

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061821\
 Data File : VN067399.D
 Acq On : 18 Jun 2021 14:49
 Operator : JC/MD
 Sample : PB137182ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB137182ZHE#01

Quant Time: Jun 19 00:39:46 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)

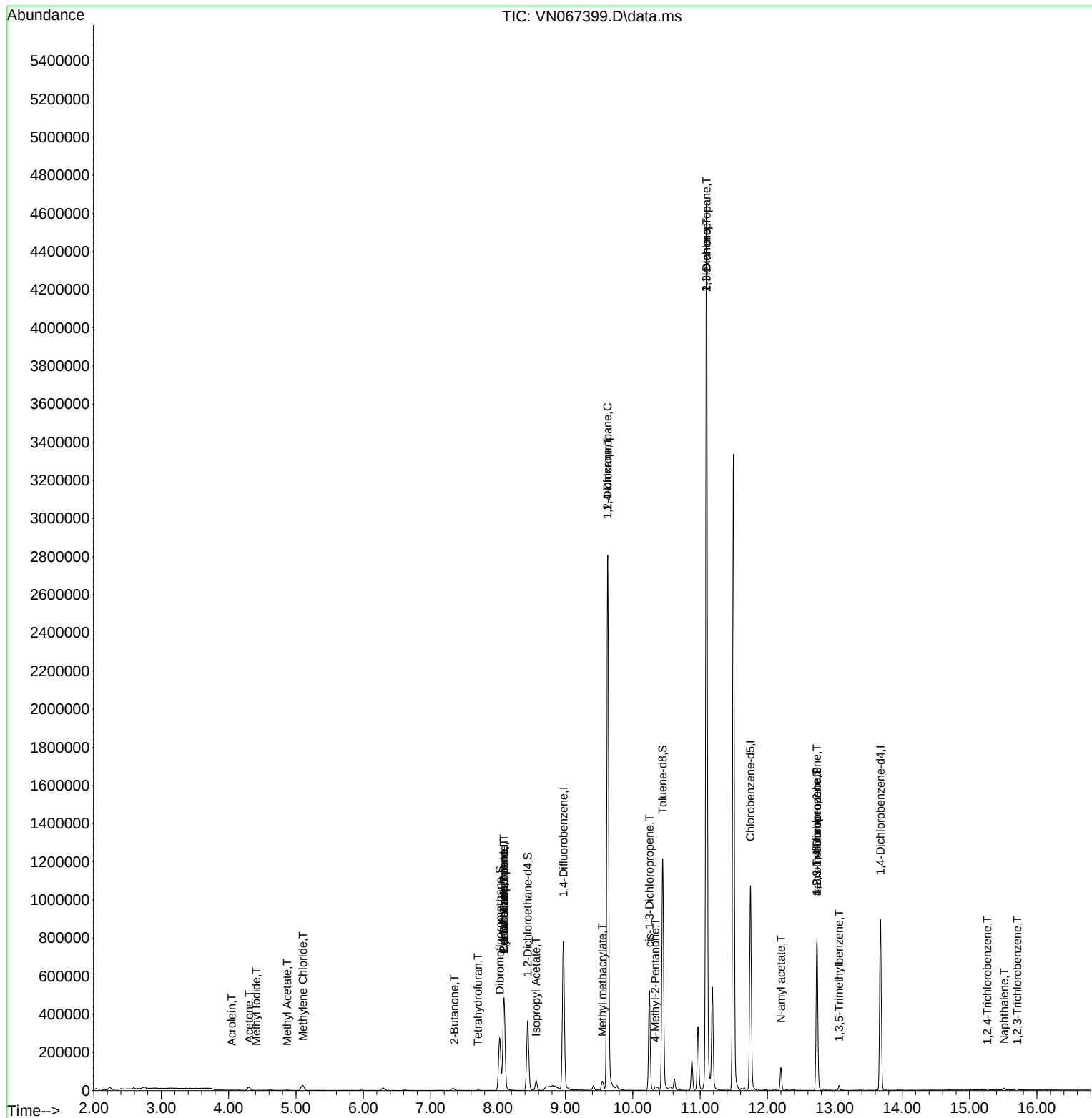
Internal Standards						
1) Pentafluorobenzene	8.088	168	318023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	638341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	573382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	202118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	304683	48.565	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.120%		
35) Dibromofluoromethane	8.027	113	197106	46.427	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.860%		
50) Toluene-d8	10.443	98	841484	51.713	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.420%		
62) 4-Bromofluorobenzene	12.734	95	297354	44.280	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.560%		
Target Compounds						Qvalue
10) Methyl Iodide	4.409	142	196	6.785	ug/l #	33
13) Acrolein	4.044	56	686	1.064	ug/l #	14
16) Acetone	4.301	43	29934	12.433	ug/l	95
18) Methyl Acetate	4.870	43	3719	0.637	ug/l #	69
20) Methylene Chloride	5.103	84	20301	4.053	ug/l	93
25) 2-Butanone	7.351	43	3975	1.155	ug/l #	85
29) Tetrahydrofuran	7.699	42	1652	0.762	ug/l #	63
31) Cyclohexane	8.086	56	11520	1.351	ug/l #	22
36) 1,1-Dichloropropene	8.086	75	36216	5.061	ug/l #	47
38) Carbon Tetrachloride	8.088	117	38470	5.001	ug/l #	16
43) Isopropyl Acetate	8.566	43	58395	4.291	ug/l #	93
45) 1,2-Dichloropropane	9.625	63	3486	0.654	ug/l #	44
48) Methyl methacrylate	9.547	41	11941	1.924	ug/l #	12
49) 1,4-Dioxane	9.628	88	236	2.779	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	10113	1.291	ug/l #	74
54) cis-1,3-Dichloropropene	10.247	75	92685	10.186	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	47788	5.387	ug/l #	43
59) 2-Hexanone	11.095	43	783457	136.488	ug/l #	53
74) N-amyl acetate	12.200	43	39976	4.222	ug/l #	56
76) 1,2,3-Trichloropropane	12.734	75	168212	32.048	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	12729	0.779	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.734	75	168212	79.426	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	760	0.215	ug/l #	26
95) Naphthalene	15.515	128	8157	3.237	ug/l	95
96) 1,2,3-Trichlorobenzene	15.711	180	1680	0.496	ug/l #	83

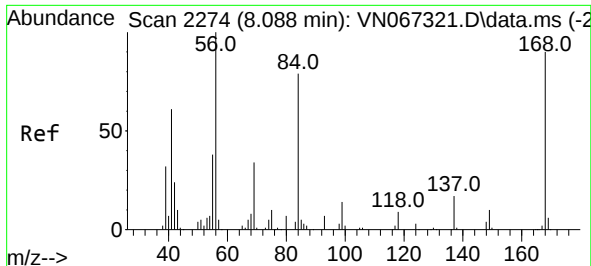
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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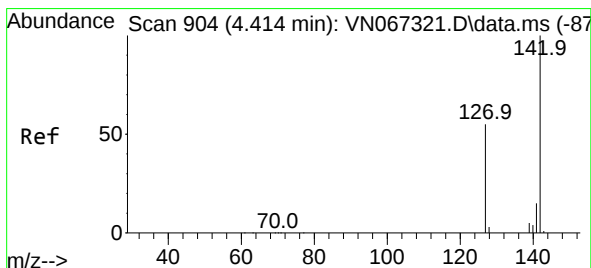
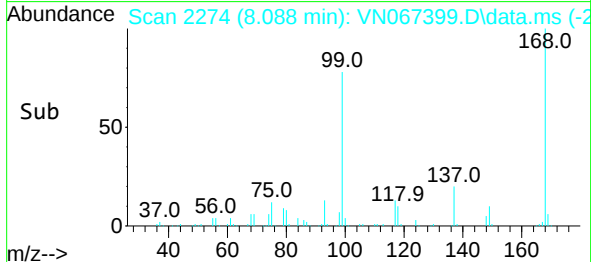
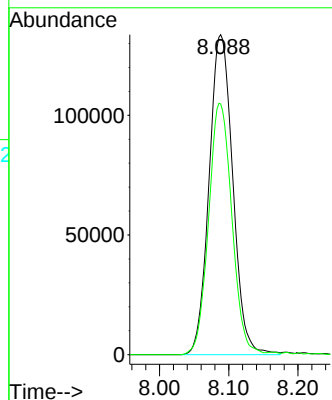
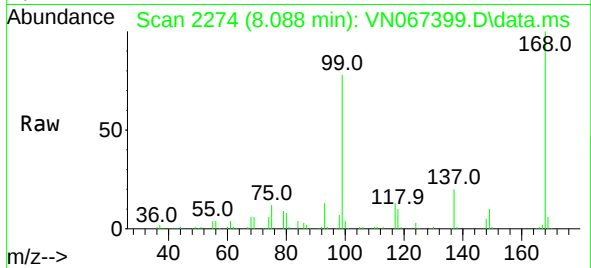




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

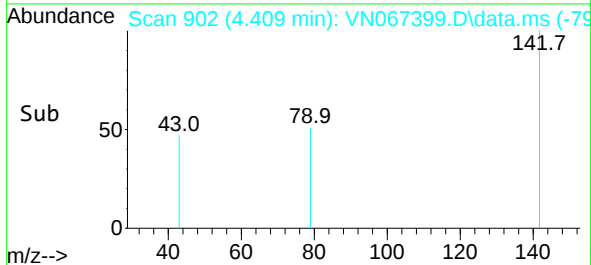
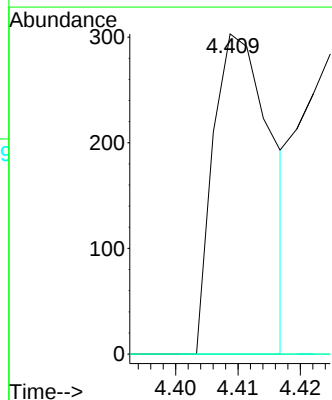
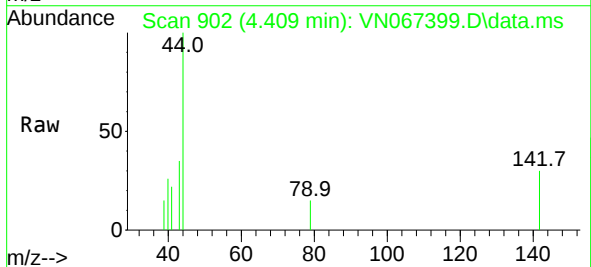
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

