

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061821\
 Data File : VN067401.D
 Acq On : 18 Jun 2021 15:37
 Operator : JC/MD
 Sample : PB137182ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB137182ZHE#03

Quant Time: Jun 19 00:40:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

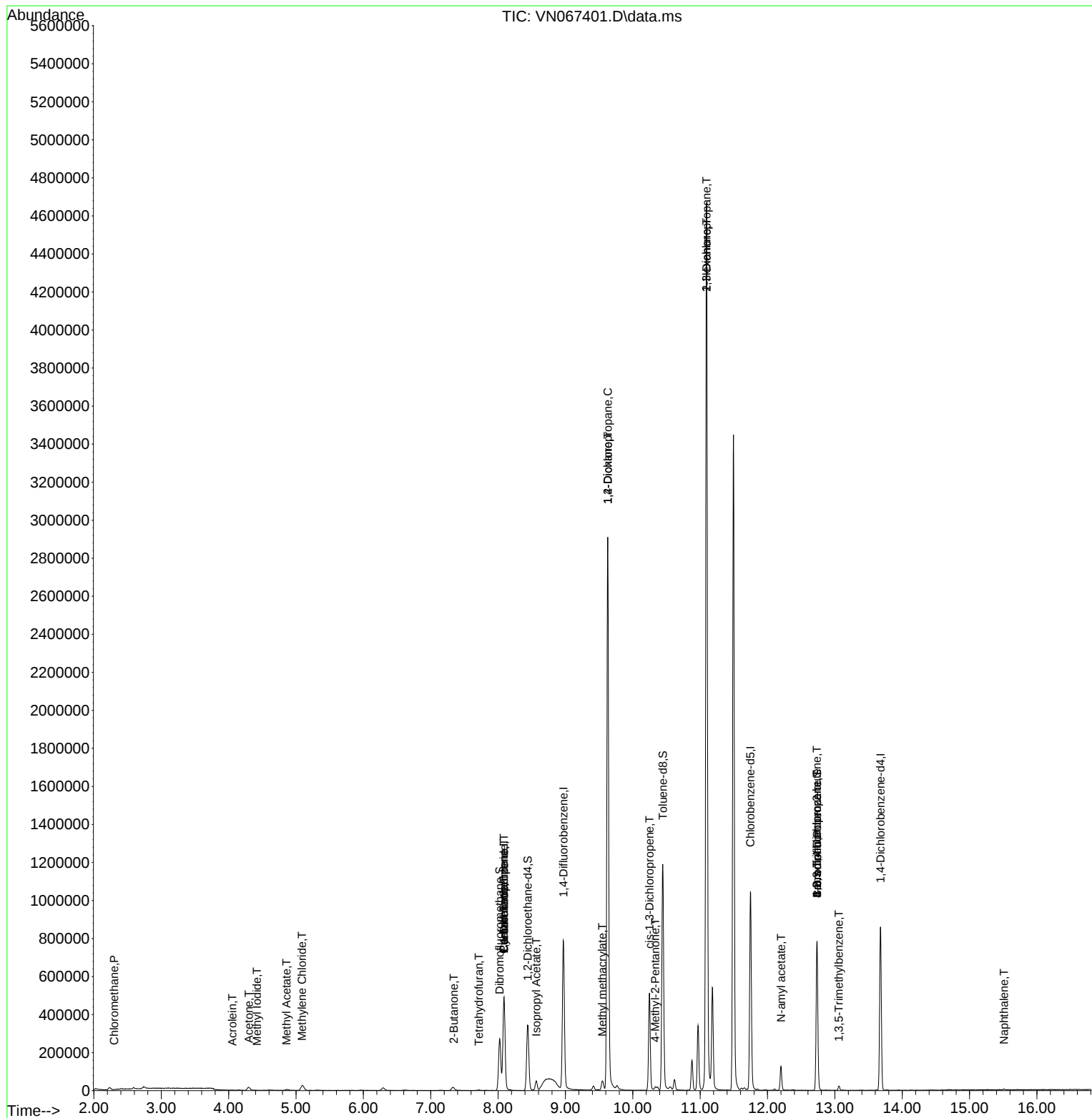
Internal Standards						
1) Pentafluorobenzene	8.088	168	311231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	639303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	553928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	296592	48.307	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.620%		
35) Dibromofluoromethane	8.024	113	194960	45.853	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.700%		
50) Toluene-d8	10.446	98	828003	50.808	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.736	95	286826	42.648	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.300%		
Target Compounds					Qvalue	
3) Chloromethane	2.301	50	968	0.205	ug/l #	86
10) Methyl Iodide	4.419	142	124	6.771	ug/l #	33
13) Acrolein	4.055	56	888	1.408	ug/l	93
16) Acetone	4.299	43	29783	12.641	ug/l	94
18) Methyl Acetate	4.859	43	3571	0.625	ug/l	96
20) Methylene Chloride	5.090	84	11229	2.291	ug/l	94
25) 2-Butanone	7.343	43	3069	0.912	ug/l	91
29) Tetrahydrofuran	7.716	42	2082	0.981	ug/l #	39
31) Cyclohexane	8.086	56	11176	1.339	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	36664	5.116	ug/l #	51
38) Carbon Tetrachloride	8.088	117	39001	5.063	ug/l #	16
43) Isopropyl Acetate	8.568	43	57918	4.250	ug/l #	93
45) 1,2-Dichloropropane	9.631	63	3056	0.573	ug/l #	44
48) Methyl methacrylate	9.547	41	12151	1.955	ug/l #	12
49) 1,4-Dioxane	9.631	88	228	2.681	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	7981	1.017	ug/l #	62
54) cis-1,3-Dichloropropene	10.247	75	93921	10.307	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	49382	5.559	ug/l #	44
59) 2-Hexanone	11.095	43	792883	137.922	ug/l #	53
71) Bromoform	12.736	173	2080	0.606	ug/l #	1
74) N-amyl acetate	12.200	43	41545	4.447	ug/l #	56
76) 1,2,3-Trichloropropane	12.734	75	166409	32.136	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	11691	0.725	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	166409	79.643	ug/l #	6
95) Naphthalene	15.509	128	2967	2.840	ug/l #	82

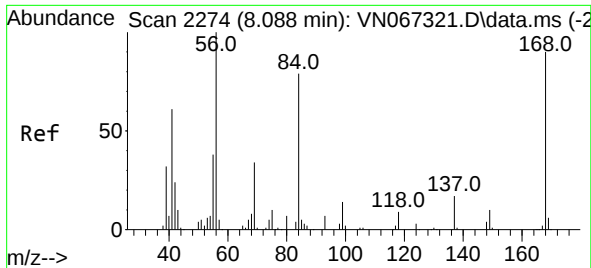
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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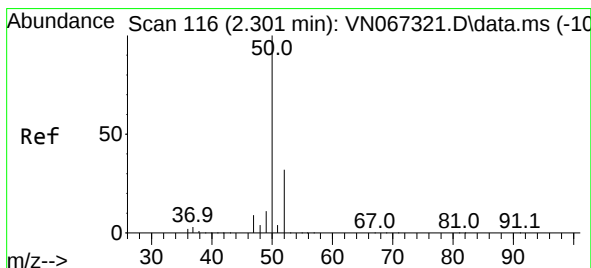
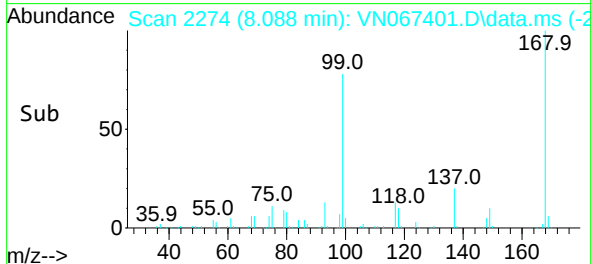
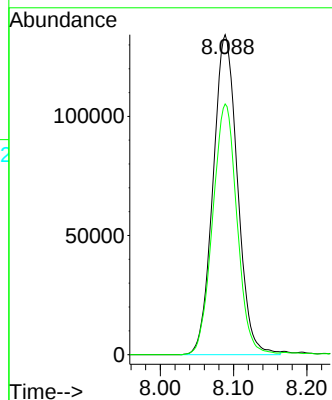
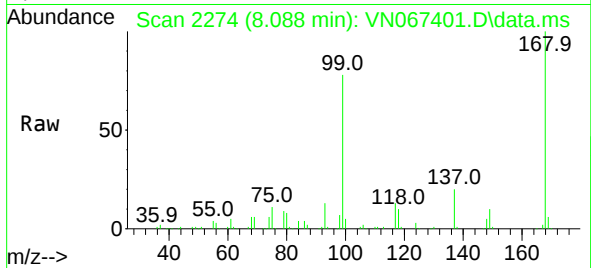




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

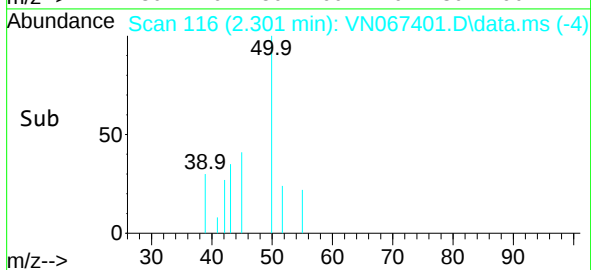
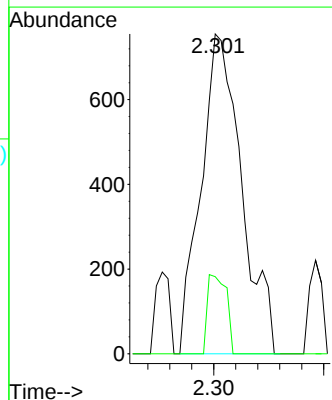
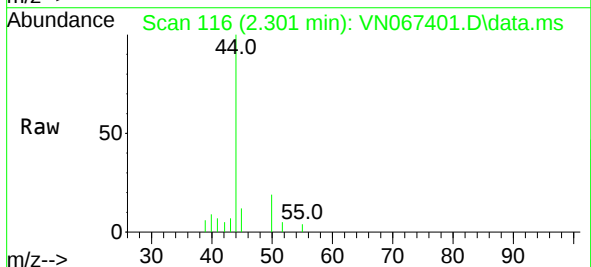
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

