

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067849.D
 Acq On : 21 Jul 2021 19:30
 Operator : JC/MD
 Sample : M3089-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:15:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

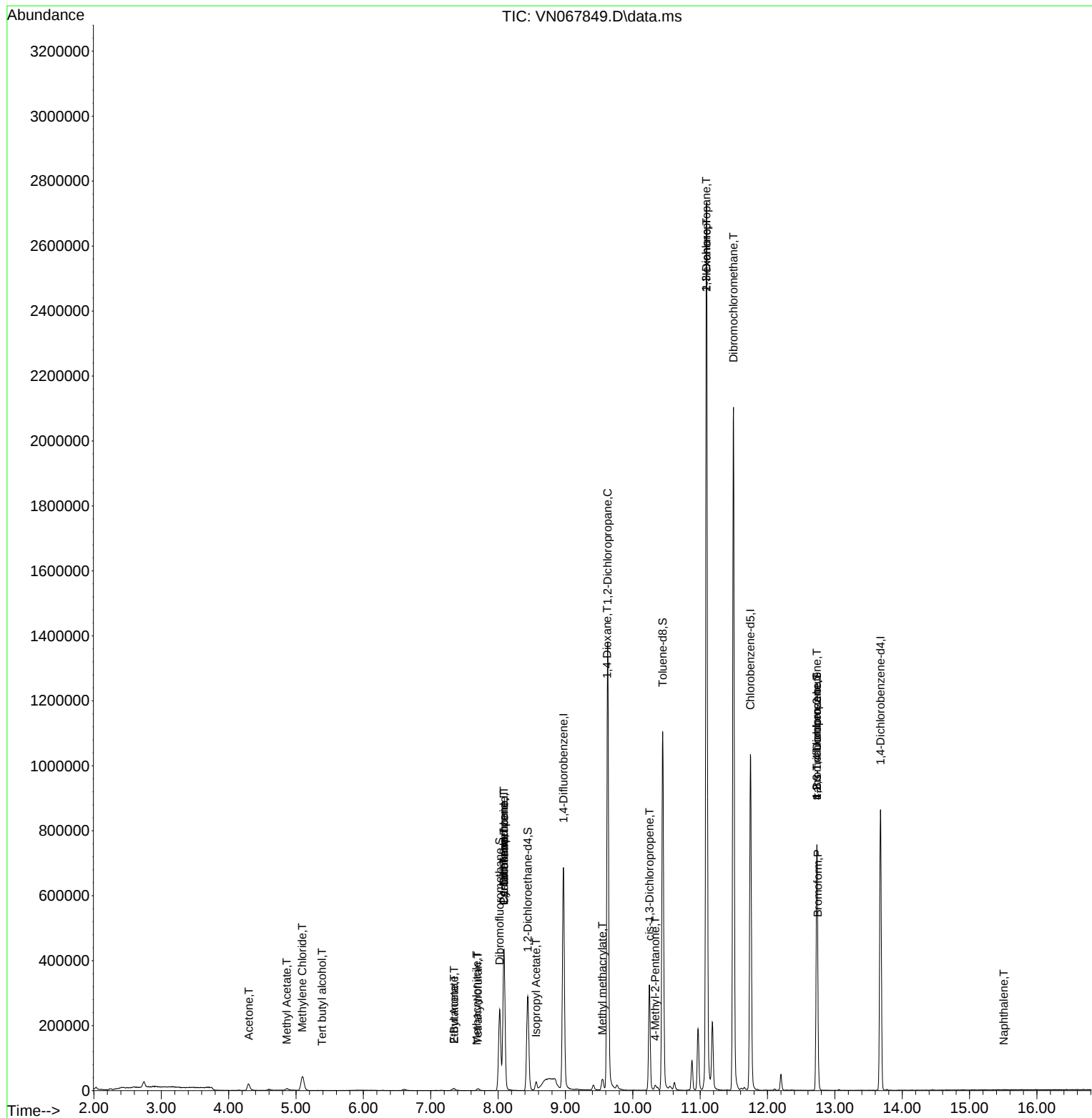
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	308066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	596739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	610953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	225673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246750	52.998	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 106.000%		
35) Dibromofluoromethane	8.024	113	182734	50.684	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.360%		
50) Toluene-d8	10.443	98	766516	50.793	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.580%		
62) 4-Bromofluorobenzene	12.734	95	265273	49.760	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 99.520%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.821	94	57	Below Cal	#	4
6) Chloroethane	3.167	64	26	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	168	0.251	ug/l #	71
16) Acetone	4.299	43	38382	26.199	ug/l	98
18) Methyl Acetate	4.865	43	11183	2.718	ug/l #	66
20) Methylene Chloride	5.093	84	35455	9.808	ug/l	86
25) 2-Butanone	7.348	43	8228	3.382	ug/l #	82
29) Tetrahydrofuran	7.702	42	4340	2.713	ug/l #	76
31) Cyclohexane	8.088	56	8401	1.287	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	28090	5.068	ug/l #	52
37) Ethyl Acetate	7.348	43	8228	1.532	ug/l #	69
38) Carbon Tetrachloride	8.086	117	35152	6.429	ug/l #	17
41) Methacrylonitrile	7.683	41	747	0.271	ug/l #	40
43) Isopropyl Acetate	8.566	43	28746	3.043	ug/l #	92
45) 1,2-Dichloropropane	9.625	63	1633	0.389	ug/l #	44
48) Methyl methacrylate	9.547	41	9222	2.207	ug/l #	12
49) 1,4-Dioxane	9.620	88	84	33.111	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	9340	1.609	ug/l	92
54) cis-1,3-Dichloropropene	10.247	75	56753	8.757	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	29737	4.163	ug/l #	43
59) 2-Hexanone	11.095	43	435538	107.504	ug/l #	53
60) Dibromochloromethane	11.494	129	315	2.416	ug/l #	11
71) Bromoform	12.747	173	378	3.266	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	145432	31.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	145432	101.741	ug/l #	6
95) Naphthalene	15.507	128	356	3.043	ug/l #	69

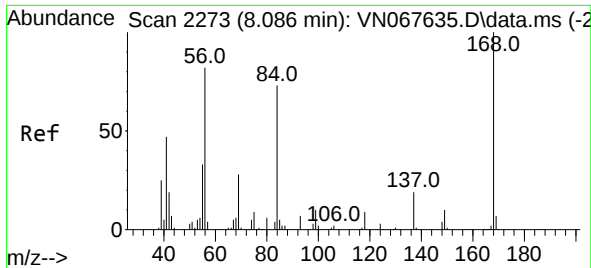
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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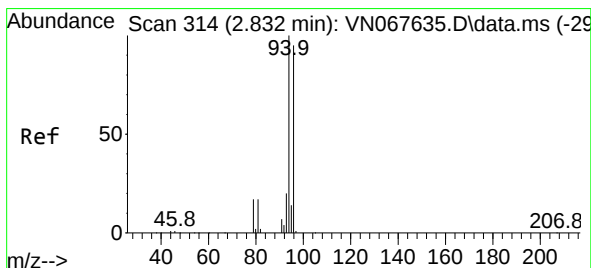
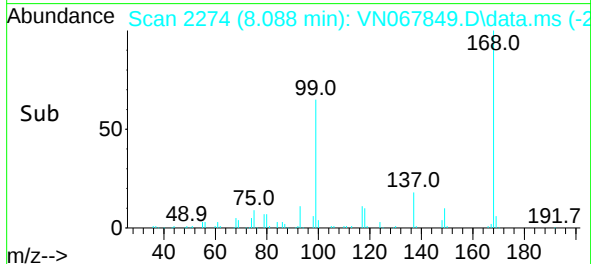
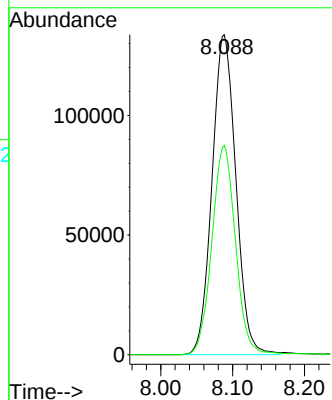
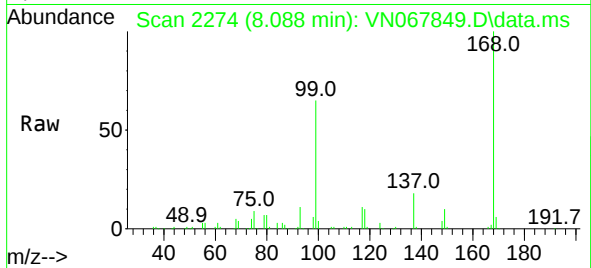




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

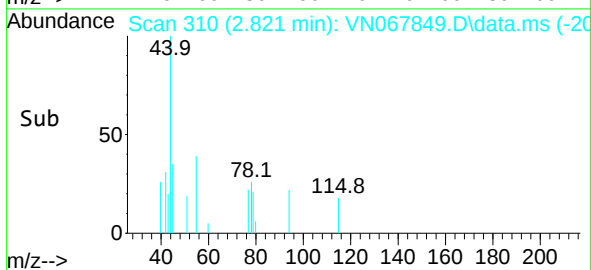
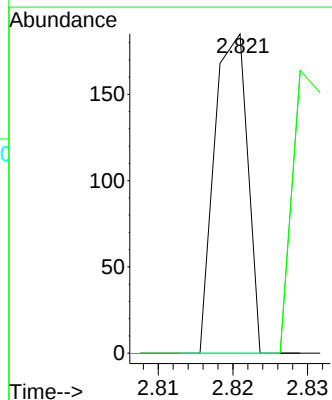
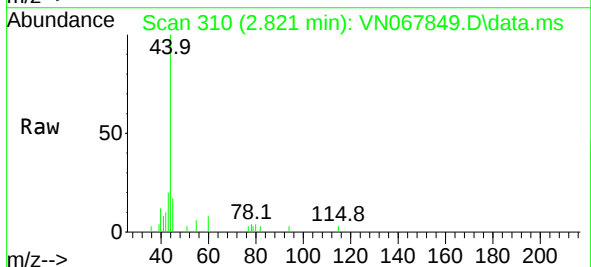
Instrument :
MSVOA_N
ClientSampleId :

