

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068225.D
 Acq On : 19 Aug 2021 18:43
 Operator : JC/MD
 Sample : PB138556ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:55:44 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)

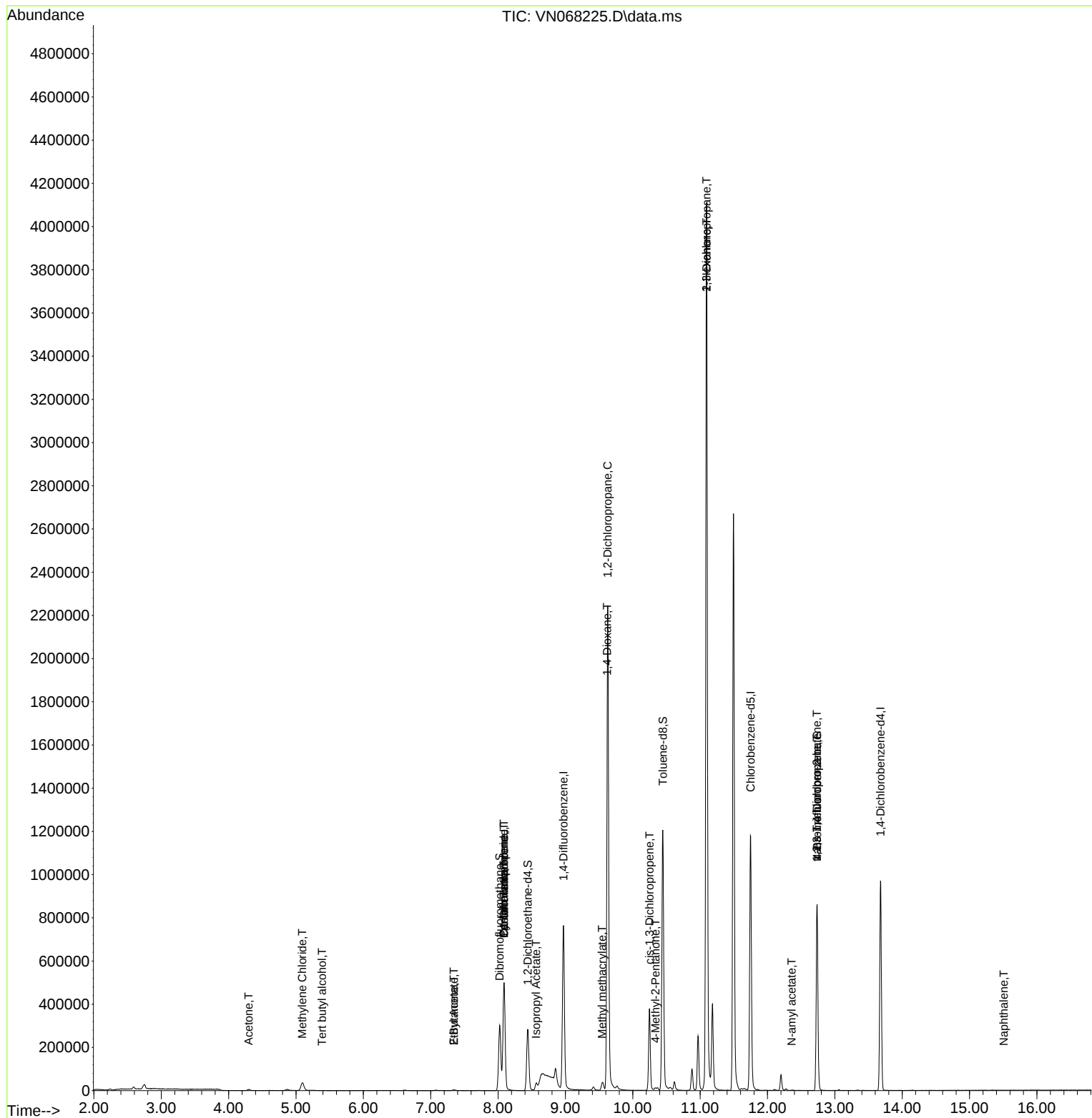
Internal Standards						
1) Pentafluorobenzene	8.088	168	412698	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	725048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	771753	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	286629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	239662	54.388	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.780%	
35) Dibromofluoromethane	8.024	113	217813	47.849	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.700%	
50) Toluene-d8	10.446	98	894272	51.558	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.120%	
62) 4-Bromofluorobenzene	12.736	95	288283	49.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.880	94	917	Below Cal		84
6) Chloroethane	3.081	64	52	Below Cal	#	44
11) Tert butyl alcohol	5.387	59	422	0.768	ug/l #	71
13) Acrolein	4.052	56	79	Below Cal		96
16) Acetone	4.296	43	10195	7.924	ug/l	99
18) Methyl Acetate	4.870	43	10314	Below Cal	#	74
20) Methylene Chloride	5.092	84	30809	6.819	ug/l #	76
25) 2-Butanone	7.343	43	1812	0.904	ug/l	98
31) Cyclohexane	8.088	56	7425	1.279	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27064	4.566	ug/l #	48
37) Ethyl Acetate	7.343	43	1812	0.359	ug/l #	69
38) Carbon Tetrachloride	8.088	117	38700	5.661	ug/l #	17
43) Isopropyl Acetate	8.566	43	42673	5.276	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	2824	0.664	ug/l #	44
48) Methyl methacrylate	9.545	41	9355	2.776	ug/l #	12
49) 1,4-Dioxane	9.620	88	181	2.222	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	7220	1.453	ug/l	97
54) cis-1,3-Dichloropropene	10.247	75	71852	10.468	ug/l #	54
57) 1,3-Dichloropropane	11.095	76	48025	6.327	ug/l #	43
59) 2-Hexanone	11.095	43	576069	166.983	ug/l #	58
74) N-amyl acetate	12.358	43	1105	0.208	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	145028	30.442	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	145028	99.733	ug/l #	6
95) Naphthalene	15.507	128	478	3.384	ug/l #	69

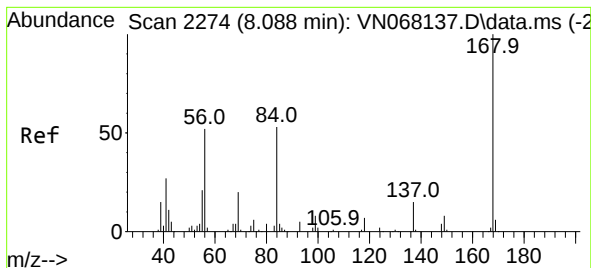
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 01:55:44 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: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068225.D

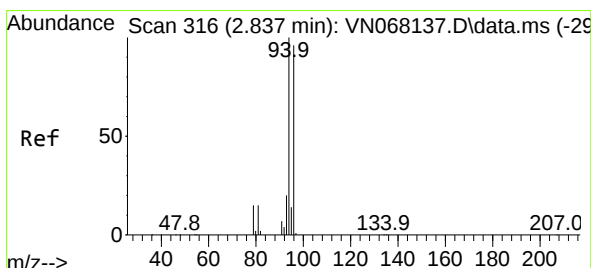
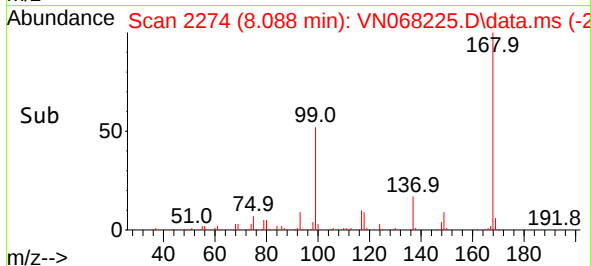
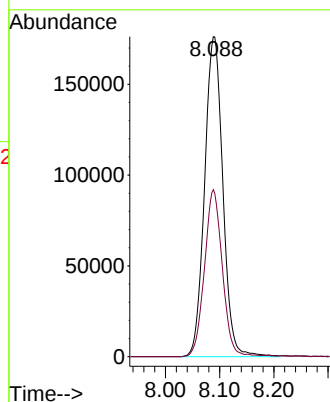
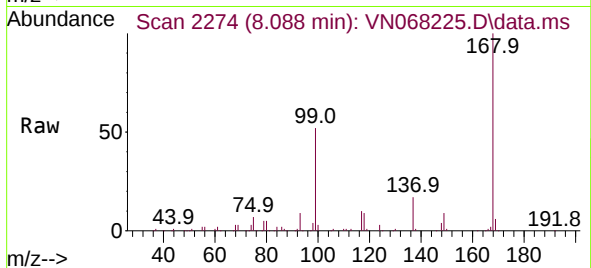
Acq: 19 Aug 2021 18:43