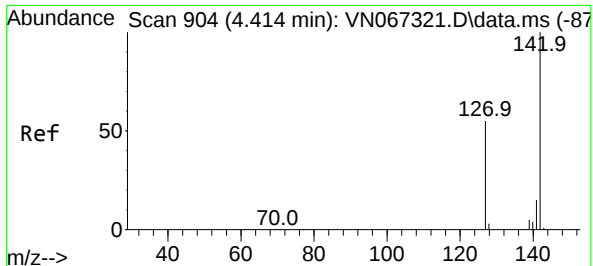
Tgt Ion:168 Resp: 311231
Ion Ratio Lower Upper
168 100
99 78.3 62.9 94.3



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 50 Resp: 968
Ion Ratio Lower Upper
50 100
52 24.1 25.6 38.4#

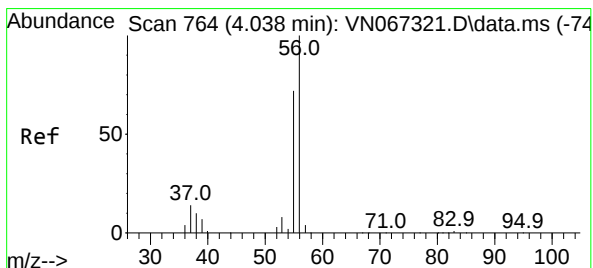
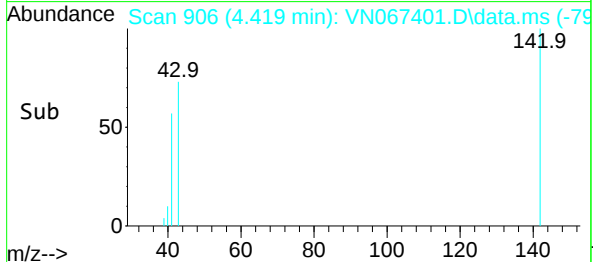
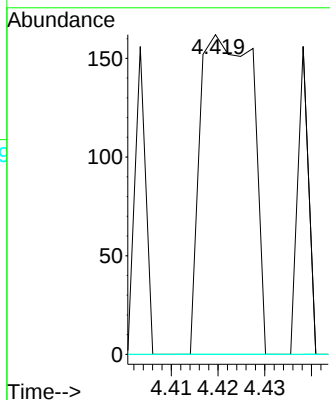
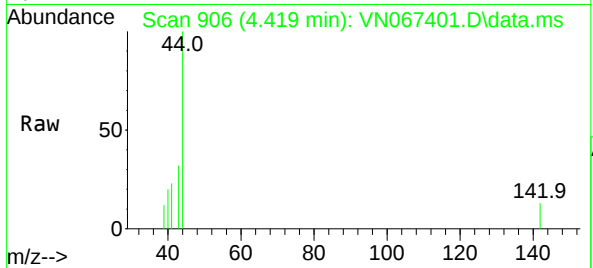




#10
Methyl Iodide
Concen: 6.771 ug/l
RT: 4.419 min Scan# 906
Delta R.T. 0.005 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

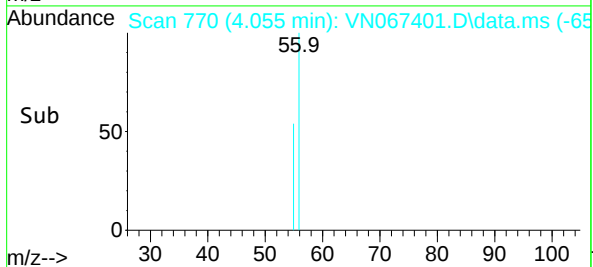
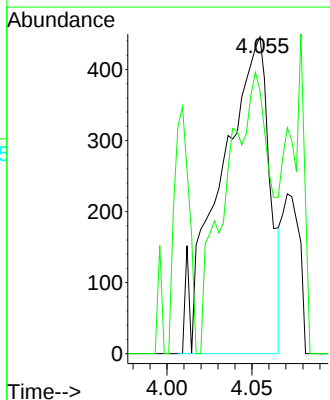
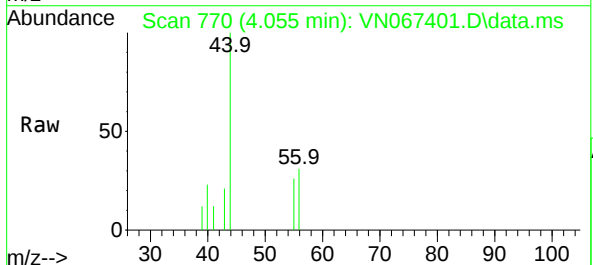
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

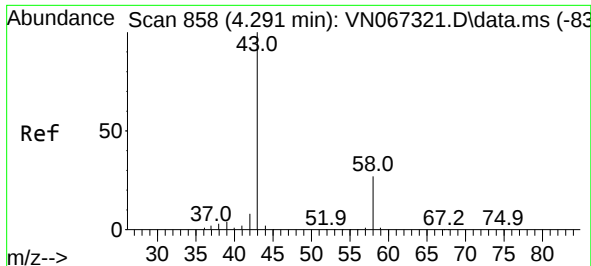
Tgt Ion:142 Resp: 124
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 1.408 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.017 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 56 Resp: 888
Ion Ratio Lower Upper
56 100
55 77.6 57.4 86.0

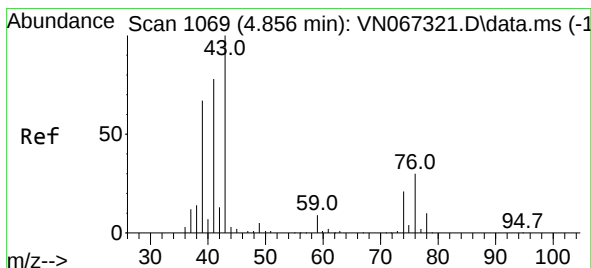
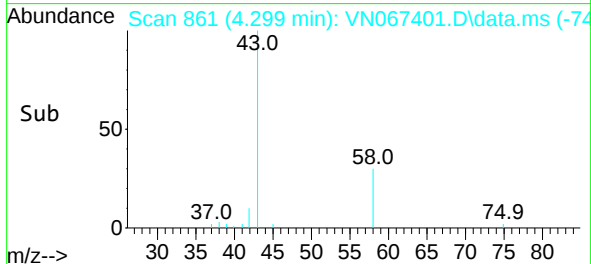
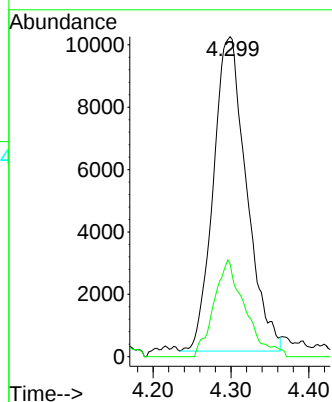
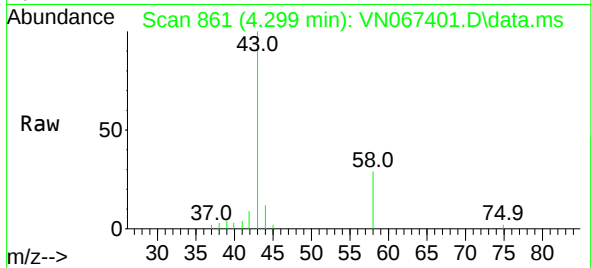




#16
Acetone
Concen: 12.641 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

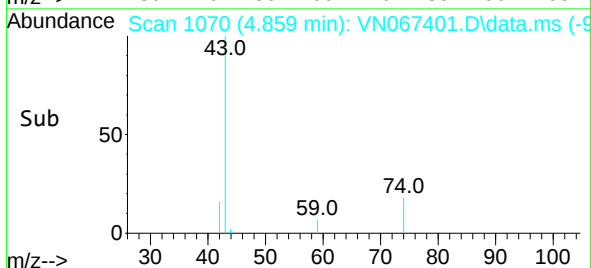
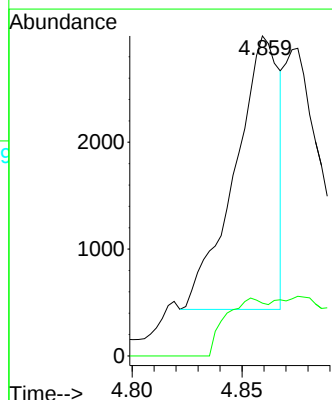
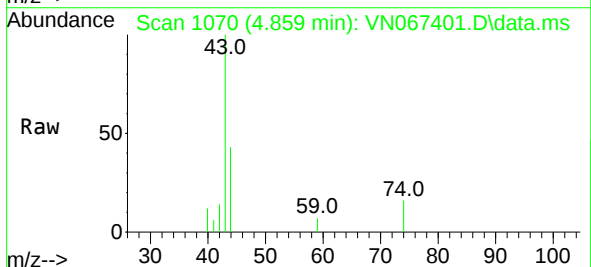
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

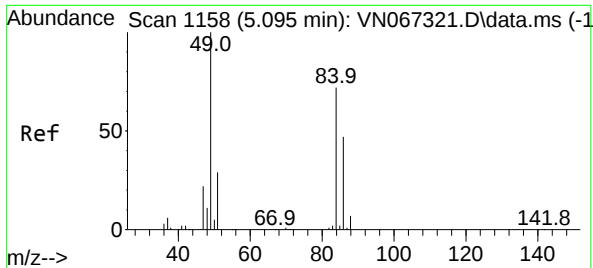
Tgt Ion: 43 Resp: 29783
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

