

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\
 Data File : VN067445.D
 Acq On : 22 Jun 2021 18:27
 Operator : JC/MD
 Sample : M2764-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 23 04:06:34 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)

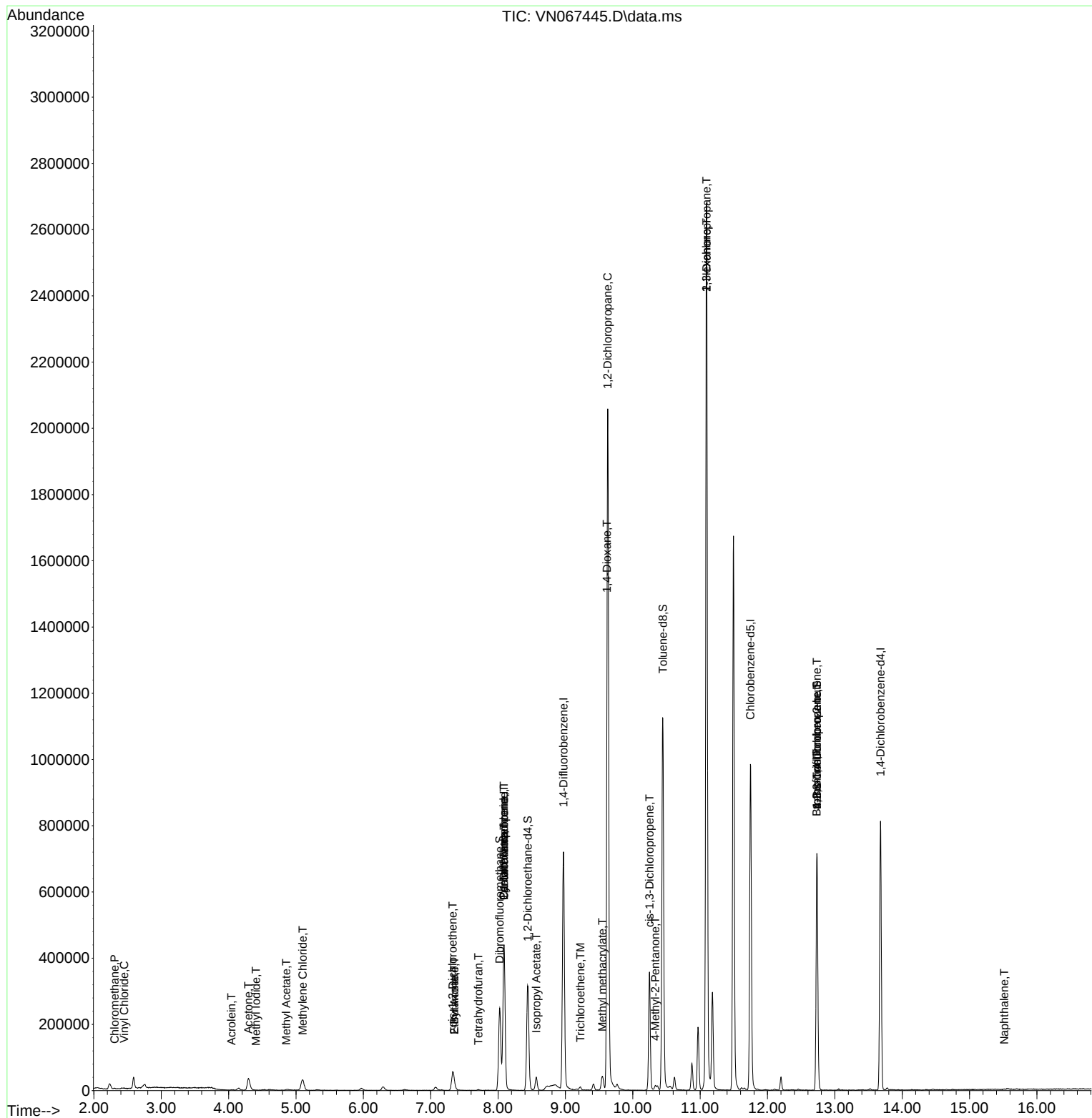
Internal Standards						
1) Pentafluorobenzene	8.088	168	284710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	594827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	532635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	181551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	259538	46.210	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.420%		
35) Dibromofluoromethane	8.024	113	180125	45.531	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.060%		
50) Toluene-d8	10.446	98	781436	51.536	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.080%		
62) 4-Bromofluorobenzene	12.734	95	264056	42.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	913	0.211	ug/l	99
4) Vinyl Chloride	2.448	62	1219	0.288	ug/l	93
10) Methyl Iodide	4.406	142	24	6.749	ug/l #	33
13) Acrolein	4.041	56	1017	1.762	ug/l #	74
16) Acetone	4.293	43	64836	30.081	ug/l	93
18) Methyl Acetate	4.854	43	1858	0.356	ug/l #	89
20) Methylene Chloride	5.101	84	25640	5.717	ug/l	94
25) 2-Butanone	7.351	43	20407	6.626	ug/l	93
27) cis-1,2-Dichloroethene	7.327	96	21536	4.837	ug/l	80
29) Tetrahydrofuran	7.708	42	997	0.513	ug/l #	76
31) Cyclohexane	8.088	56	10008	1.311	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	33855	5.077	ug/l #	51
37) Ethyl Acetate	7.351	43	20407	2.888	ug/l #	69
38) Carbon Tetrachloride	8.088	117	35632	4.971	ug/l #	16
43) Isopropyl Acetate	8.568	43	44985	3.547	ug/l	94
44) Trichloroethene	9.223	130	3040	0.698	ug/l	98
45) 1,2-Dichloropropane	9.625	63	2746	0.553	ug/l #	44
48) Methyl methacrylate	9.547	41	12173	2.105	ug/l #	29
49) 1,4-Dioxane	9.617	88	58	0.733	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	8738	1.197	ug/l #	85
54) cis-1,3-Dichloropropene	10.247	75	65993	7.783	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	28774	3.481	ug/l #	43
59) 2-Hexanone	11.095	43	433376	81.023	ug/l #	55
71) Bromoform	12.731	173	1805	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	153845	32.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	153845	80.872	ug/l #	6
95) Naphthalene	15.515	128	1789	2.761	ug/l #	73

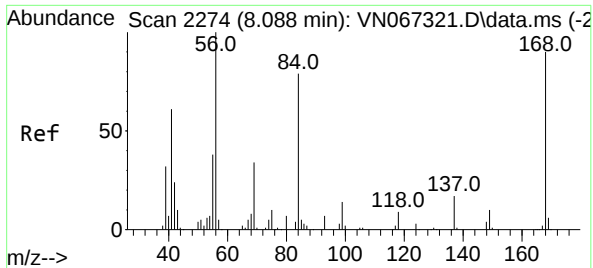
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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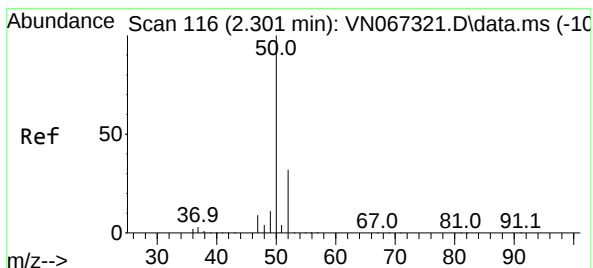
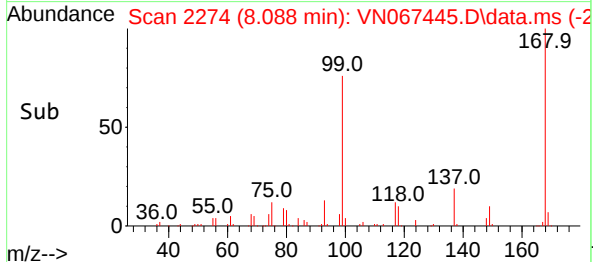
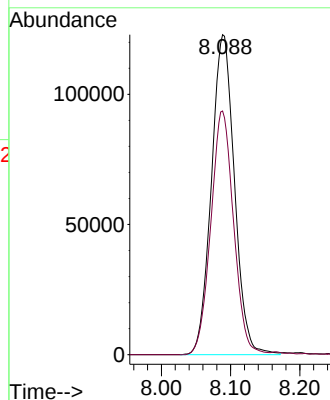
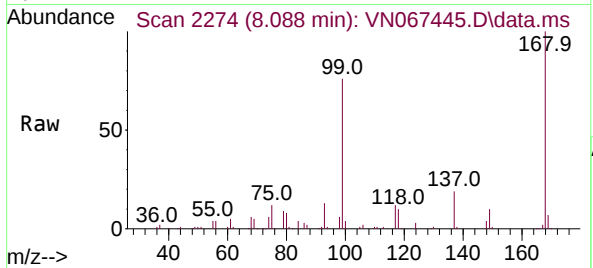




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

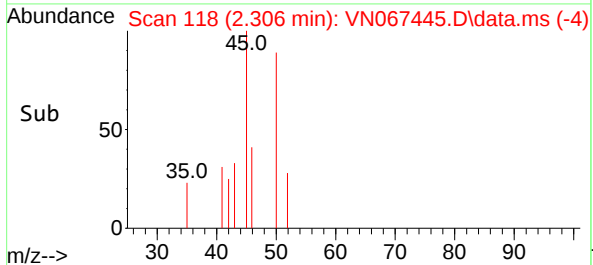
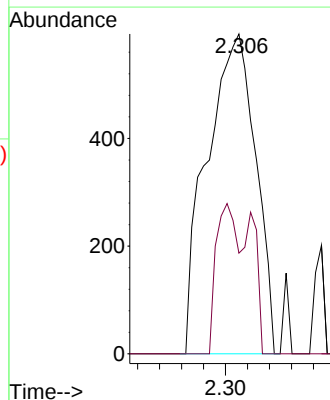
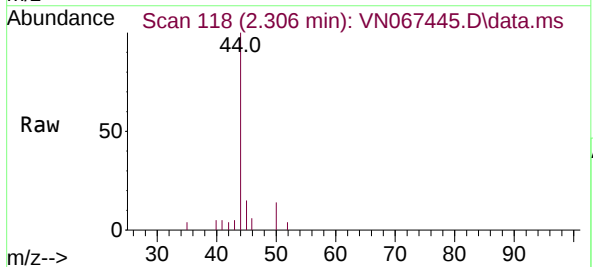
Instrument :
MSVOA_N
ClientSampleId :