Tgt Ion:168 Resp: 412698

Ion Ratio Lower Upper

168 100

99 52.2 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.880 min Scan# 332

Delta R.T. 0.043 min

Lab File: VN068225.D

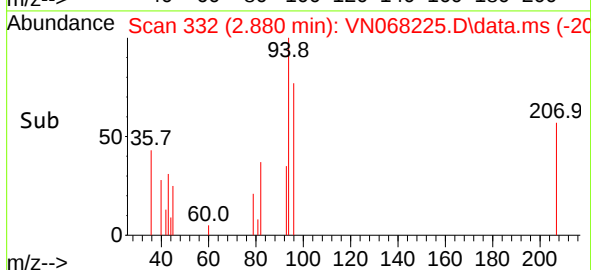
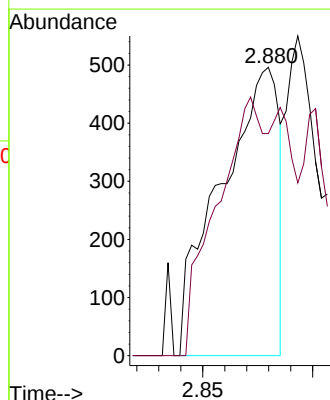
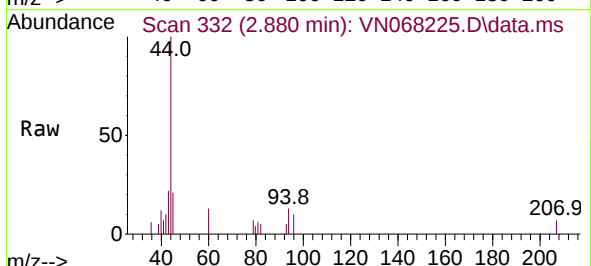
Acq: 19 Aug 2021 18:43

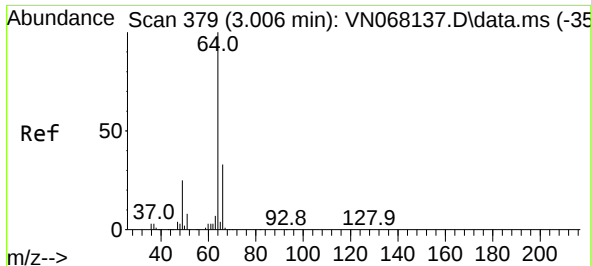
Tgt Ion: 94 Resp: 917

Ion Ratio Lower Upper

94 100

96 77.0 73.7 110.5

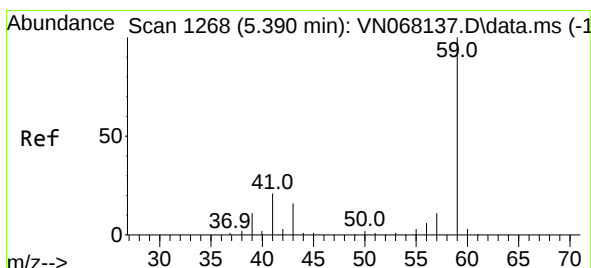
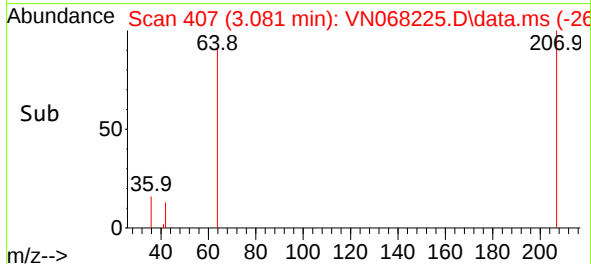
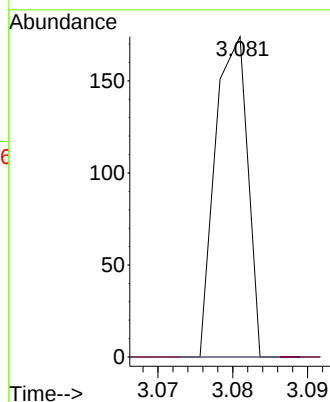
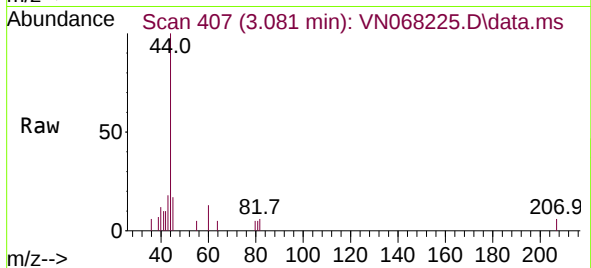




#6
Chloroethane
Concen: Below Cal
RT: 3.081 min Scan# 407
Delta R.T. 0.075 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

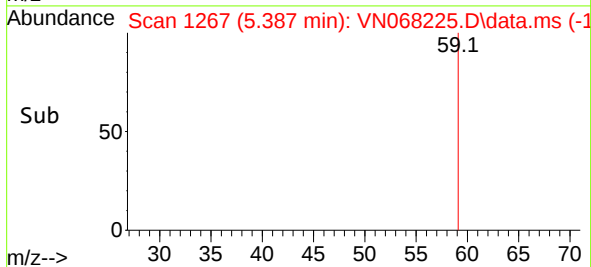
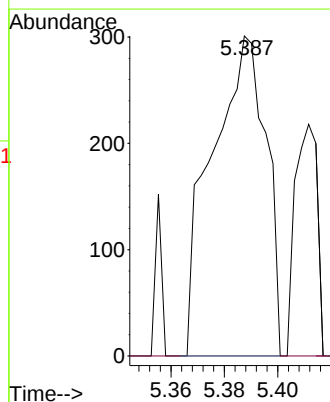
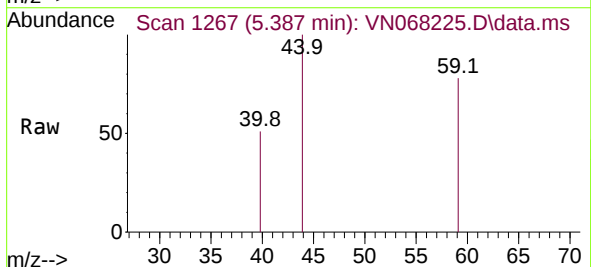
Instrument :
MSVOA_N
ClientSampled :

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



#11
Tert butyl alcohol
Concen: 0.768 ug/l
RT: 5.387 min Scan# 1267
Delta R.T. -0.003 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

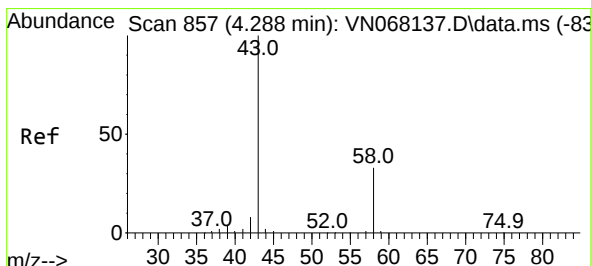
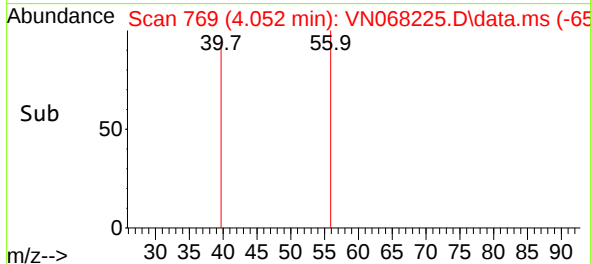
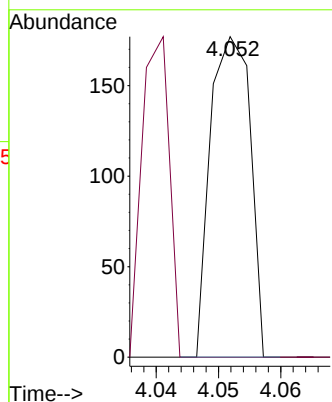
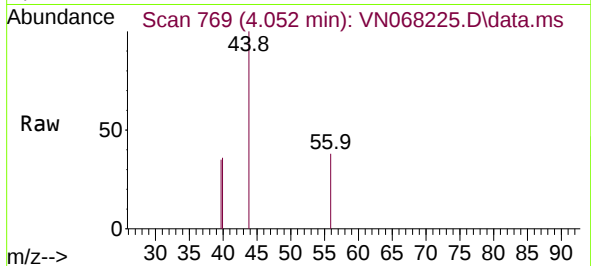




#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

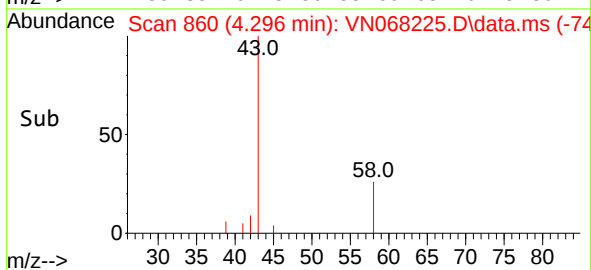
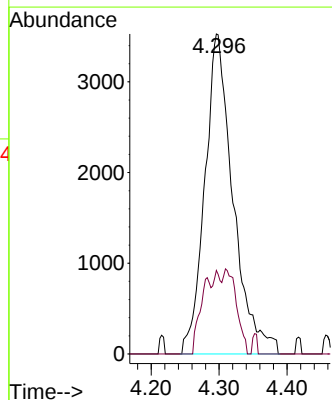
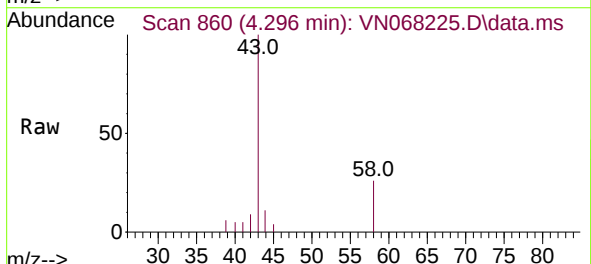
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 68.4 57.4 86.0



