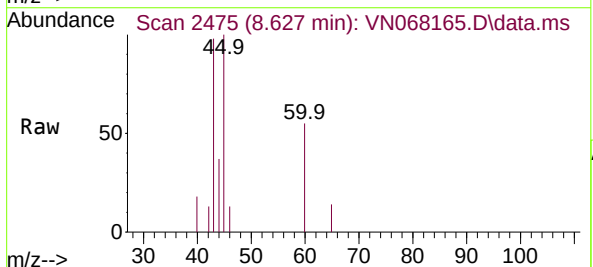
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

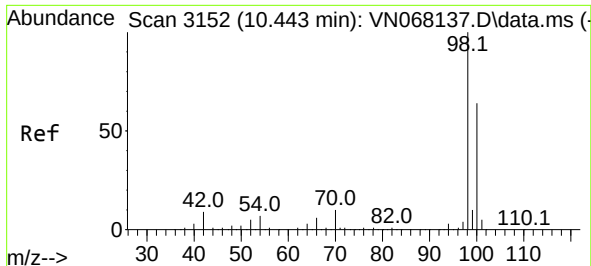
Tgt Ion: 41	Resp: 630
Ion Ratio	Lower Upper
41	100
39	57.9 47.6 71.4
67	0.0 57.7 86.5#
52	0.0 26.2 39.4#



#43
Isopropyl Acetate
Concen: 0.272 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.061 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 43	Resp: 1957
Ion Ratio	Lower Upper
43	100
61	0.0 19.0 28.4#
87	0.0 9.5 14.3#

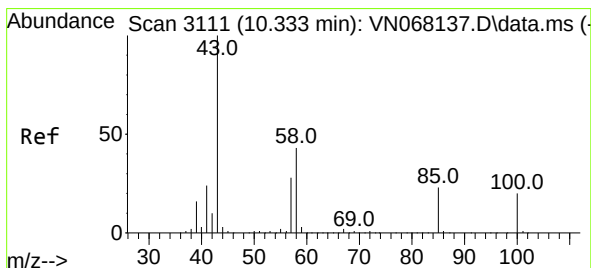
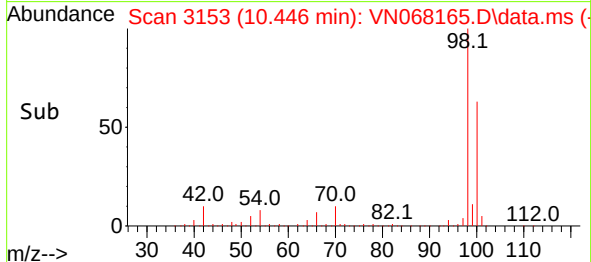
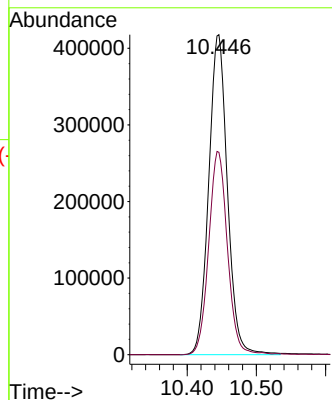
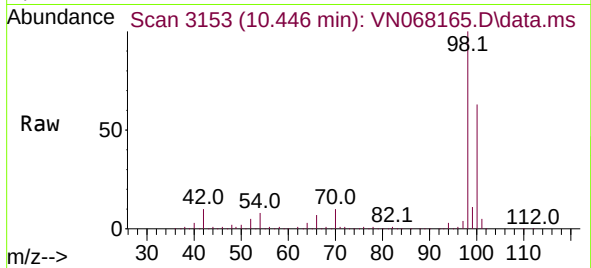




#50
Toluene-d8
Concen: 50.754 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