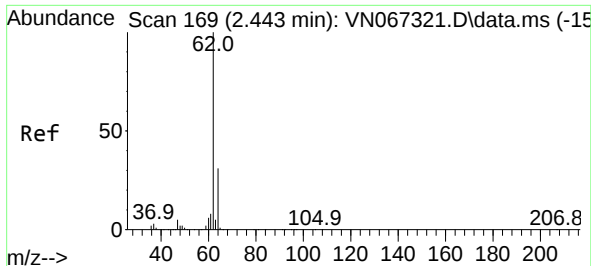
Tgt Ion:168 Resp: 284710
Ion Ratio Lower Upper
168 100
99 76.1 62.9 94.3



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

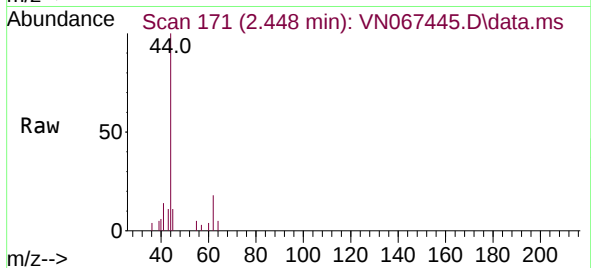
Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 31.5 25.6 38.4



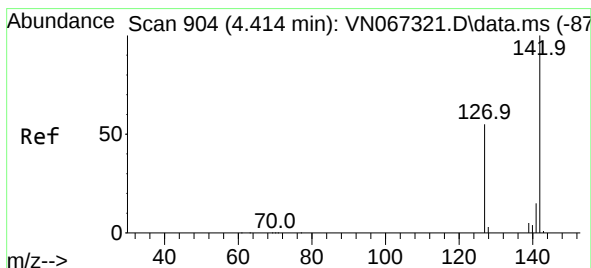
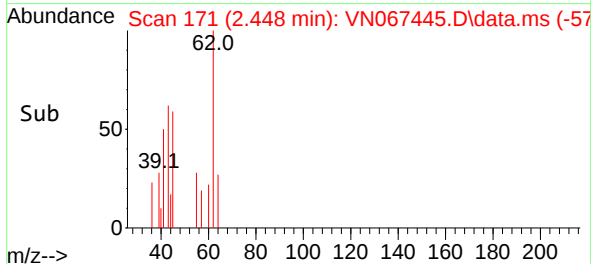
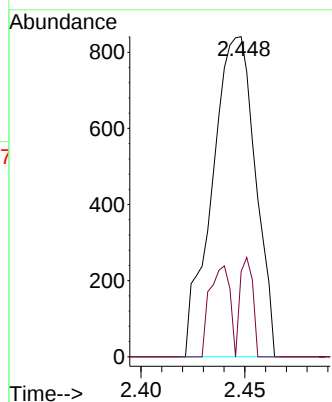


#4
 Vinyl Chloride
 Concen: 0.288 ug/l
 RT: 2.448 min Scan# 171
 Delta R.T. 0.005 min
 Lab File: VN067445.D
 Acq: 22 Jun 2021 18:27

Instrument :
 MSVOA_N
 ClientSampleId :

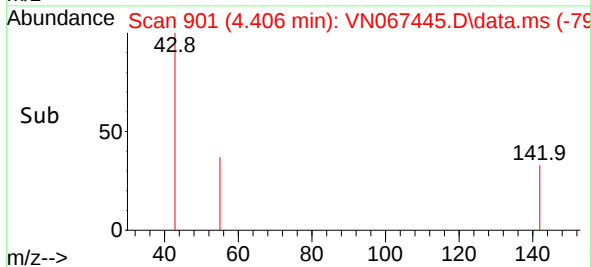
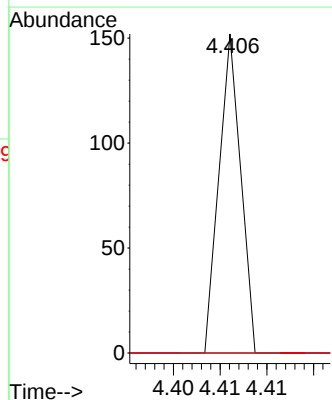
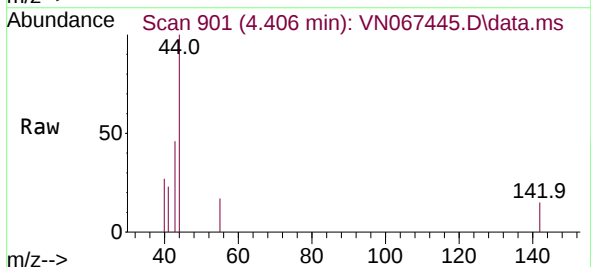


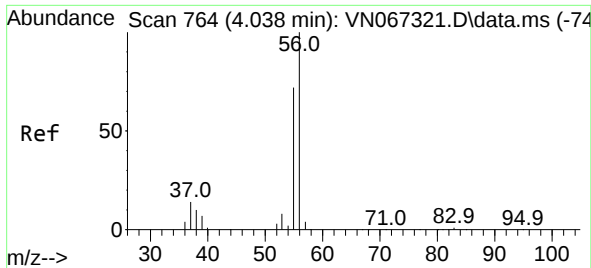
Tgt Ion: 62 Resp: 1219
 Ion Ratio Lower Upper
 62 100
 64 26.6 24.4 36.6



#10
 Methyl Iodide
 Concen: 6.749 ug/l
 RT: 4.406 min Scan# 901
 Delta R.T. -0.008 min
 Lab File: VN067445.D
 Acq: 22 Jun 2021 18:27

Tgt Ion: 142 Resp: 24
 Ion Ratio Lower Upper
 142 100
 127 0.0 43.1 64.7#
 141 0.0 11.4 17.0#

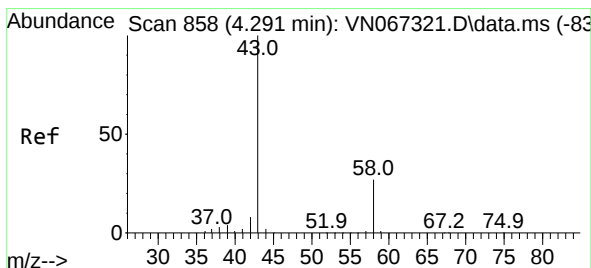
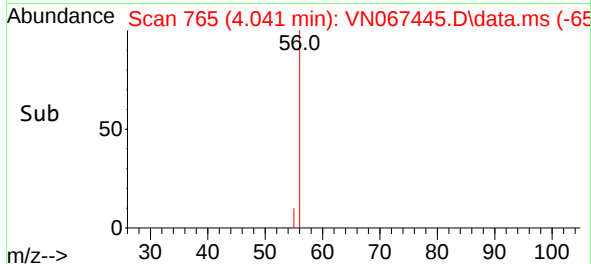
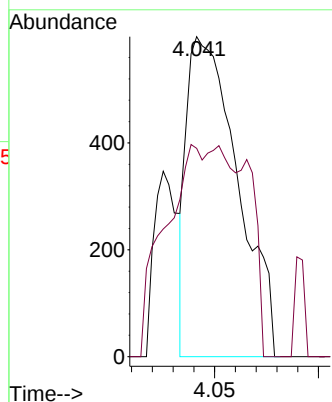
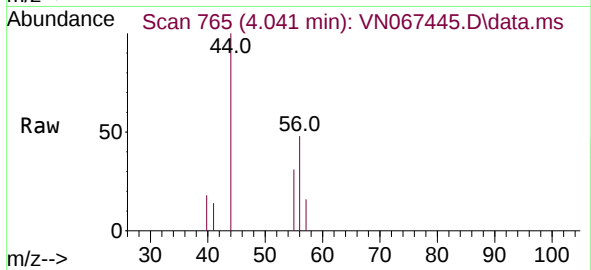




#13
Acrolein
Concen: 1.762 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

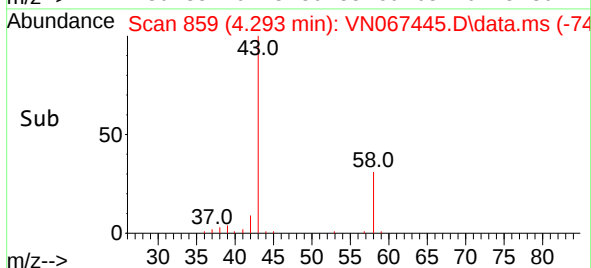
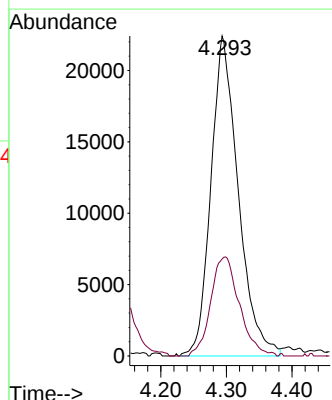
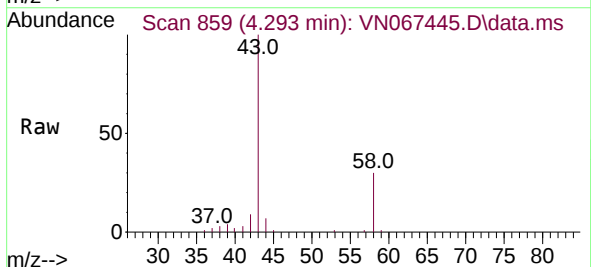
Instrument :
MSVOA_N
ClientSampleId :

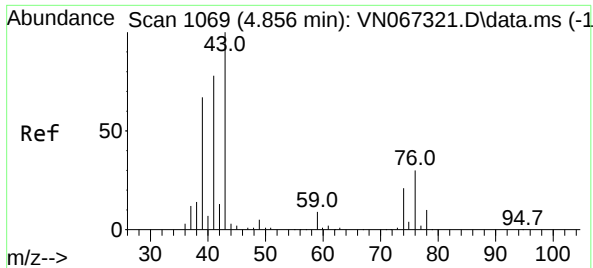
Tgt Ion: 56 Resp: 1017
Ion Ratio Lower Upper
56 100
55 49.9 57.4 86.0#



#16
Acetone
Concen: 30.081 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 43 Resp: 64836
Ion Ratio Lower Upper
43 100
58 30.3 21.2 31.8