#16
Acetone
Concen: 7.924 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

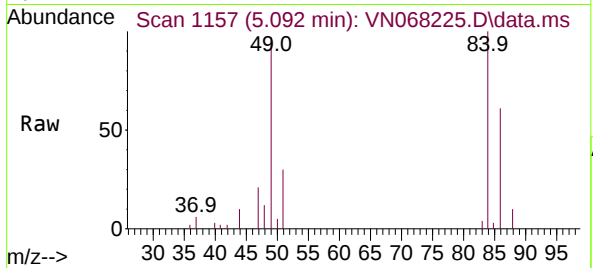
Tgt Ion: 43 Resp: 10195
Ion Ratio Lower Upper
43 100
58 26.1 21.2 31.8



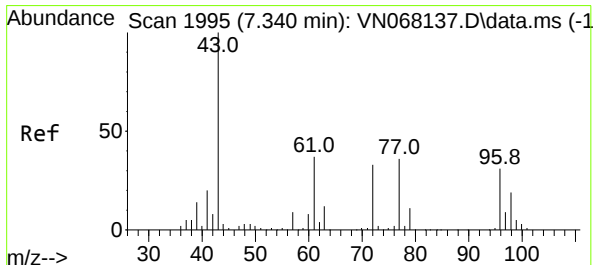
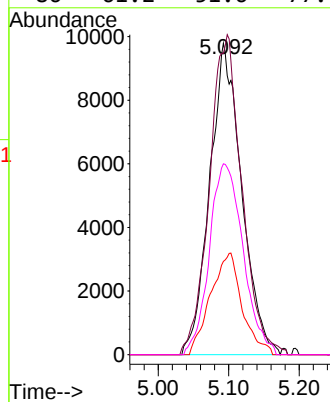
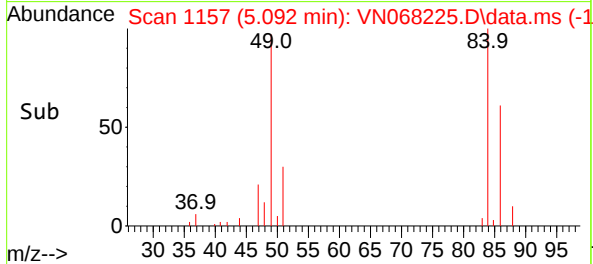


#20
Methylene Chloride
Concen: 6.819 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.001 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

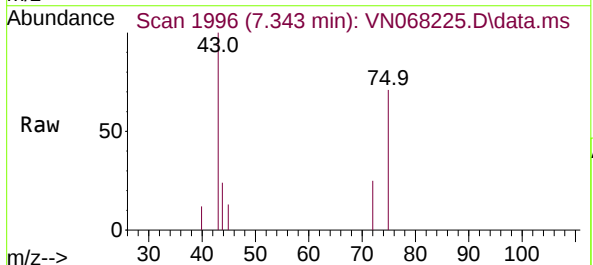
Instrument :
MSVOA_N
ClientSampled :



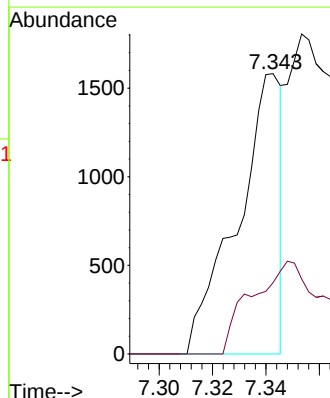
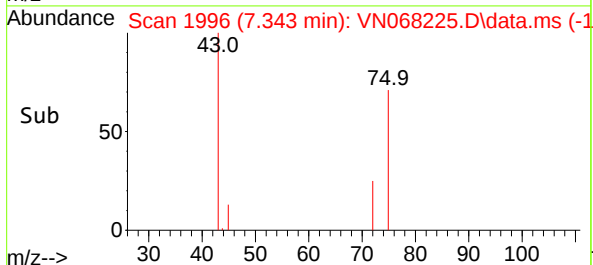
Tgt Ion:	84	Resp:	30809
Ion	Ratio	Lower	Upper
84	100		
49	96.7	110.9	166.3#
51	29.9	32.6	49.0#
86	61.2	51.6	77.4

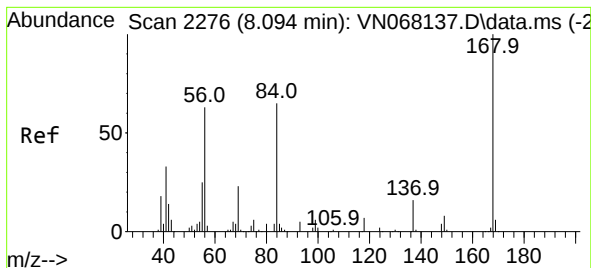


#25
2-Butanone
Concen: 0.904 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43



Tgt Ion:	43	Resp:	1812
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.7	29.5





#31

Cyclohexane

Concen: 1.279 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068225.D

Acq: 19 Aug 2021 18:43

Tgt Ion: 56 Resp: 7425

Ion Ratio Lower Upper

56 100

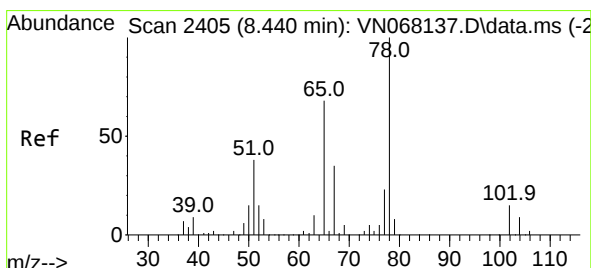
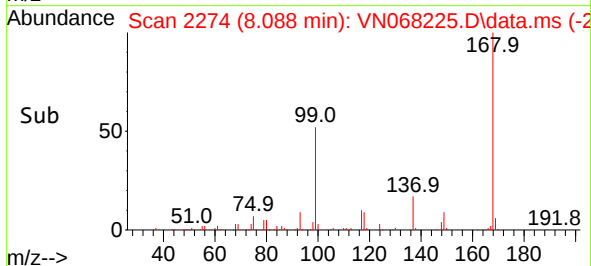
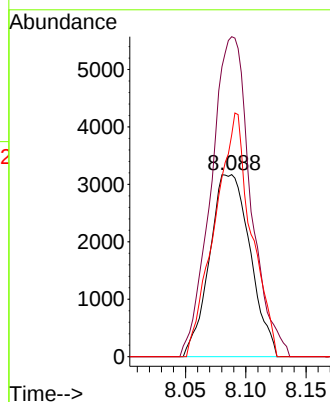
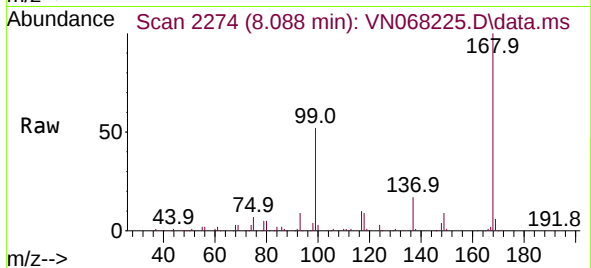
69 175.7 27.3 40.9#

84 121.9 64.9 97.3#

Instrument :

MSVOA_N

ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 54.388 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068225.D

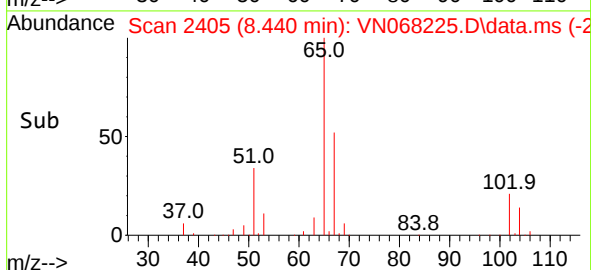
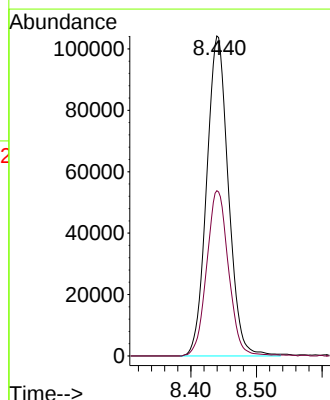
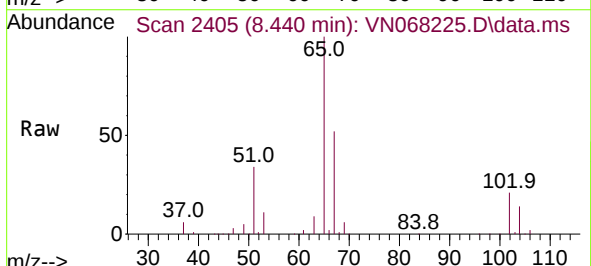
Acq: 19 Aug 2021 18:43