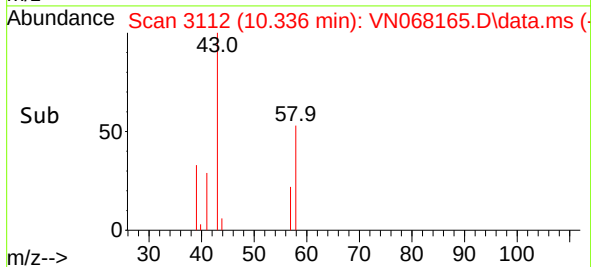
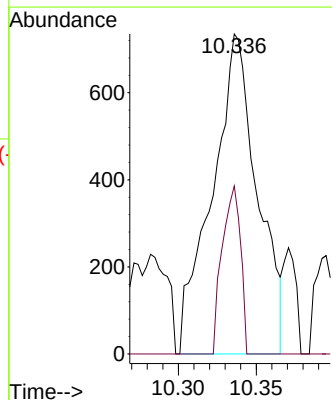
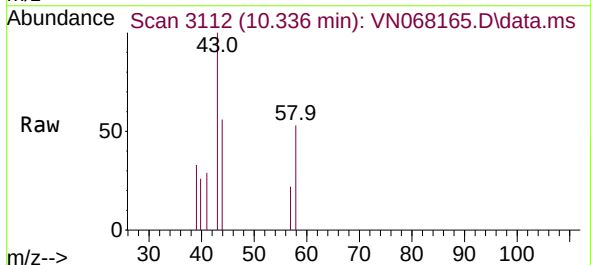
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

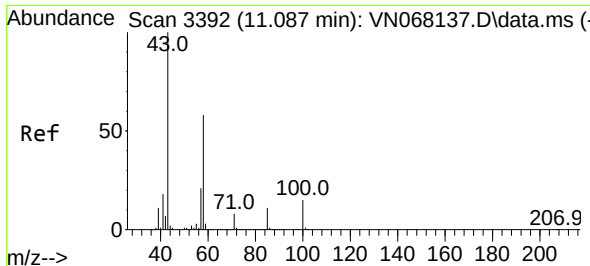
Tgt Ion: 98 Resp: 784050
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.336 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 21.1 28.6 43.0#

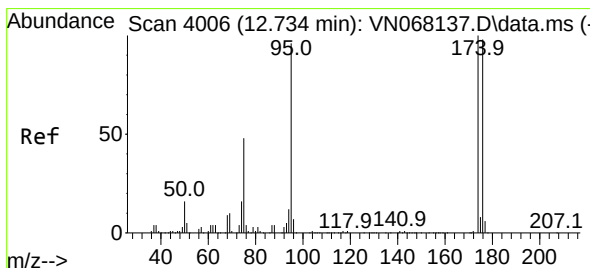
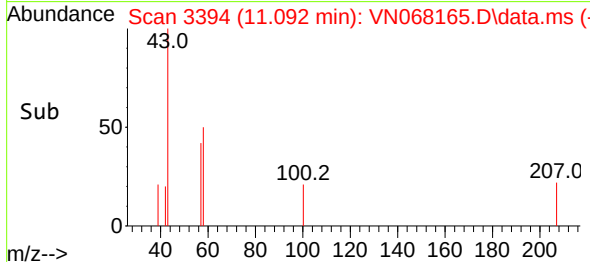
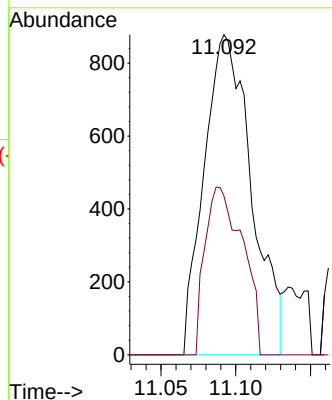
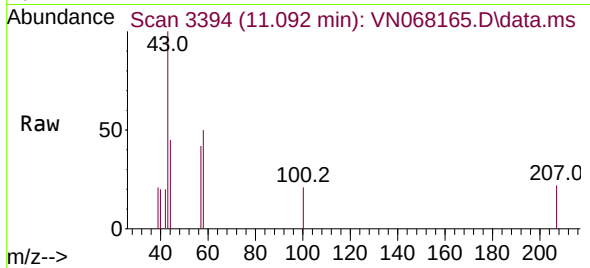




#59
2-Hexanone
Concen: 0.630 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