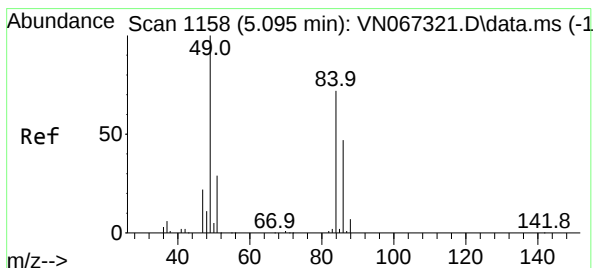
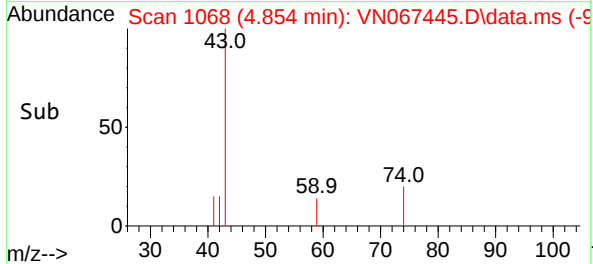
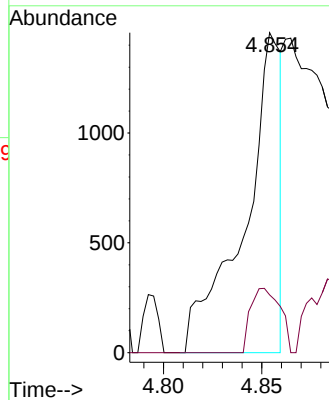
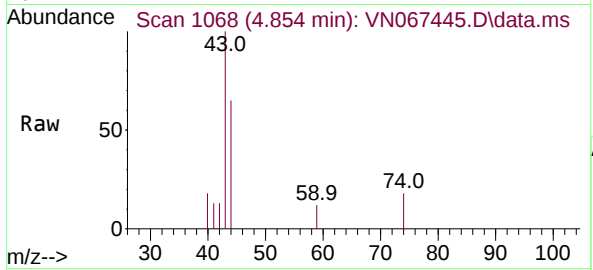




#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.002 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

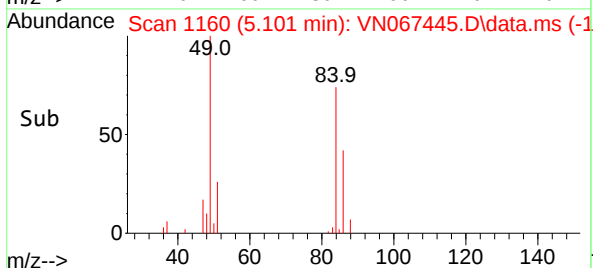
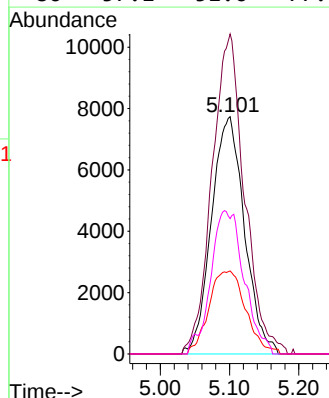
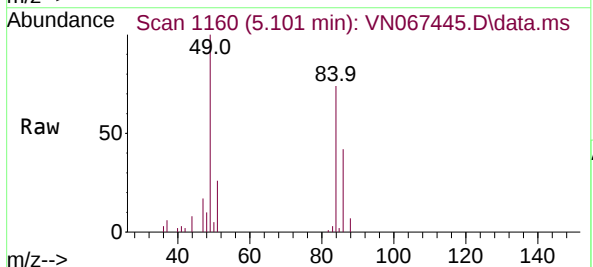
Instrument :
MSVOA_N
ClientSampleId :

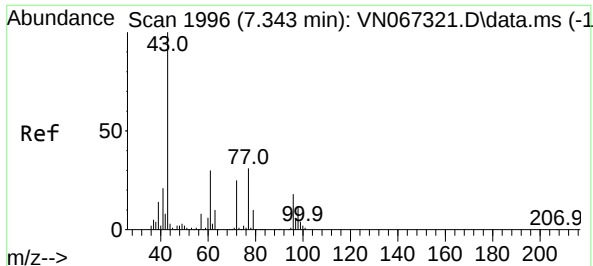
Tgt Ion: 43 Resp: 1858
Ion Ratio Lower Upper
43 100
74 16.4 17.4 26.0#



#20
Methylene Chloride
Concen: 5.717 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 84 Resp: 25640
Ion Ratio Lower Upper
84 100
49 134.9 110.9 166.3
51 35.0 32.6 49.0
86 57.1 51.6 77.4





#25

2-Butanone

Concen: 6.626 ug/l

RT: 7.351 min Scan# 1999

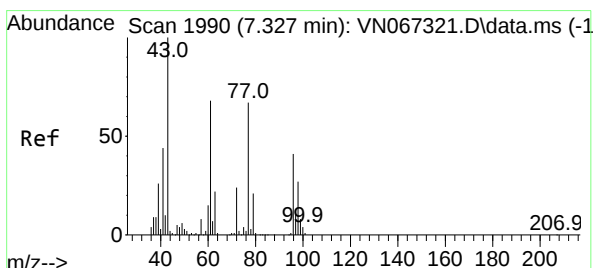
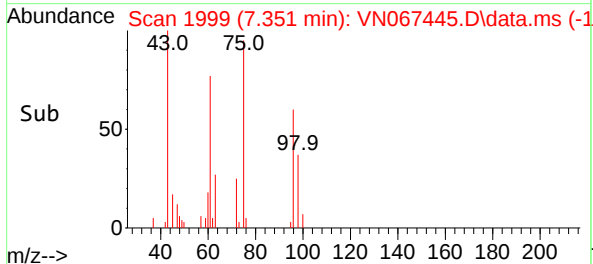
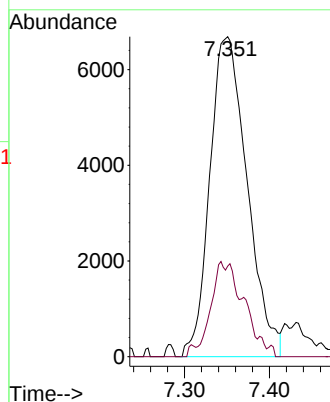
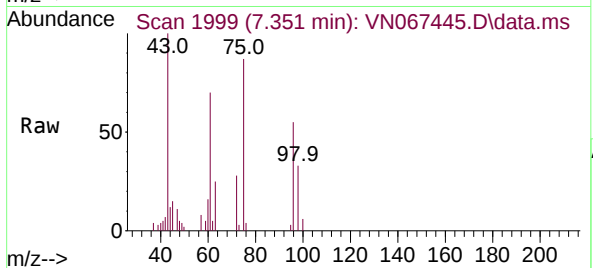
Delta R.T. 0.008 min

Lab File: VN067445.D

Acq: 22 Jun 2021 18:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 20407
Ion Ratio Lower Upper
43 100
72 28.3 19.7 29.5



#27

cis-1,2-Dichloroethene

Concen: 4.837 ug/l

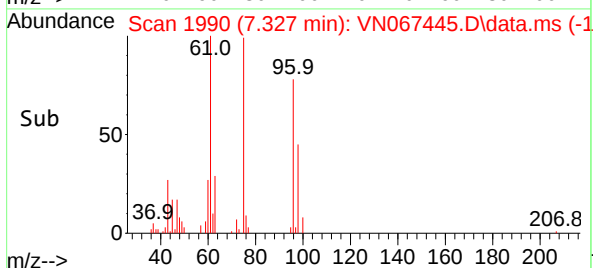
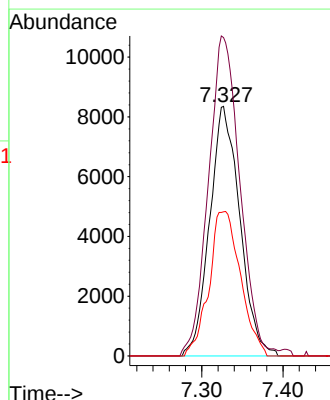
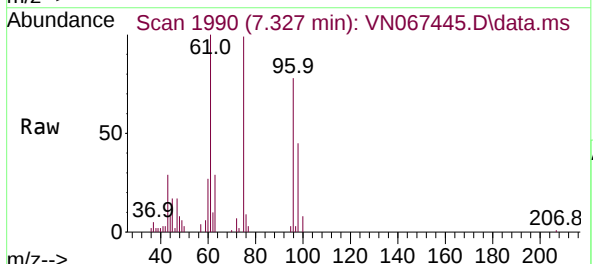
RT: 7.327 min Scan# 1990

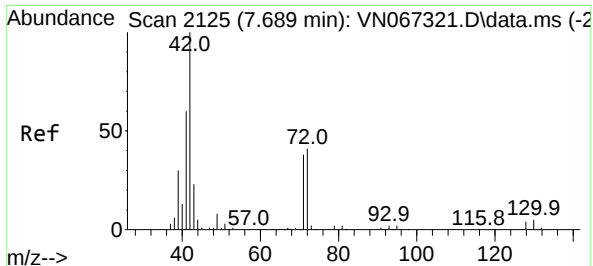
Delta R.T. -0.000 min

Lab File: VN067445.D

Acq: 22 Jun 2021 18:27

Tgt Ion: 96 Resp: 21536
Ion Ratio Lower Upper
96 100
61 133.8 0.0 338.8
98 60.2 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.513 ug/l

RT: 7.708 min Scan# 2132

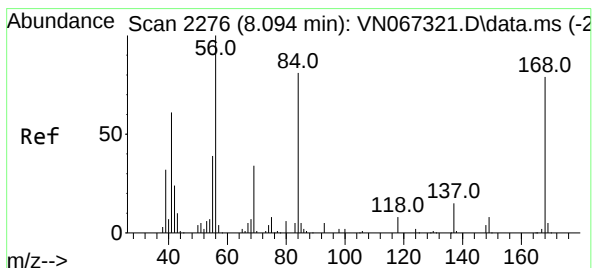
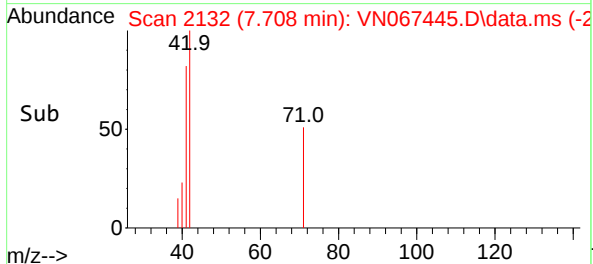
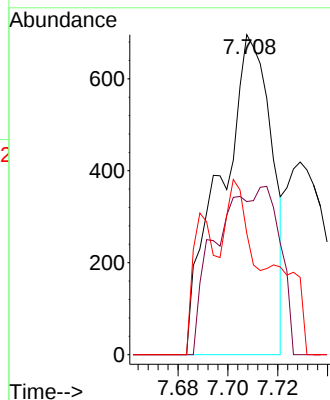
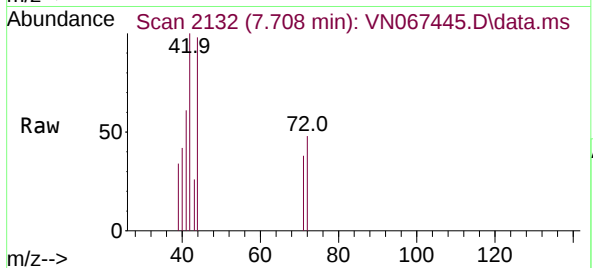
Delta R.T. 0.019 min