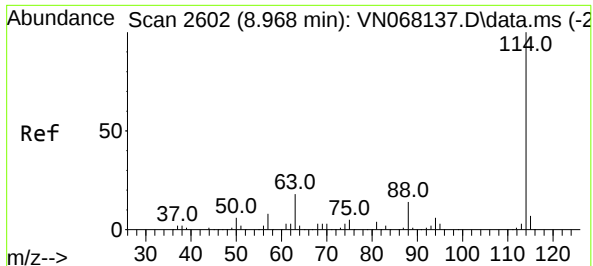
Tgt Ion: 65 Resp: 239662

Ion Ratio Lower Upper

65 100

67 51.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068225.D

Acq: 19 Aug 2021 18:43

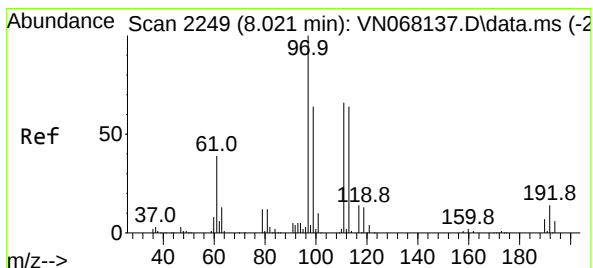
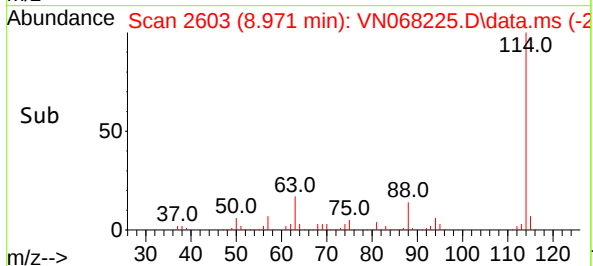
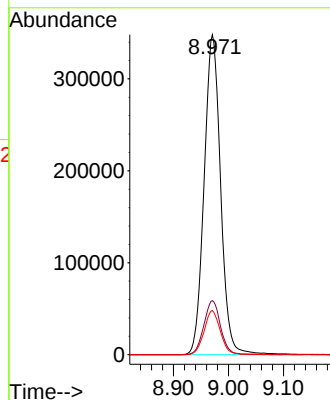
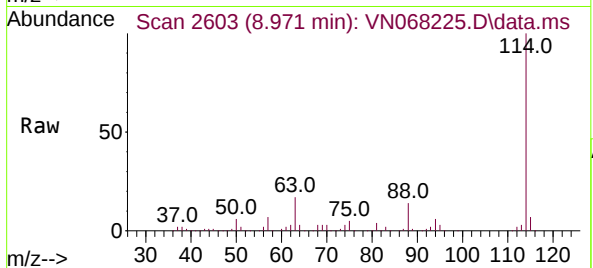
Tgt Ion:114 Resp: 725048

Ion Ratio Lower Upper

114 100

63 16.9 0.0 49.0

88 13.8 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.849 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN068225.D

Acq: 19 Aug 2021 18:43

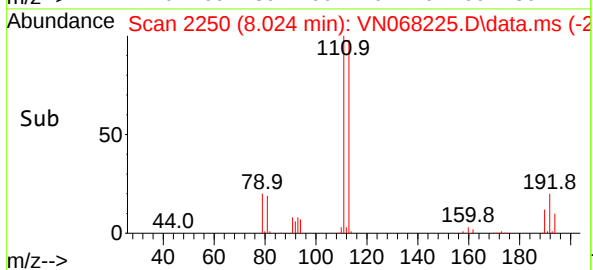
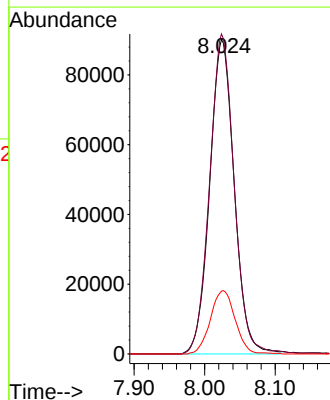
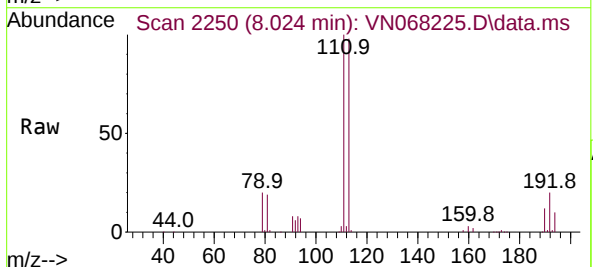
Tgt Ion:113 Resp: 217813

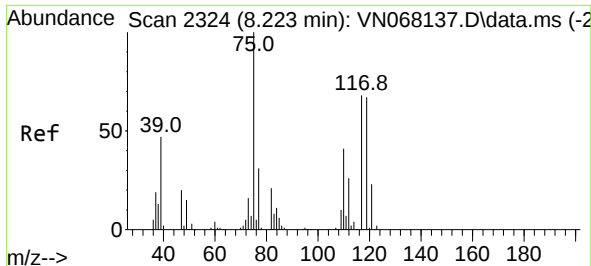
Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.8

192 20.2 13.4 20.0#

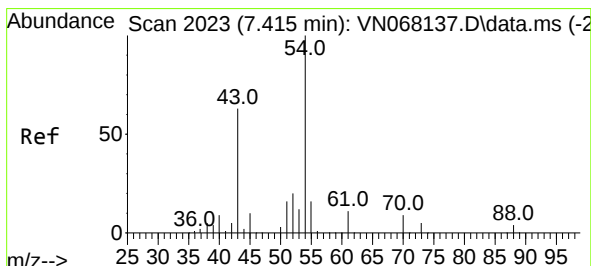
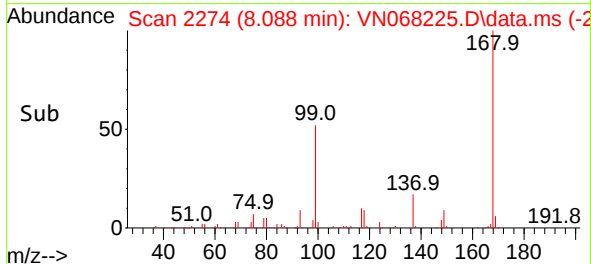
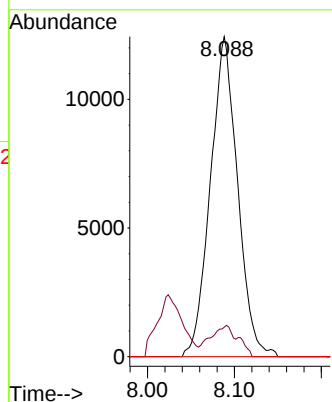
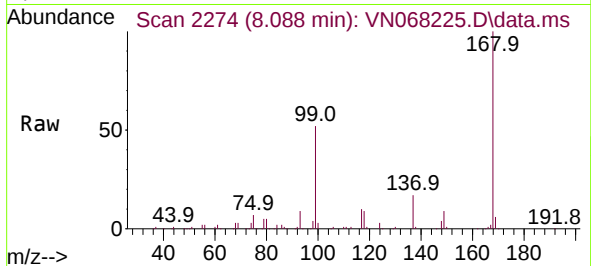




#36
 1,1-Dichloropropene
 Concen: 4.566 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.135 min
 Lab File: VN068225.D
 Acq: 19 Aug 2021 18:43

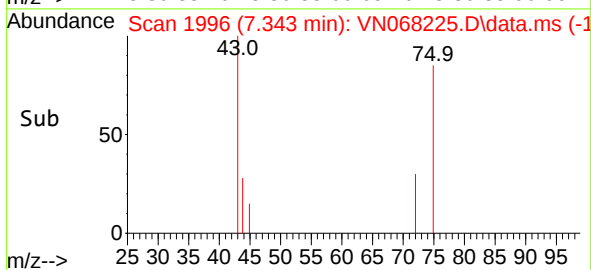
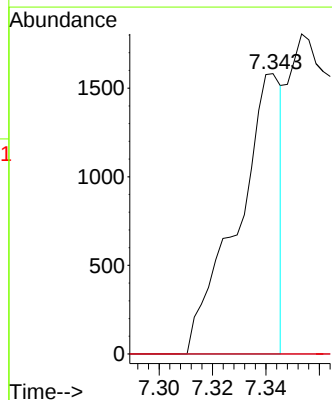
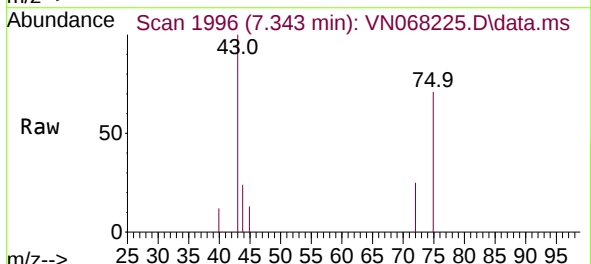
Instrument :
 MSVOA_N
 ClientSampled :