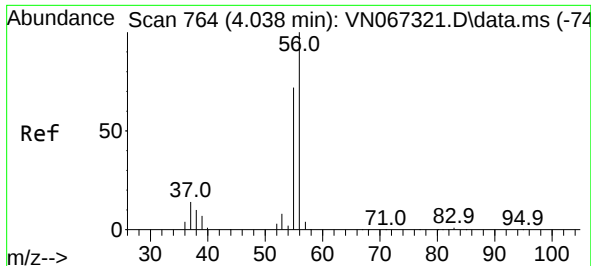
Tgt Ion:168 Resp: 318023
Ion Ratio Lower Upper
168 100
99 78.4 62.9 94.3



#10
Methyl Iodide
Concen: 6.785 ug/l
RT: 4.409 min Scan# 902
Delta R.T. -0.005 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

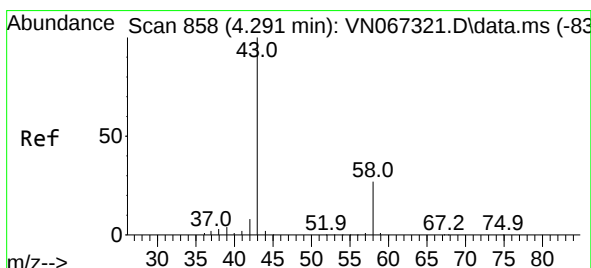
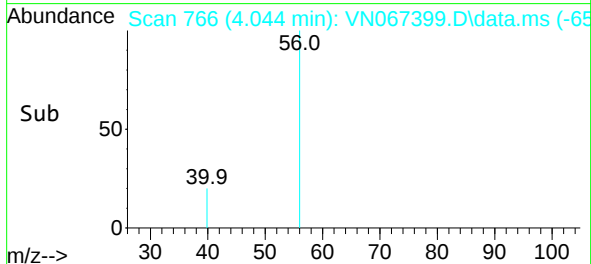
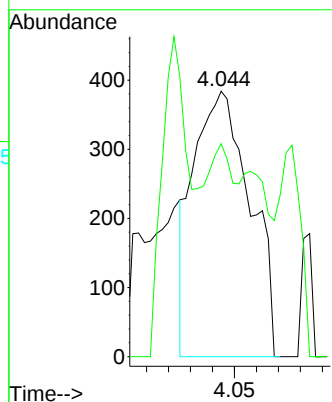
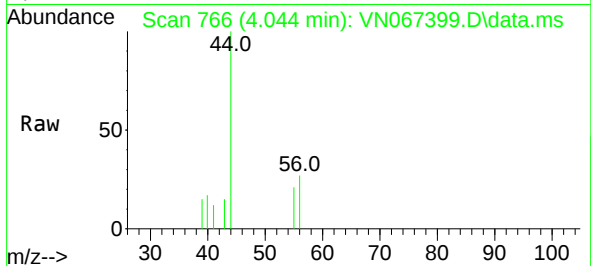




#13
Acrolein
Concen: 1.064 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

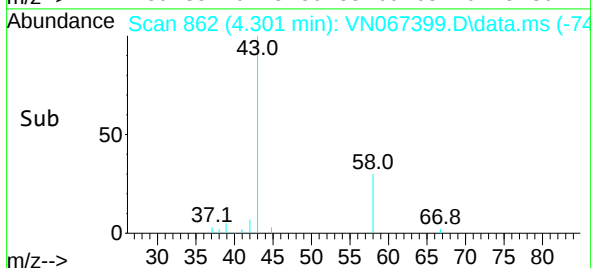
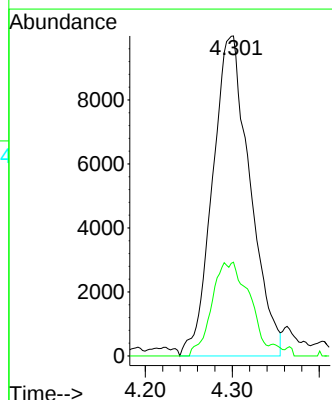
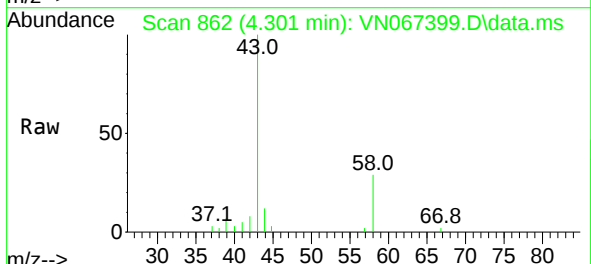
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

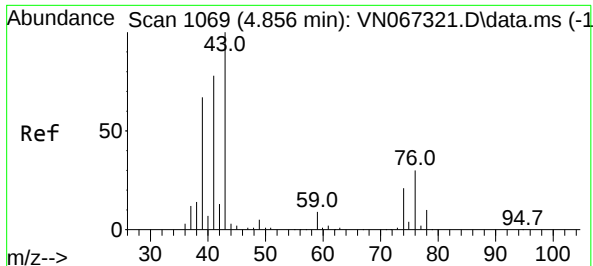
Tgt Ion: 56 Resp: 686
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 12.433 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 43 Resp: 29934
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8





#18

Methyl Acetate

Concen: 0.637 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.014 min

Lab File: VN067399.D

Acq: 18 Jun 2021 14:49

Tgt Ion: 43 Resp: 3719

Ion Ratio Lower Upper

43 100

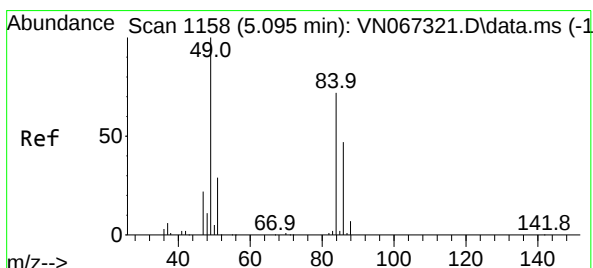
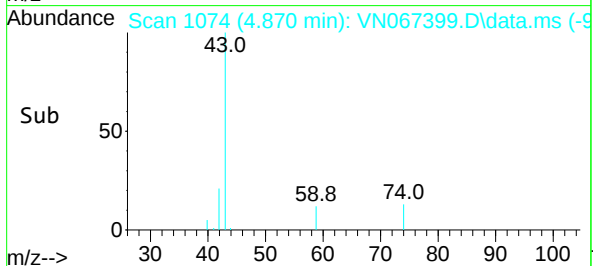
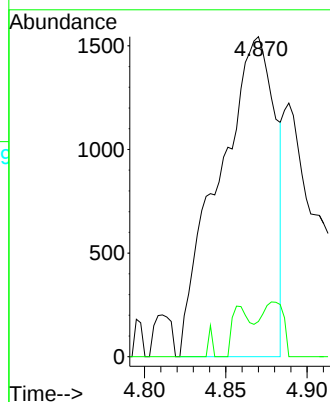
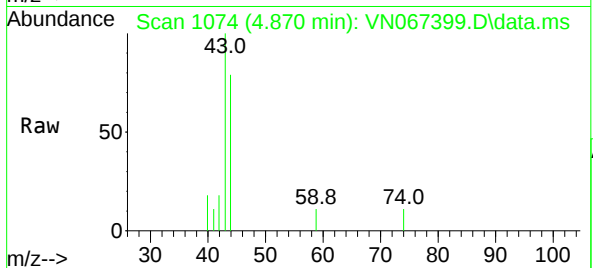
74 6.9 17.4 26.0#

Instrument :

MSVOA_N

ClientSampleId :

PB137182ZHE#01



#20

Methylene Chloride

Concen: 4.053 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.008 min

Lab File: VN067399.D

Acq: 18 Jun 2021 14:49

Tgt Ion: 84 Resp: 20301

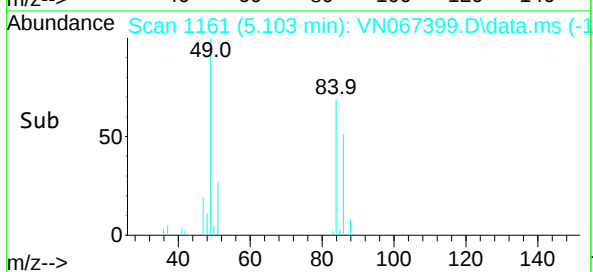
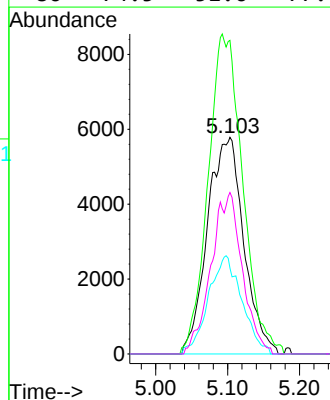
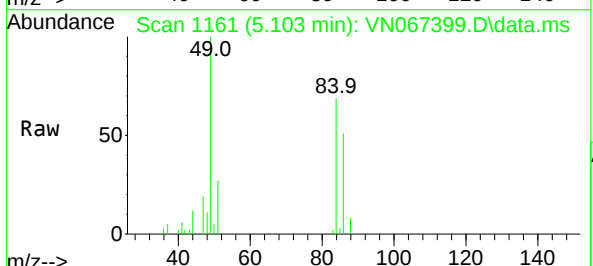
Ion Ratio Lower Upper