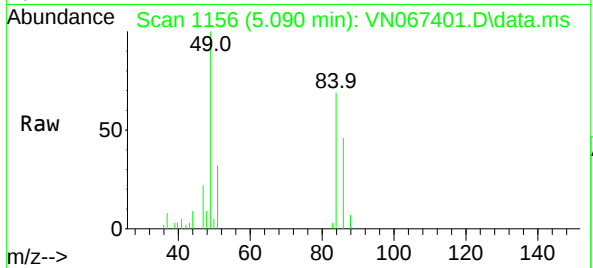
Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
74 19.7 17.4 26.0





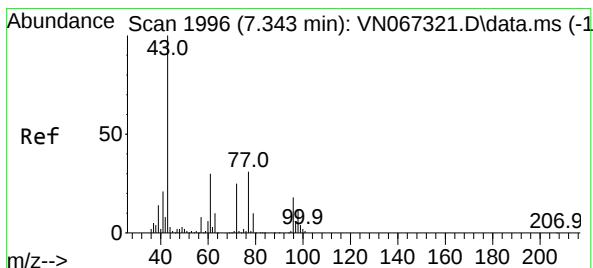
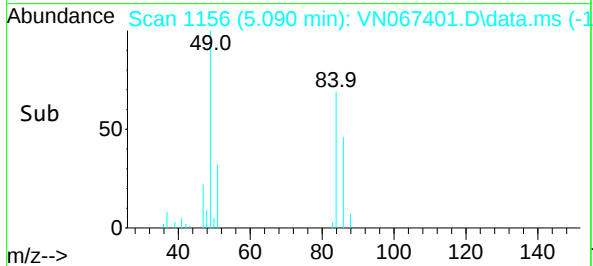
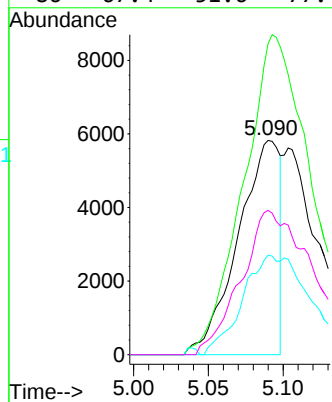
#20
Methylene Chloride
Concen: 2.291 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03



Tgt Ion: 84 Resp: 11229

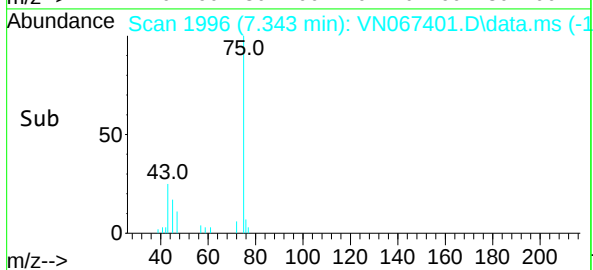
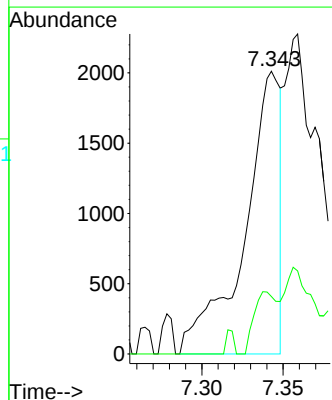
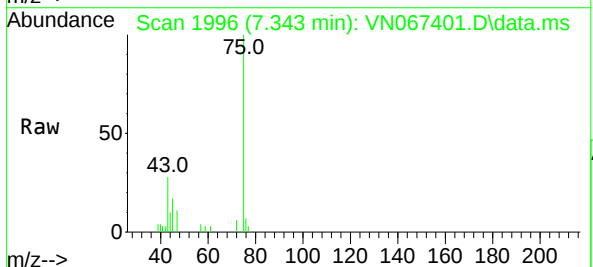
Ion	Ratio	Lower	Upper
84	100		
49	145.1	110.9	166.3
51	46.4	32.6	49.0
86	67.4	51.6	77.4

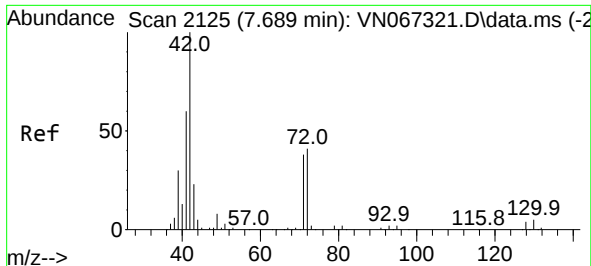


#25
2-Butanone
Concen: 0.912 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 43 Resp: 3069

Ion	Ratio	Lower	Upper
43	100		
72	20.3	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.981 ug/l

RT: 7.716 min Scan# 2135

Delta R.T. 0.027 min

Lab File: VN067401.D

Acq: 18 Jun 2021 15:37

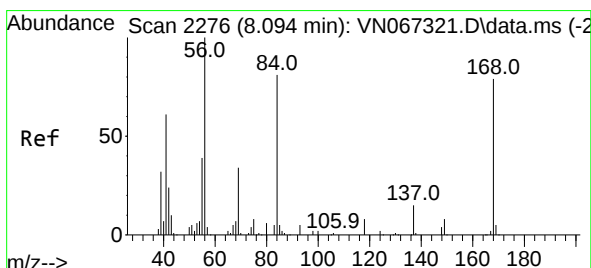
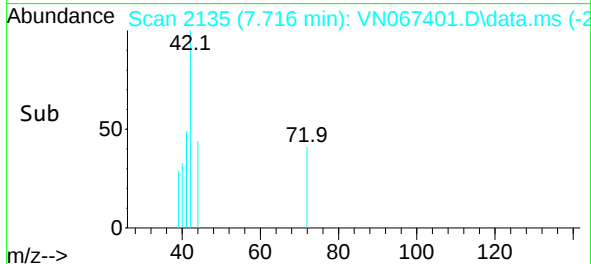
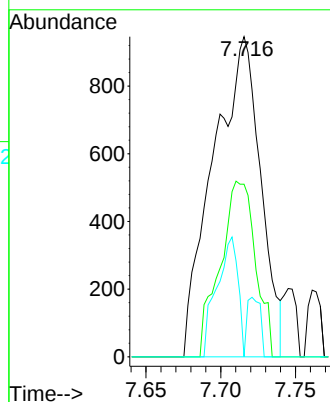
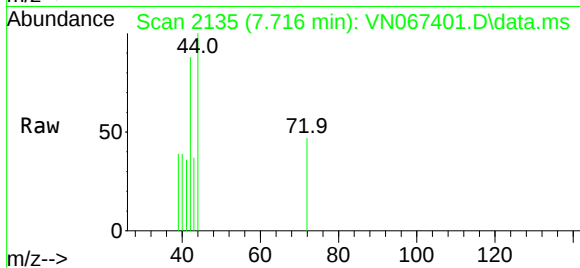
Instrument :

MSVOA_N

ClientSampleId :

PB137182ZHE#03

Tgt Ion:	42	Resp:	2082
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	5.1	31.2	46.8#



#31

Cyclohexane

Concen: 1.339 ug/l

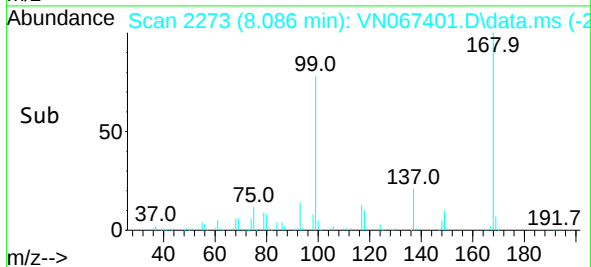
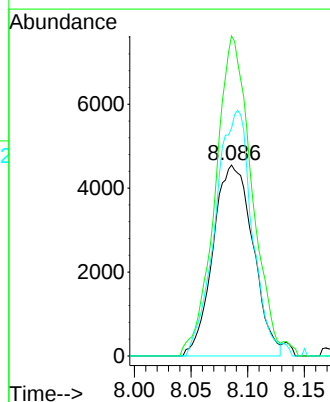
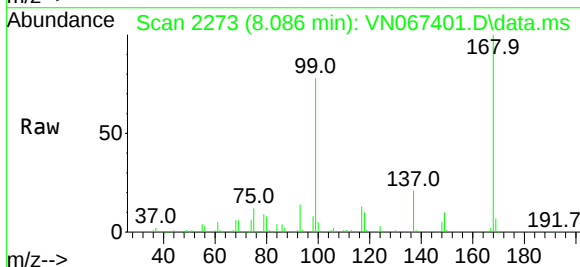
RT: 8.086 min Scan# 2273

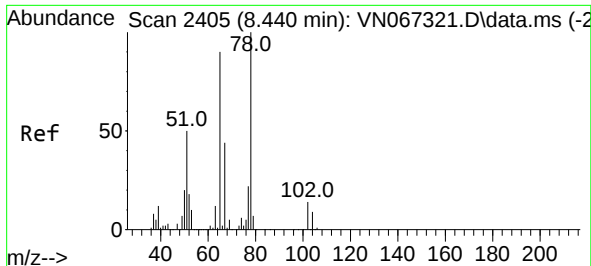
Delta R.T. -0.008 min

Lab File: VN067401.D

Acq: 18 Jun 2021 15:37

Tgt Ion:	56	Resp:	11176
Ion	Ratio	Lower	Upper
56	100		
69	167.6	27.3	40.9#
84	119.3	64.9	97.3#