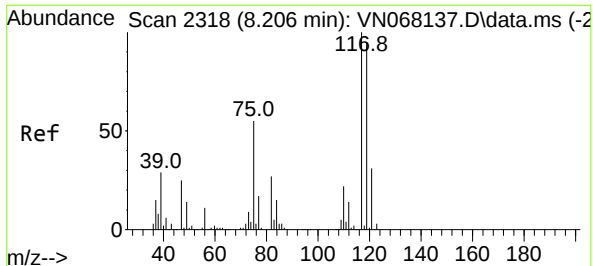
Tgt Ion: 75 Resp: 27064
 Ion Ratio Lower Upper
 75 100
 110 4.6 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.359 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.072 min
 Lab File: VN068225.D
 Acq: 19 Aug 2021 18:43

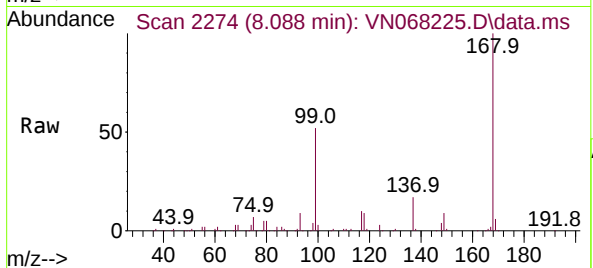
Tgt Ion: 43 Resp: 1812
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



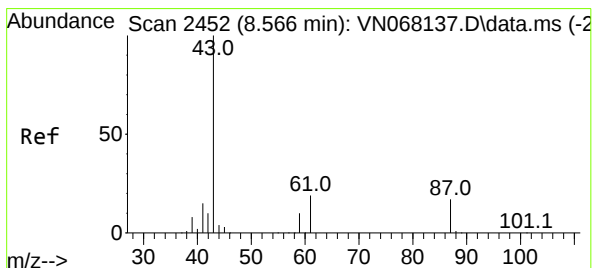
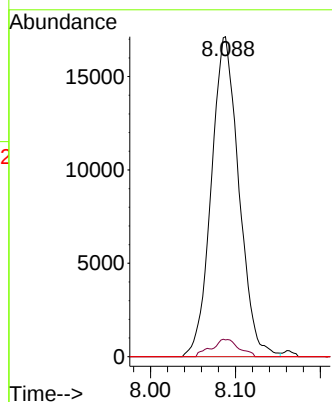
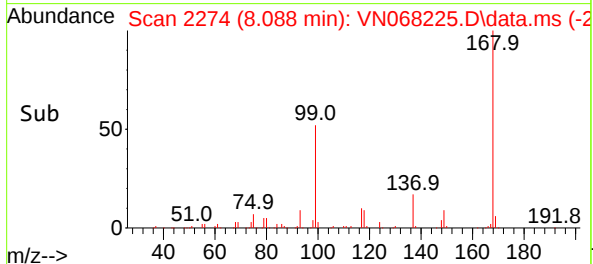


#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

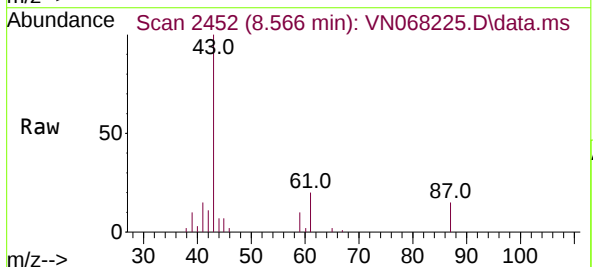
Instrument :
MSVOA_N
ClientSampled :



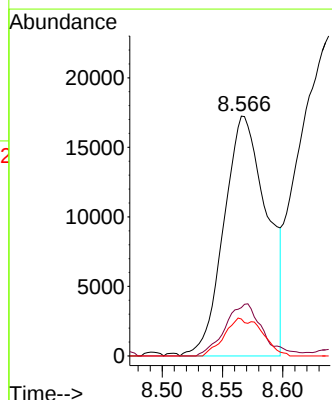
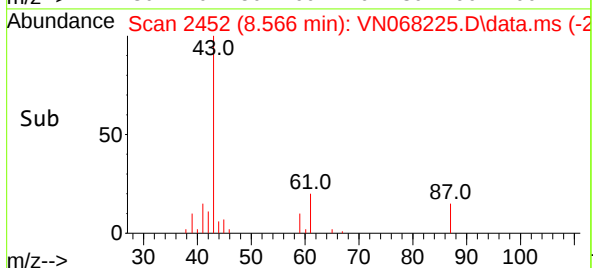
Tgt Ion:117 Resp: 38700
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

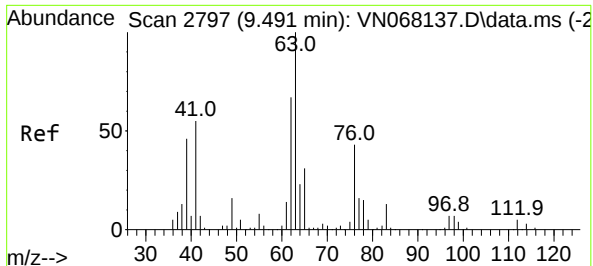


#43
Isopropyl Acetate
Concen: 5.276 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43



Tgt Ion: 43 Resp: 42673
Ion Ratio Lower Upper
43 100
61 19.1 19.0 28.4
87 8.4 9.5 14.3#



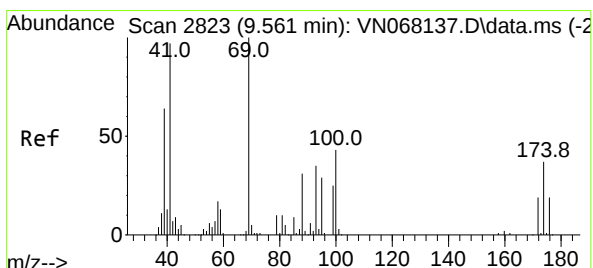
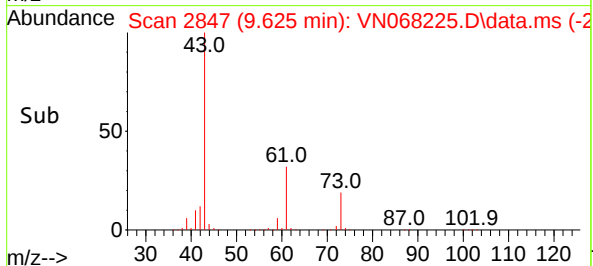
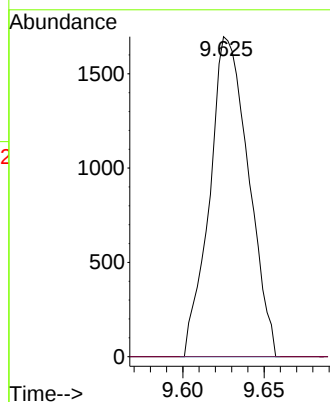
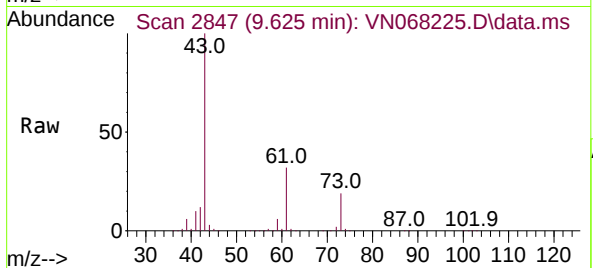


#45

1,2-Dichloropropane
Concen: 0.664 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Instrument :
MSVOA_N
ClientSampled :

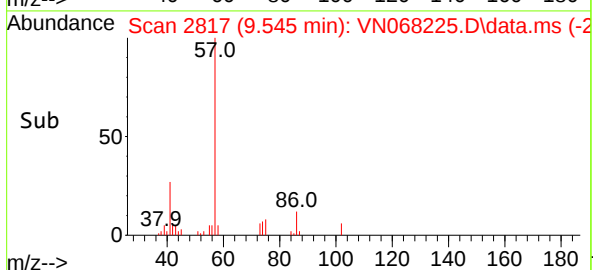
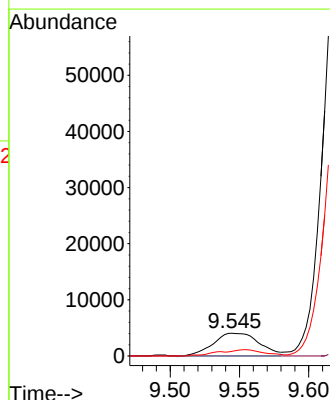
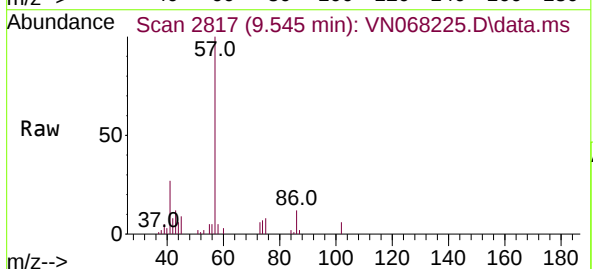
Tgt Ion: 63 Resp: 2824
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

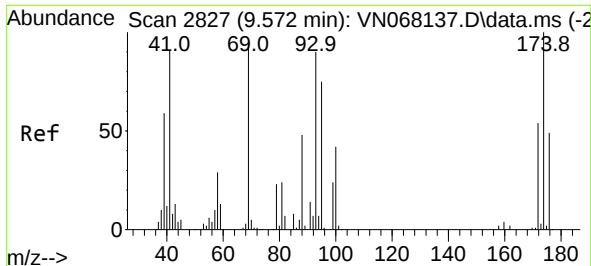


#48

Methyl methacrylate
Concen: 2.776 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 41 Resp: 9355
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: 2.222 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.048 min