Lab File: VN067445.D

Acq: 22 Jun 2021 18:27

Tgt Ion: 42 Resp: 997

Ion	Ratio	Lower	Upper
42	100		
72	35.7	32.8	49.2
71	13.8	31.2	46.8



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 8.088 min Scan# 2274

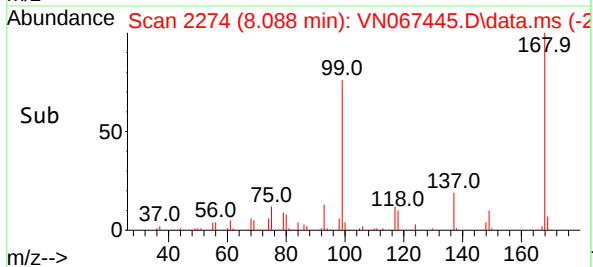
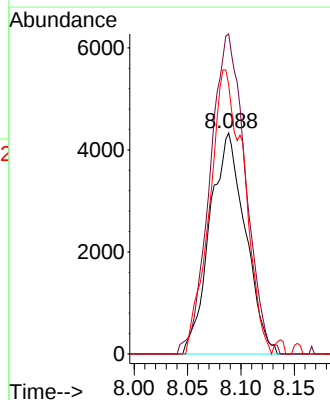
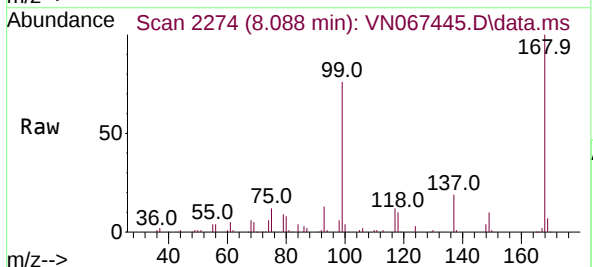
Delta R.T. -0.006 min

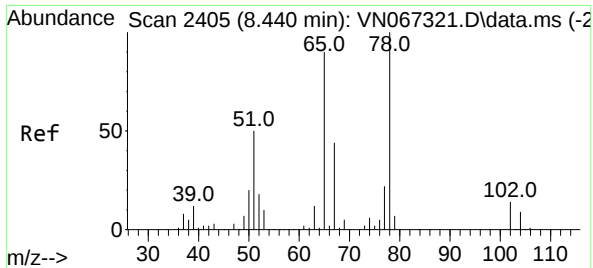
Lab File: VN067445.D

Acq: 22 Jun 2021 18:27

Tgt Ion: 56 Resp: 10008

Ion	Ratio	Lower	Upper
56	100		
69	144.8	27.3	40.9
84	121.9	64.9	97.3

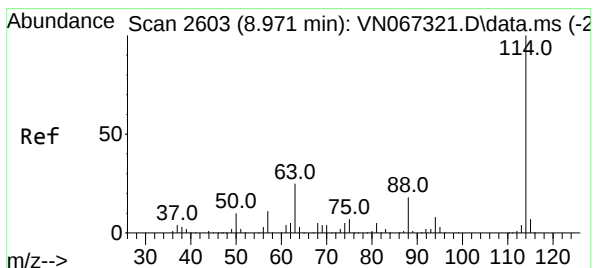
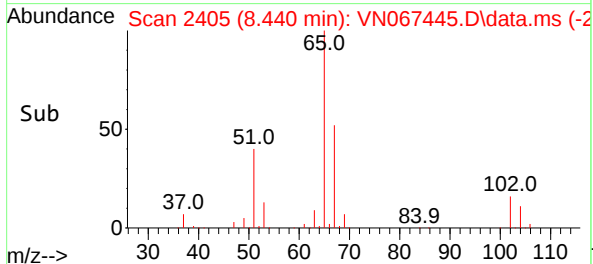
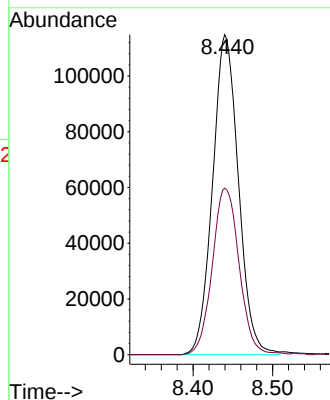
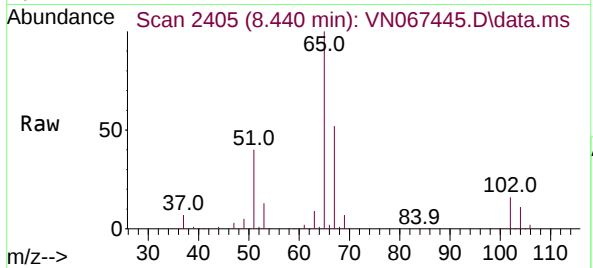




#33
 1,2-Dichloroethane-d4
 Concen: 46.210 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067445.D
 Acq: 22 Jun 2021 18:27

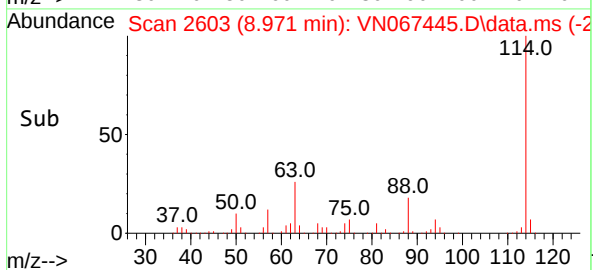
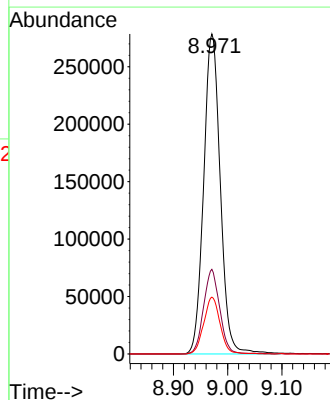
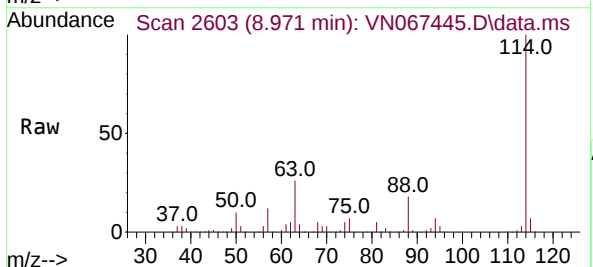
Instrument :
 MSVOA_N
 ClientSampleId :

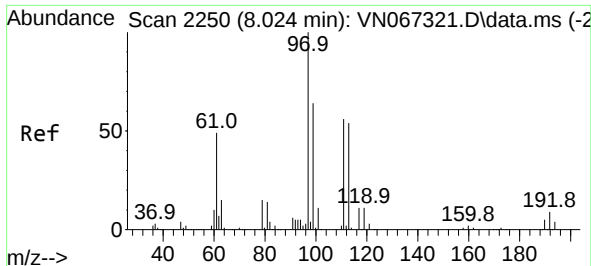
Tgt Ion: 65 Resp: 259538
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067445.D
 Acq: 22 Jun 2021 18:27

Tgt Ion: 114 Resp: 594827
 Ion Ratio Lower Upper
 114 100
 63 26.5 0.0 49.0
 88 17.7 0.0 36.6

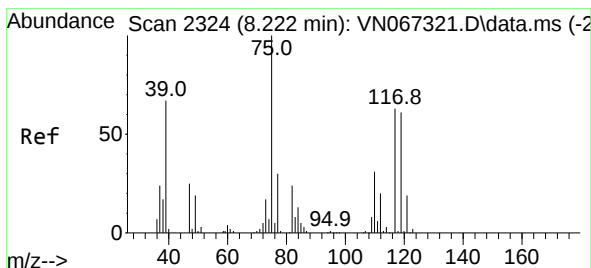
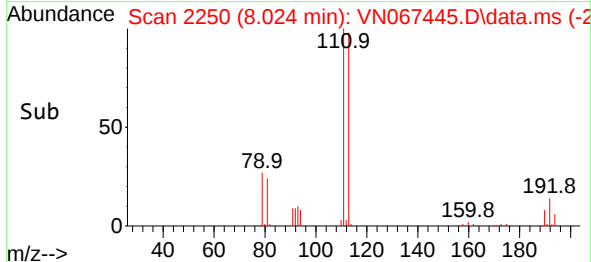
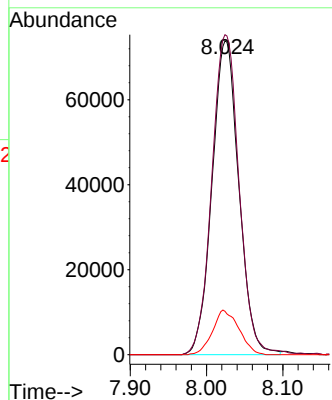
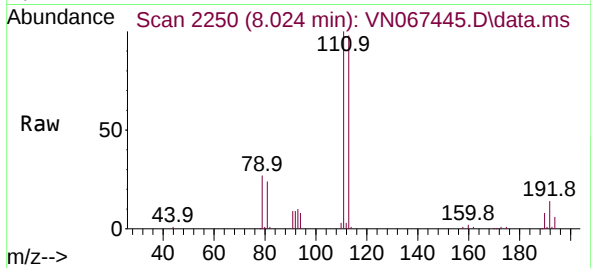




#35
Dibromofluoromethane
Concen: 45.531 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