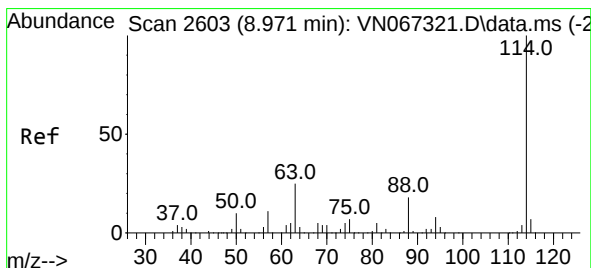
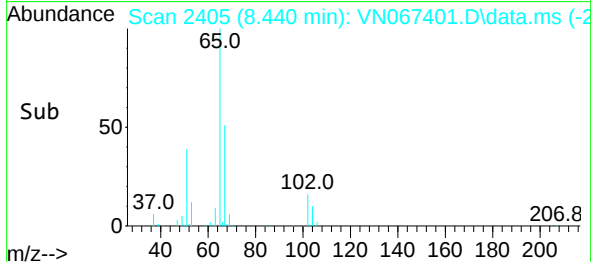
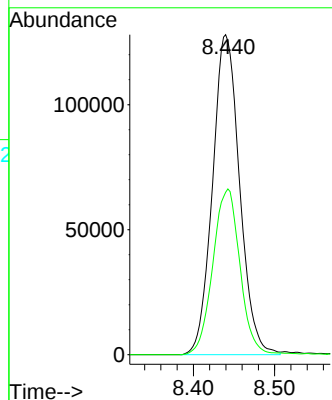
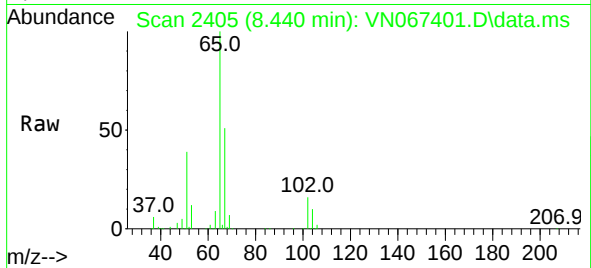




#33
 1,2-Dichloroethane-d4
 Concen: 48.307 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067401.D
 Acq: 18 Jun 2021 15:37

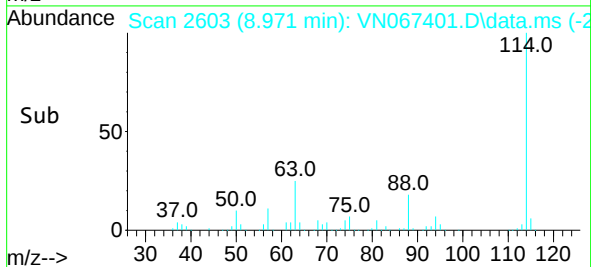
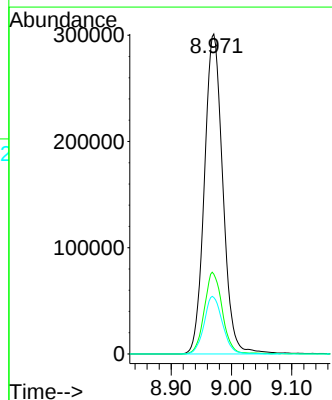
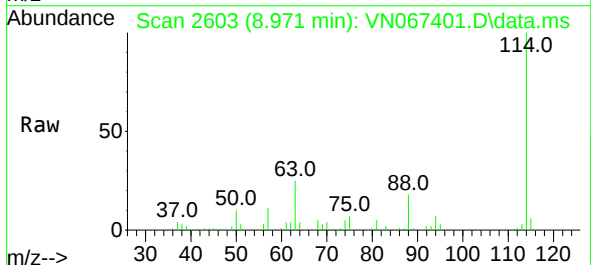
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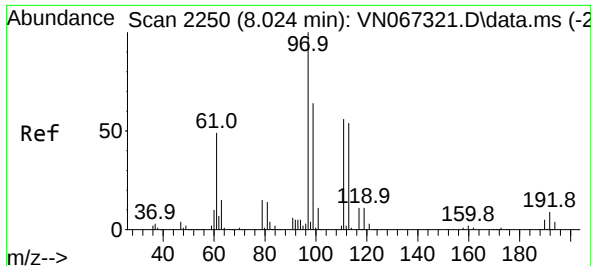
Tgt Ion: 65 Resp: 296592
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067401.D
 Acq: 18 Jun 2021 15:37

Tgt Ion: 114 Resp: 639303
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.0
 88 17.7 0.0 36.6

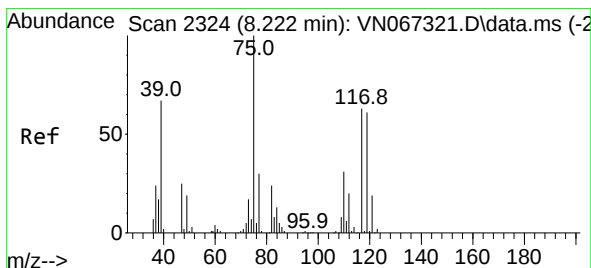
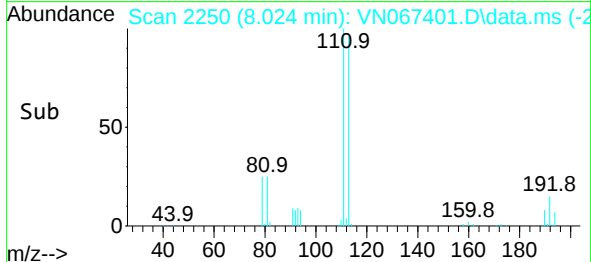
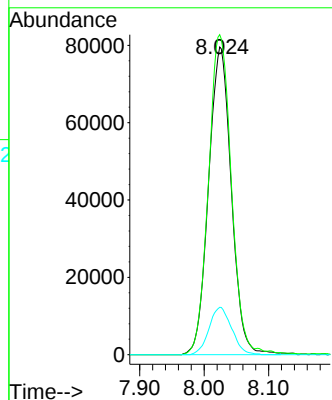
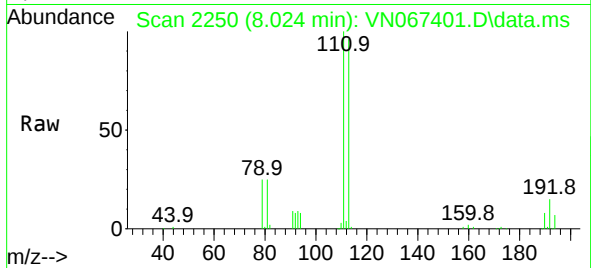




#35
Dibromofluoromethane
Concen: 45.853 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

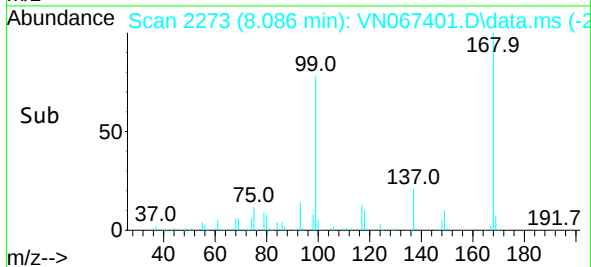
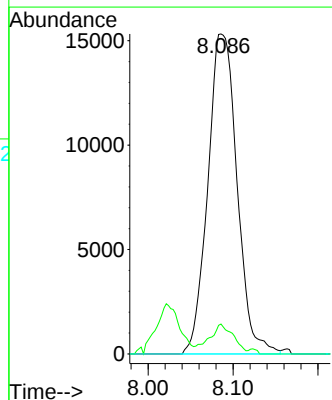
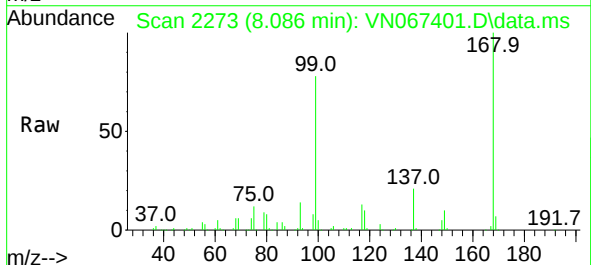
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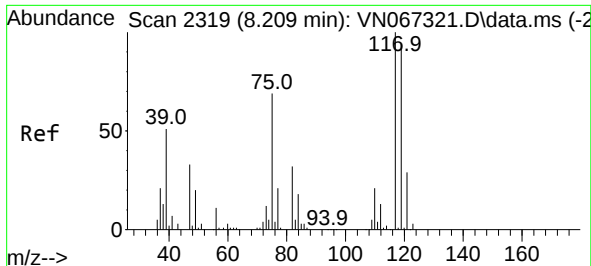
Tgt Ion:113 Resp: 194960
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 15.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

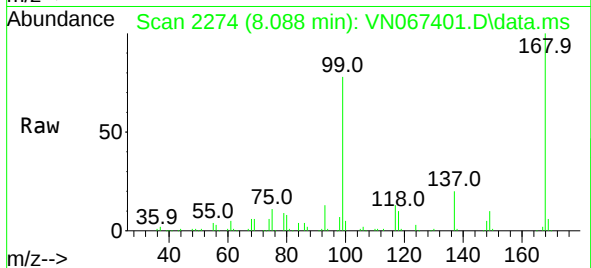
Tgt Ion: 75 Resp: 36664
Ion Ratio Lower Upper
75 100
110 7.7 15.7 47.0#
77 0.0 24.6 37.0#