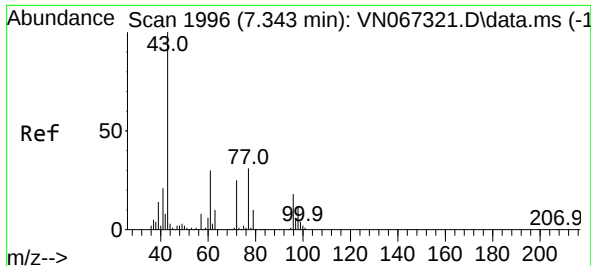
84 100

49 144.8 110.9 166.3

51 39.7 32.6 49.0

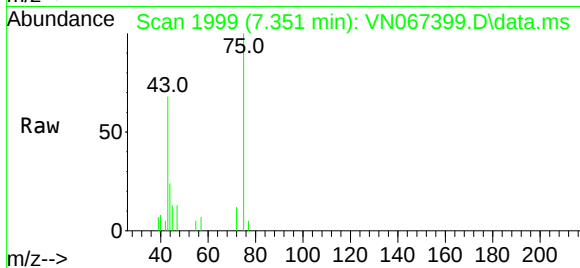
86 74.5 51.6 77.4



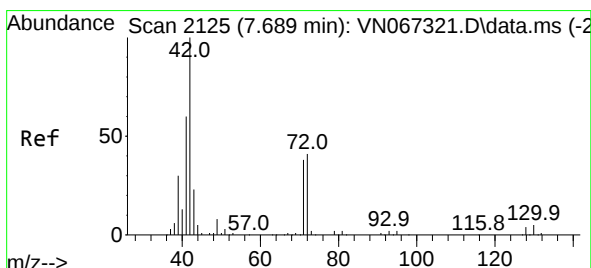
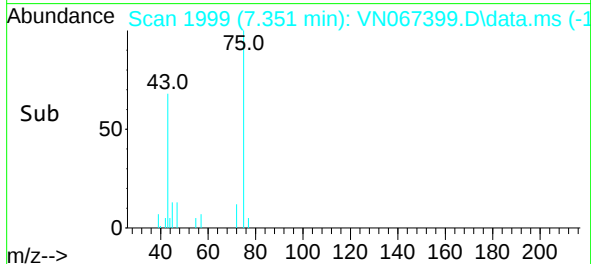
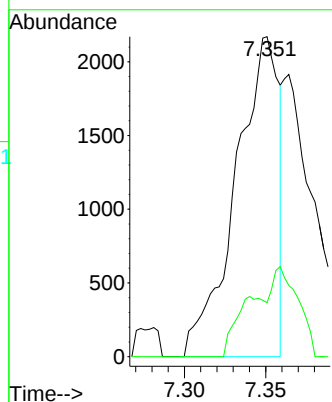


#25
2-Butanone
Concen: 1.155 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

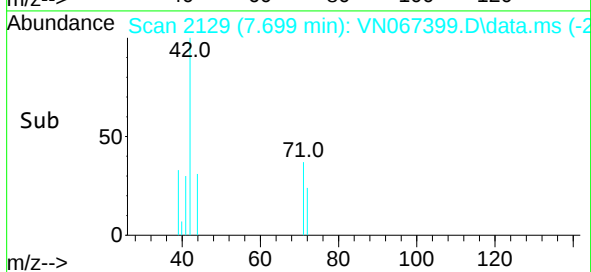
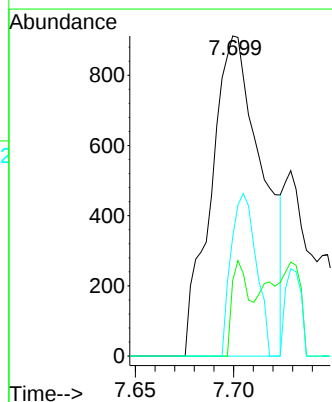
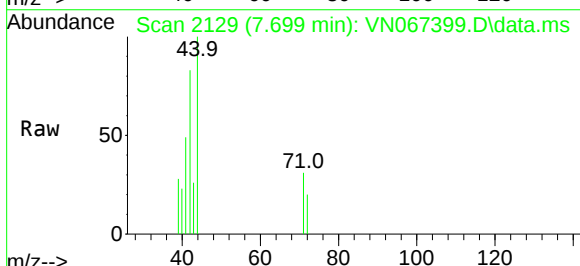


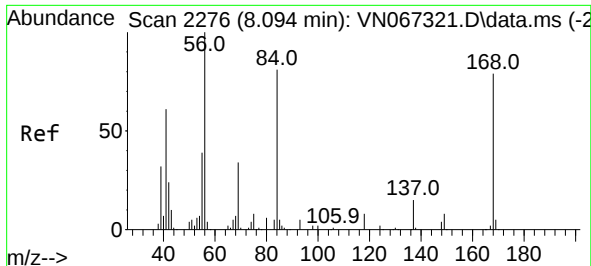
Tgt Ion: 43 Resp: 3975
Ion Ratio Lower Upper
43 100
72 16.9 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.762 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 42 Resp: 1652
Ion Ratio Lower Upper
42 100
72 10.1 32.8 49.2#
71 24.9 31.2 46.8#

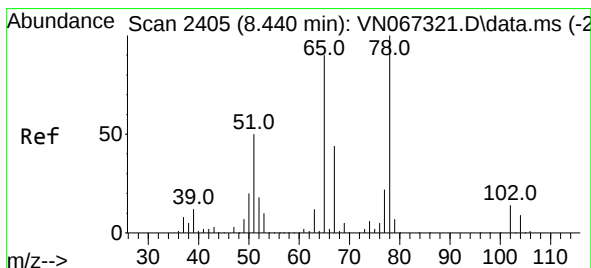
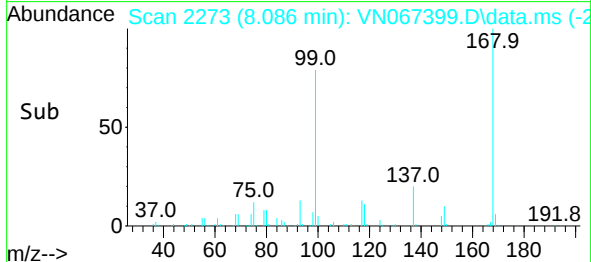
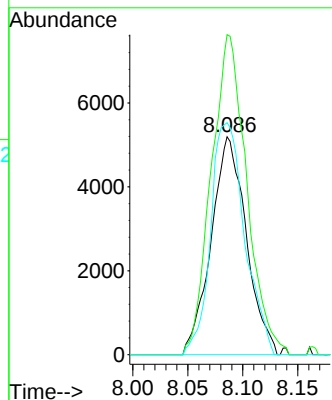
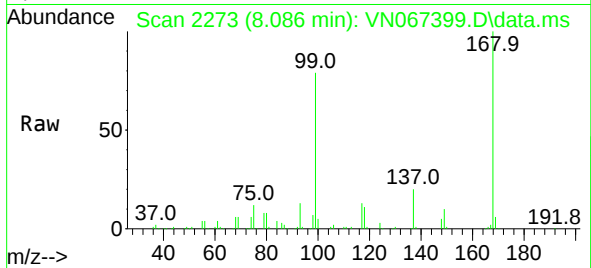




#31
Cyclohexane
Concen: 1.351 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

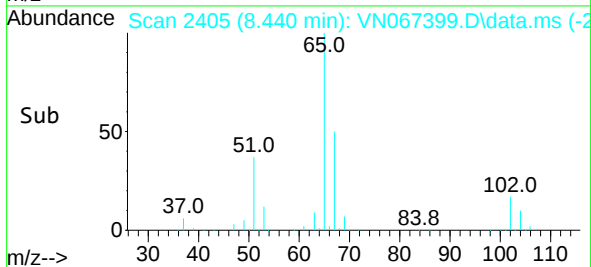
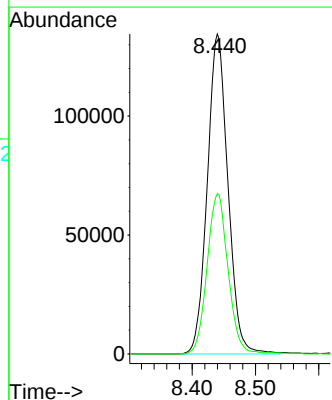
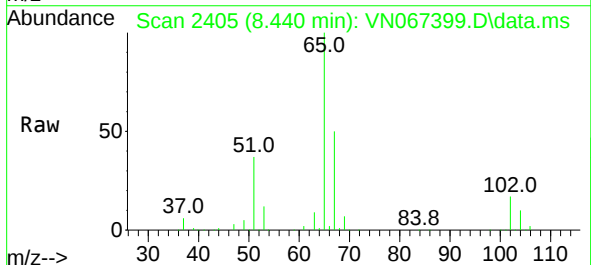
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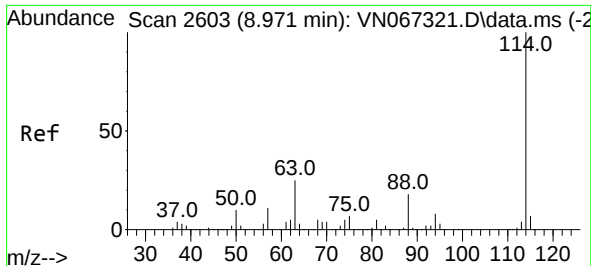
Tgt Ion: 56 Resp: 11520
Ion Ratio Lower Upper
56 100
69 146.9 27.3 40.9#
84 106.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.565 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 65 Resp: 304683
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