Lab File: VN068225.D

Acq: 19 Aug 2021 18:43

Instrument :

MSVOA_N

ClientSampleId :

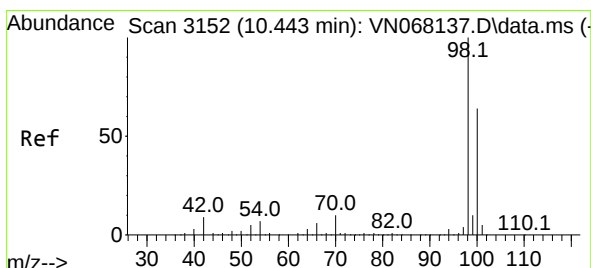
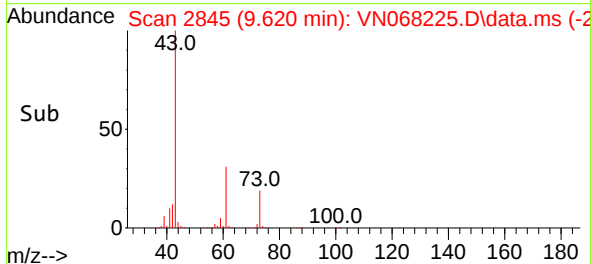
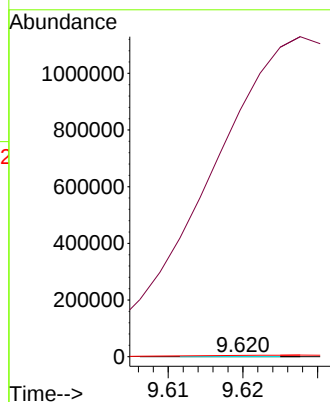
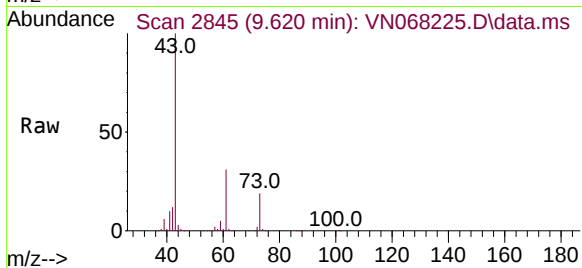
Tgt Ion: 88 Resp: 181

Ion Ratio Lower Upper

88 100

43 1167887.8 28.8 43.2#

58 6177.9 60.4 90.6#



#50

Toluene-d8

Concen: 51.558 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068225.D

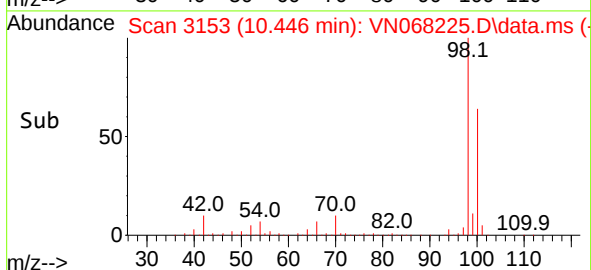
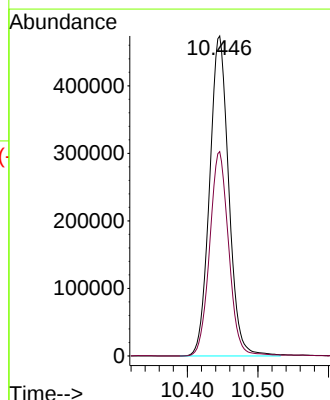
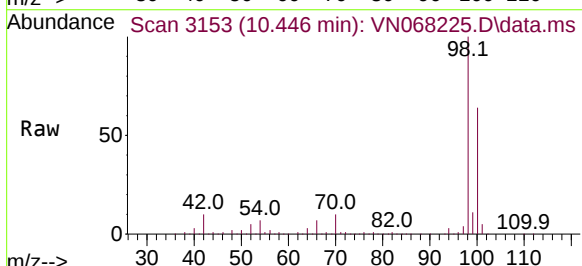
Acq: 19 Aug 2021 18:43

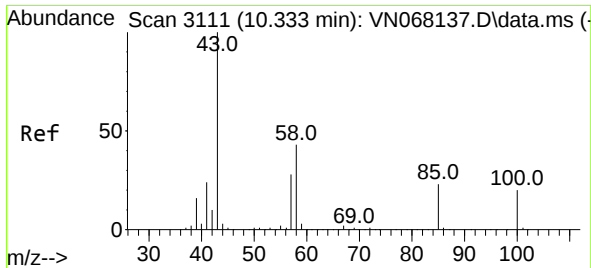
Tgt Ion: 98 Resp: 894272

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5

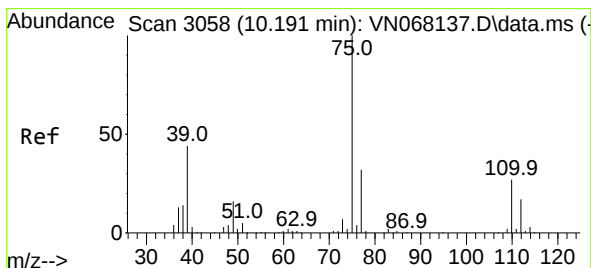
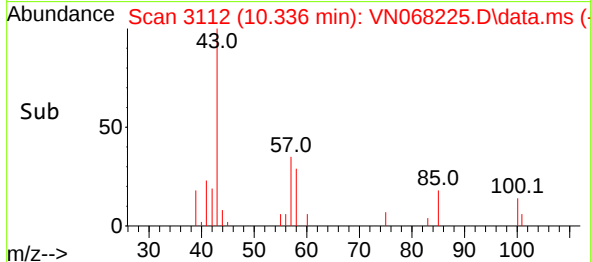
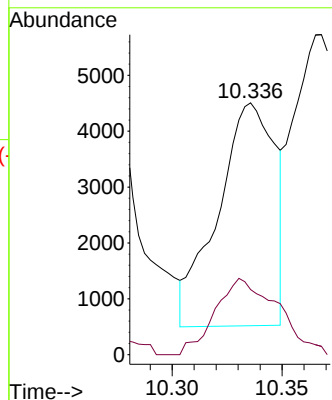
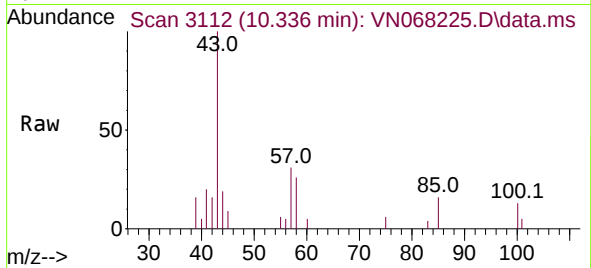




#51
4-Methyl-2-Pentanone
Concen: 1.453 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

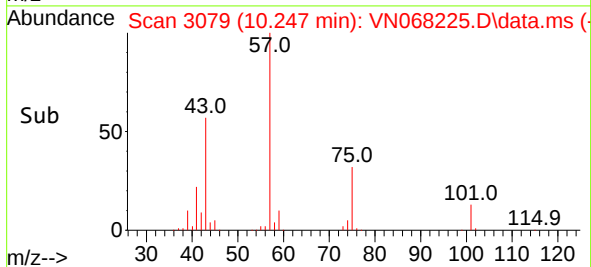
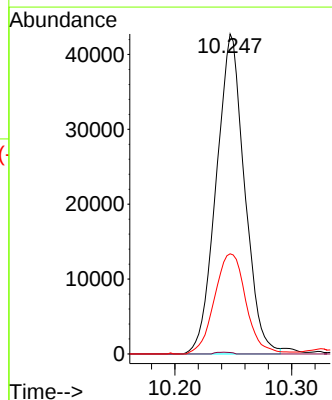
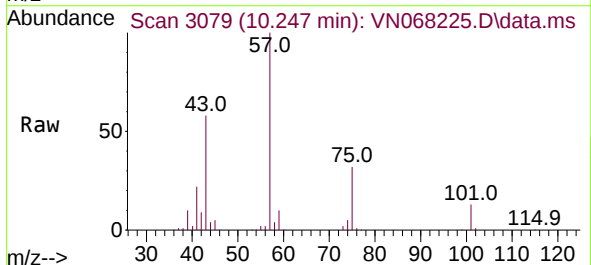
Instrument :
MSVOA_N
ClientSampled :

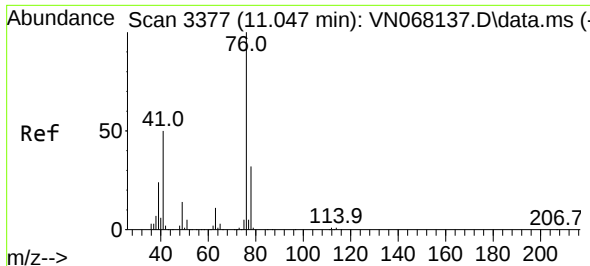
Tgt Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
58 37.5 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 10.468 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 75 Resp: 71852
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 31.3 50.7 76.1#