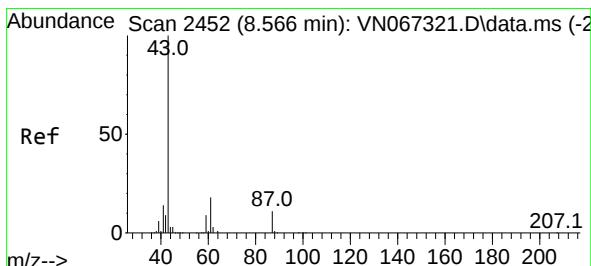
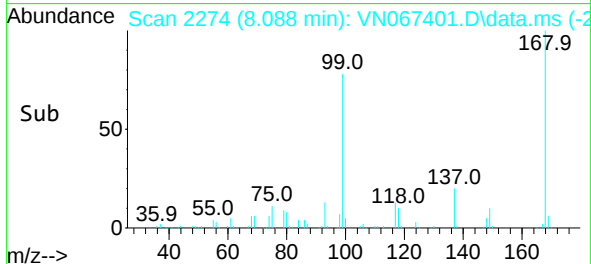
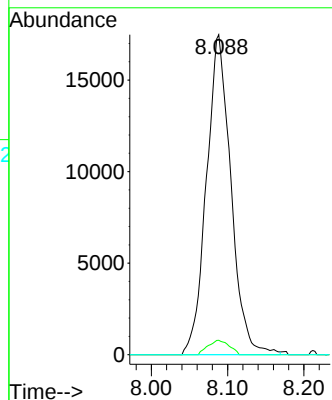


#38
Carbon Tetrachloride
Concen: 5.063 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

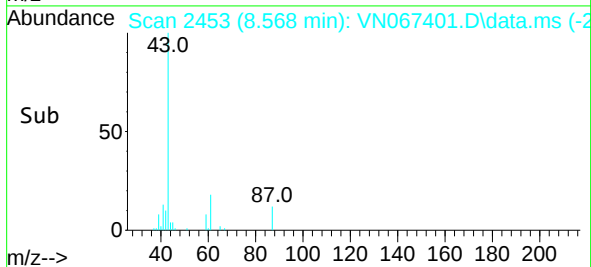
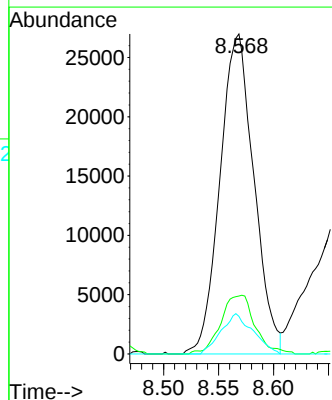
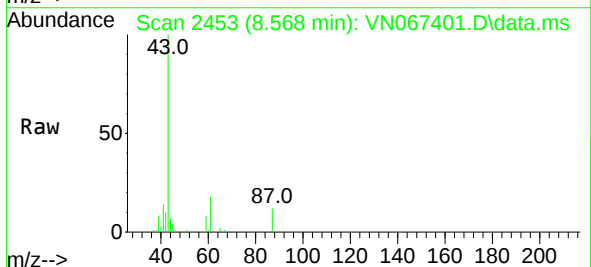


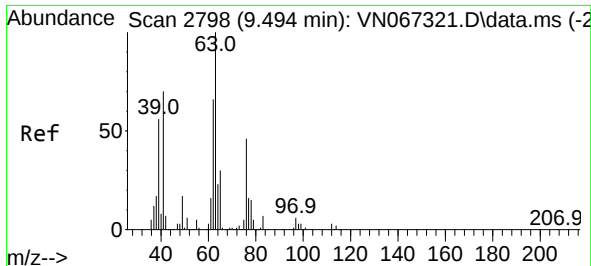
Tgt Ion:117 Resp: 39001
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.250 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 43 Resp: 57918
Ion Ratio Lower Upper
43 100
61 18.5 19.0 28.4#
87 11.9 9.5 14.3

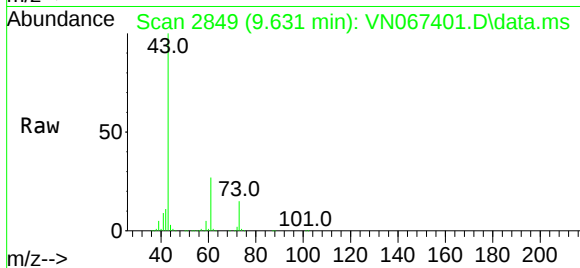




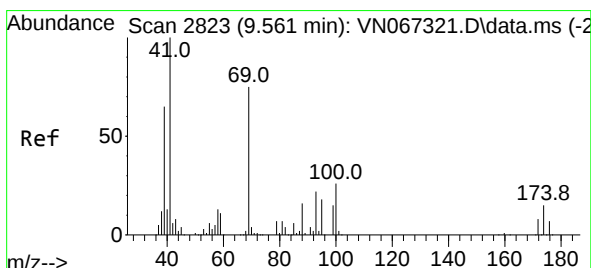
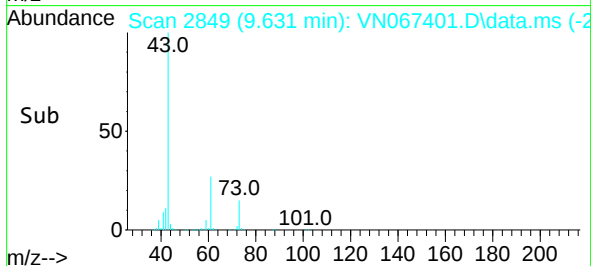
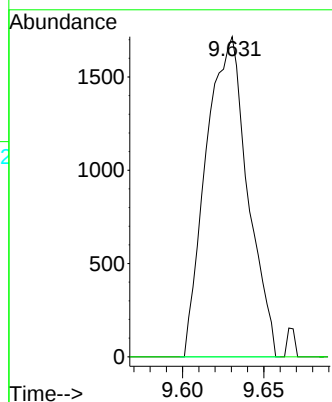
#45

1,2-Dichloropropane
Concen: 0.573 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.137 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03



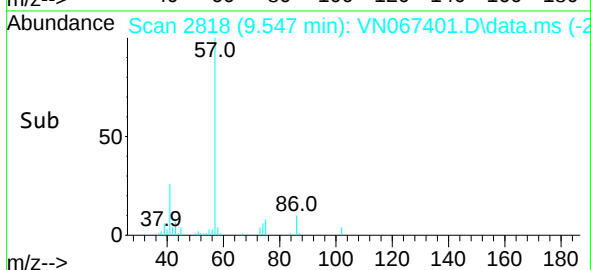
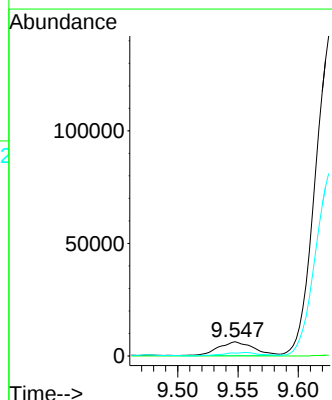
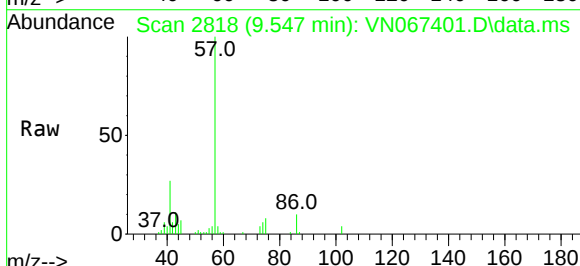
Tgt Ion: 63 Resp: 3056
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

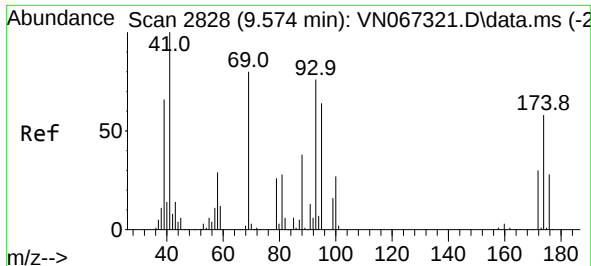


#48

Methyl methacrylate
Concen: 1.955 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 41 Resp: 12151
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: 2.681 ug/l

RT: 9.631 min Scan# 2849

Delta R.T. 0.057 min

Lab File: VN067401.D

Acq: 18 Jun 2021 15:37

Tgt Ion: 88 Resp: 228

Ion Ratio Lower Upper

88 100

43 1313929.8 28.8 43.2#

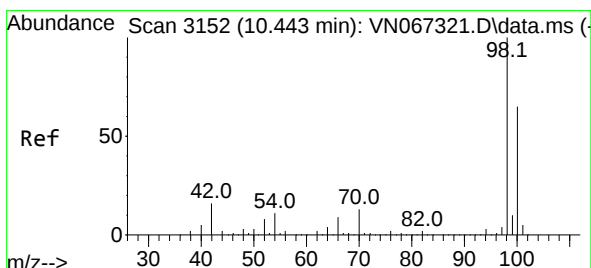
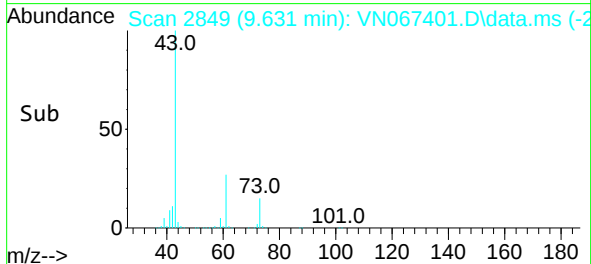
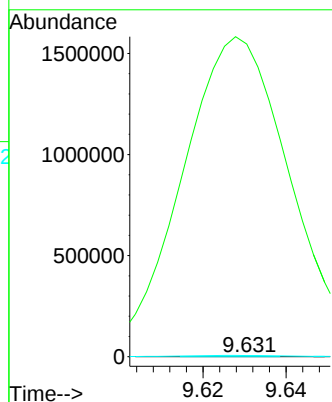
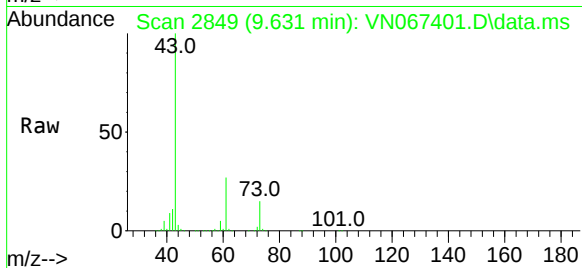
58 5139.5 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