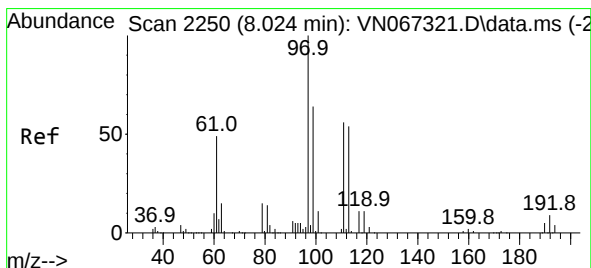
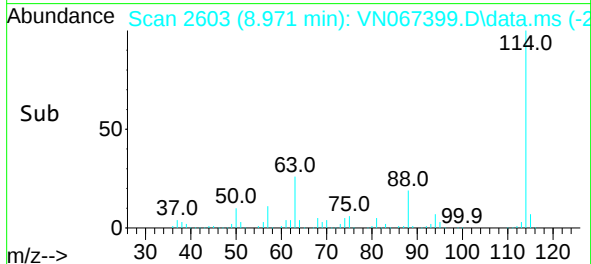
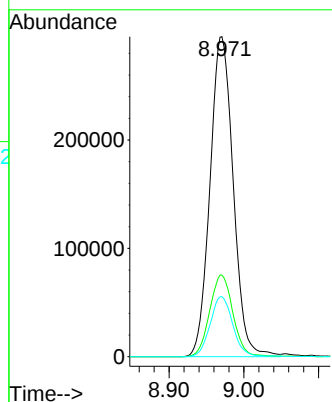
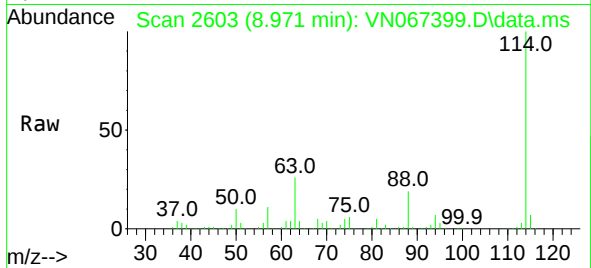




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

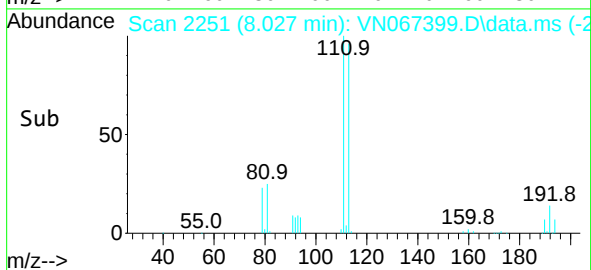
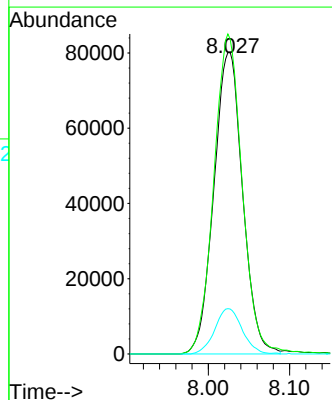
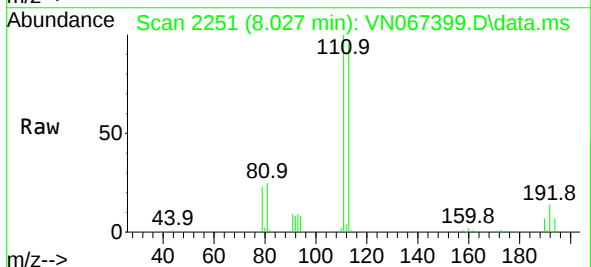
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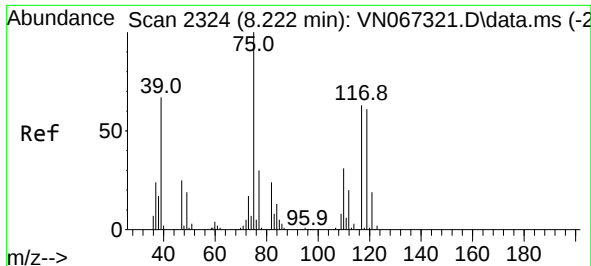
Tgt Ion:114 Resp: 638341
Ion Ratio Lower Upper
114 100
63 25.5 0.0 49.0
88 18.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.427 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion:113 Resp: 197106
Ion Ratio Lower Upper
113 100
111 104.7 83.8 125.8
192 14.3 13.4 20.0

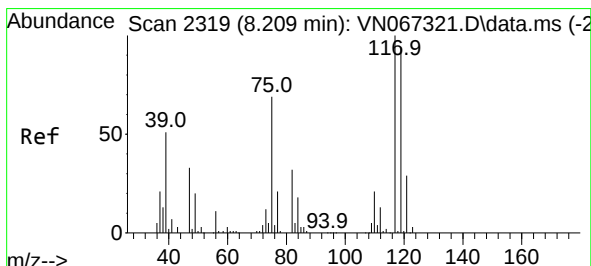
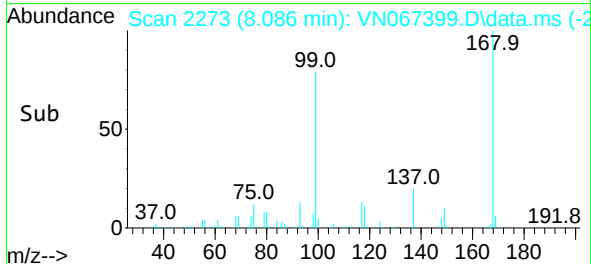
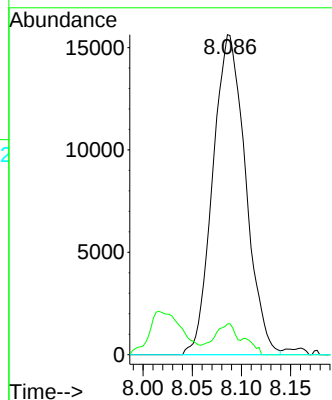
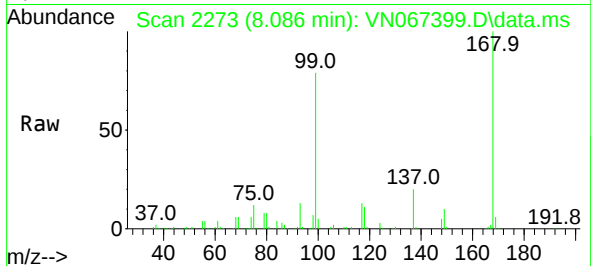




#36
1,1-Dichloropropene
Concen: 5.061 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

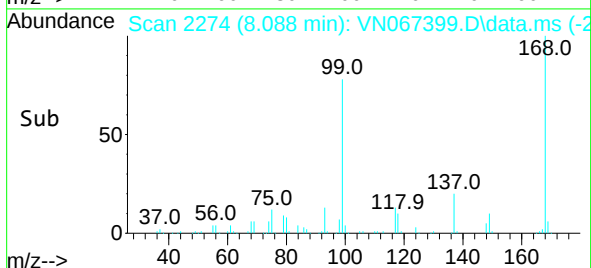
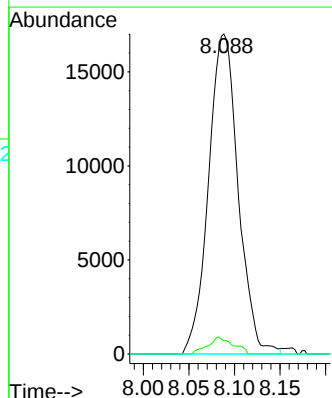
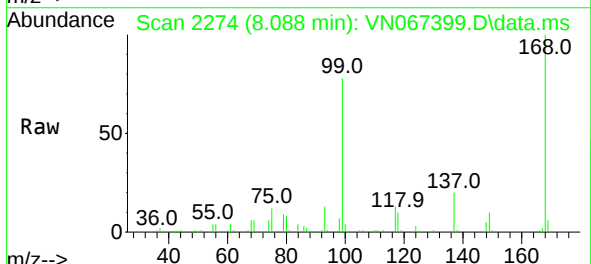
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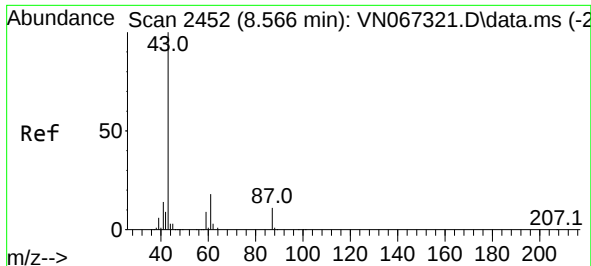
Tgt Ion: 75 Resp: 36216
Ion Ratio Lower Upper
75 100
110 3.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.001 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

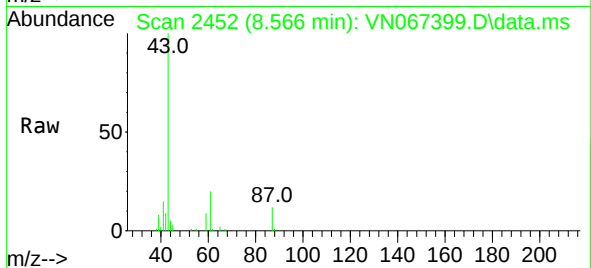
Tgt Ion: 117 Resp: 38470
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#



