

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066665.D
 Acq On : 19 Apr 2021 16:17
 Operator : JC/MD
 Sample : M2075-26
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:57:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

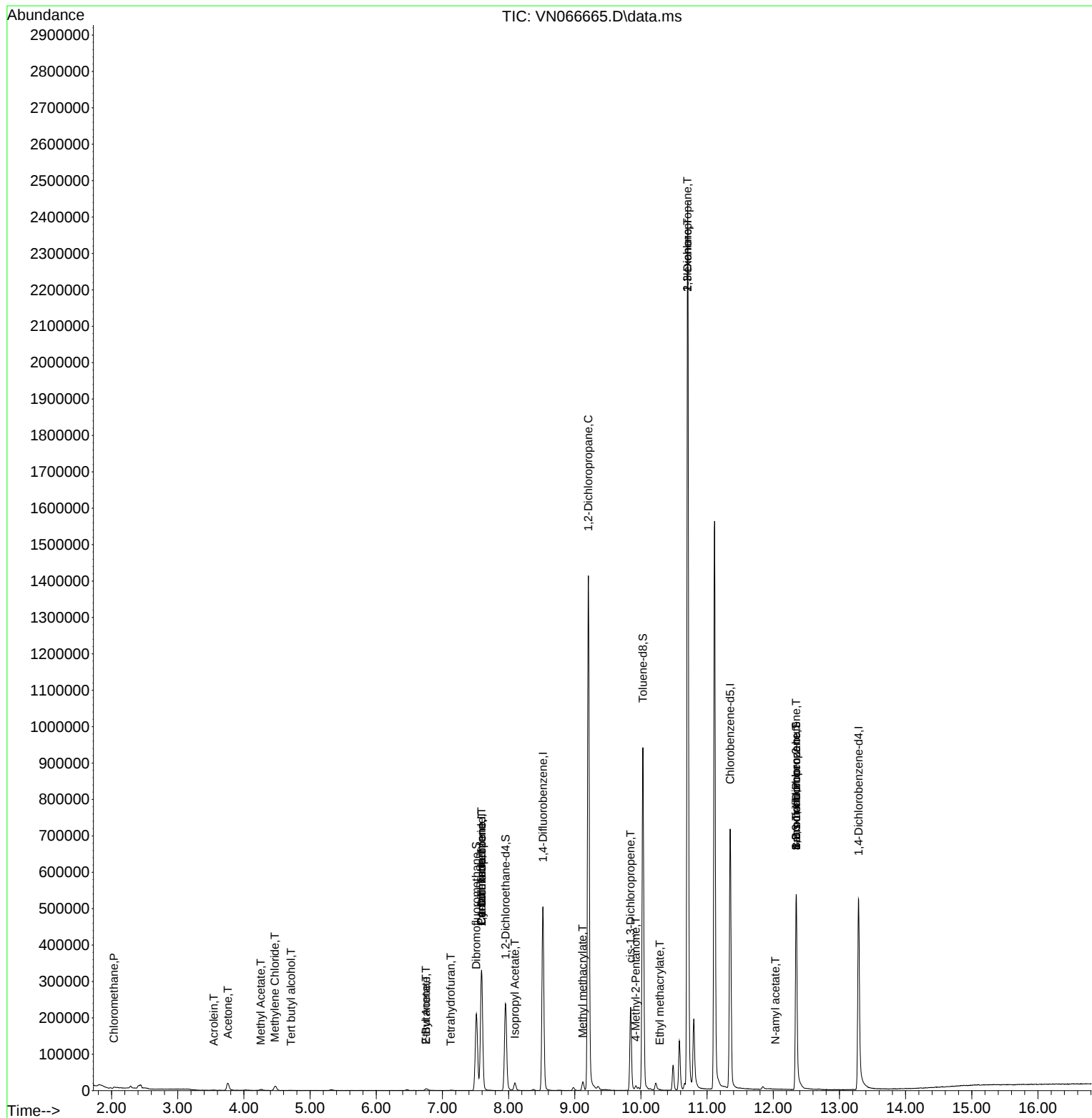
Internal Standards						
1) Pentafluorobenzene	7.591	168	287586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	452912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	429954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	176774	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	206972	47.71	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.42%		
35) Dibromofluoromethane	7.513	113	163348	52.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.02%		
50) Toluene-d8	10.029	98	649434	52.76	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.52%		
62) 4-Bromofluorobenzene	12.346	95	209453	48.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.78%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1347	0.26	ug/l	90
11) Tert butyl alcohol	4.713	59	301	0.43	ug/l #	73
13) Acrolein	3.544	56	385	1.04	ug/l #	45
16) Acetone	3.758	43	35158	14.67	ug/l	99
18) Methyl Acetate	4.252	43	3620	0.77	ug/l #	77
20) Methylene Chloride	4.466	84	8942	2.18	ug/l	98
25) 2-Butanone	6.751	43	9993	3.91	ug/l #	87
29) Tetrahydrofuran	7.124	42	678	0.39	ug/l #	46
31) Cyclohexane	7.591	56	5646	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	20785	4.55	ug/l #	48
37) Ethyl Acetate	6.751	43	9993	1.93	ug/l #	68
38) Carbon Tetrachloride	7.591	117	25515	5.97	ug/l #	17
43) Isopropyl Acetate	8.095	43	26637	3.08	ug/l #	86
45) 1,2-Dichloropropane	9.205	63	1777	0.44	ug/l #	44
48) Methyl methacrylate	9.117	41	6166	1.59	ug/l #	10
49) 1,4-Dioxane	9.203	88	78	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.922	43	9555	1.88	ug/l	92
54) cis-1,3-Dichloropropene	9.844	75	42289	7.09	ug/l #	63
56) Ethyl methacrylate	10.286	69	164	0.92	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	24223	4.06	ug/l #	43
59) 2-Hexanone	10.705	43	360443	102.36	ug/l #	49
71) Bromoform	12.346	173	1392	0.54	ug/l #	1
74) N-amyl acetate	12.030	43	186	9.76	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	103548	25.05	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	103548	77.35	ug/l #	12