PB137182ZHE#03



#50

Toluene-d8

Concen: 50.808 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067401.D

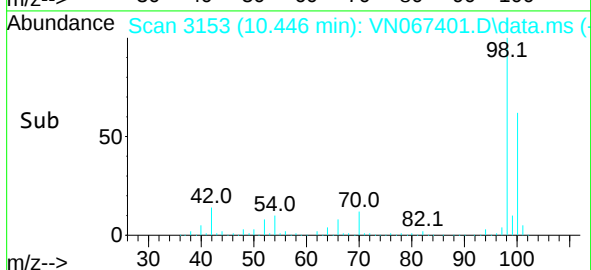
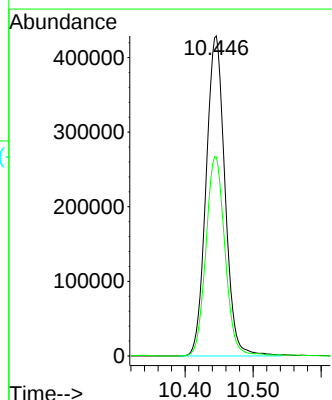
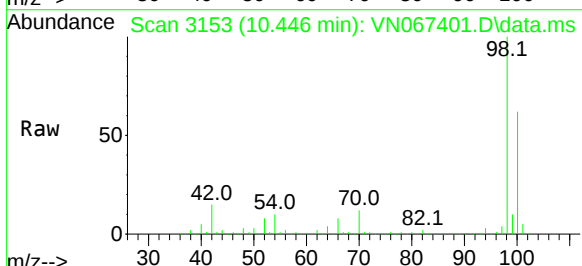
Acq: 18 Jun 2021 15:37

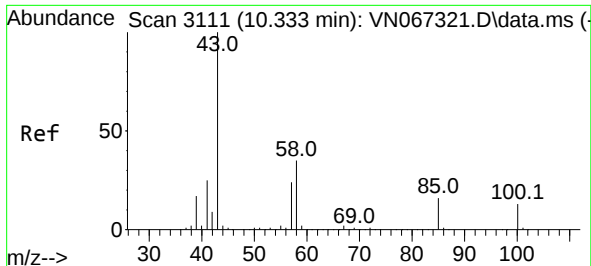
Tgt Ion: 98 Resp: 828003

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5

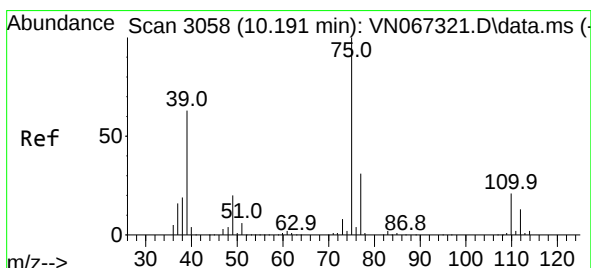
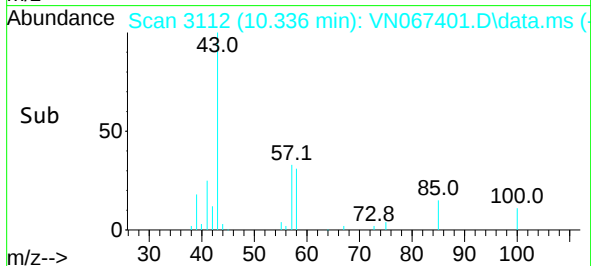
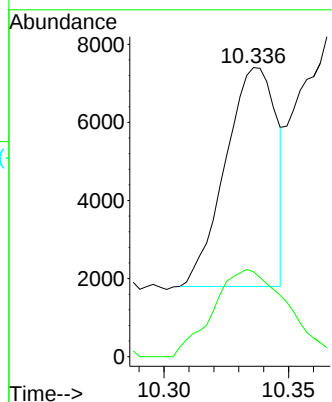
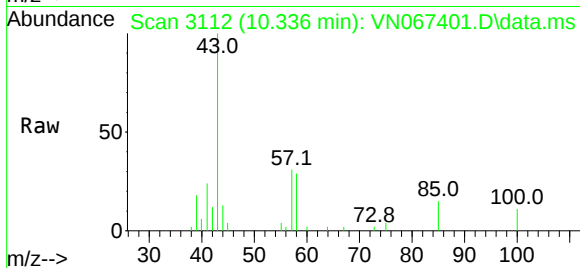




#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

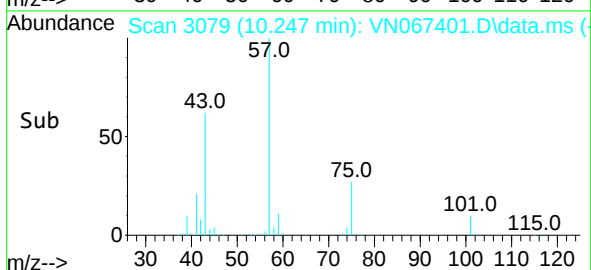
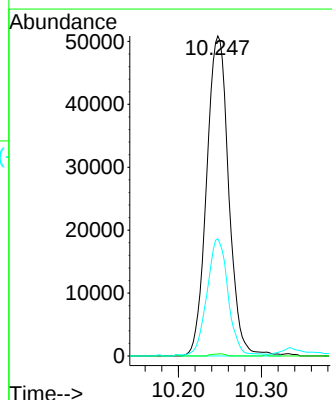
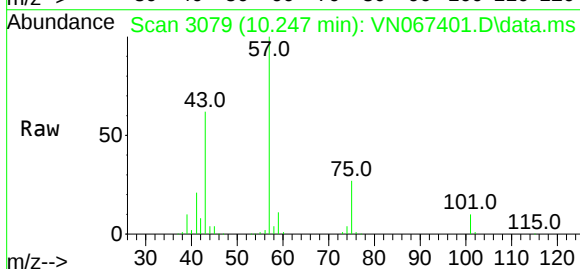
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

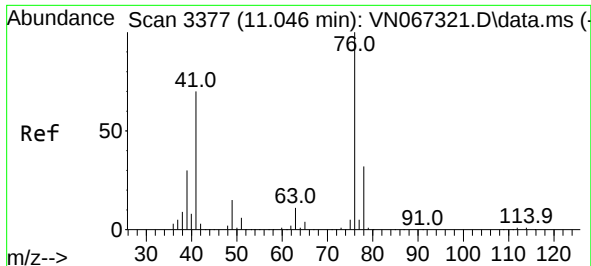
Tgt Ion: 43 Resp: 7981
Ion Ratio Lower Upper
43 100
58 58.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.307 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 75 Resp: 93921
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 36.2 50.7 76.1#

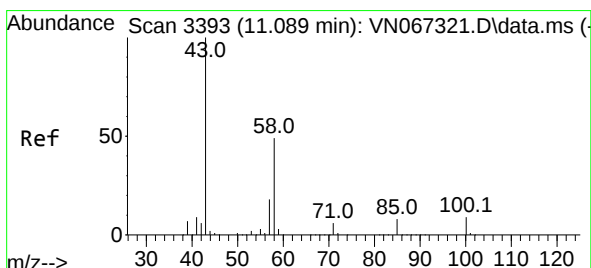
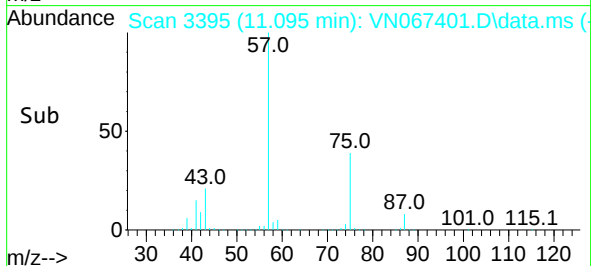
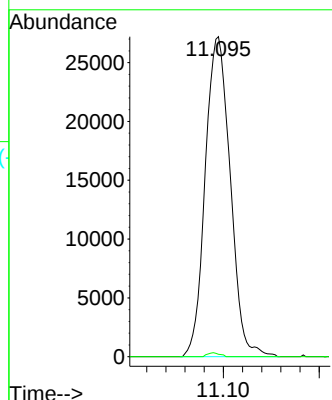
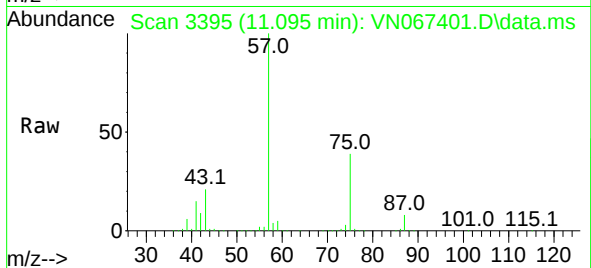




#57
1,3-Dichloropropane
Concen: 5.559 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