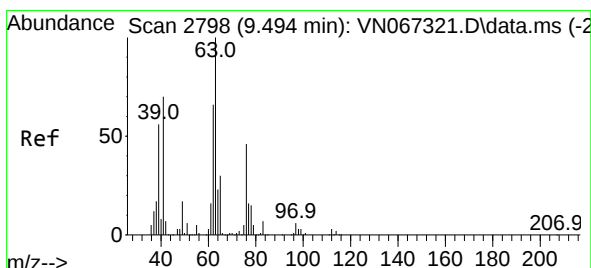
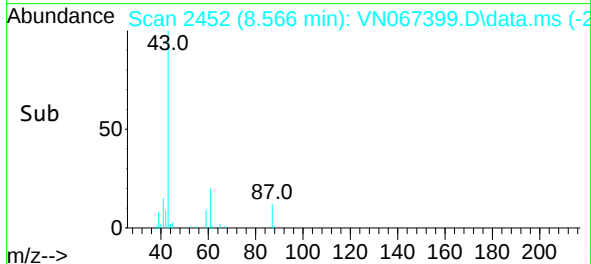
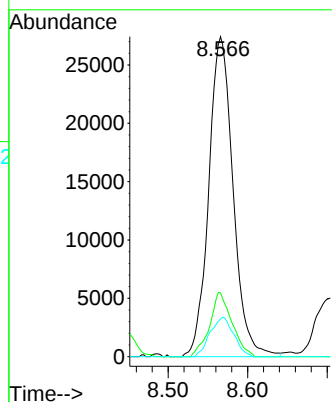


#43
Isopropyl Acetate
Concen: 4.291 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

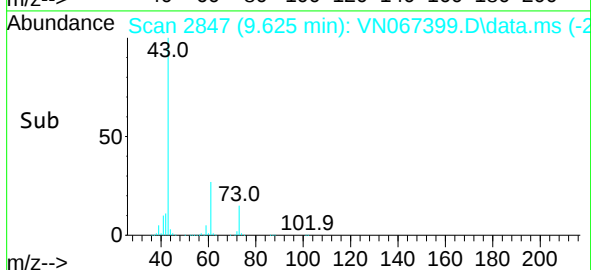
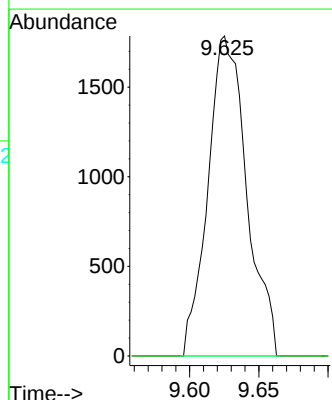
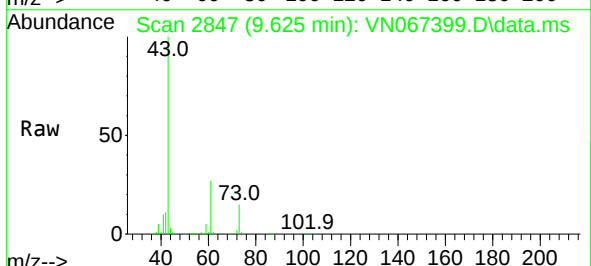


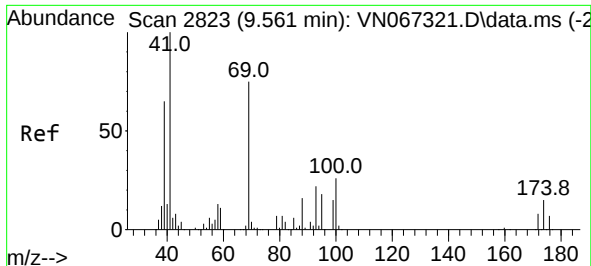
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.4	19.0	28.4#
87	11.9	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.654 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

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

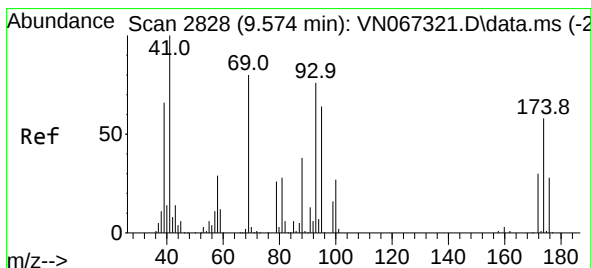
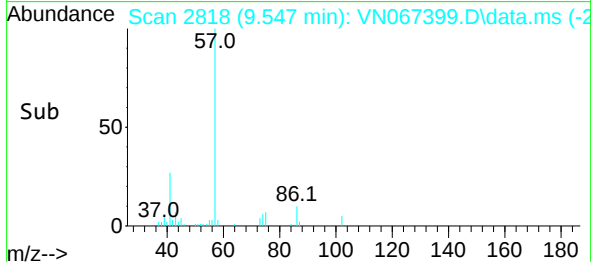
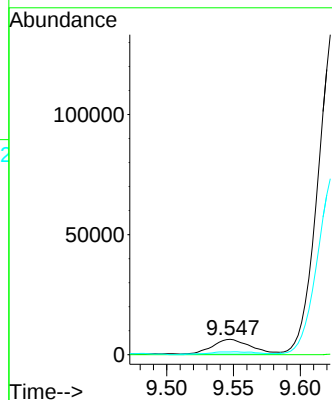
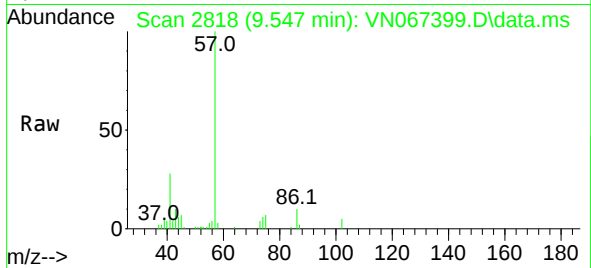




#48
Methyl methacrylate
Concen: 1.924 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

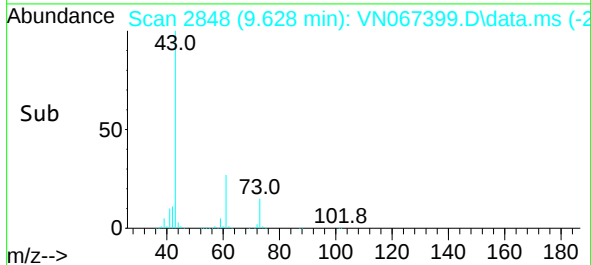
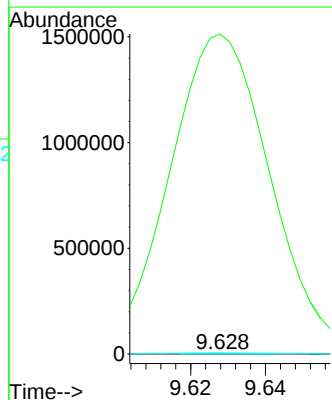
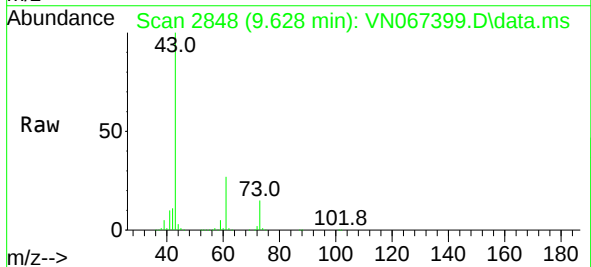
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

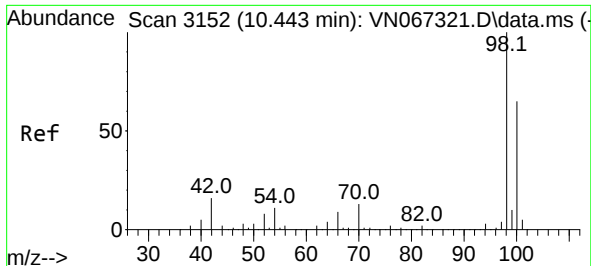
Tgt Ion: 41 Resp: 11941
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 2.779 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.054 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 1241800.0 28.8 43.2#
58 4504.7 60.4 90.6#

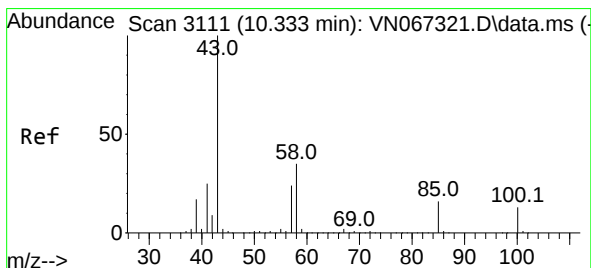
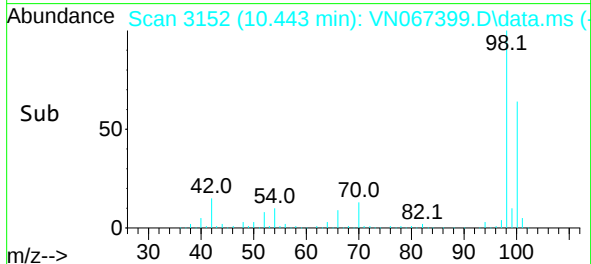
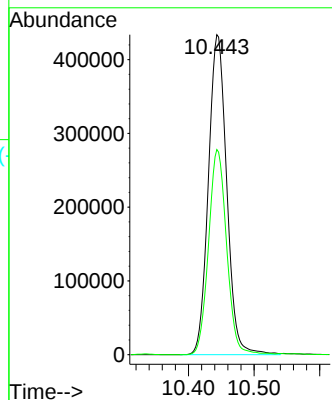
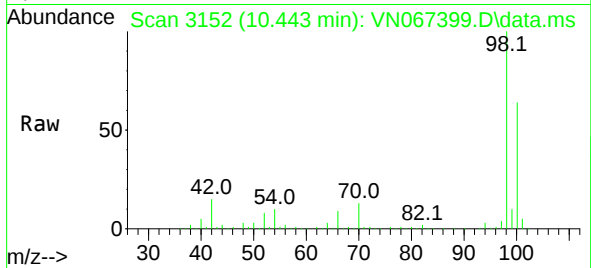




#50
Toluene-d8
Concen: 51.713 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