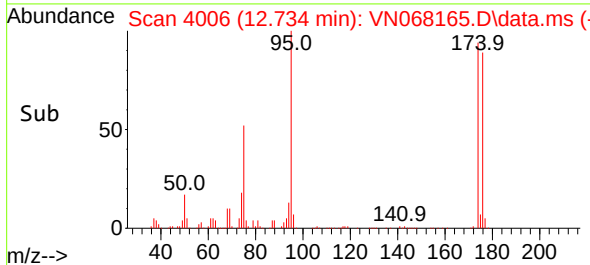
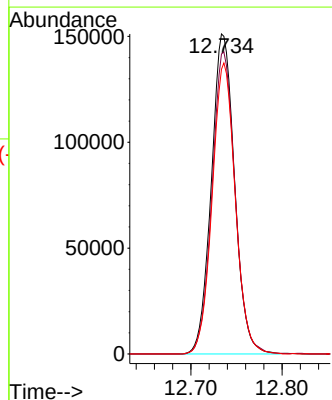
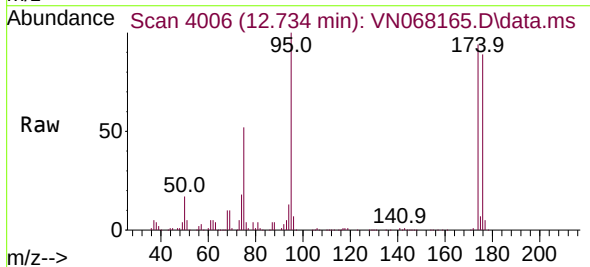
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

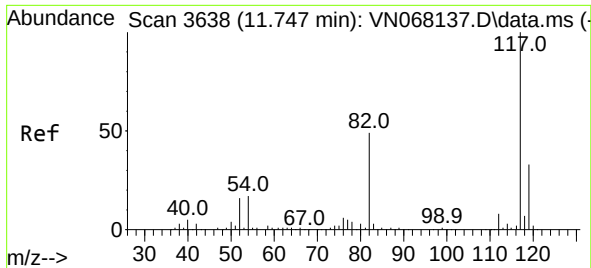
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 41.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 51.998 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 95 Resp: 267407
Ion Ratio Lower Upper
95 100
174 93.9 0.0 122.0
176 90.3 0.0 117.6

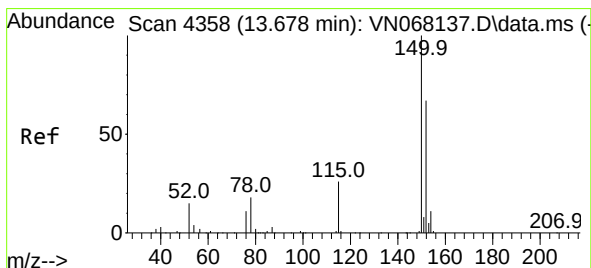
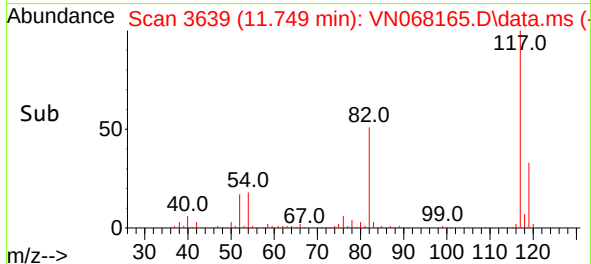
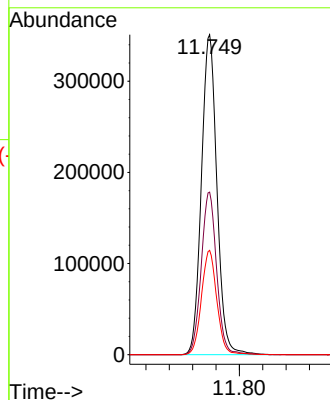
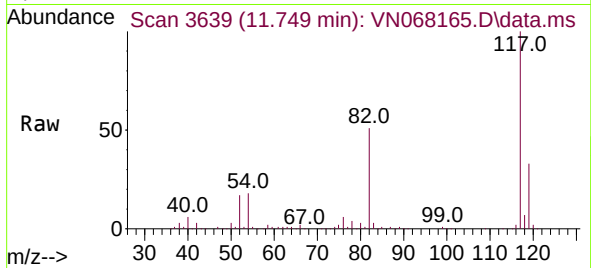