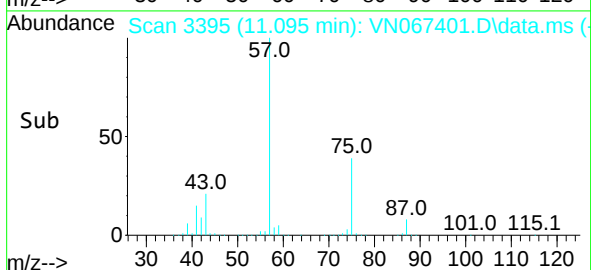
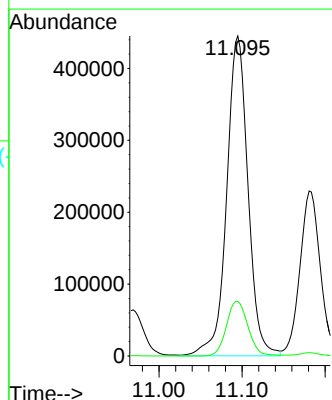
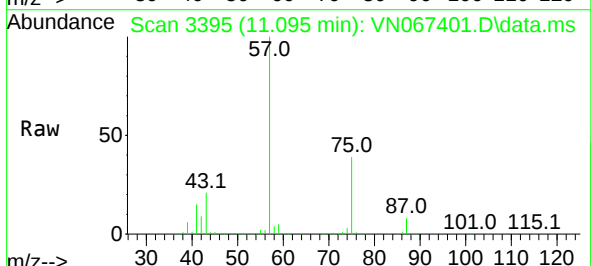
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

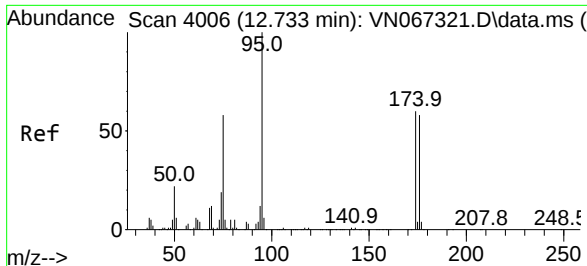
Tgt Ion: 76 Resp: 49382
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#



#59
2-Hexanone
Concen: 137.922 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 43 Resp: 792883
Ion Ratio Lower Upper
43 100
58 17.3 24.7 74.1#

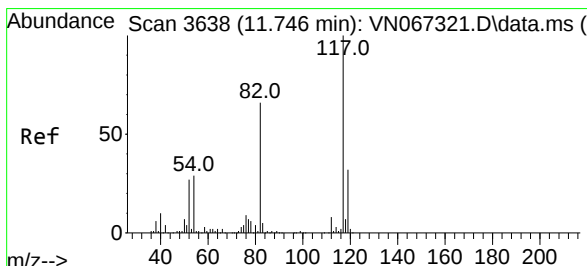
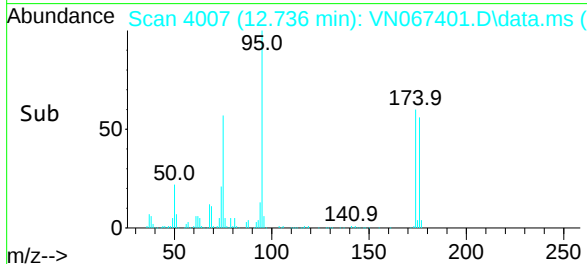
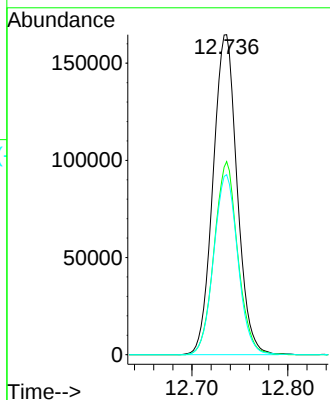
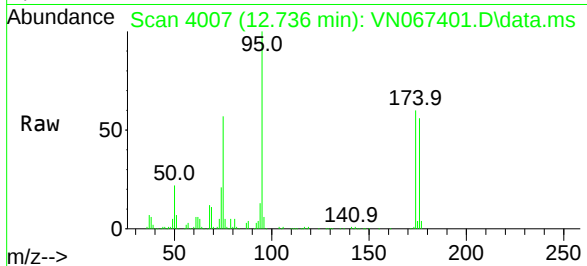




#62
4-Bromofluorobenzene
Concen: 42.648 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

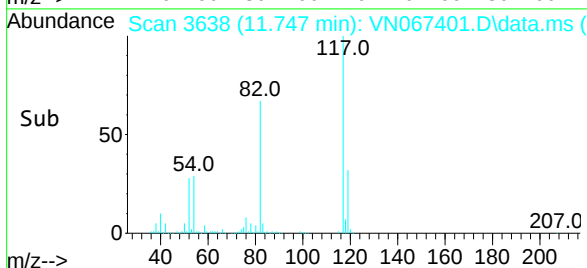
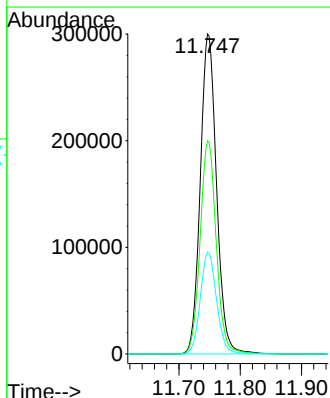
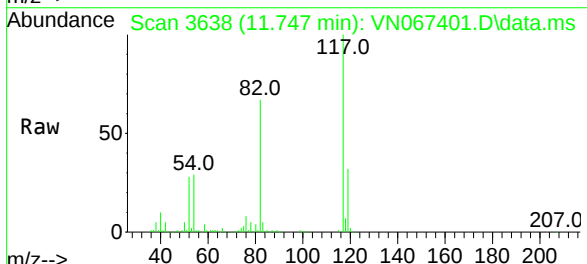
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

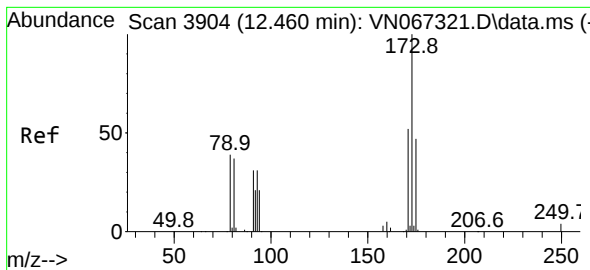
Tgt Ion: 95 Resp: 286826
Ion Ratio Lower Upper
95 100
174 59.3 0.0 122.0
176 56.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 117 Resp: 553928
Ion Ratio Lower Upper
117 100
82 66.6 53.1 79.7
119 31.8 25.5 38.3

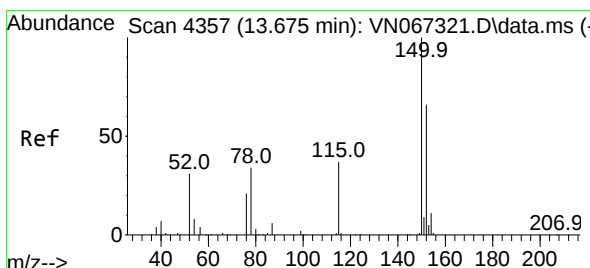
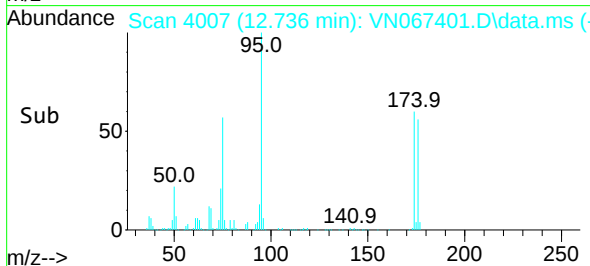
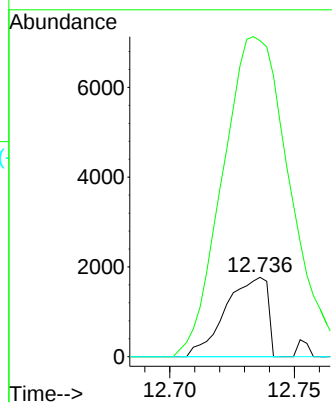
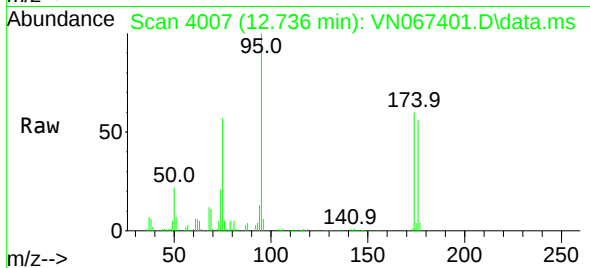




#71
Bromoform
Concen: 0.606 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

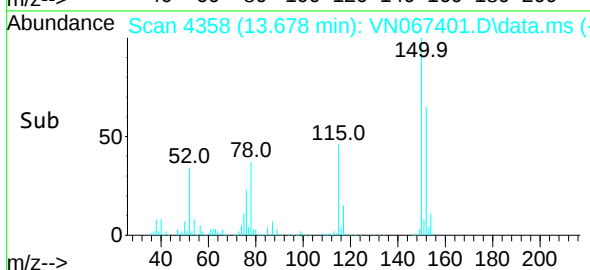
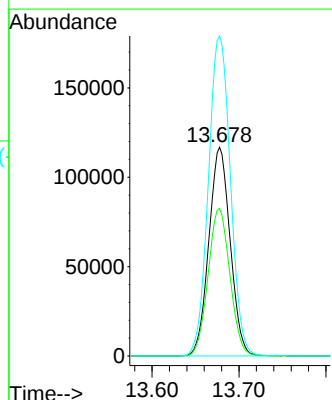
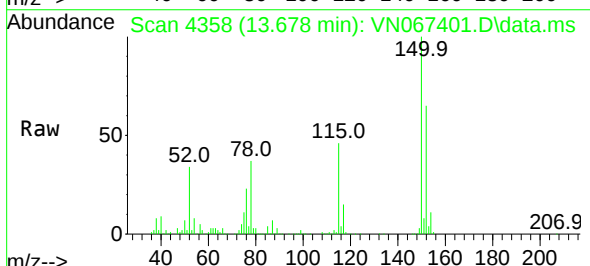
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