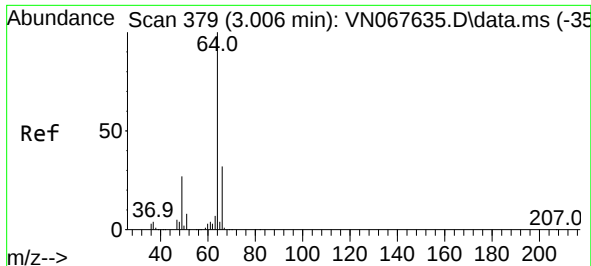
Tgt Ion:168 Resp: 308066
Ion Ratio Lower Upper
168 100
99 65.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

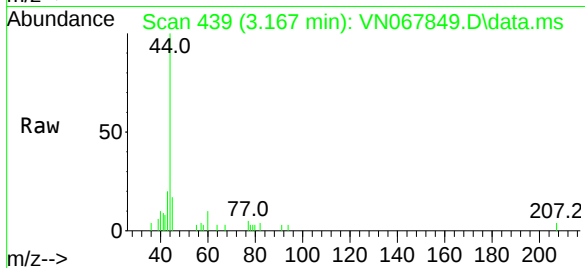
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



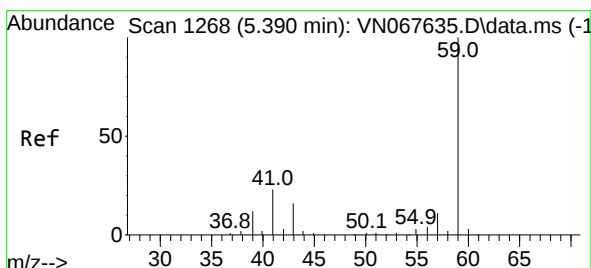
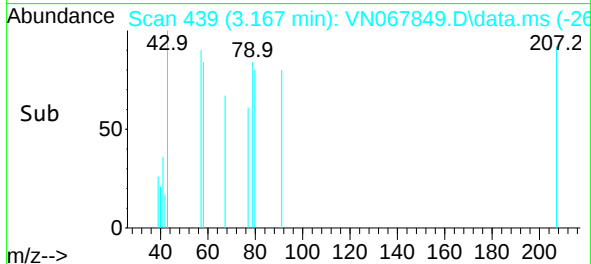
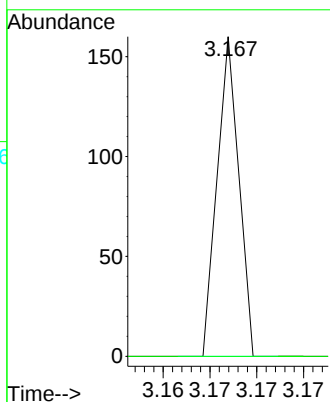


#6
Chloroethane
Concen: Below Cal
RT: 3.167 min Scan# 439
Delta R.T. 0.161 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Instrument :
MSVOA_N
ClientSampled :

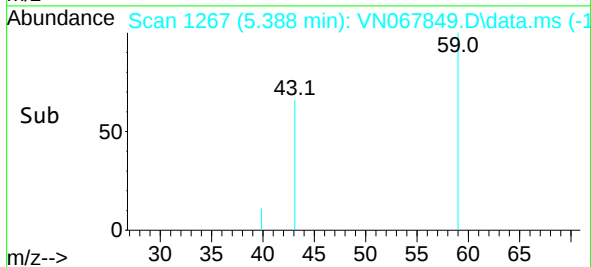
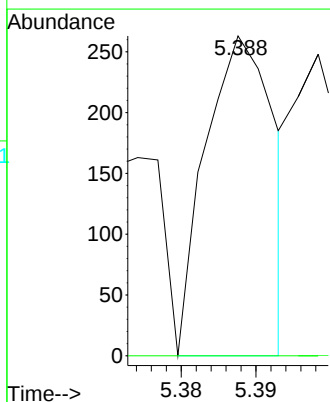
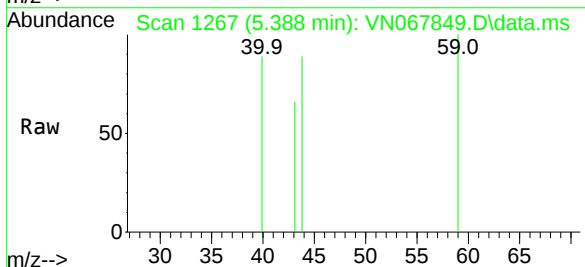


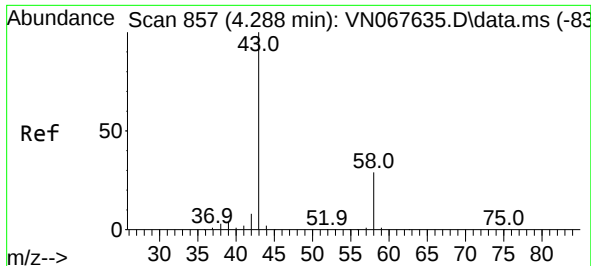
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.251 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

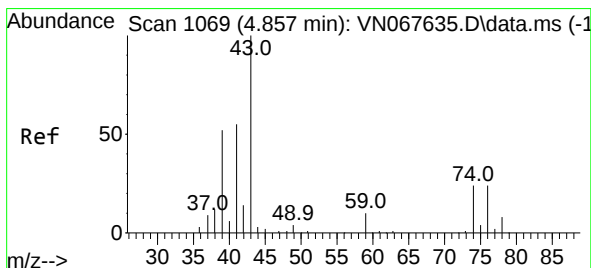
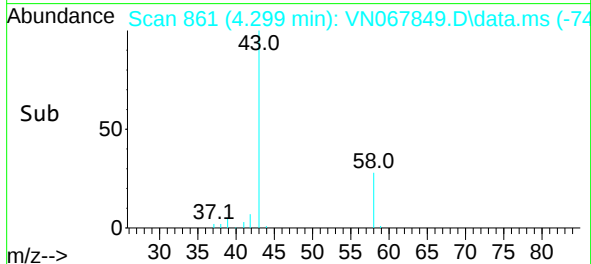
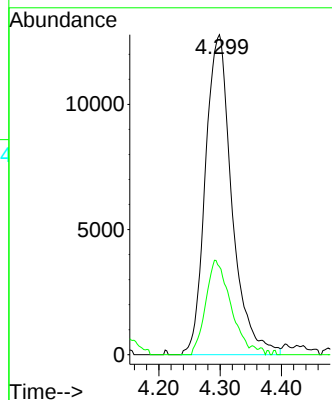
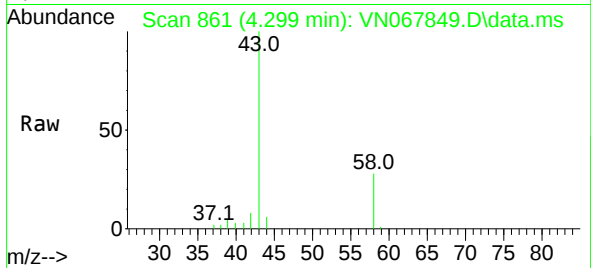




#16
Acetone
Concen: 26.199 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

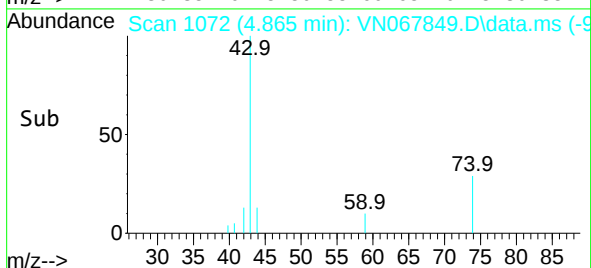
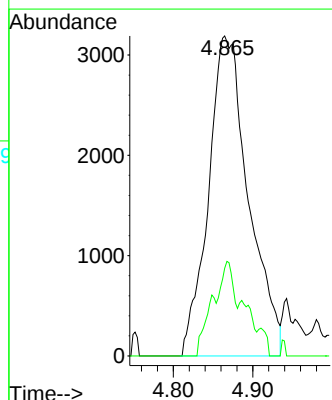
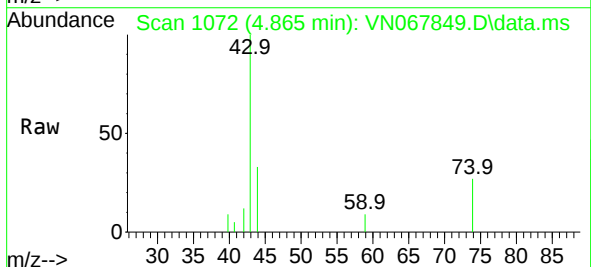
Instrument :
MSVOA_N
ClientSampled :

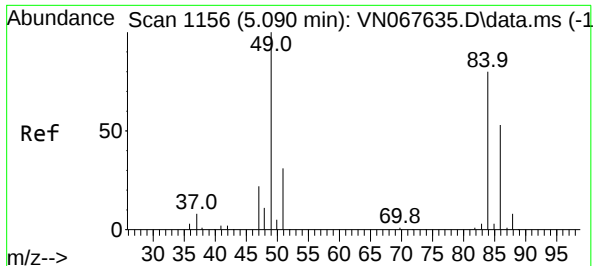
Tgt Ion: 43 Resp: 38382
Ion Ratio Lower Upper
43 100
58 27.5 21.2 31.8



#18
Methyl Acetate
Concen: 2.718 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

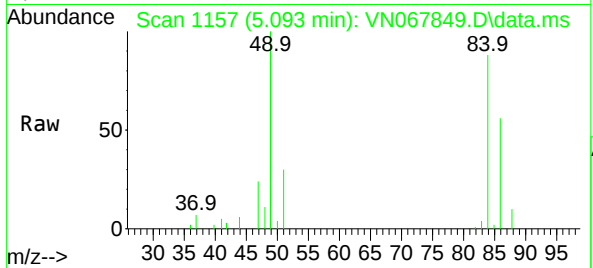
Tgt Ion: 43 Resp: 11183
Ion Ratio Lower Upper
43 100
74 5.4 17.4 26.0#