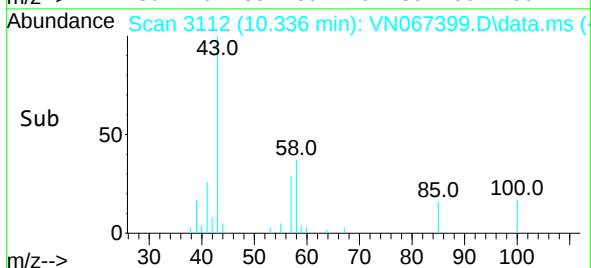
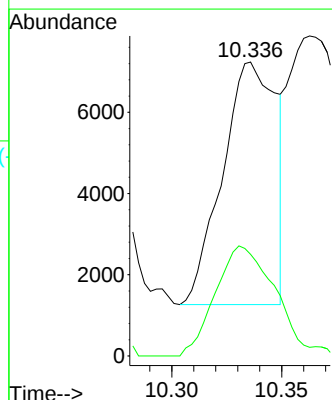
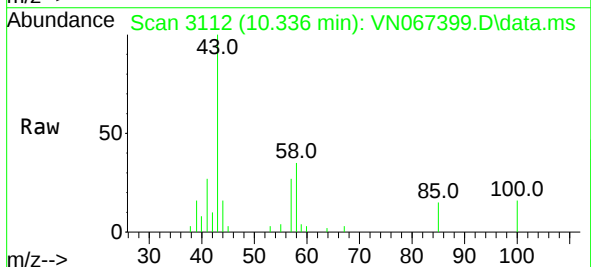
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

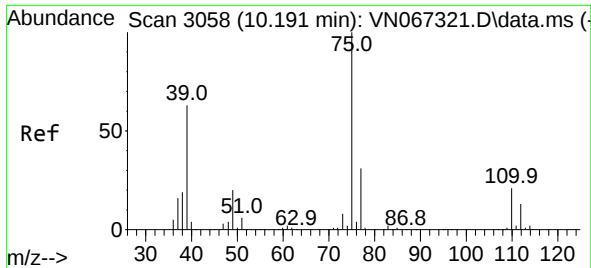
Tgt Ion: 98 Resp: 841484
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 43 Resp: 10113
Ion Ratio Lower Upper
43 100
58 50.8 28.6 43.0#

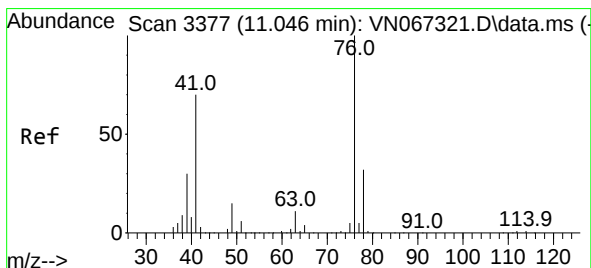
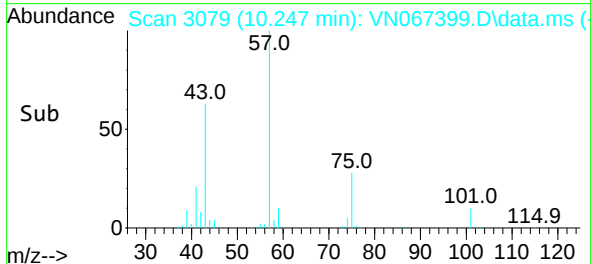
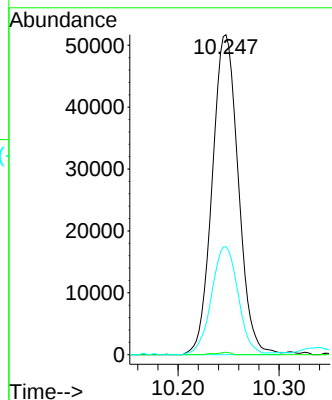
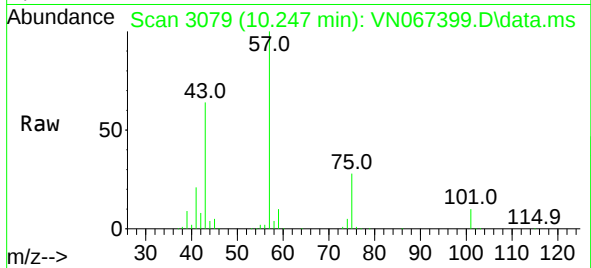




#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

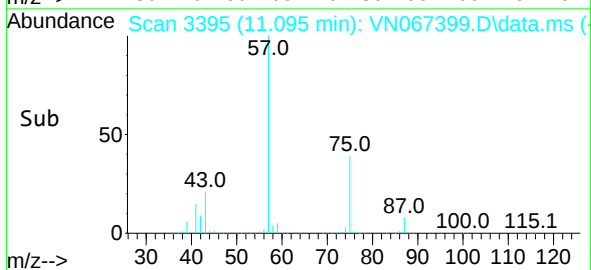
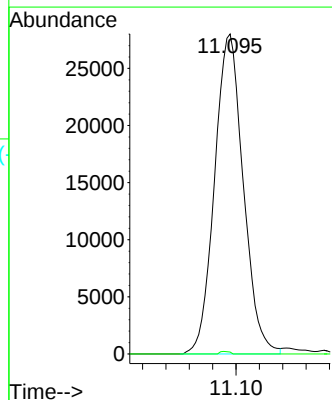
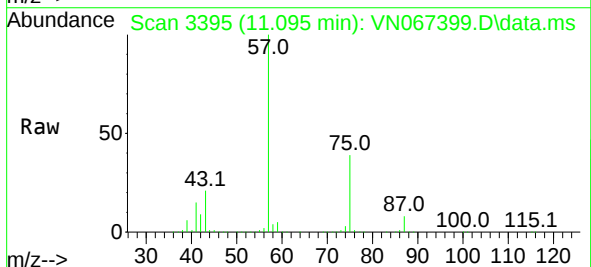
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

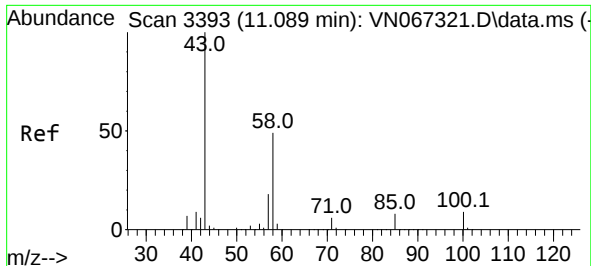
Tgt Ion: 75 Resp: 92685
Ion Ratio Lower Upper
75 100
77 0.8 24.6 37.0#
39 33.8 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 5.387 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 76 Resp: 47788
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

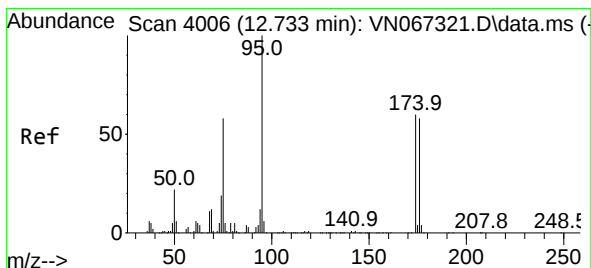
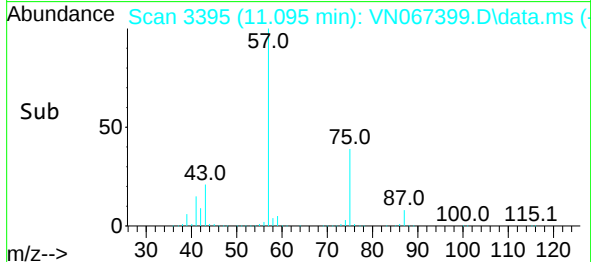
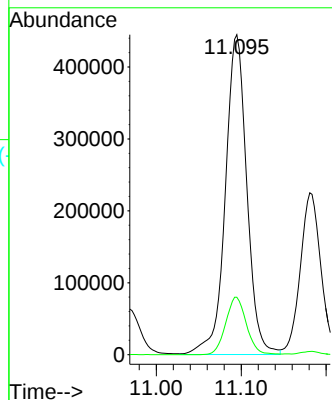
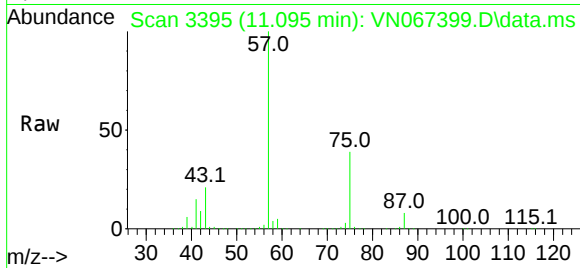




#59
2-Hexanone
Concen: 136.488 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

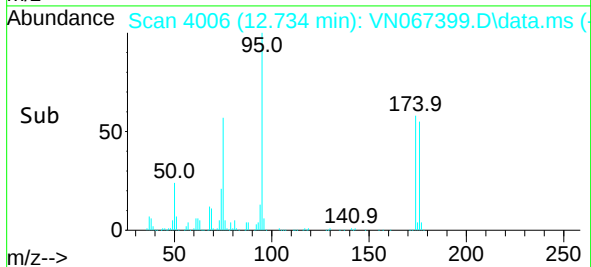
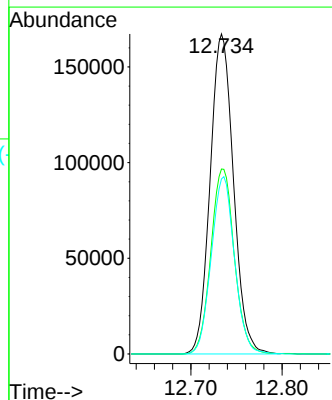
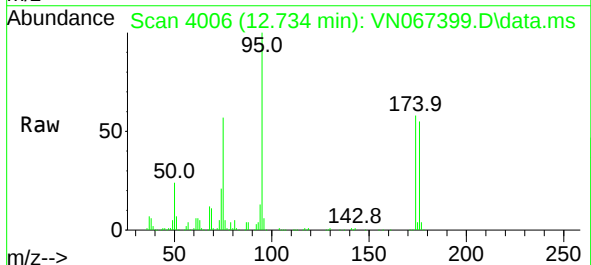
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