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

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 20 04:57:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

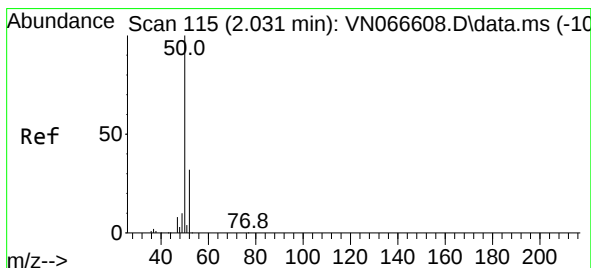
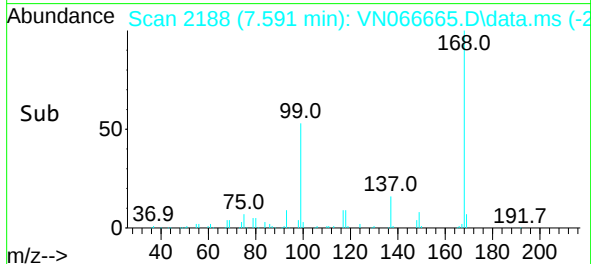
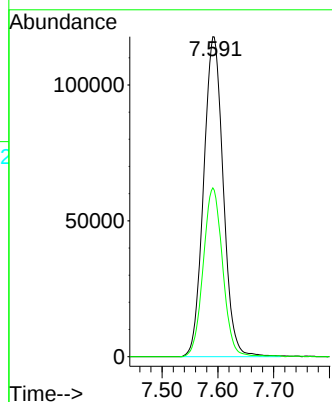
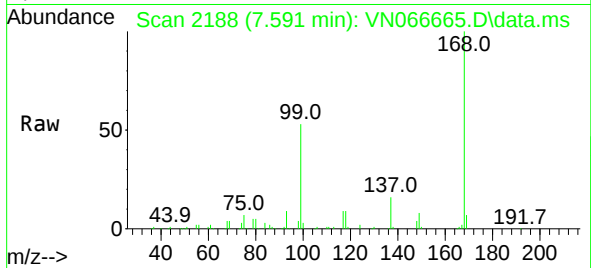




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

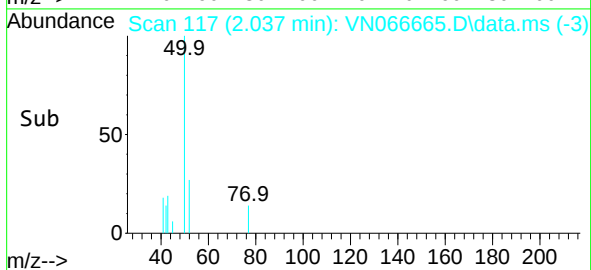
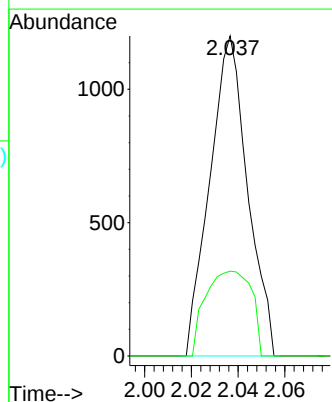
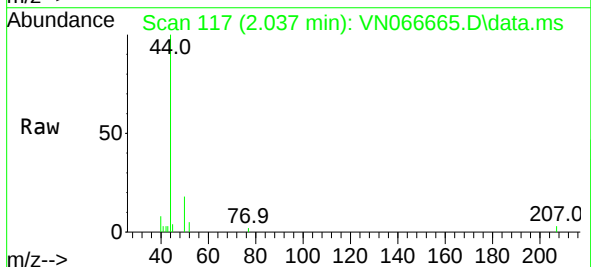
Instrument :
MSVOA_N
ClientSampled :