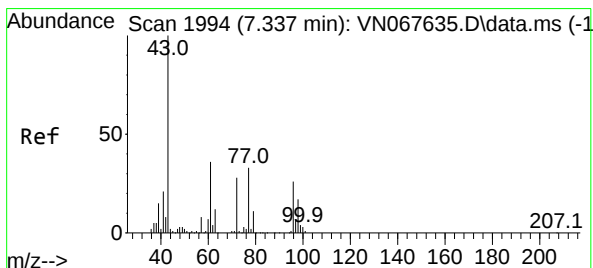
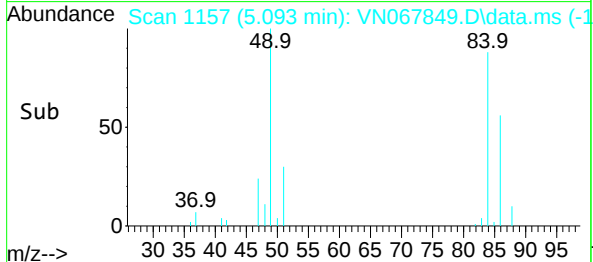
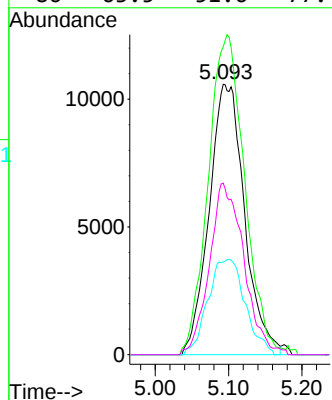


#20
Methylene Chloride
Concen: 9.808 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Instrument :
MSVOA_N
ClientSampled :

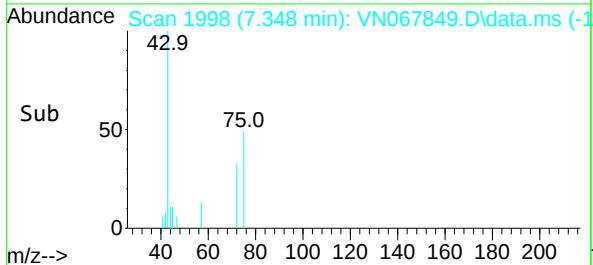
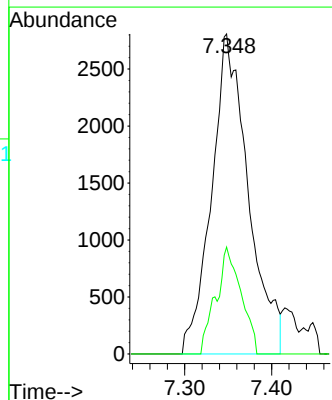
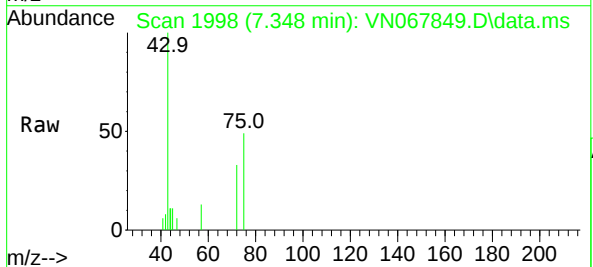


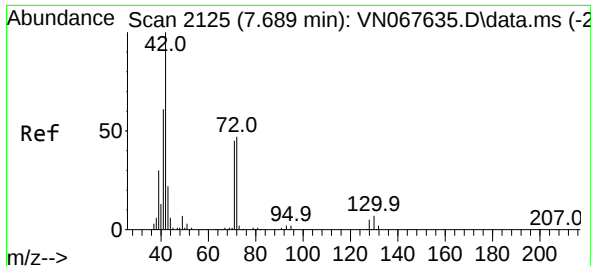
Tgt Ion:	84	Resp:	35455
Ion	Ratio	Lower	Upper
84	100		
49	113.9	110.9	166.3
51	34.3	32.6	49.0
86	63.5	51.6	77.4



#25
2-Butanone
Concen: 3.382 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion:	43	Resp:	8228
Ion	Ratio	Lower	Upper
43	100		
72	33.4	19.7	29.5#





#29

Tetrahydrofuran

Concen: 2.713 ug/l

RT: 7.702 min Scan# 2130

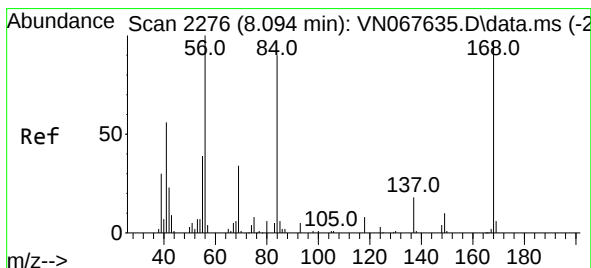
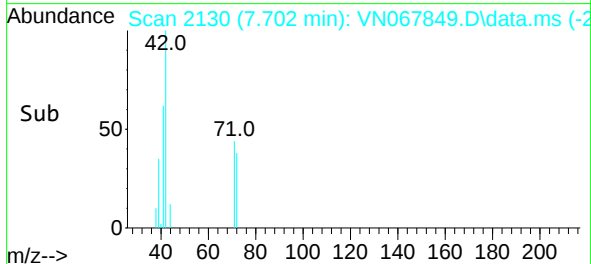
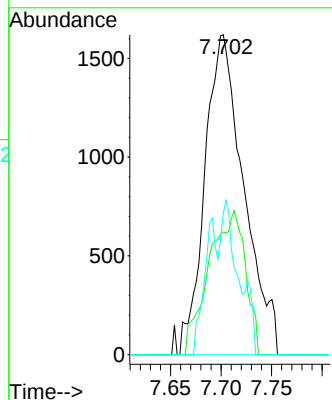
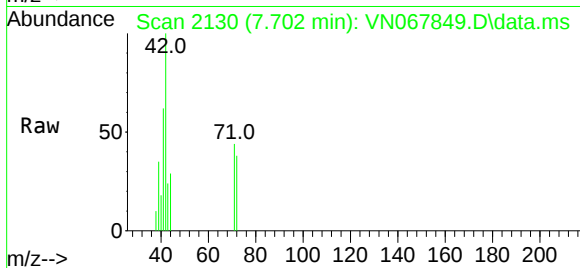
Delta R.T. 0.013 min

Lab File: VN067849.D

Acq: 21 Jul 2021 19:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	4340
Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.8	49.2
71	10.2	31.2	46.8#



#31

Cyclohexane

Concen: 1.287 ug/l

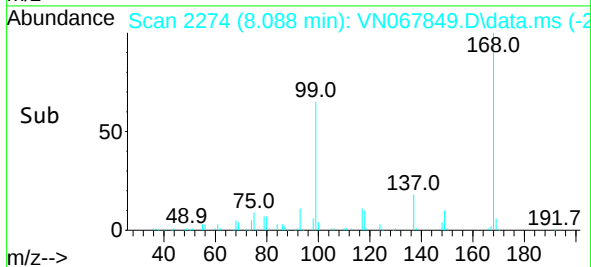
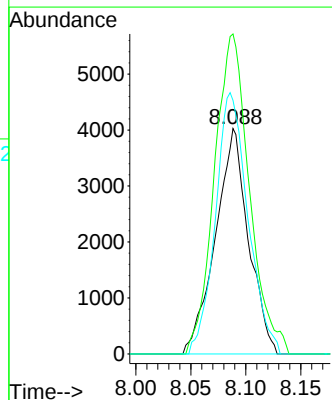
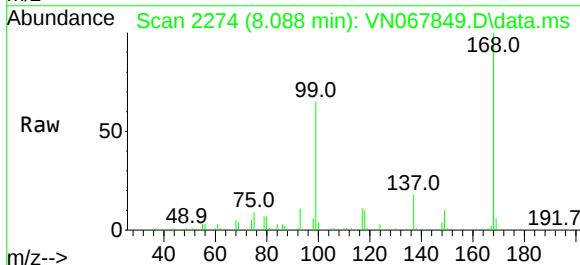
RT: 8.088 min Scan# 2274

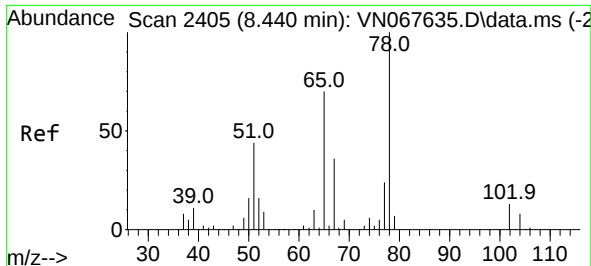
Delta R.T. -0.006 min

Lab File: VN067849.D

Acq: 21 Jul 2021 19:30

Tgt Ion:	56	Resp:	8401
Ion	Ratio	Lower	Upper
56	100		
69	142.0	27.3	40.9#
84	112.5	64.9	97.3#

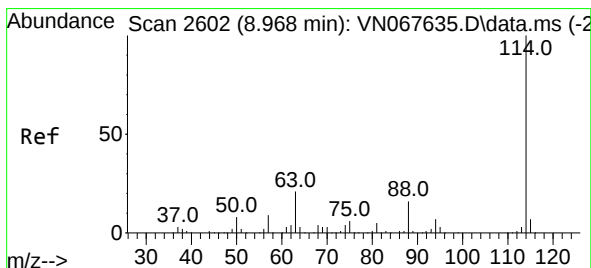
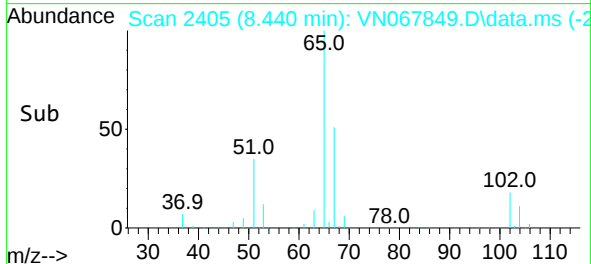
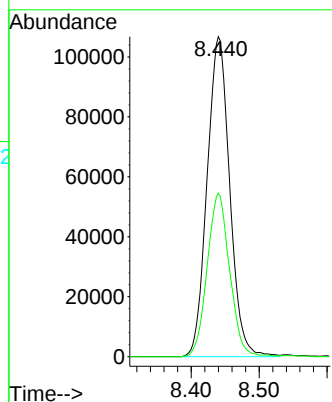
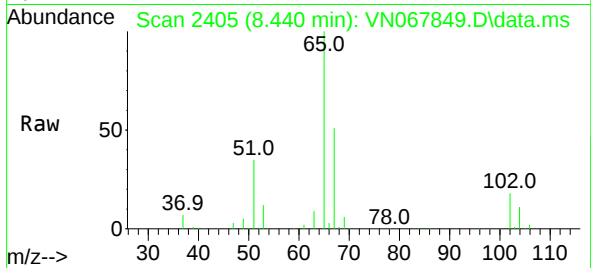