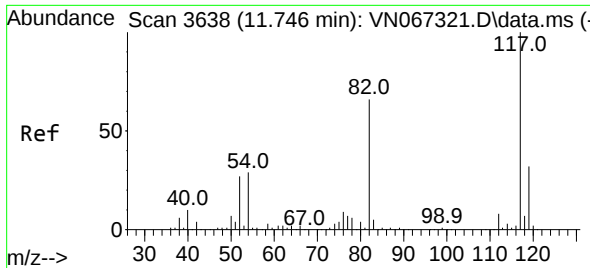
Tgt Ion: 43 Resp: 783457
Ion Ratio Lower Upper
43 100
58 17.4 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 95 Resp: 297354
Ion Ratio Lower Upper
95 100
174 58.2 0.0 122.0
176 55.2 0.0 117.6

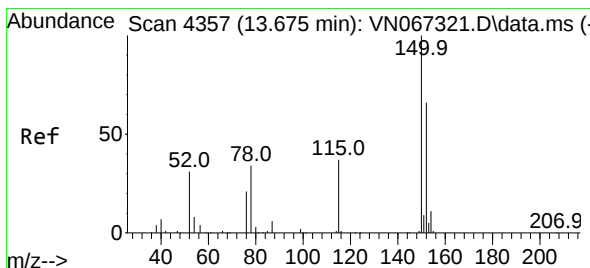
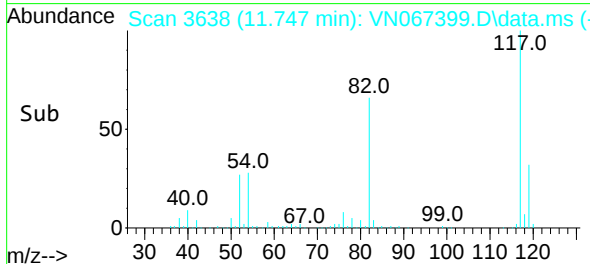
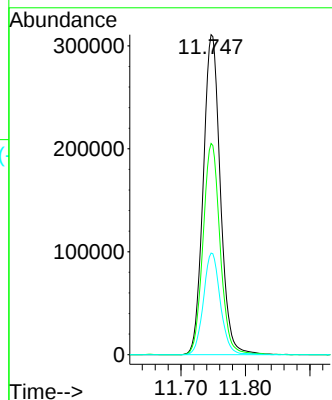
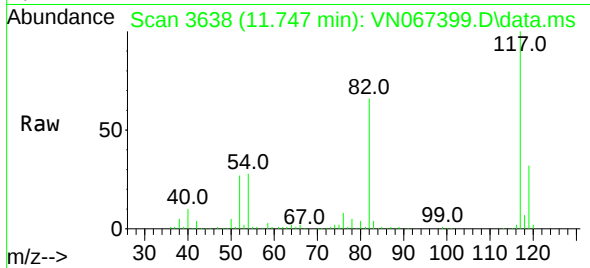




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

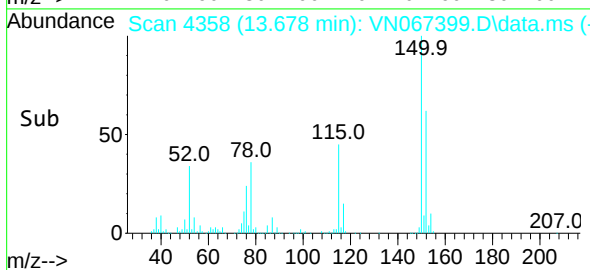
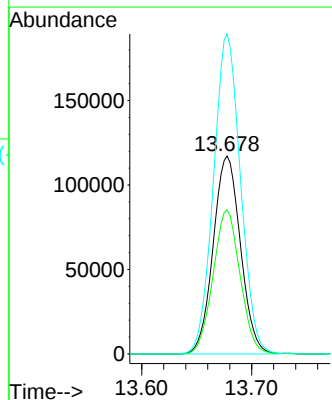
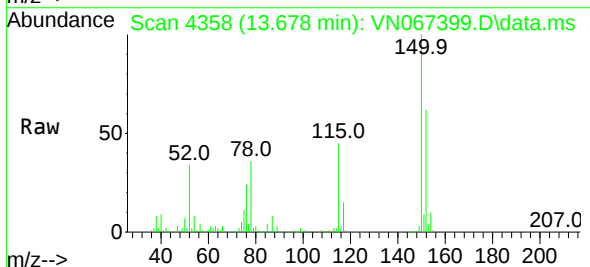
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

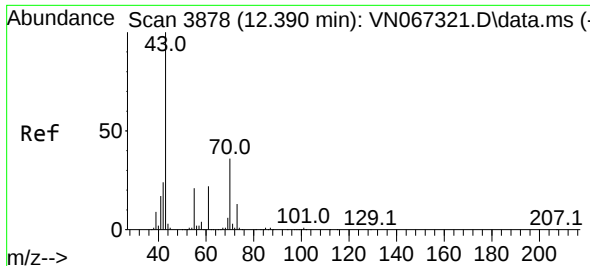
Tgt Ion:117 Resp: 573382
Ion Ratio Lower Upper
117 100
82 66.0 53.1 79.7
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

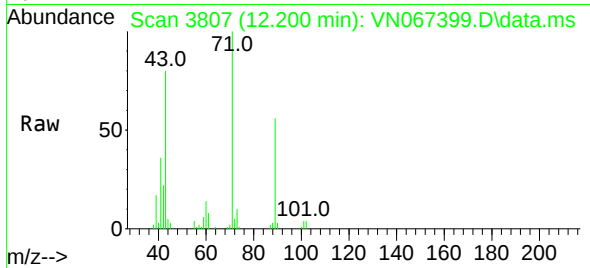
Tgt Ion:152 Resp: 202118
Ion Ratio Lower Upper
152 100
115 72.0 36.1 108.5
150 160.0 0.0 351.8



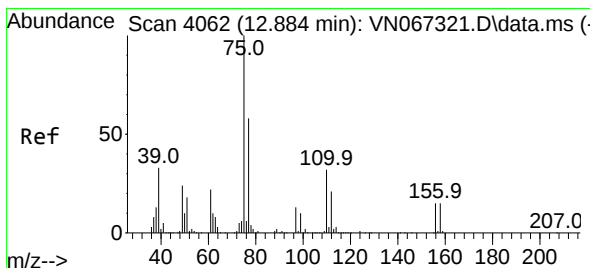
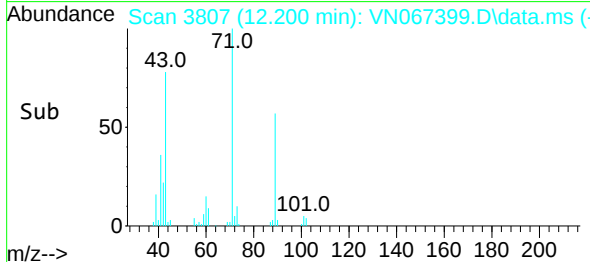
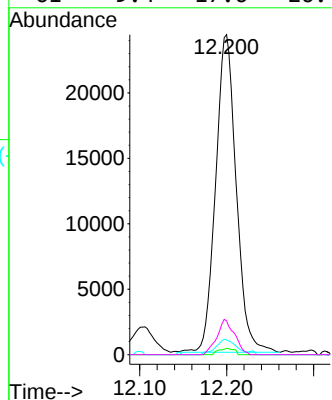


#74
N-amy1 acetate
Concen: 4.222 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

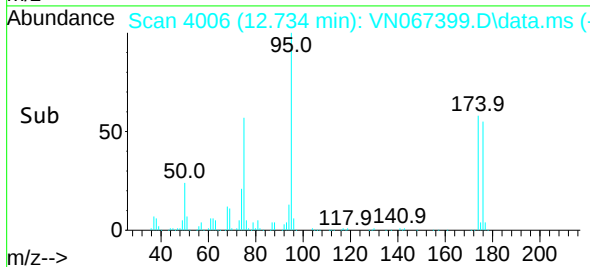
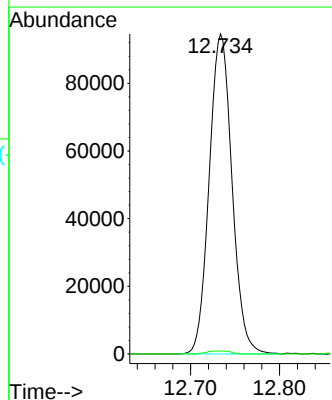
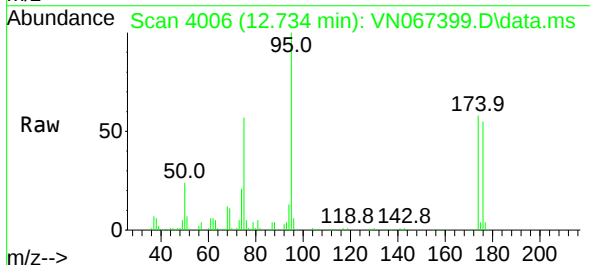


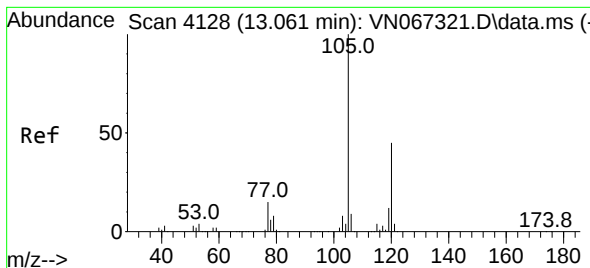
Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.5	29.4	44.2#
55	4.7	17.0	25.4#
61	9.4	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 32.048 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