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

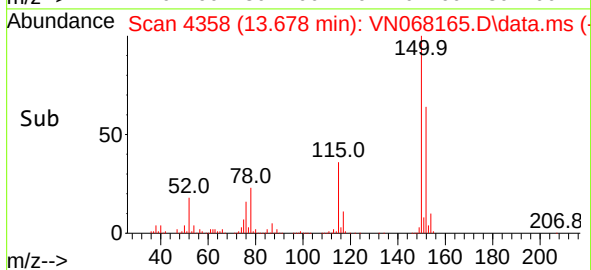
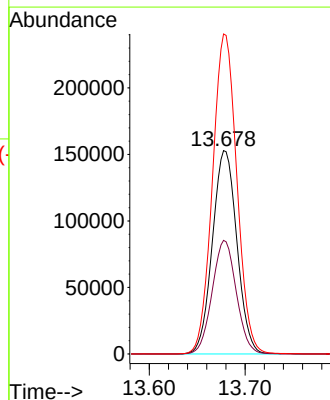
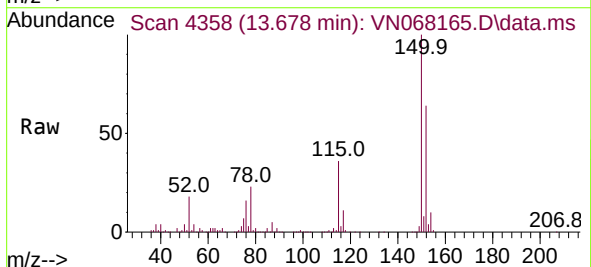
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

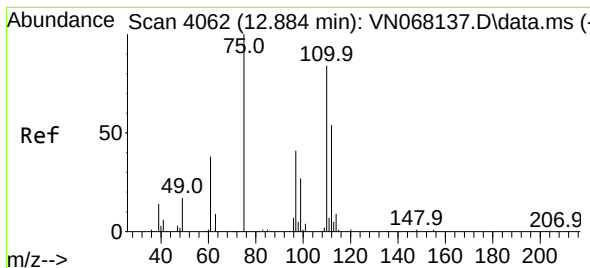
Tgt Ion:117 Resp: 647331
Ion Ratio Lower Upper
117 100
82 50.8 53.1 79.7#
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion:152 Resp: 270893
Ion Ratio Lower Upper
152 100
115 55.1 36.1 108.5
150 156.6 0.0 351.8

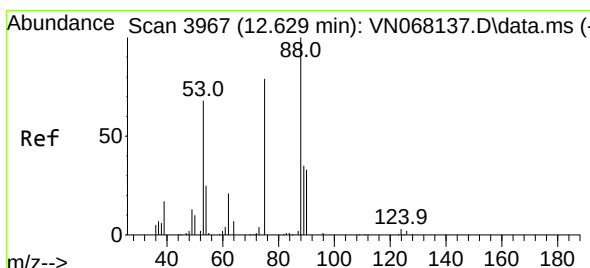
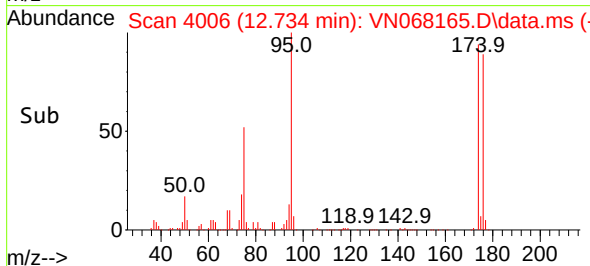
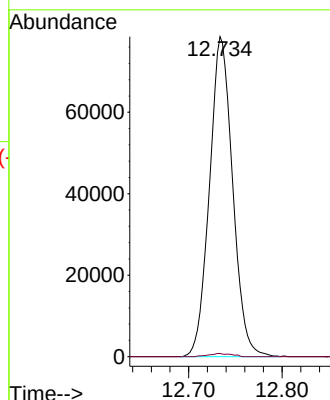
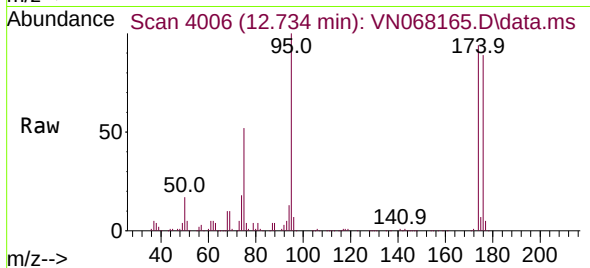