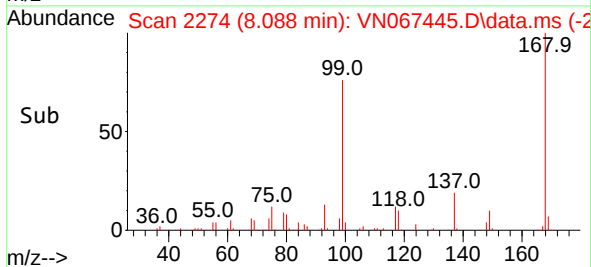
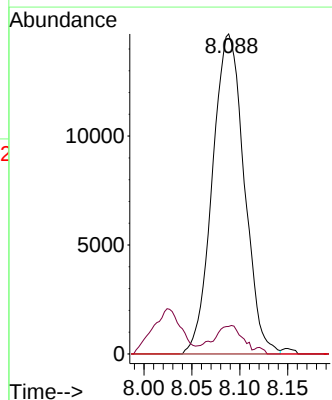
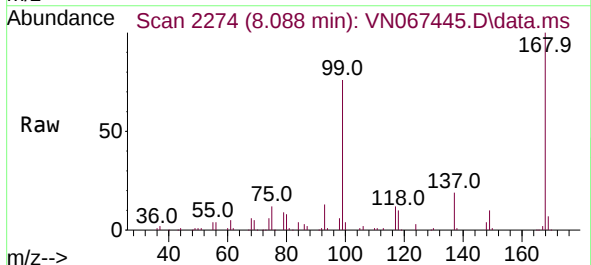
Instrument :
MSVOA_N
ClientSampleId :

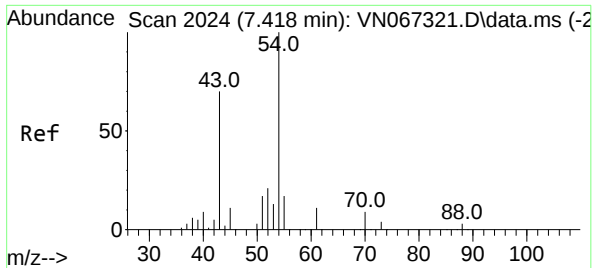
Tgt Ion:113 Resp: 180125
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 14.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 75 Resp: 33855
Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#

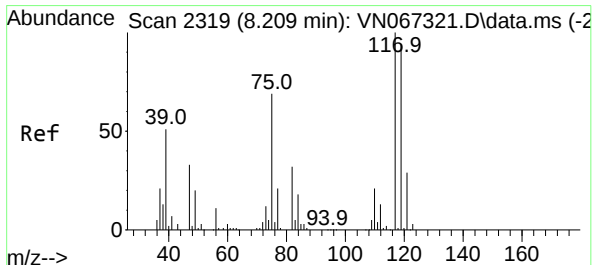
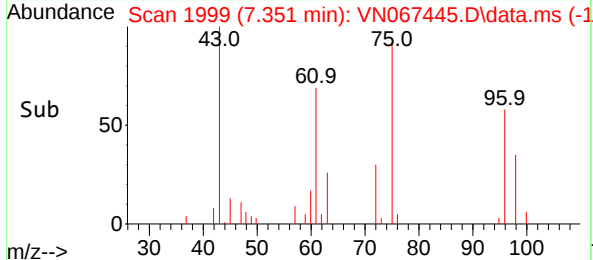
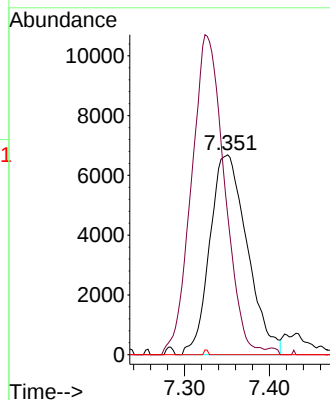
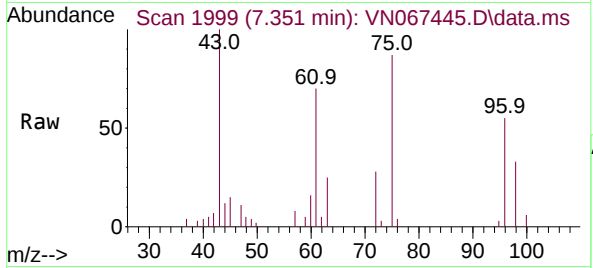




#37
Ethyl Acetate
Concen: 2.888 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

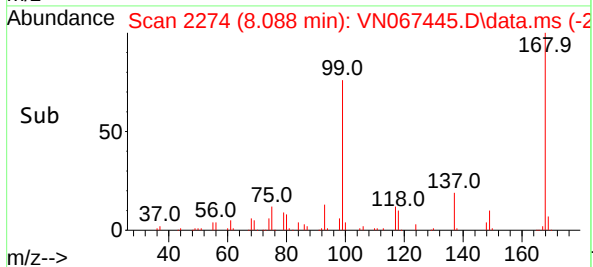
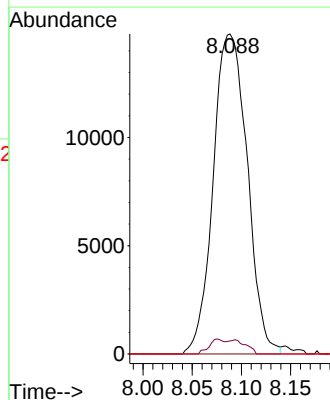
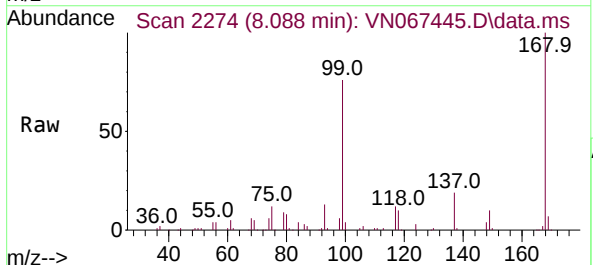
Instrument :
MSVOA_N
ClientSampled :

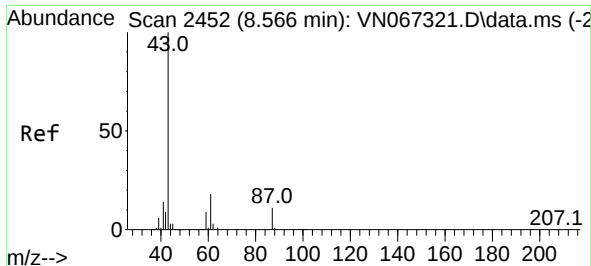
Tgt Ion: 43	Resp:	20407
Ion Ratio	Lower	Upper
43	100	
61	0.0	10.6
70	0.0	8.1



#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

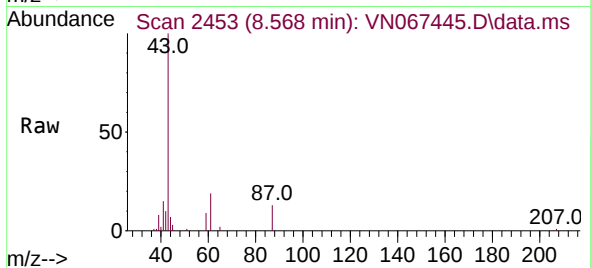
Tgt Ion: 117	Resp:	35632
Ion Ratio	Lower	Upper
117	100	
119	4.1	75.4
121	0.0	23.5



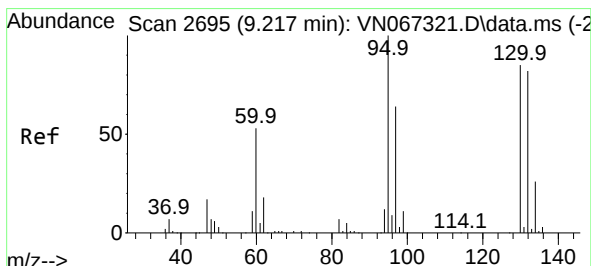
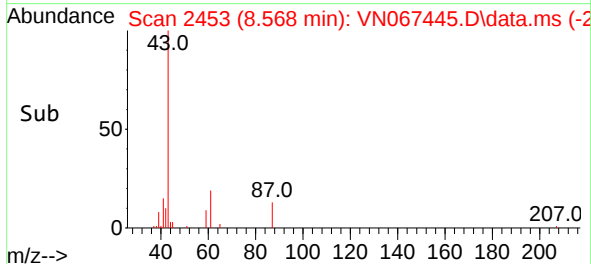
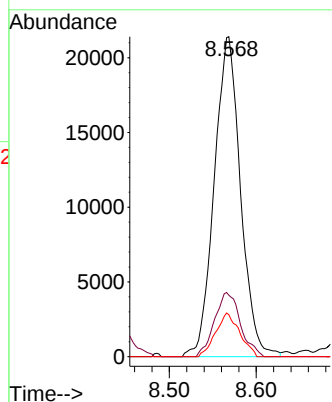


#43
Isopropyl Acetate
Concen: 3.547 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :

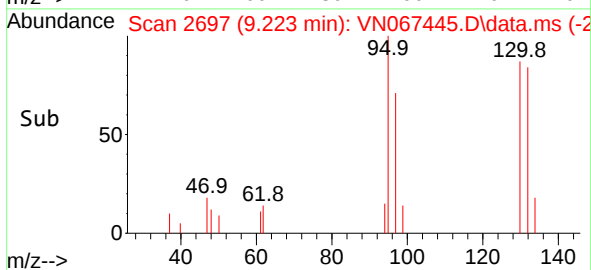
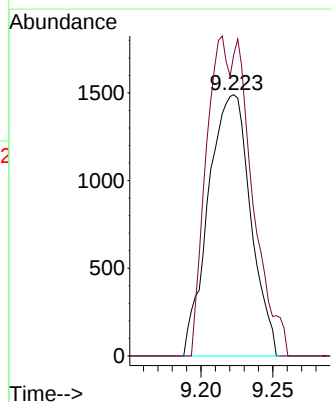
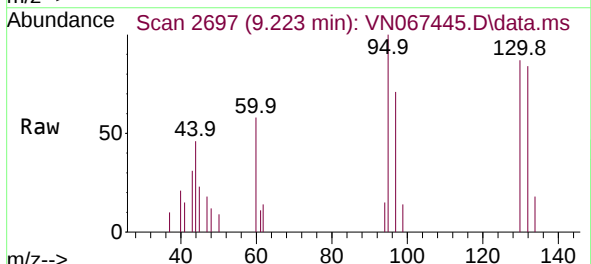


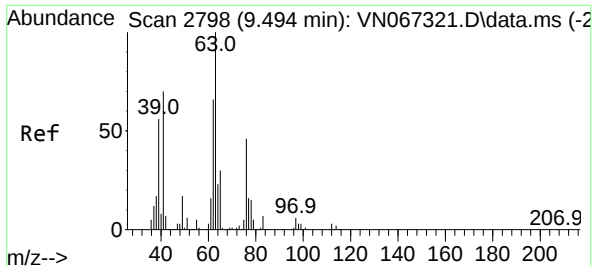
Tgt Ion: 43 Resp: 44985
Ion Ratio Lower Upper
43 100
61 19.7 19.0 28.4
87 12.4 9.5 14.3



#44
Trichloroethene
Concen: 0.698 ug/l
RT: 9.223 min Scan# 2697
Delta R.T. 0.006 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 130 Resp: 3040
Ion Ratio Lower Upper
130 100
95 115.4 0.0 234.4