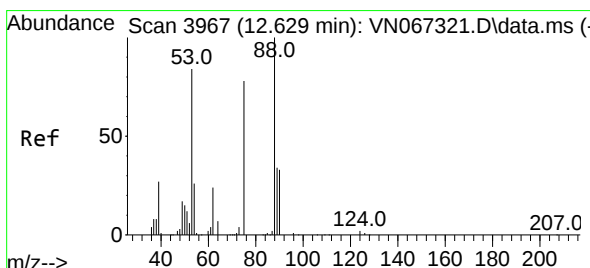
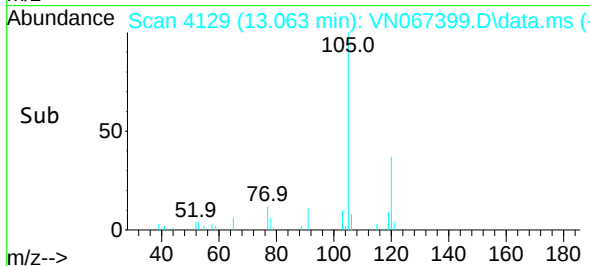
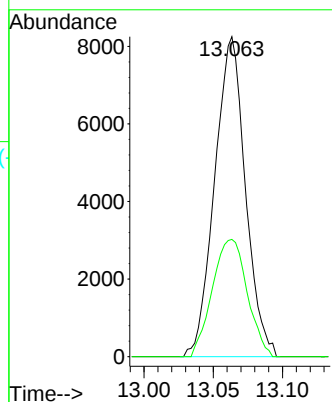
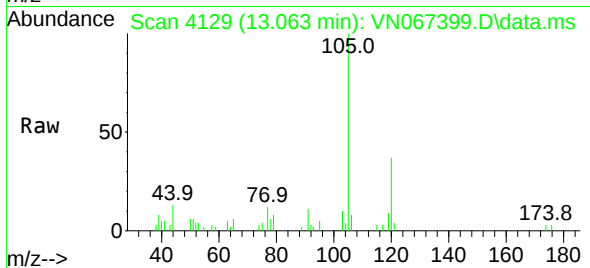




#80
1,3,5-Trimethylbenzene
Concen: 0.779 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

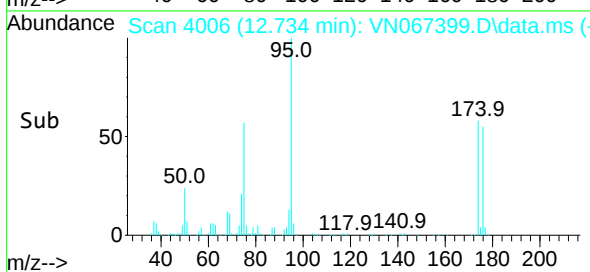
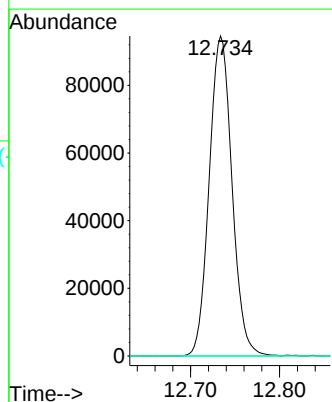
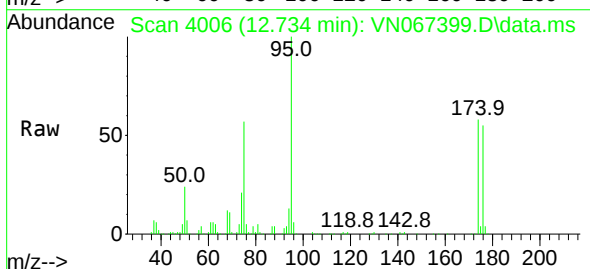
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

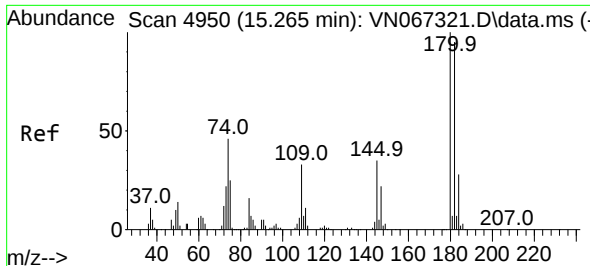
Tgt Ion:105 Resp: 12729
Ion Ratio Lower Upper
105 100
120 41.6 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 79.426 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

Tgt Ion: 75 Resp: 168212
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

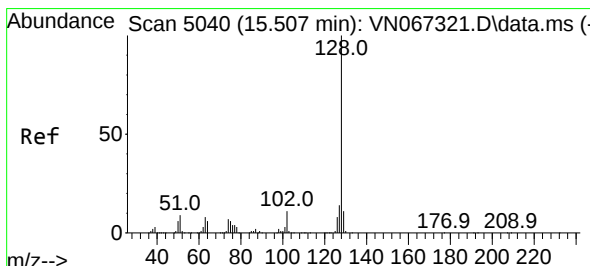
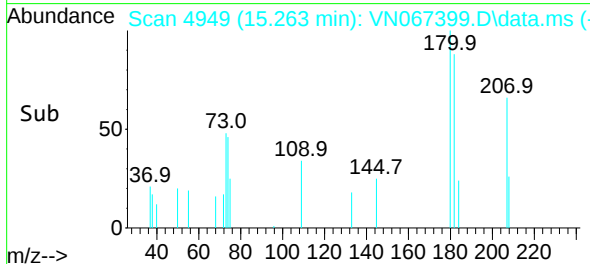
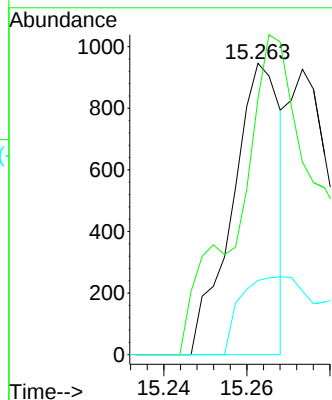
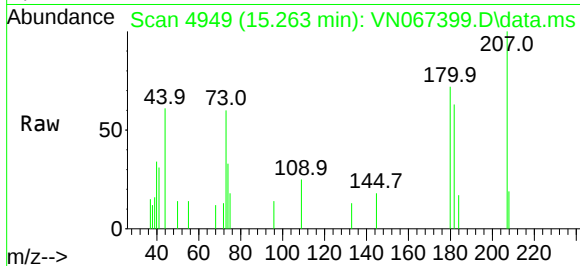




#93
1,2,4-Trichlorobenzene
Concen: 0.215 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

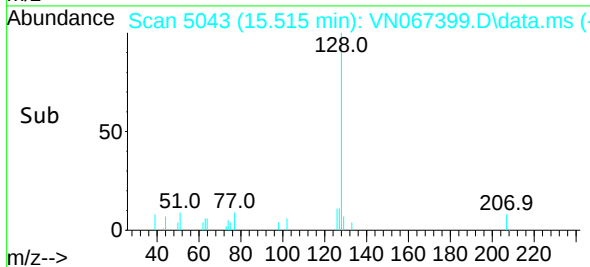
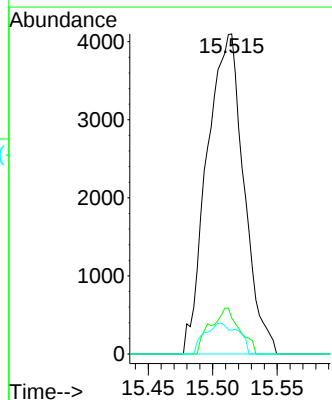
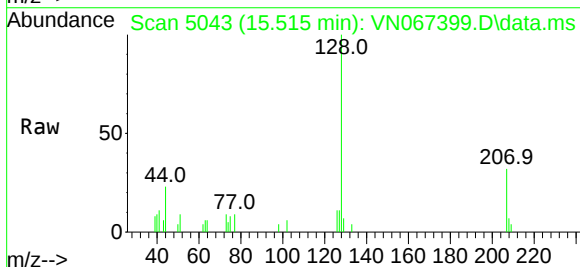
Instrument :
MSVOA_N
ClientSampleId :
PB137182ZHE#01

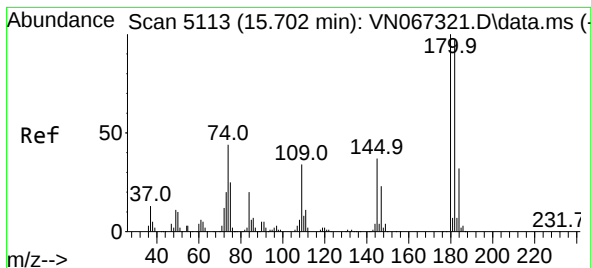
Tgt Ion:180 Resp: 760
Ion Ratio Lower Upper
180 100
182 184.3 47.5 142.5#
145 47.8 17.2 51.6



#95
Naphthalene
Concen: 3.237 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067399.D
Acq: 18 Jun 2021 14:49

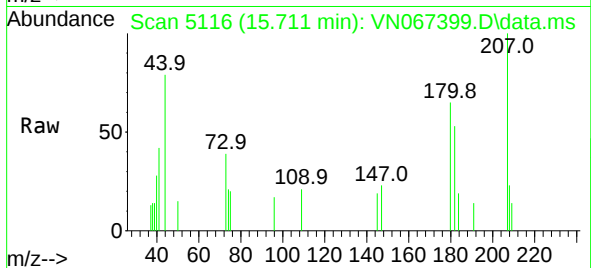
Tgt Ion:128 Resp: 8157
Ion Ratio Lower Upper
128 100
127 11.3 10.6 15.8
129 8.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.496 ug/l
 RT: 15.711 min Scan# 5116
 Delta R.T. 0.009 min
 Lab File: VN067399.D
 Acq: 18 Jun 2021 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB137182ZHE#01



Tgt Ion:180	Resp:	1680
Ion	Ratio	Lower Upper
180	100	
182	88.5	47.8 143.3
145	12.0	18.2 54.6#