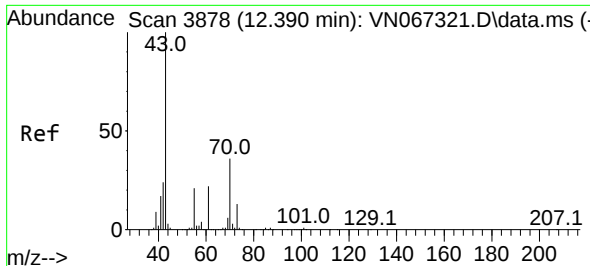
Tgt Ion:173 Resp: 2080
Ion Ratio Lower Upper
173 100
175 576.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

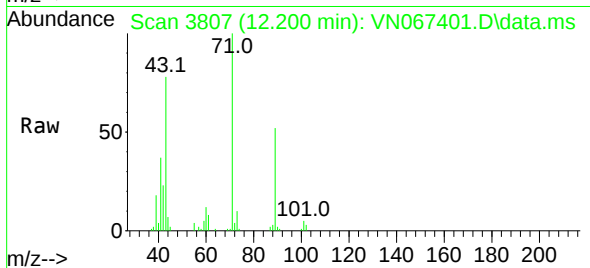
Tgt Ion:152 Resp: 199406
Ion Ratio Lower Upper
152 100
115 72.1 36.1 108.5
150 158.0 0.0 351.8



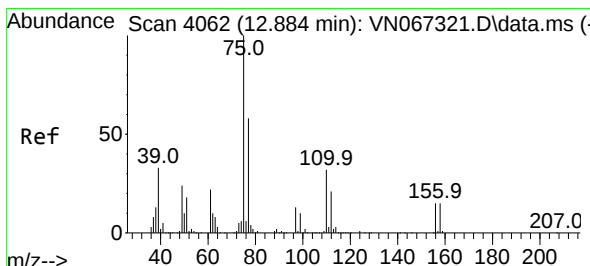
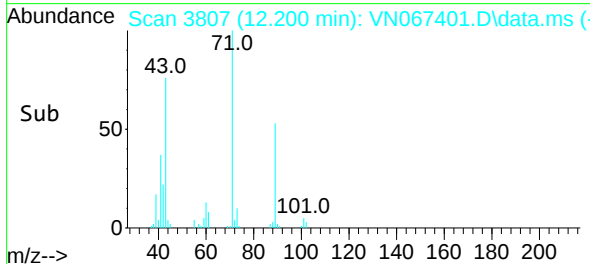
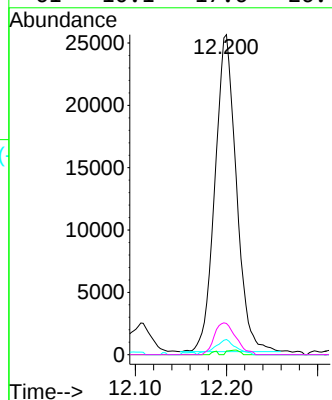


#74
N-amy1 acetate
Concen: 4.447 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

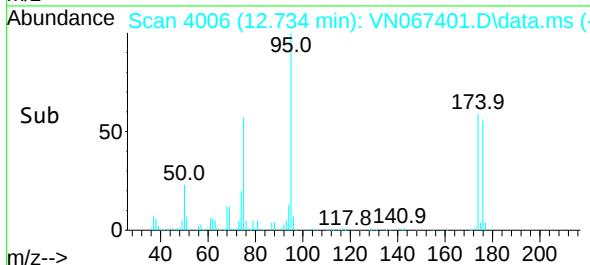
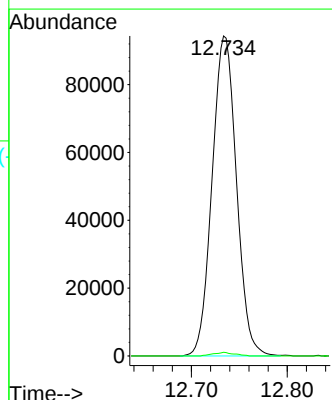
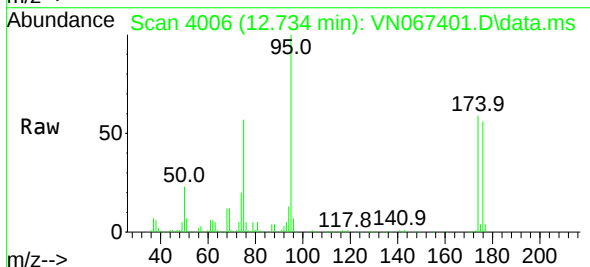


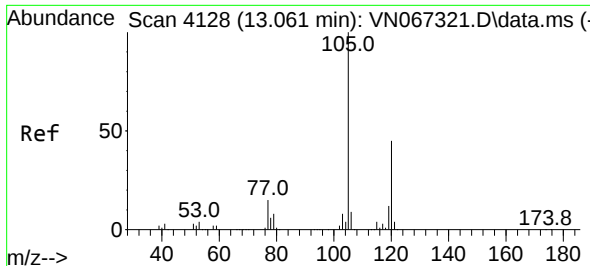
Tgt Ion: 43	Resp: 41545
Ion Ratio	Lower Upper
43 100	
70 0.3	29.4 44.2#
55 4.7	17.0 25.4#
61 10.1	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.136 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 75	Resp: 166409
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

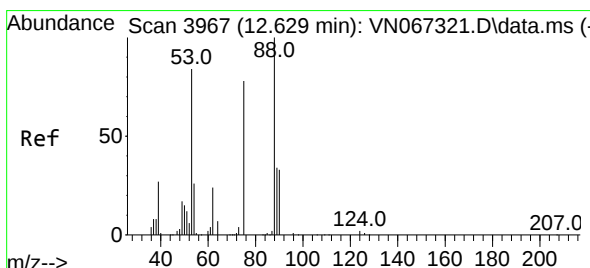
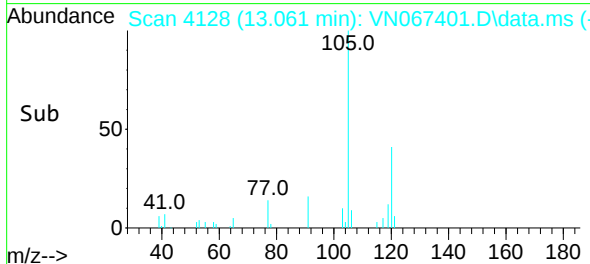
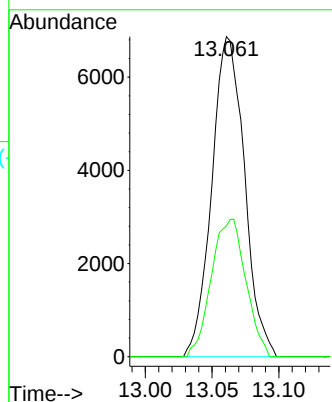
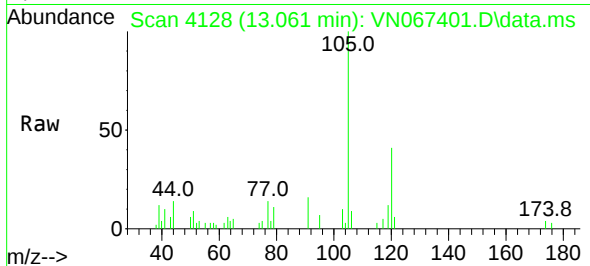




#80
1,3,5-Trimethylbenzene
Concen: 0.725 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

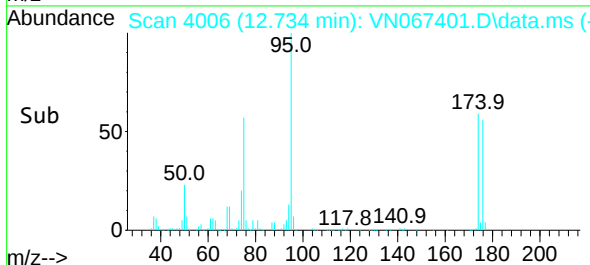
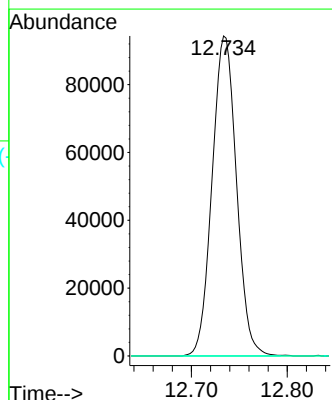
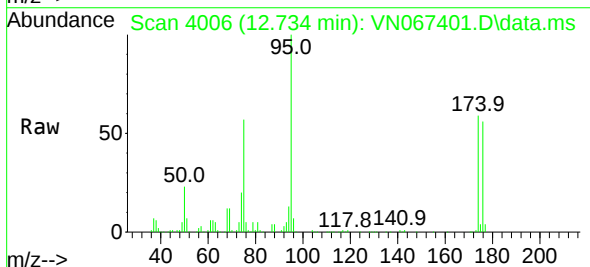
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

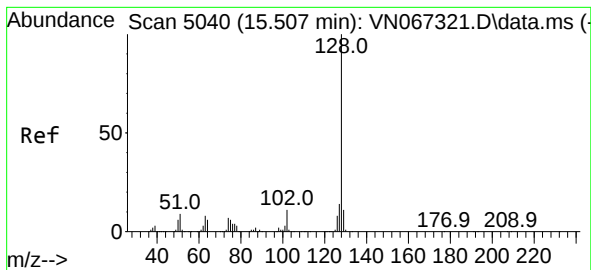
Tgt Ion:105 Resp: 11691
Ion Ratio Lower Upper
105 100
120 45.3 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 79.643 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Tgt Ion: 75 Resp: 166409
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.840 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067401.D
Acq: 18 Jun 2021 15:37

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.6	15.8#
129	5.2	8.6	12.8#