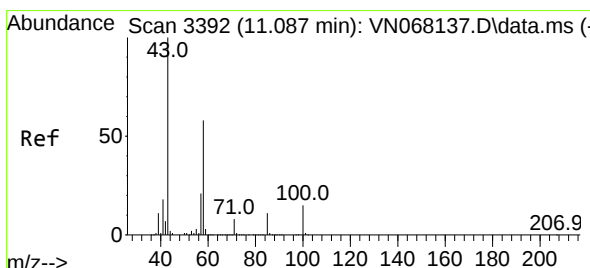
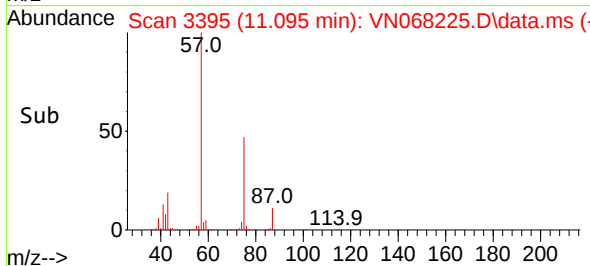
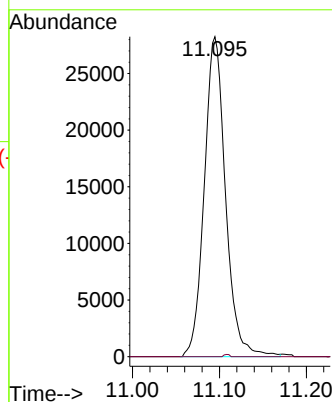
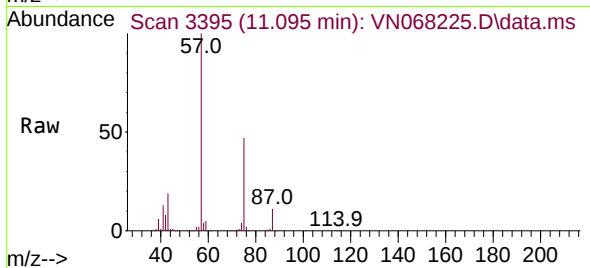




#57
1,3-Dichloropropane
Concen: 6.327 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

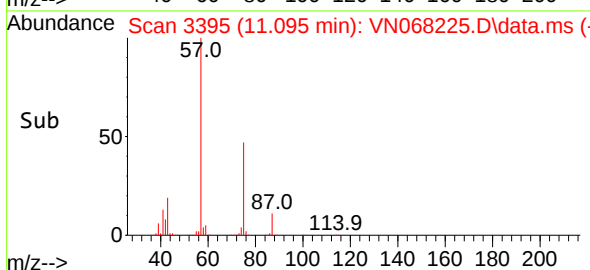
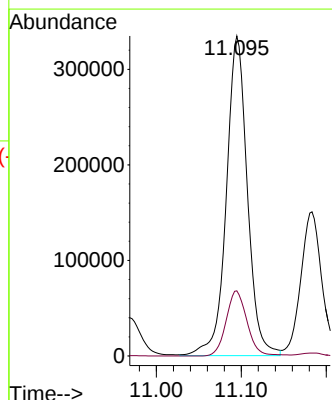
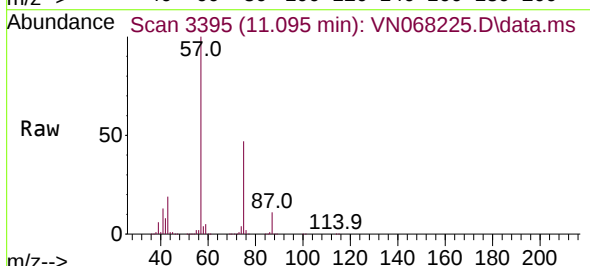
Instrument :
MSVOA_N
ClientSampled :

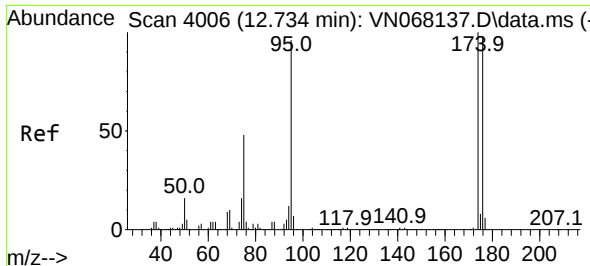
Tgt Ion: 76 Resp: 48025
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 166.983 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 43 Resp: 576069
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#

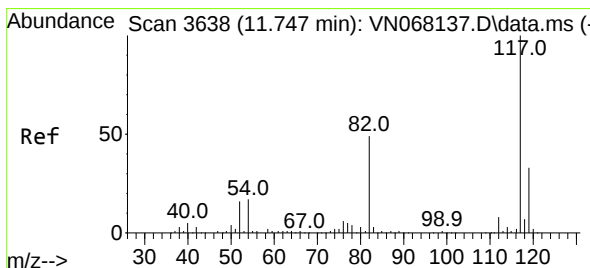
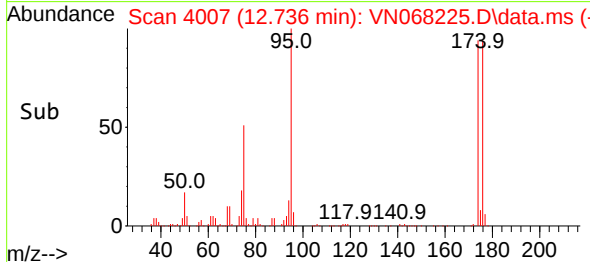
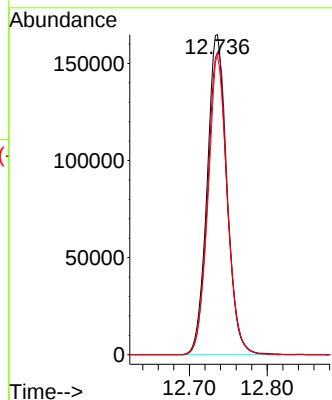
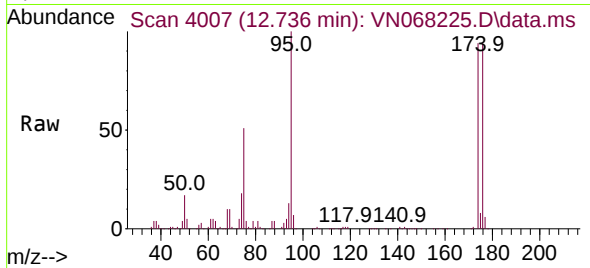




#62
4-Bromofluorobenzene
Concen: 49.928 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

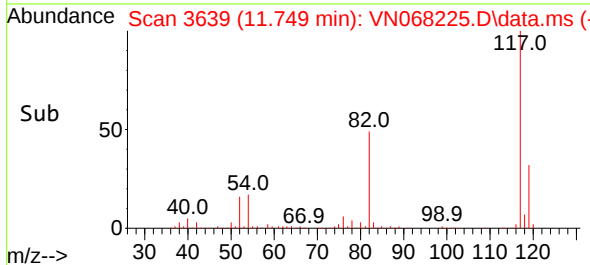
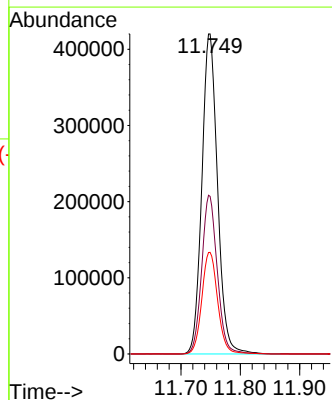
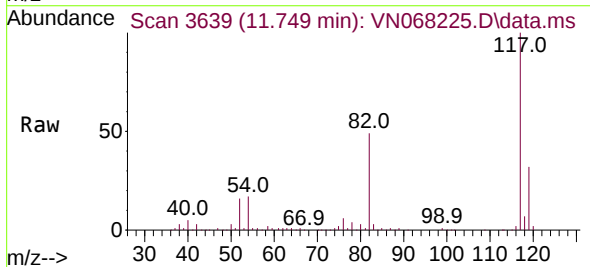
Instrument :
MSVOA_N
ClientSampleId :

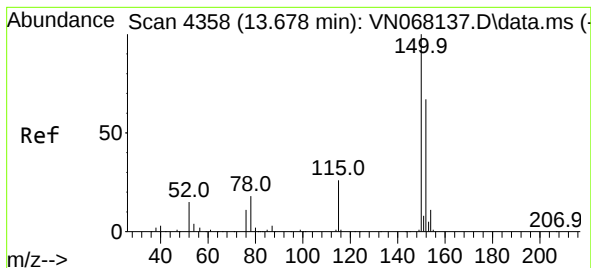
Tgt Ion: 95 Resp: 288283
Ion Ratio Lower Upper
95 100
174 96.4 0.0 122.0
176 91.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 117 Resp: 771753
Ion Ratio Lower Upper
117 100
82 49.3 53.1 79.7#
119 31.8 25.5 38.3