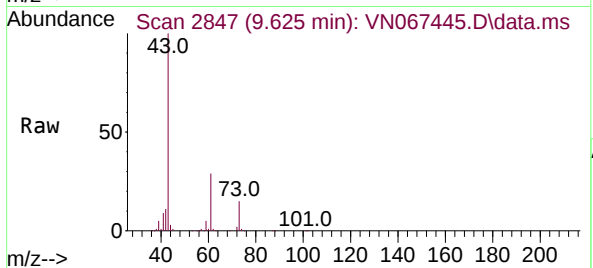




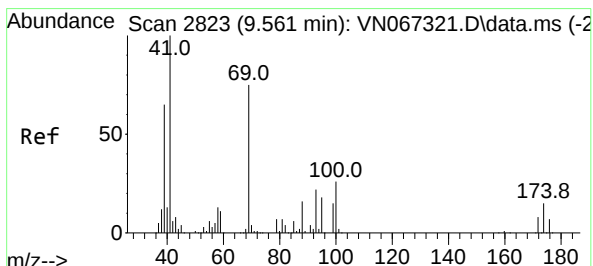
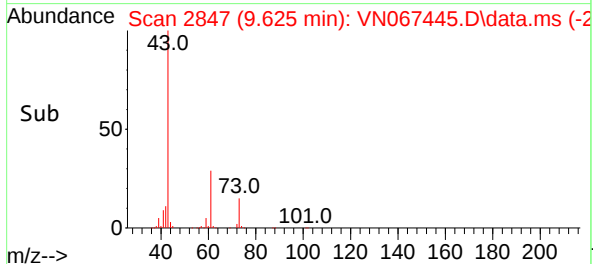
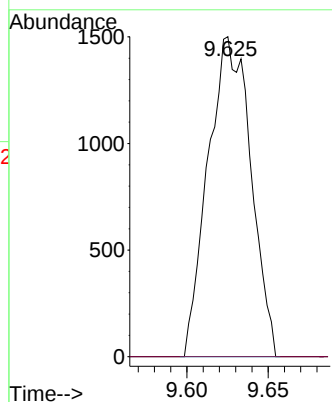
#45

1,2-Dichloropropane
Concen: 0.553 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Instrument :
MSVOA_N
ClientSampled :



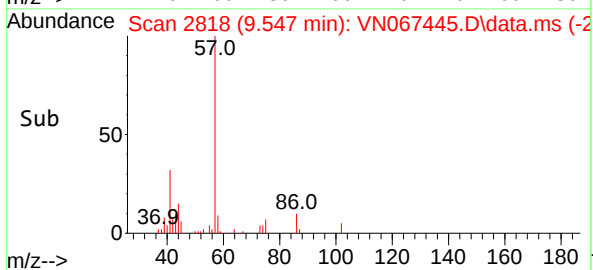
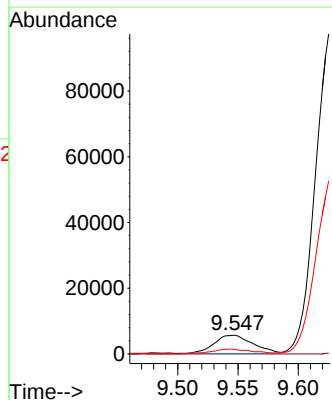
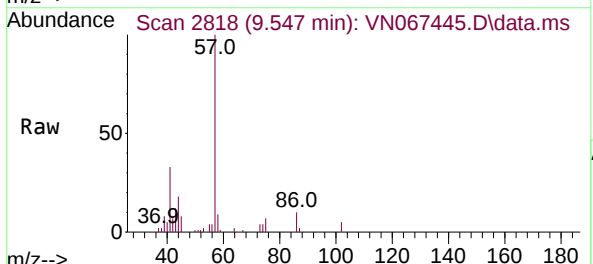
Tgt Ion: 63 Resp: 2746
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

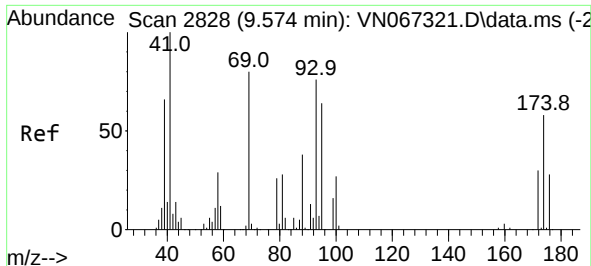


#48

Methyl methacrylate
Concen: 2.105 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 41 Resp: 12173
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 28.9 53.3 79.9#





#49

1,4-Dioxane

Concen: 0.733 ug/l

RT: 9.617 min Scan# 2844

Delta R.T. 0.043 min

Lab File: VN067445.D

Acq: 22 Jun 2021 18:27

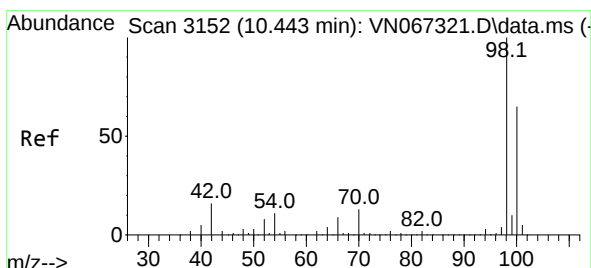
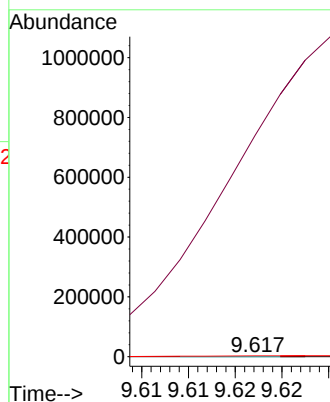
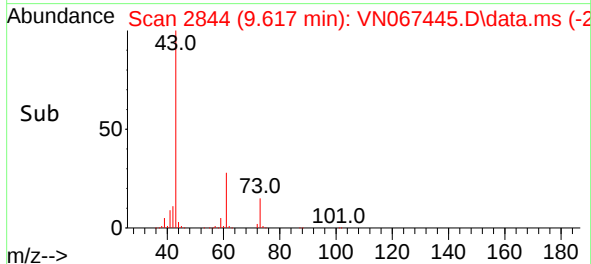
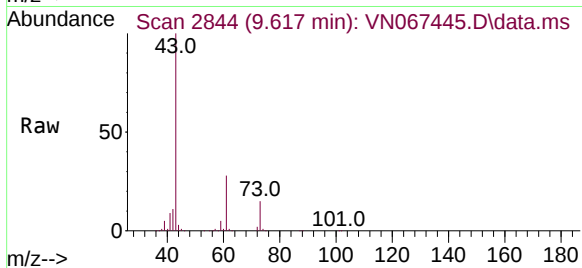
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 51.536 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067445.D

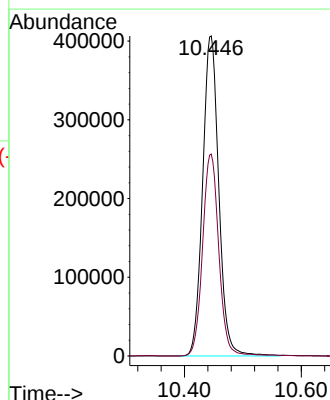
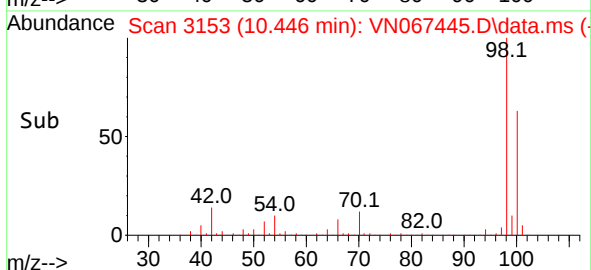
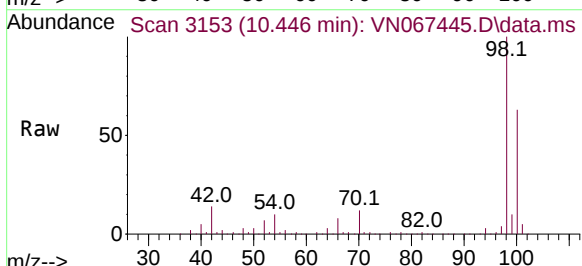
Acq: 22 Jun 2021 18:27

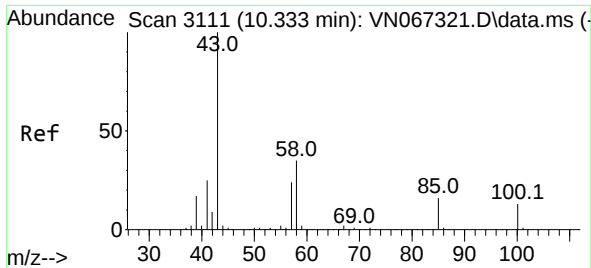
Tgt Ion: 98 Resp: 781436

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5

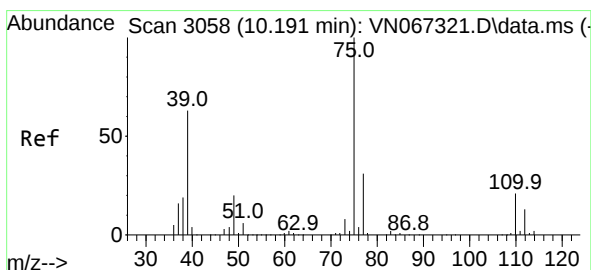
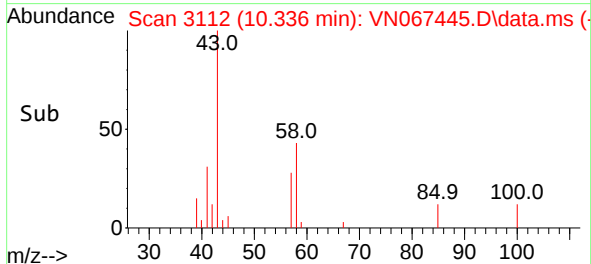
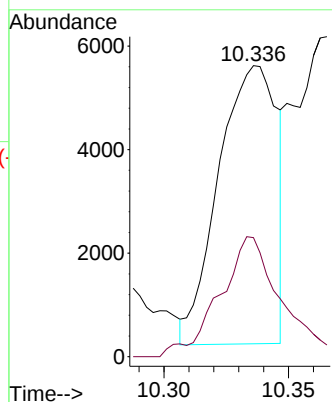
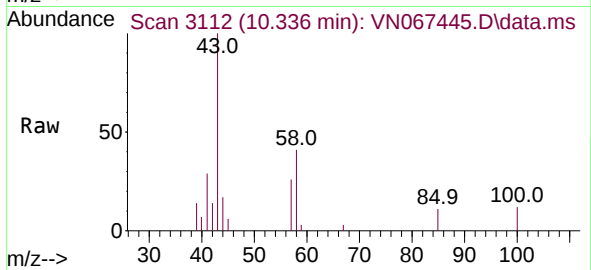