#33
 1,2-Dichloroethane-d4
 Concen: 52.998 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067849.D
 Acq: 21 Jul 2021 19:30

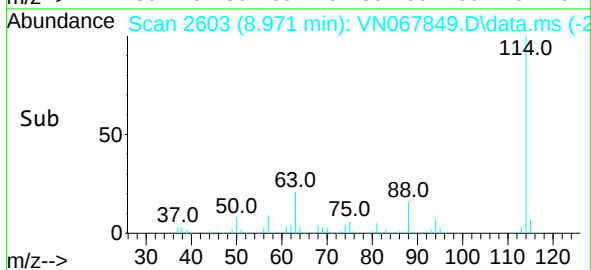
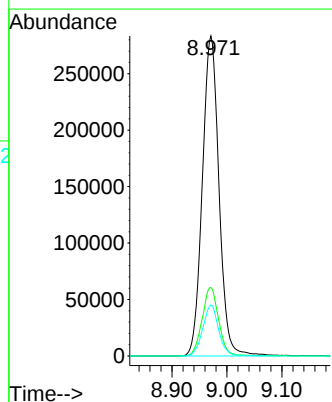
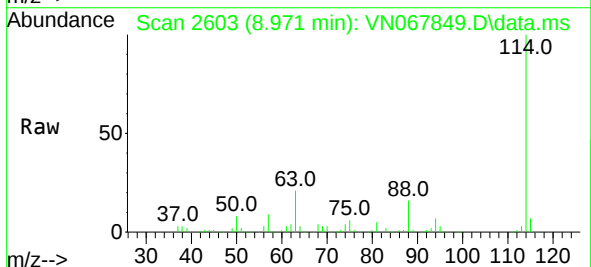
Instrument :
 MSVOA_N
 ClientSampled :

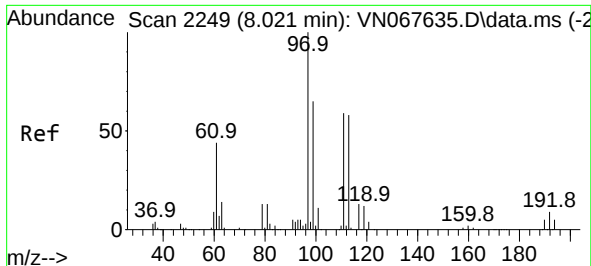
Tgt Ion: 65 Resp: 246750
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067849.D
 Acq: 21 Jul 2021 19:30

Tgt Ion: 114 Resp: 596739
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 49.0
 88 15.9 0.0 36.6

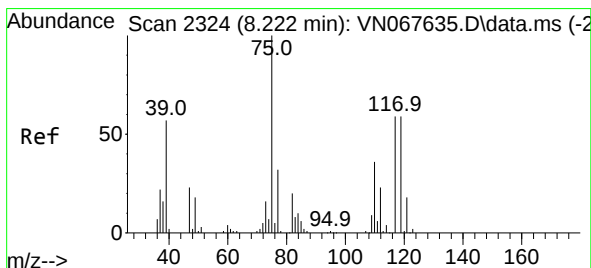
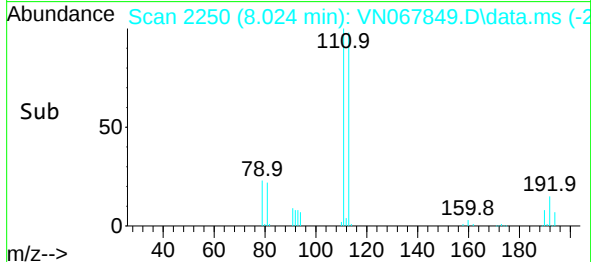
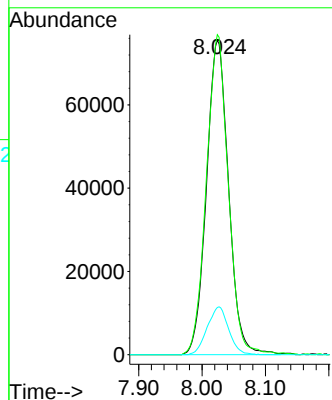
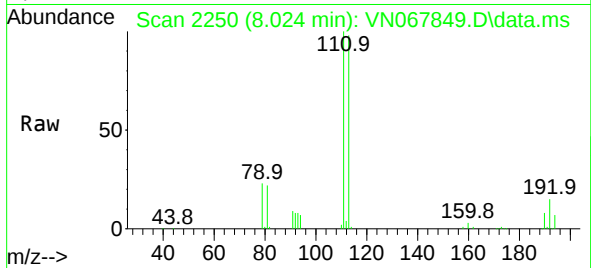




#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

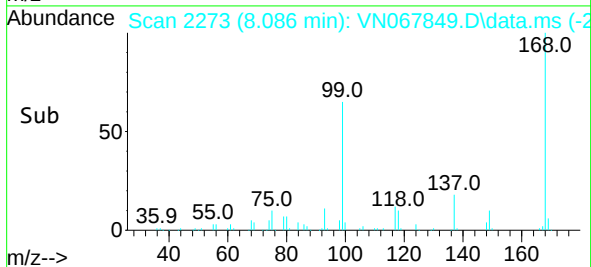
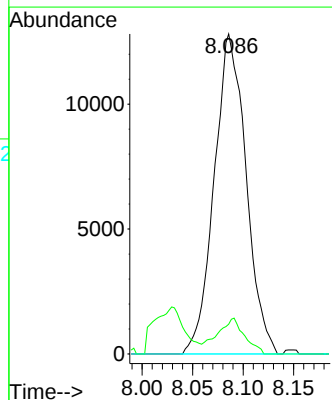
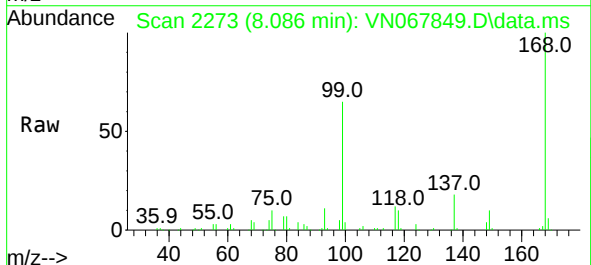
Instrument :
MSVOA_N
ClientSampled :

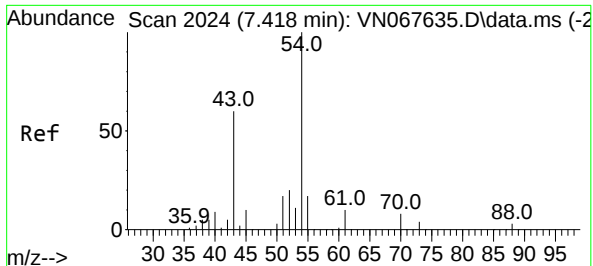
Tgt Ion:113 Resp: 182734
Ion Ratio Lower Upper
113 100
111 100.6 83.8 125.8
192 14.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 75 Resp: 28090
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.532 ug/l

RT: 7.348 min Scan# 1998

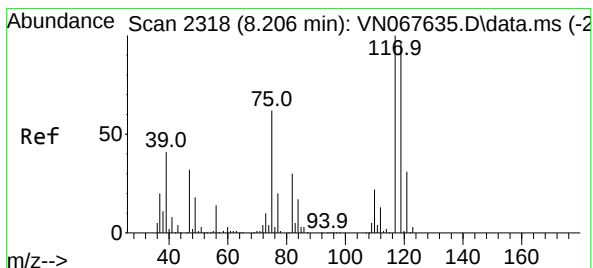
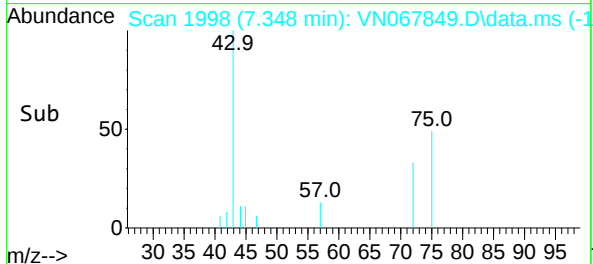
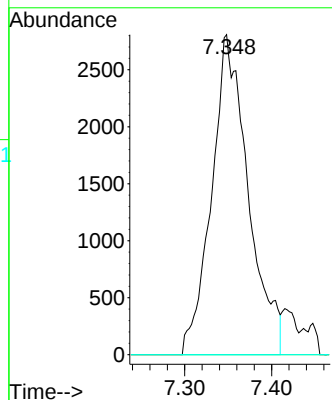
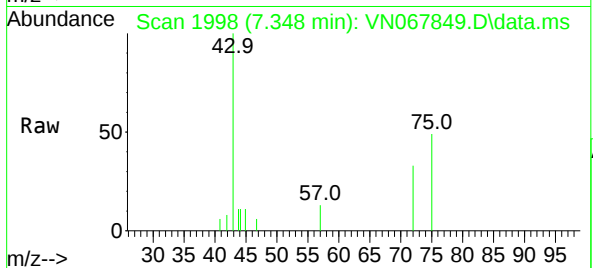
Delta R.T. -0.070 min

Lab File: VN067849.D

Acq: 21 Jul 2021 19:30

Tgt Ion: 43	Resp: 8228
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.1 12.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