#76
1,2,3-Trichloropropane
Concen: 30.119 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

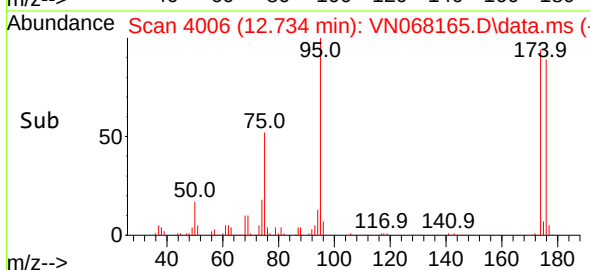
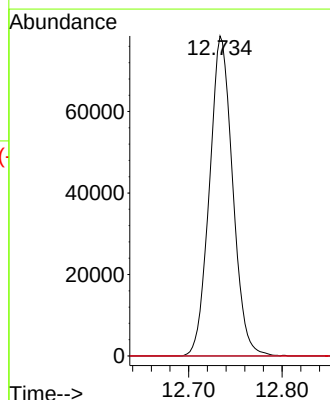
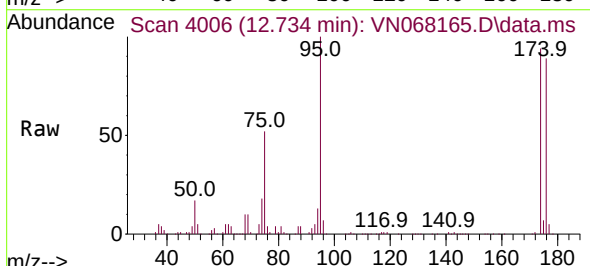
Instrument :
MSVOA_N
ClientSampleId :
2021-08-11-EB-02

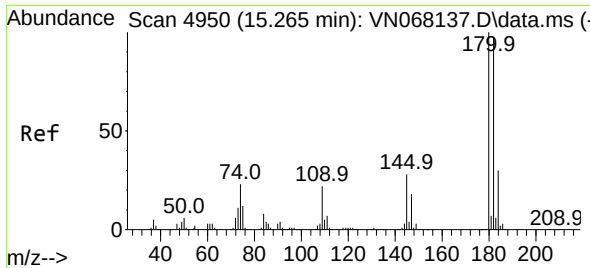
Tgt Ion: 75 Resp: 135612
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.675 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

Tgt Ion: 75 Resp: 135612
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

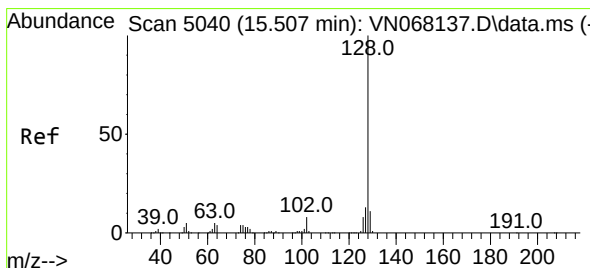
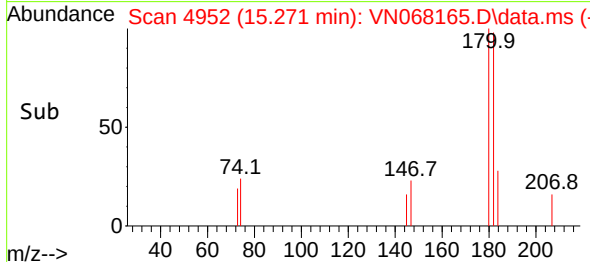
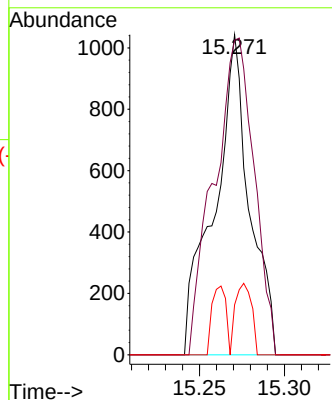
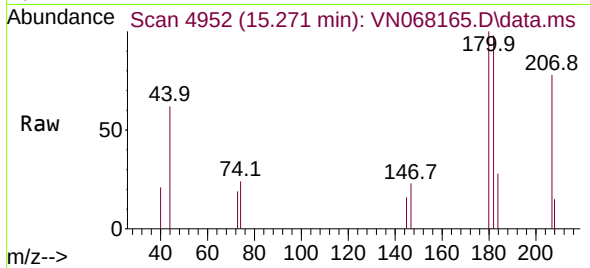