#51
4-Methyl-2-Pentanone
Concen: 1.197 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

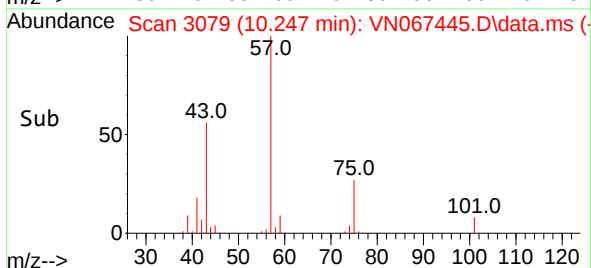
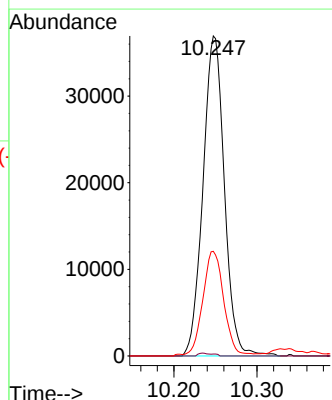
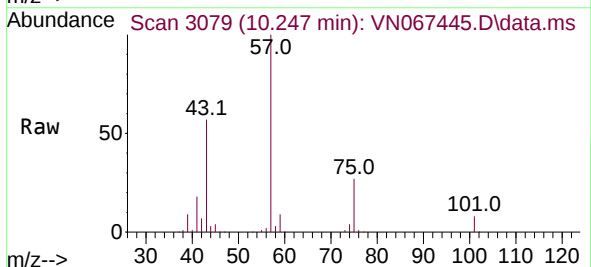
Instrument :
MSVOA_N
ClientSampled :

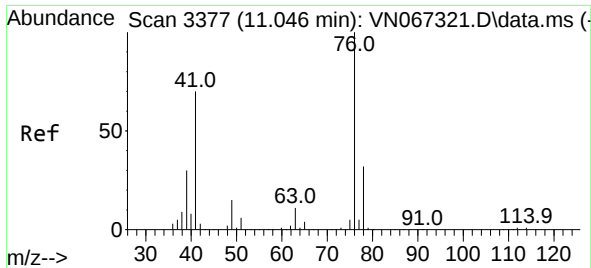
Tgt Ion: 43 Resp: 8738
Ion Ratio Lower Upper
43 100
58 44.7 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 7.783 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 75 Resp: 65993
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 32.2 50.7 76.1#

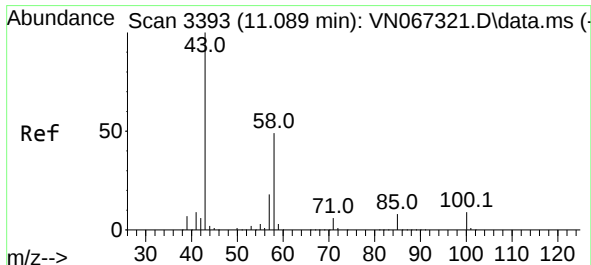
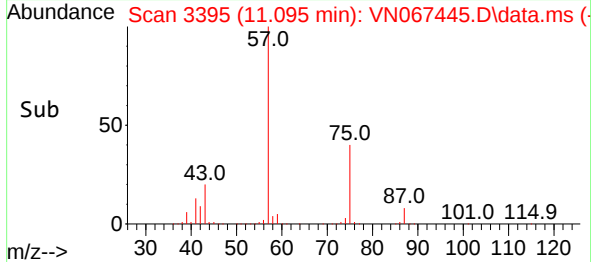
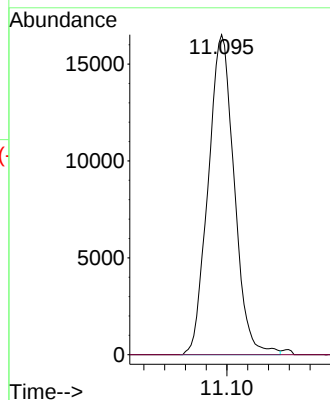
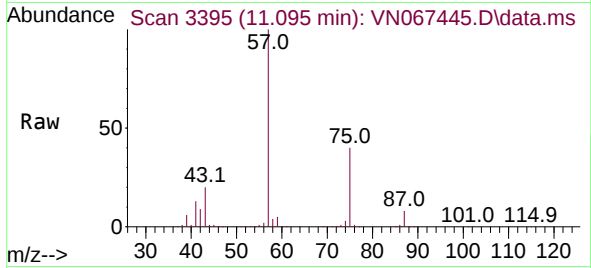




#57
1,3-Dichloropropane
Concen: 3.481 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

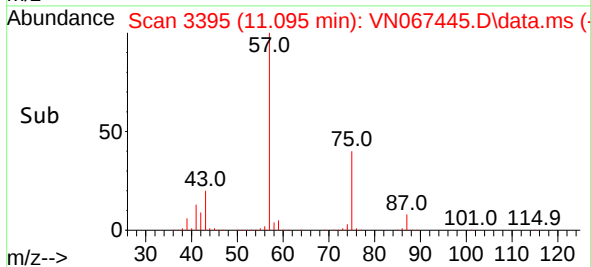
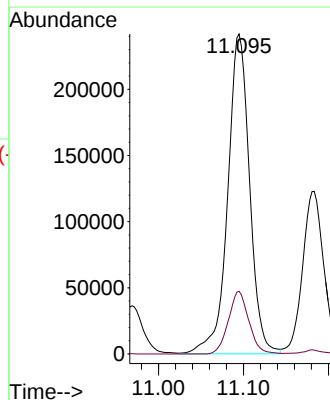
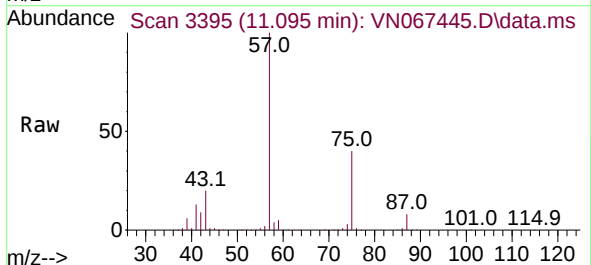
Instrument :
MSVOA_N
ClientSampled :

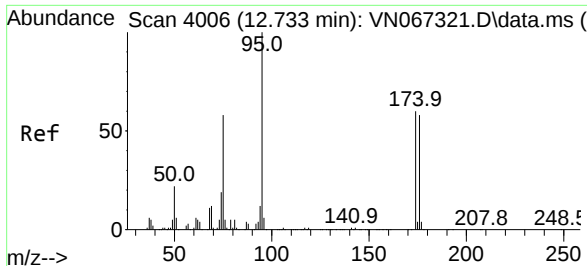
Tgt Ion: 76 Resp: 28774
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 81.023 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 43 Resp: 433376
Ion Ratio Lower Upper
43 100
58 18.3 24.7 74.1#

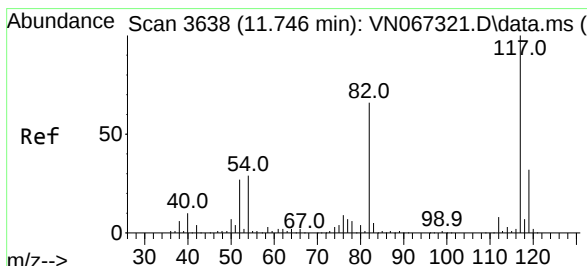
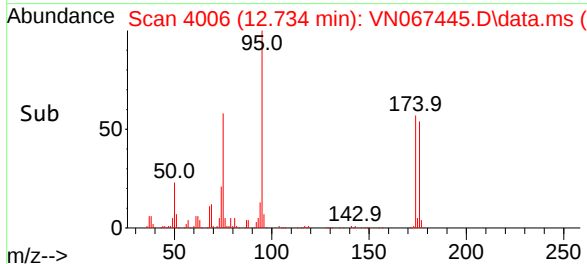
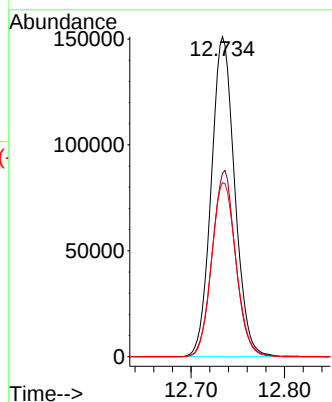
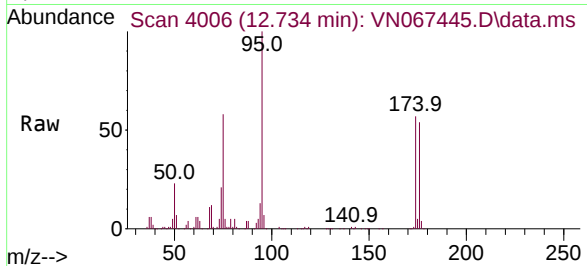




#62
4-Bromofluorobenzene
Concen: 42.198 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

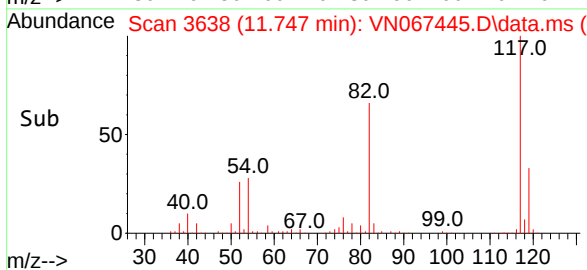
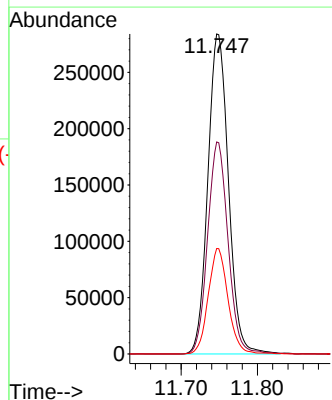
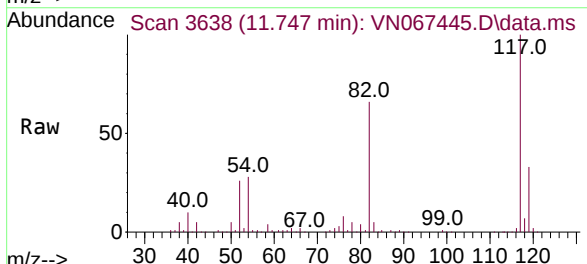
Instrument :
MSVOA_N
ClientSampled :