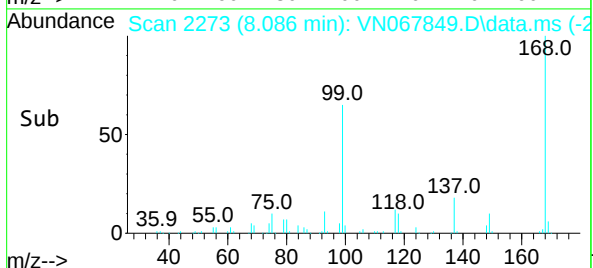
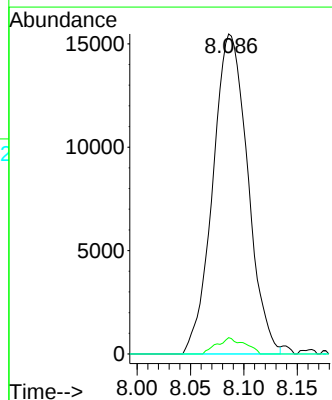
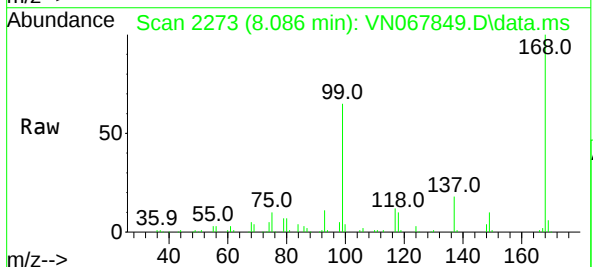
RT: 8.086 min Scan# 2273

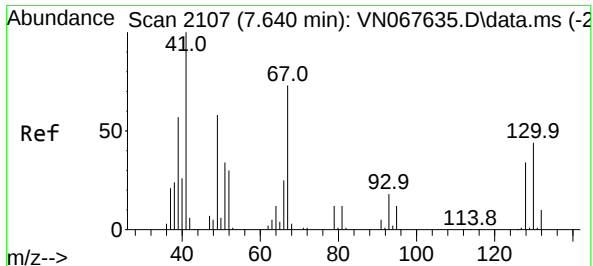
Delta R.T. -0.120 min

Lab File: VN067849.D

Acq: 21 Jul 2021 19:30

Tgt Ion: 117	Resp: 35152
Ion Ratio	Lower Upper
117	100
119	5.1 75.4 113.2#
121	0.0 23.5 35.3#

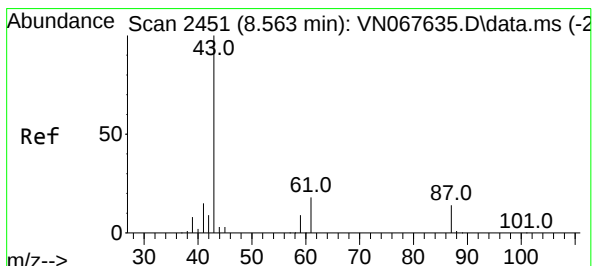
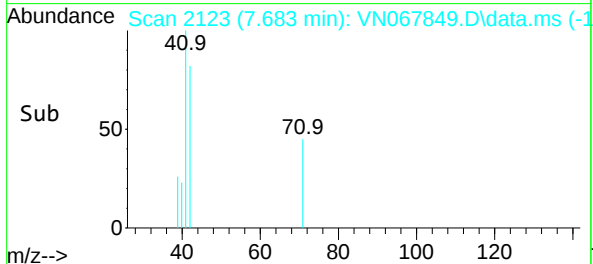
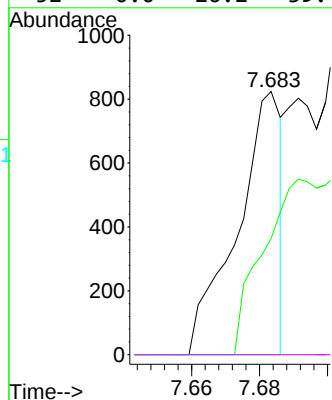
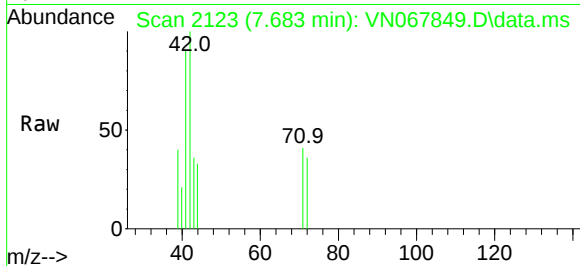




#41
Methacrylonitrile
Concen: 0.271 ug/l
RT: 7.683 min Scan# 2123
Delta R.T. 0.043 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

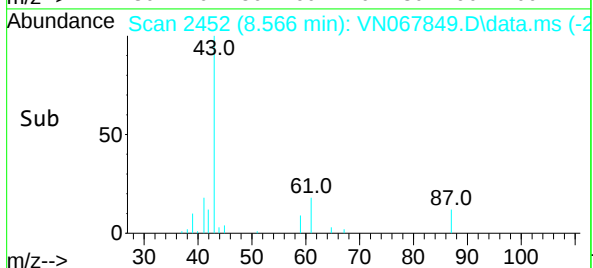
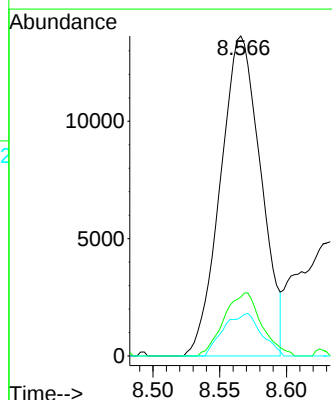
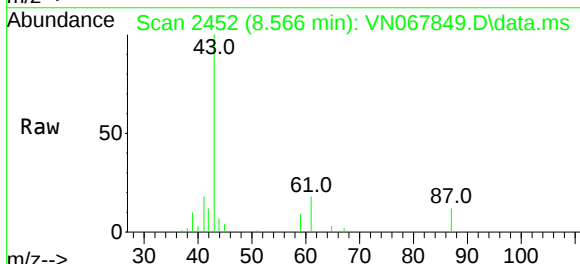
Instrument :
MSVOA_N
ClientSampled :

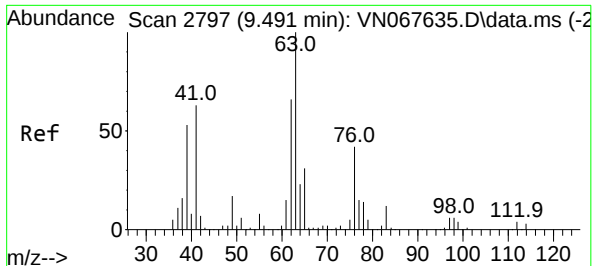
Tgt Ion: 41 Resp: 747
Ion Ratio Lower Upper
41 100
39 80.9 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



#43
Isopropyl Acetate
Concen: 3.043 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 43 Resp: 28746
Ion Ratio Lower Upper
43 100
61 18.3 19.0 28.4#
87 12.4 9.5 14.3

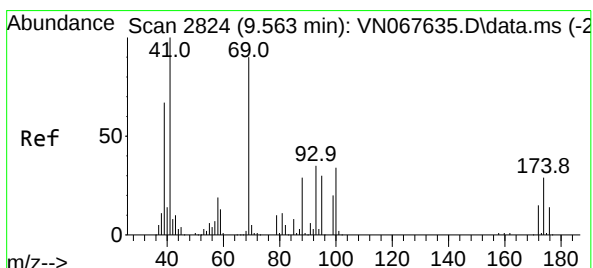
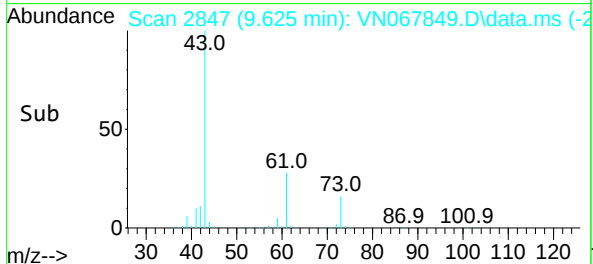
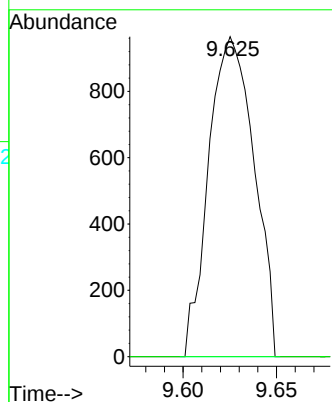
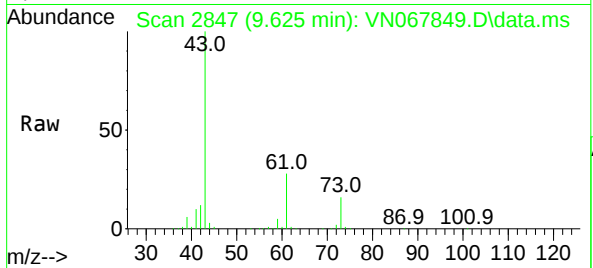




#45
1,2-Dichloropropane
Concen: 0.389 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

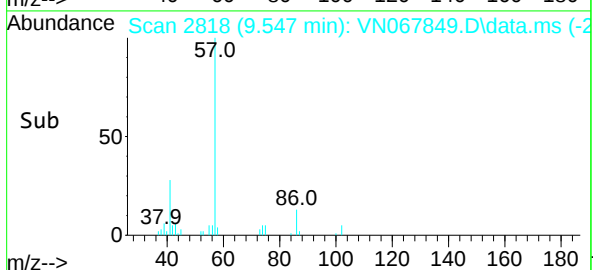
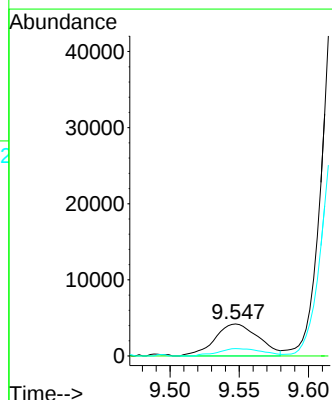
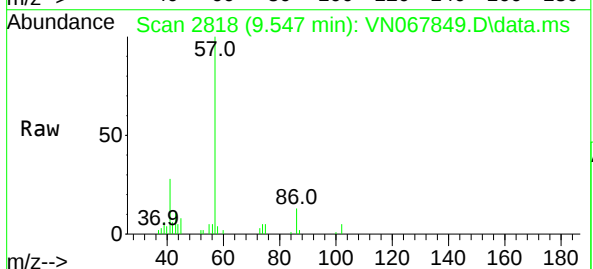
Instrument :
MSVOA_N
ClientSampled :