#93
1,2,4-Trichlorobenzene
Concen: 3.000 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

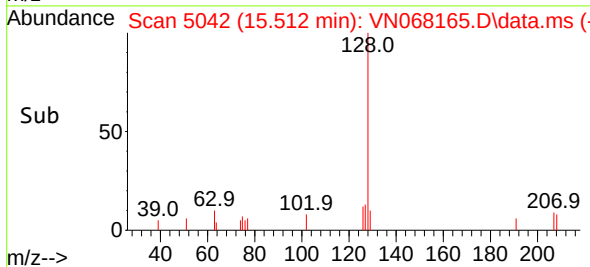
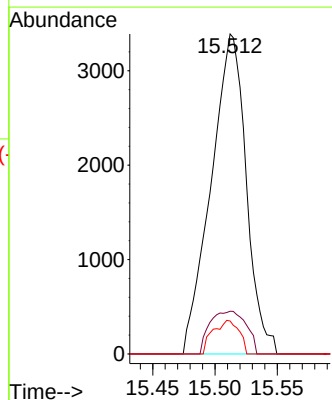
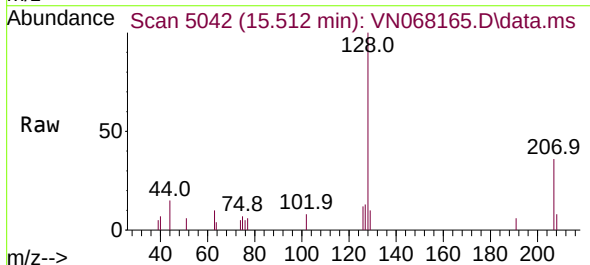
Instrument :
MSVOA_N
ClientSampleId :
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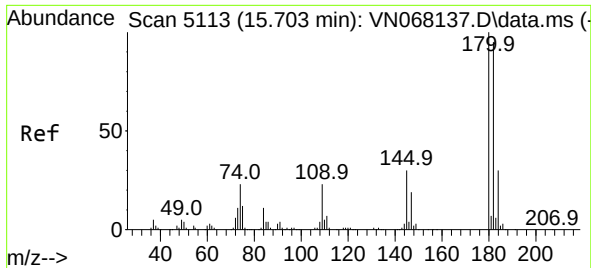
Tgt Ion:180 Resp: 1502
Ion Ratio Lower Upper
180 100
182 112.8 47.5 142.5
145 10.3 17.2 51.6#



#95
Naphthalene
Concen: 3.928 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068165.D
Acq: 18 Aug 2021 1:28

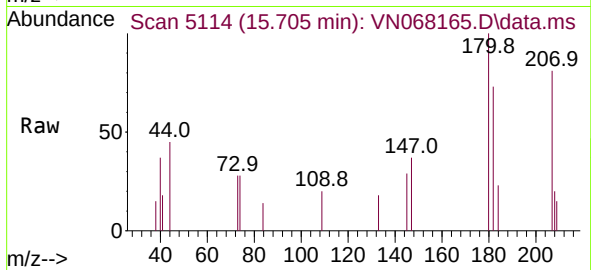
Tgt Ion:128 Resp: 6649
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 7.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.266 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068165.D
 Acq: 18 Aug 2021 1:28

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-11-EB-02



Tgt Ion:	180	Resp:	1979
Ion	Ratio	Lower	Upper
180	100		
182	78.3	47.8	143.3
145	27.3	18.2	54.6