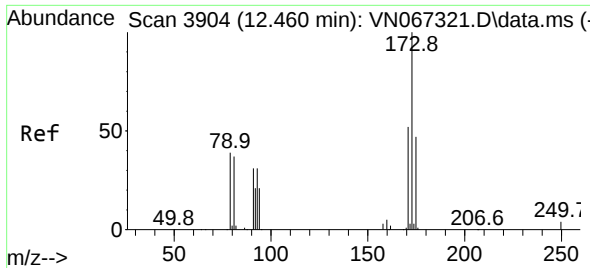
Tgt Ion: 95 Resp: 264056
Ion Ratio Lower Upper
95 100
174 58.2 0.0 122.0
176 56.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion: 117 Resp: 532635
Ion Ratio Lower Upper
117 100
82 66.3 53.1 79.7
119 33.0 25.5 38.3

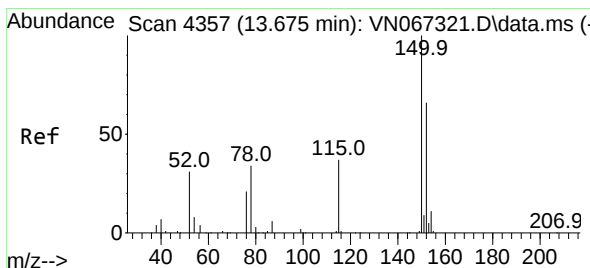
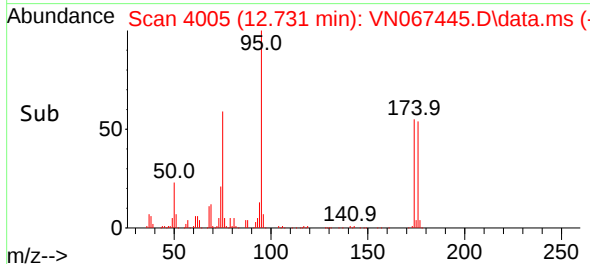
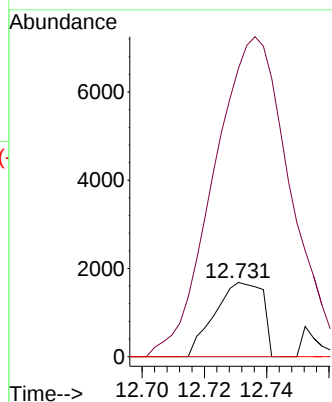
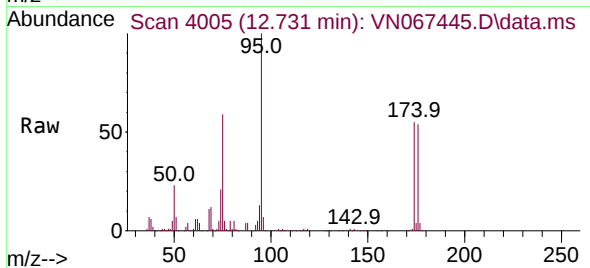




#71
Bromoform
Concen: 0.547 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

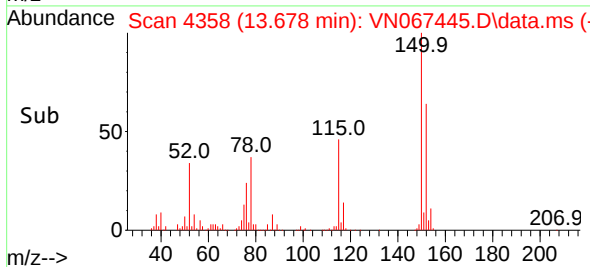
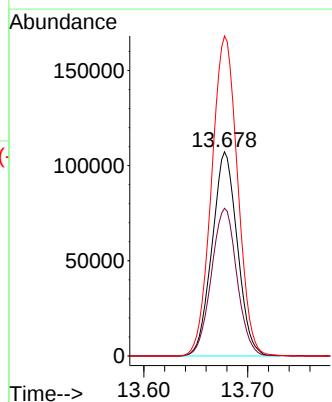
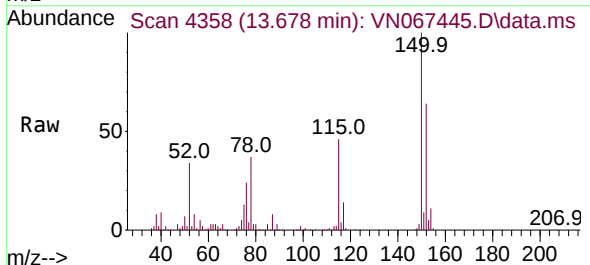
Instrument :
MSVOA_N
ClientSampled :

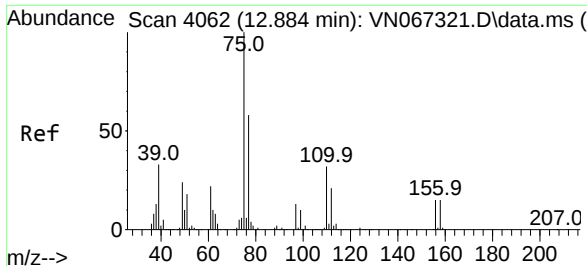
Tgt Ion:173 Resp: 1805
Ion Ratio Lower Upper
173 100
175 624.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Tgt Ion:152 Resp: 181551
Ion Ratio Lower Upper
152 100
115 73.2 36.1 108.5
150 161.3 0.0 351.8

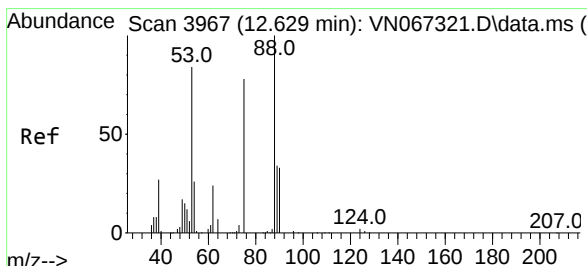
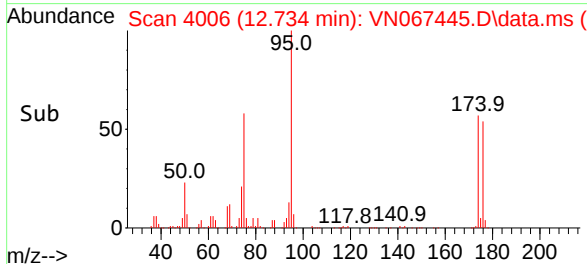
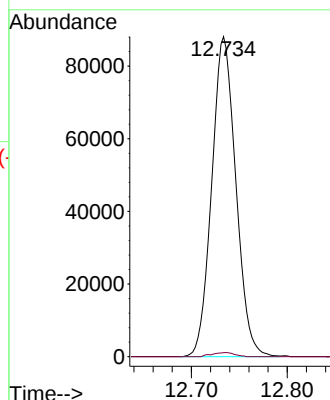
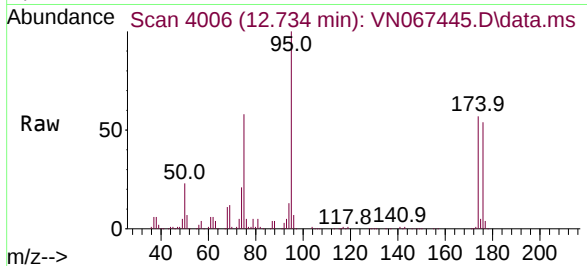




#76
1,2,3-Trichloropropane
Concen: 32.632 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

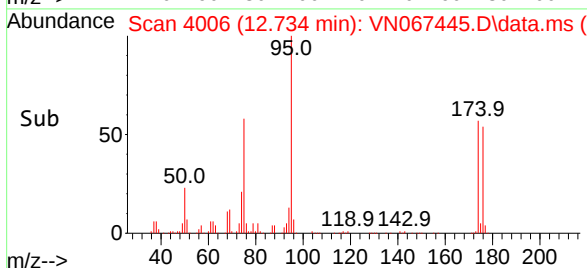
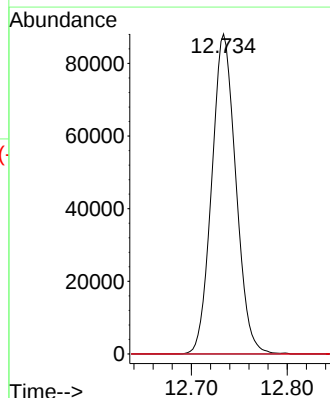
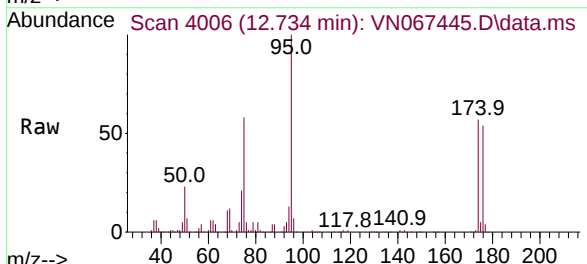
Instrument :
MSVOA_N
ClientSampleId :

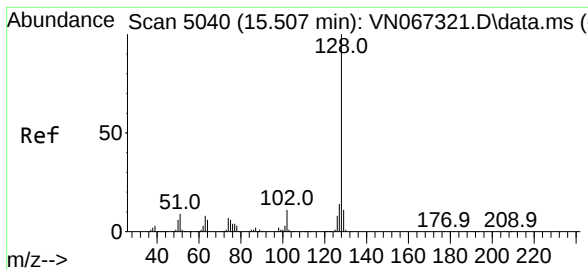
Tgt Ion: 75 Resp: 153845
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.872 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

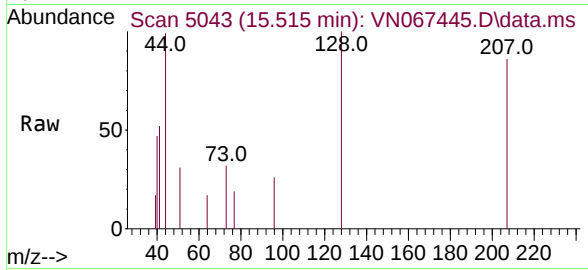
Tgt Ion: 75 Resp: 153845
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.761 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067445.D
Acq: 22 Jun 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1789
Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.6	15.8#
129	0.0	8.6	12.8#