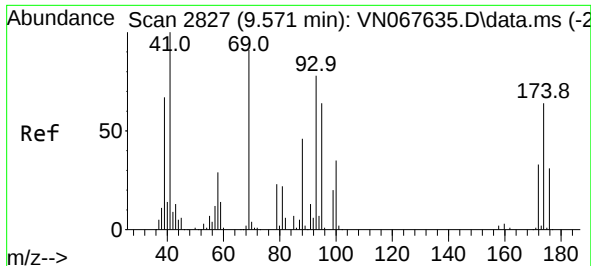
Tgt Ion: 63 Resp: 1633
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.207 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 41 Resp: 9222
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

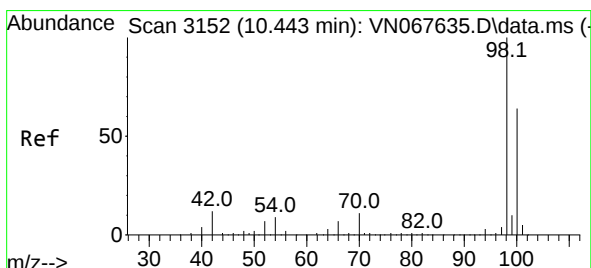
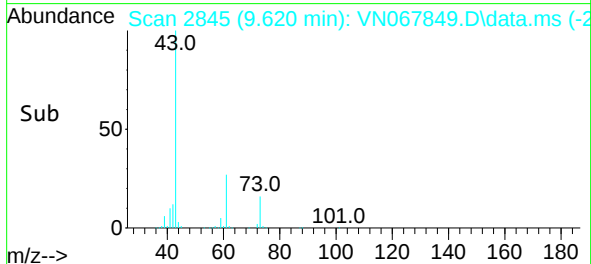
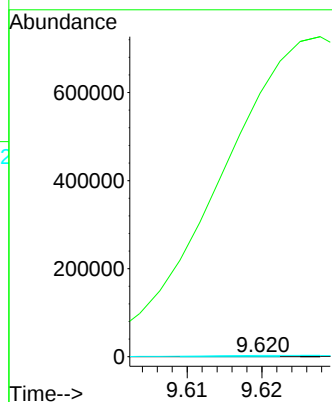
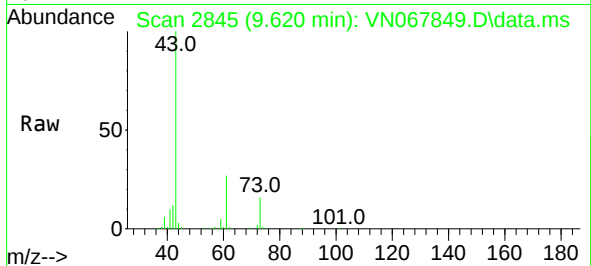




#49
1,4-Dioxane
Concen: 33.111 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.049 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

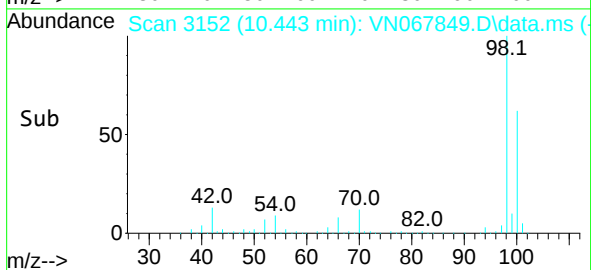
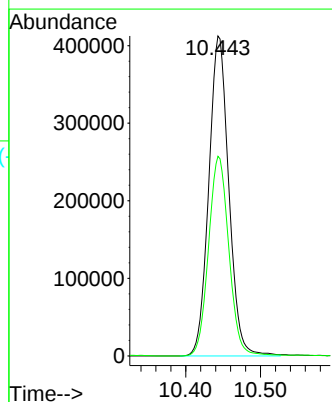
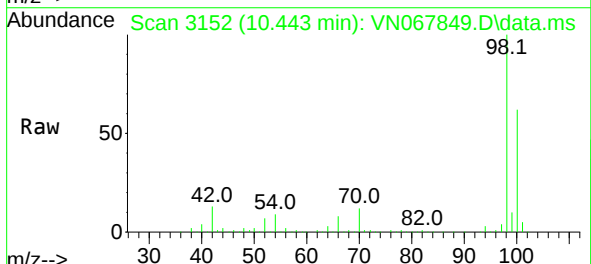
Instrument :
MSVOA_N
ClientSampled :

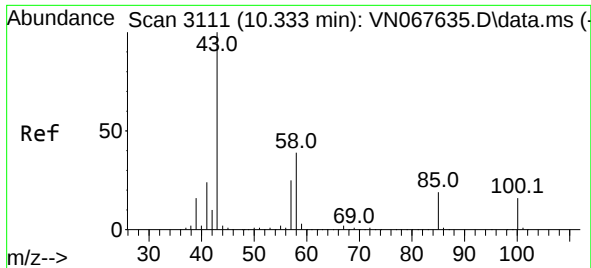
Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 50.793 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 98 Resp: 766516
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

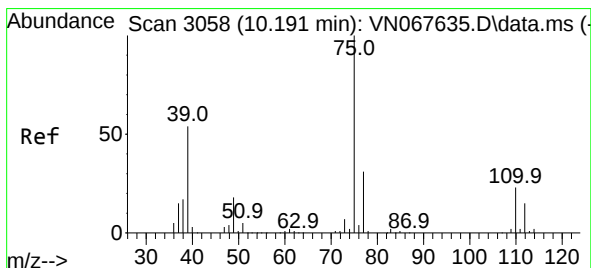
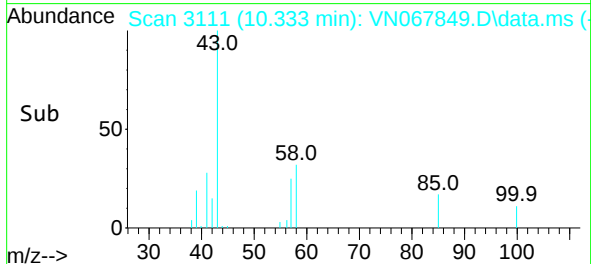
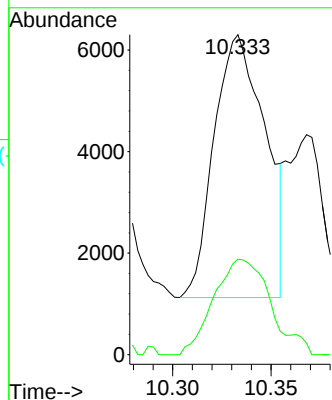
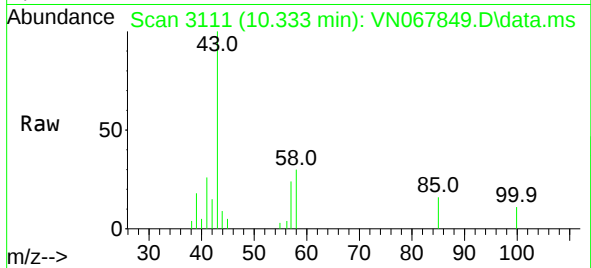




#51
4-Methyl-2-Pentanone
Concen: 1.609 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

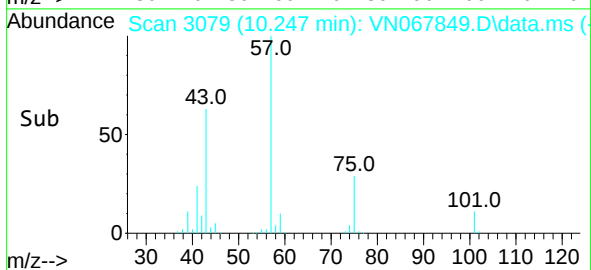
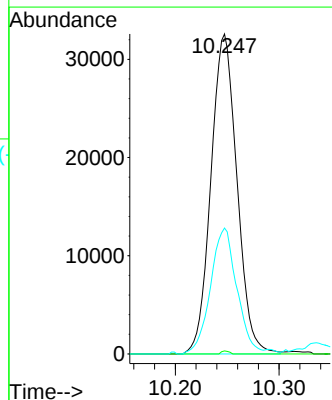
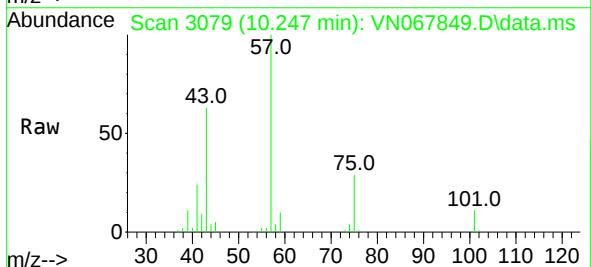
Instrument :
MSVOA_N
ClientSampleId :

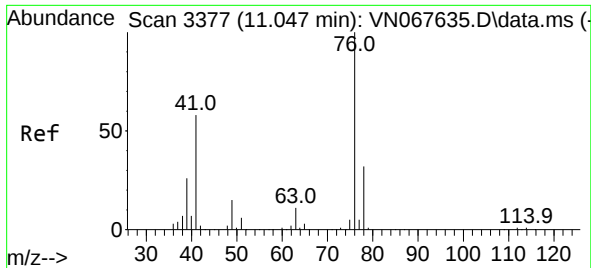
Tgt Ion: 43 Resp: 9340
Ion Ratio Lower Upper
43 100
58 40.4 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 8.757 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 75 Resp: 56753
Ion Ratio Lower Upper
75 100
77 0.9 24.6 37.0#
39 39.4 50.7 76.1#