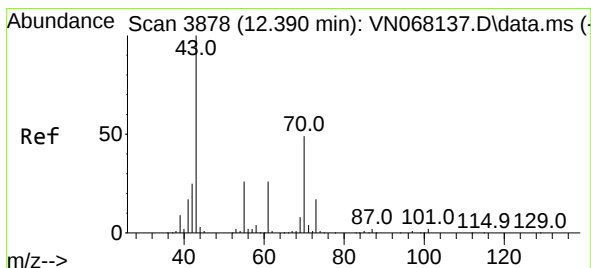
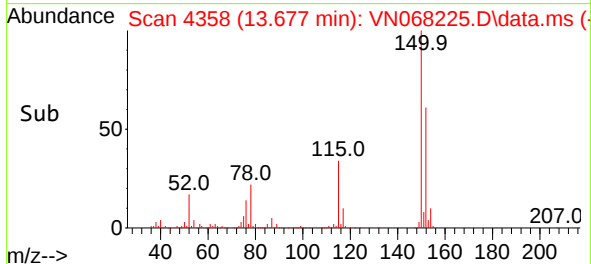
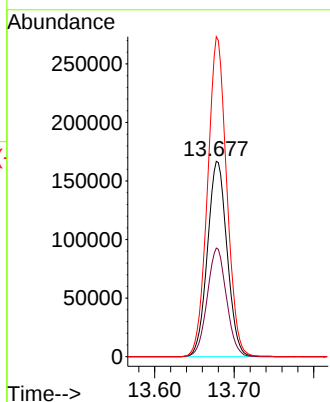
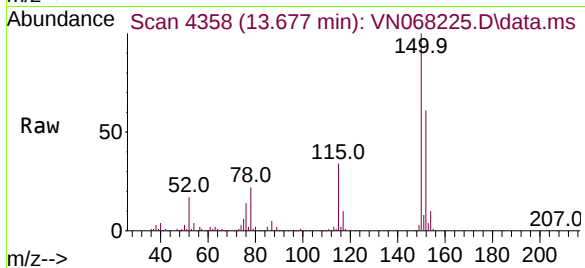




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

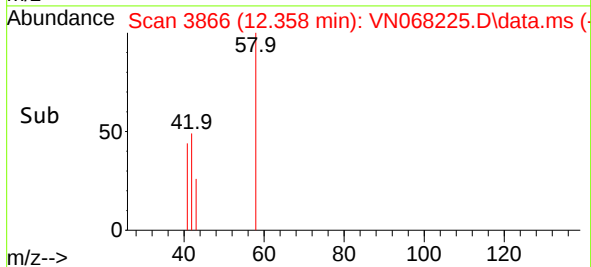
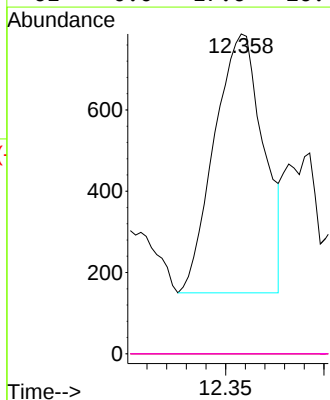
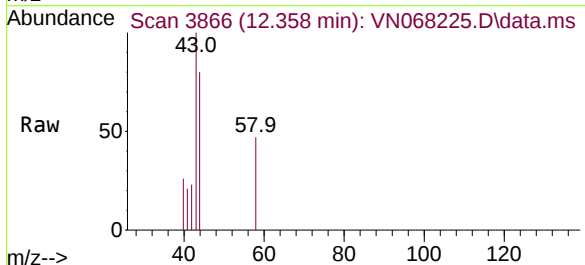
Instrument :
MSVOA_N
ClientSampled :

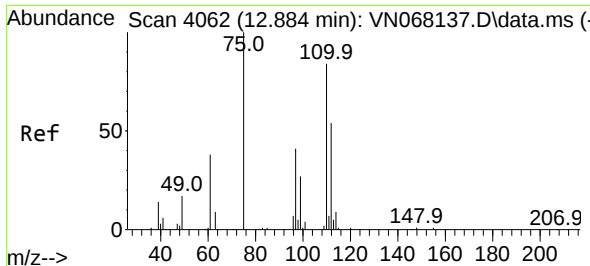
Tgt Ion:152 Resp: 286629
Ion Ratio Lower Upper
152 100
115 54.6 36.1 108.5
150 159.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.208 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 0.0 17.0 25.4#
61 0.0 17.6 26.4#

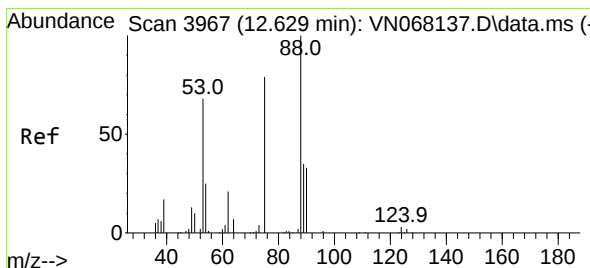
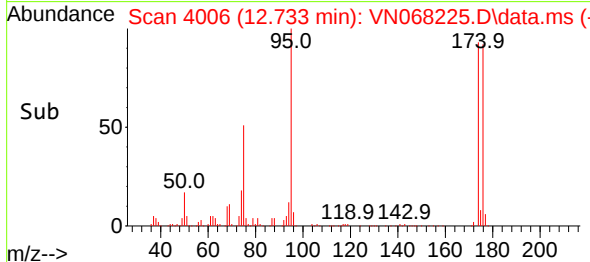
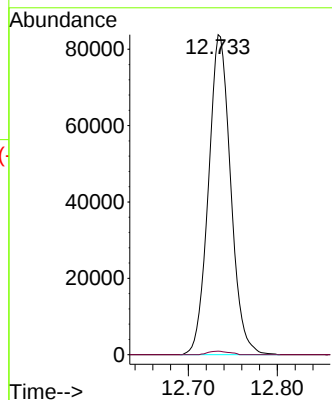
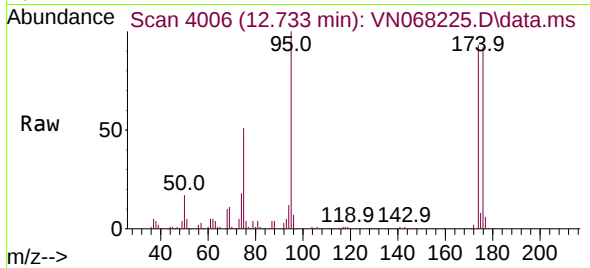




#76
1,2,3-Trichloropropane
Concen: 30.442 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

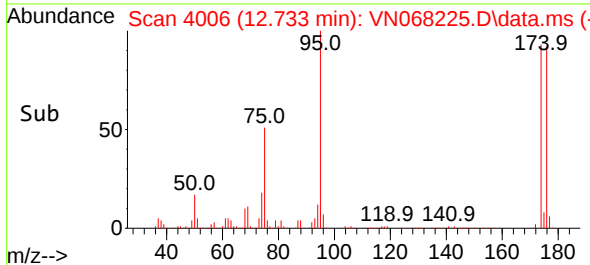
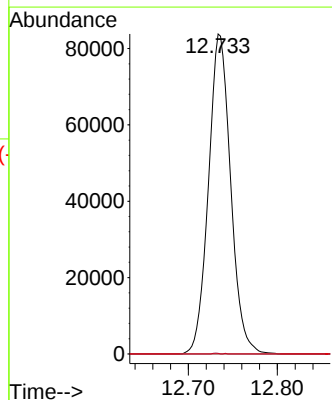
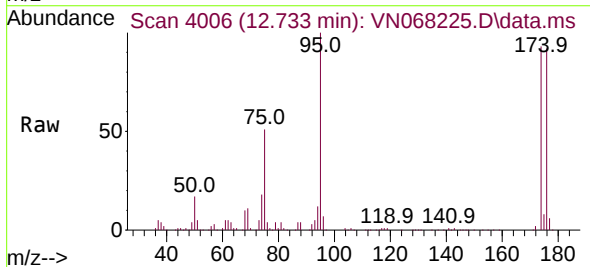
Instrument :
MSVOA_N
ClientSampled :

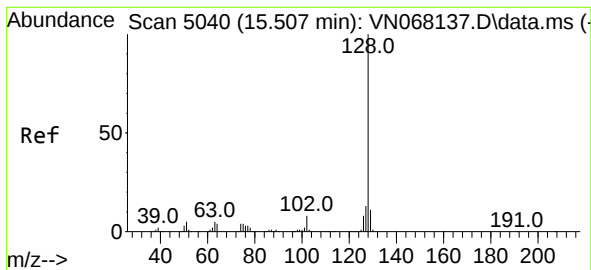
Tgt Ion: 75 Resp: 145028
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.733 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

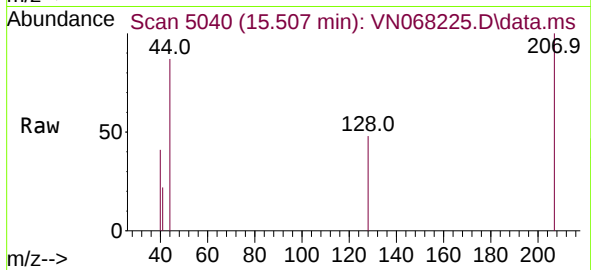
Tgt Ion: 75 Resp: 145028
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.384 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068225.D
Acq: 19 Aug 2021 18:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128	Resp:	478
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#