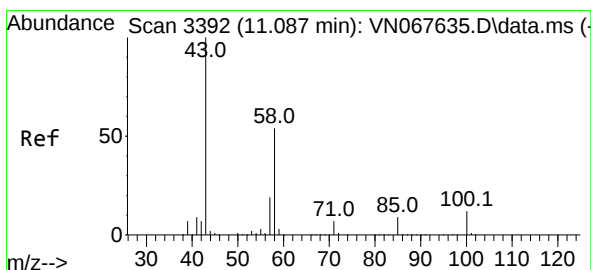
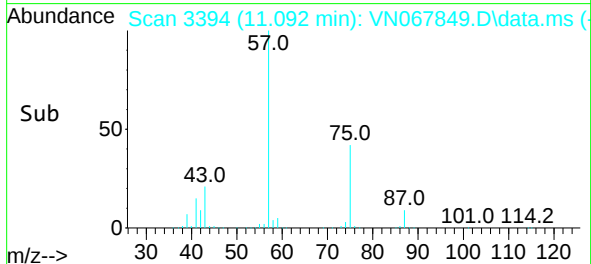
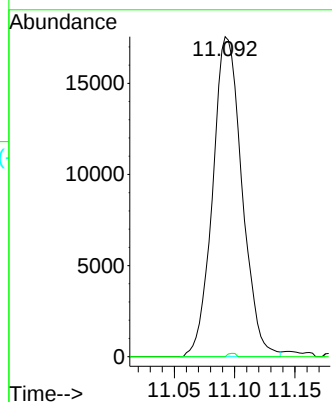
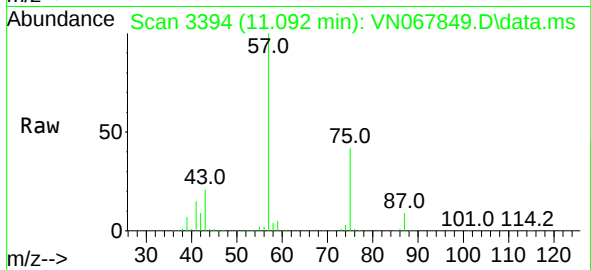




#57
1,3-Dichloropropane
Concen: 4.163 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

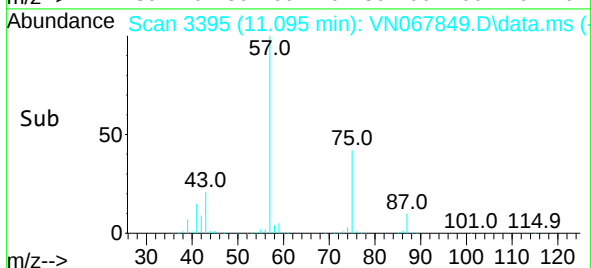
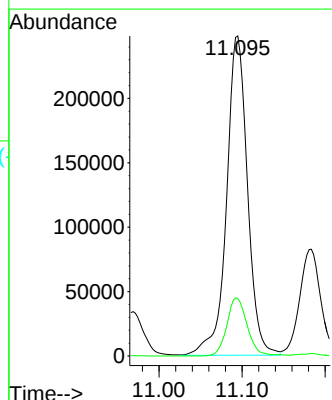
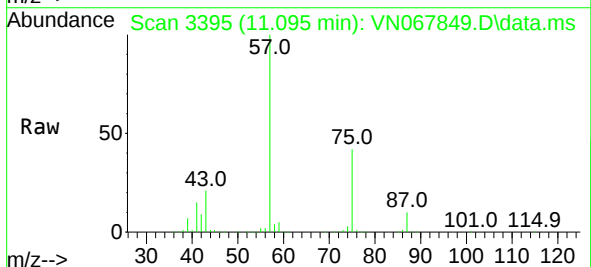
Instrument :
MSVOA_N
ClientSampleId :

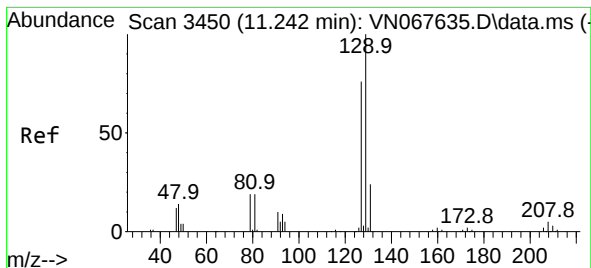
Tgt Ion: 76 Resp: 29737
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 107.504 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 43 Resp: 435538
Ion Ratio Lower Upper
43 100
58 17.5 24.7 74.1#

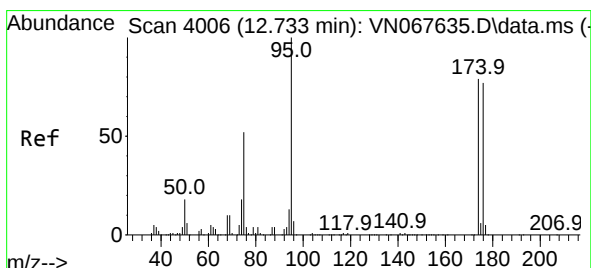
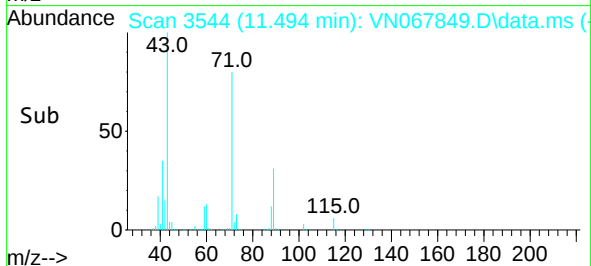
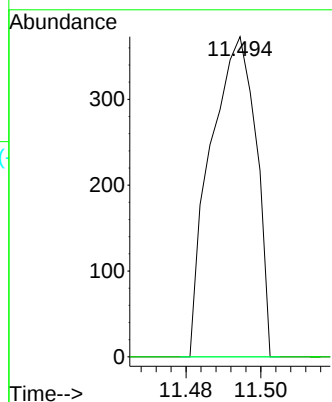
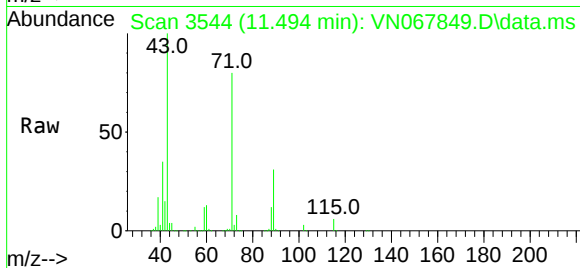




#60
Dibromochloromethane
Concen: 2.416 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.252 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

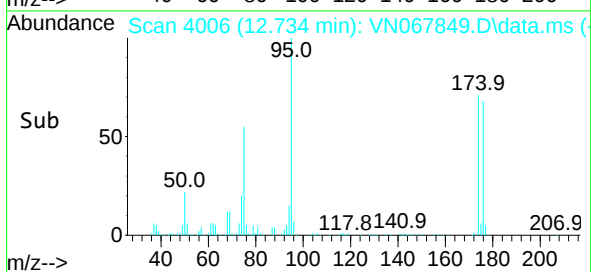
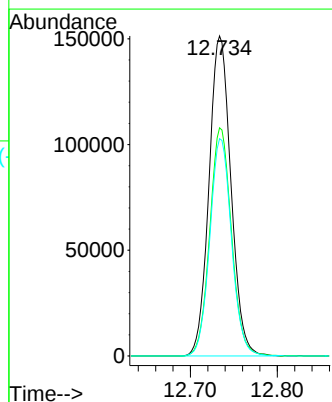
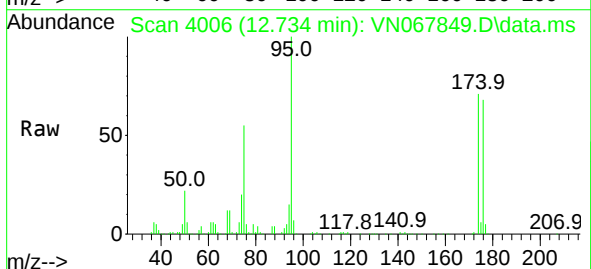
Instrument :
MSVOA_N
ClientSampled :

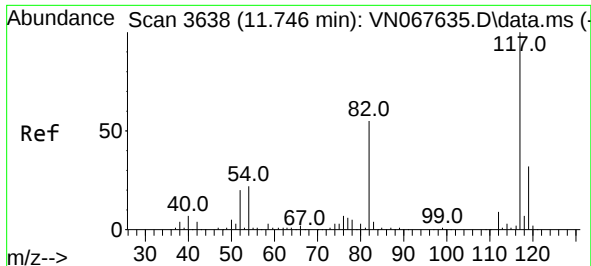
Tgt Ion:129 Resp: 315
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.760 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 95 Resp: 265273
Ion Ratio Lower Upper
95 100
174 70.8 0.0 122.0
176 67.2 0.0 117.6

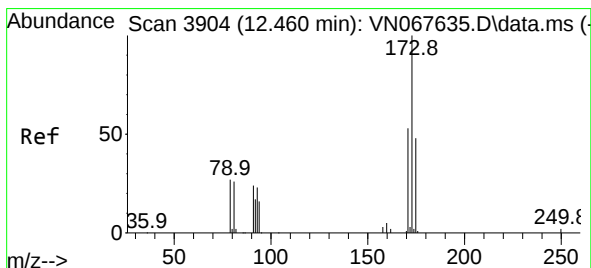
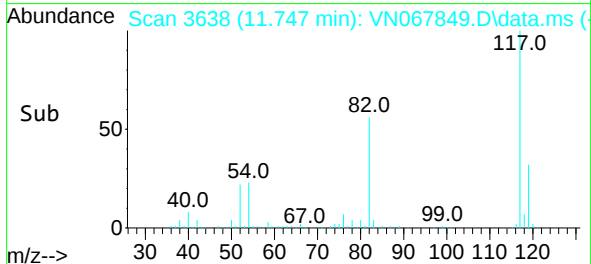
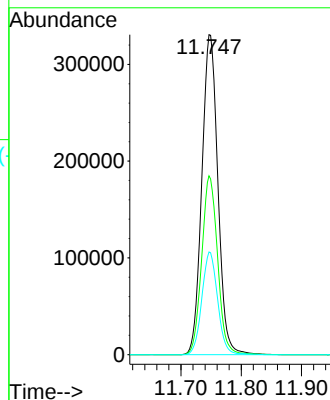
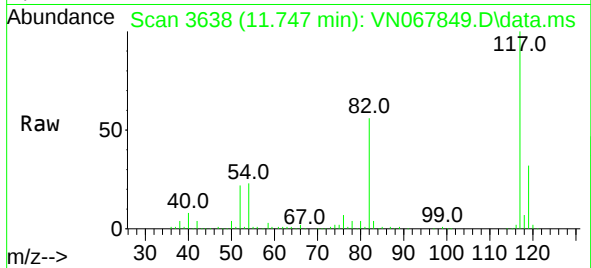




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

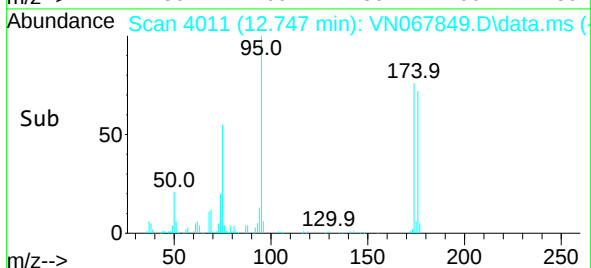
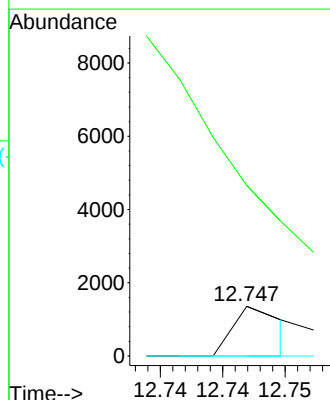
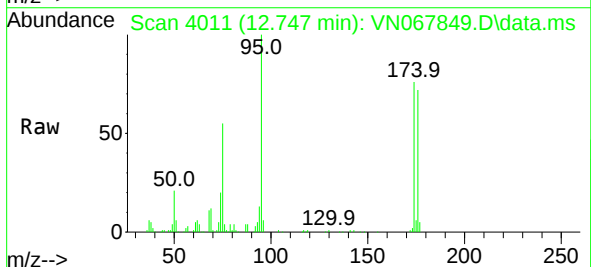
Instrument :
MSVOA_N
ClientSampleId :

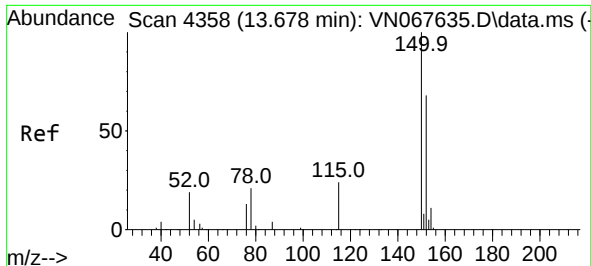
Tgt Ion:117 Resp: 610953
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 32.1 25.5 38.3



#71
Bromoform
Concen: 3.266 ug/l
RT: 12.747 min Scan# 4011
Delta R.T. 0.287 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion:173 Resp: 378
Ion Ratio Lower Upper
173 100
175 3793.9 23.9 71.8#
254 0.0 0.0 0.0

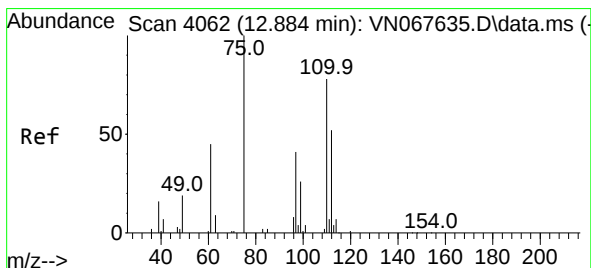
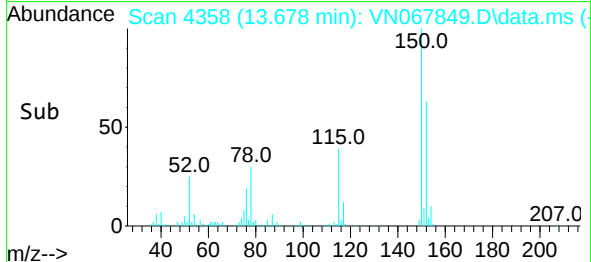
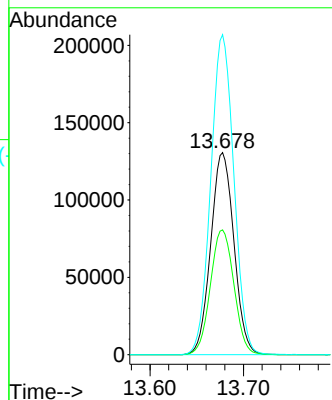
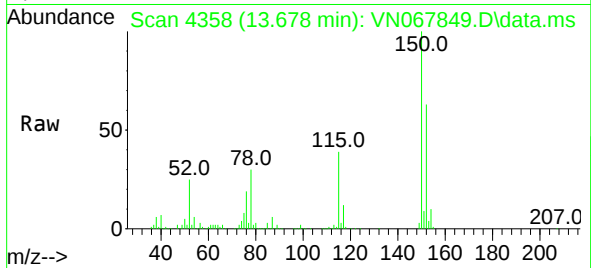




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067849.D
 Acq: 21 Jul 2021 19:30

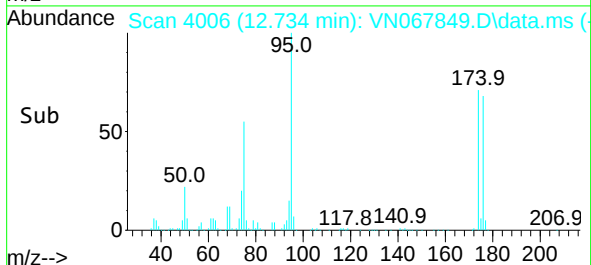
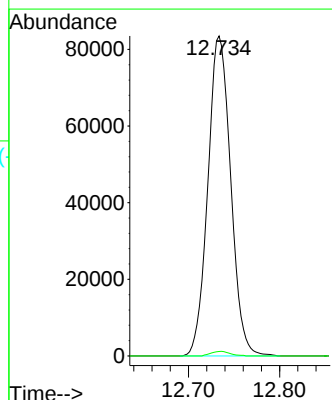
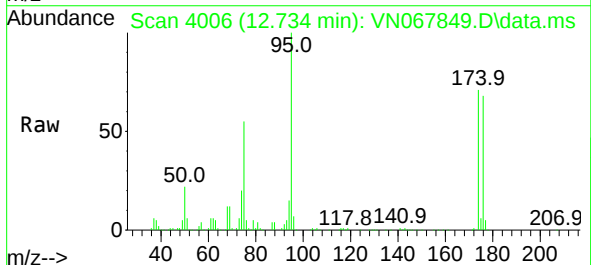
Instrument :
 MSVOA_N
 ClientSampled :

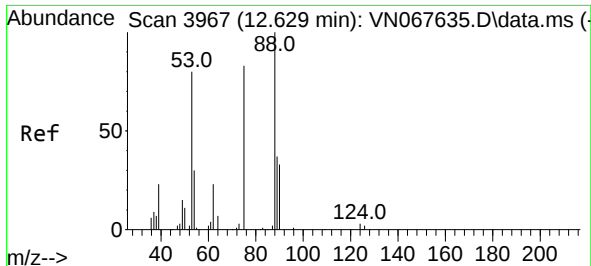
Tgt Ion:152 Resp: 225673
 Ion Ratio Lower Upper
 152 100
 115 62.6 36.1 108.5
 150 157.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.556 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067849.D
 Acq: 21 Jul 2021 19:30

Tgt Ion: 75 Resp: 145432
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

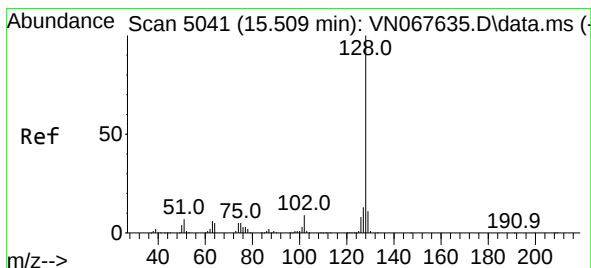
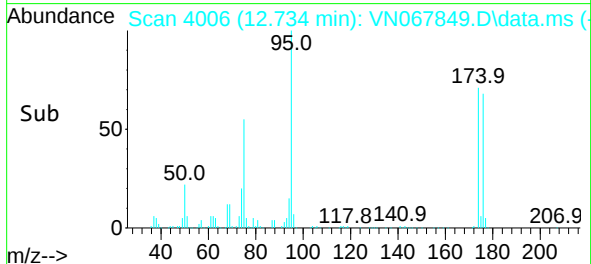
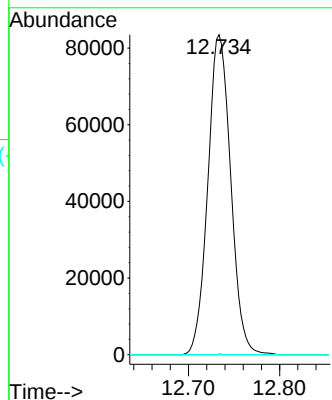
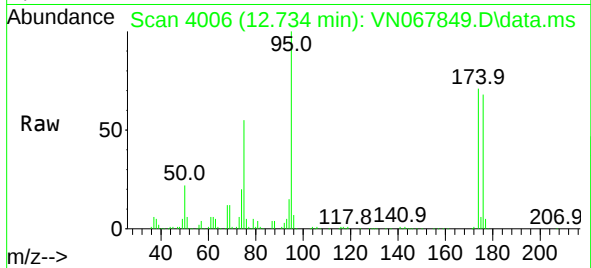




#81
trans-1,4-Dichloro-2-butene
Concen: 101.741 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 145432
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.043 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067849.D
Acq: 21 Jul 2021 19:30

Tgt Ion: 128 Resp: 356
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