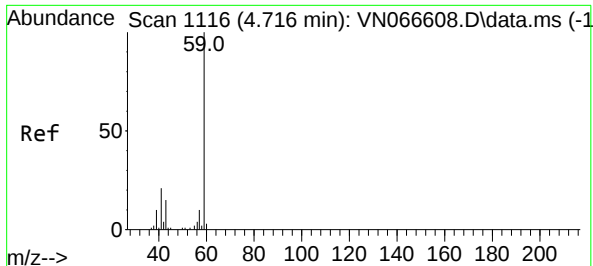
Tgt Ion:168 Resp: 287586
Ion Ratio Lower Upper
168 100
99 52.8 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 50 Resp: 1347
Ion Ratio Lower Upper
50 100
52 26.5 25.8 38.8

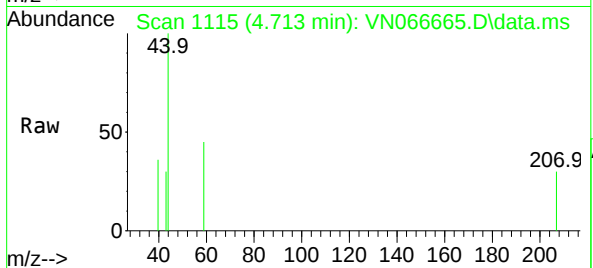




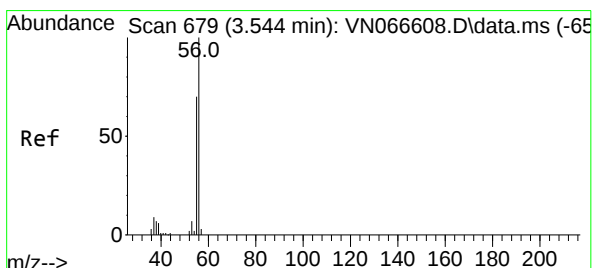
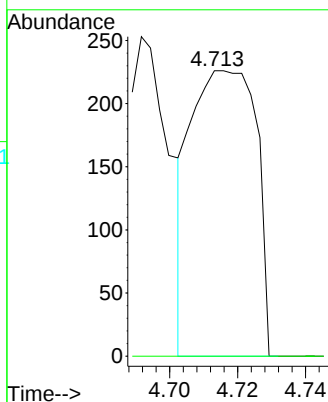
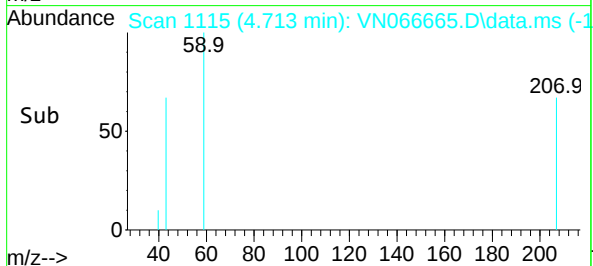
#11

Tert butyl alcohol
Concen: 0.43 ug/l
RT: 4.713 min Scan# 1115
Delta R.T. -0.003 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Instrument :
MSVOA_N
ClientSampled :

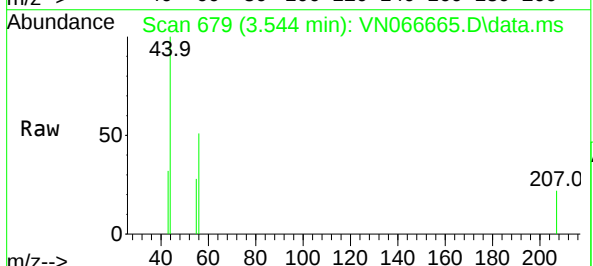


Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

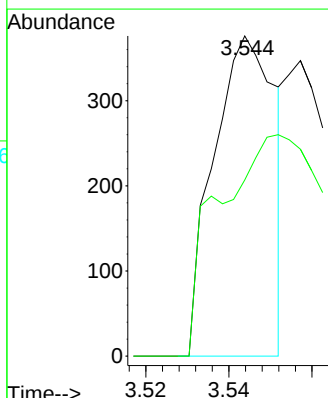
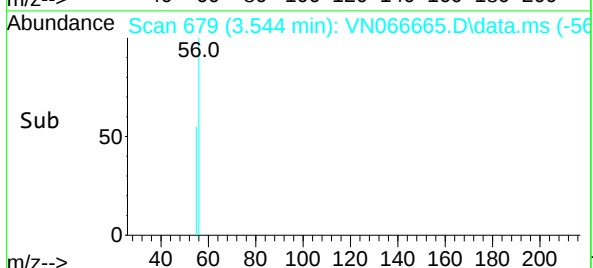


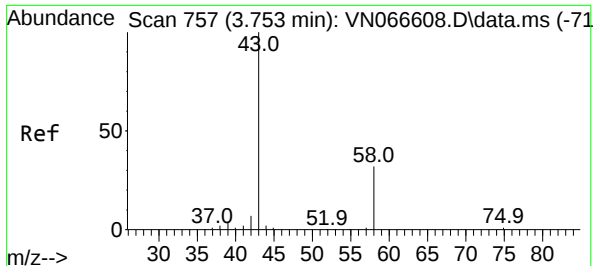
#13

Acrolein
Concen: 1.04 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.000 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17



Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 115.1 56.0 84.0#

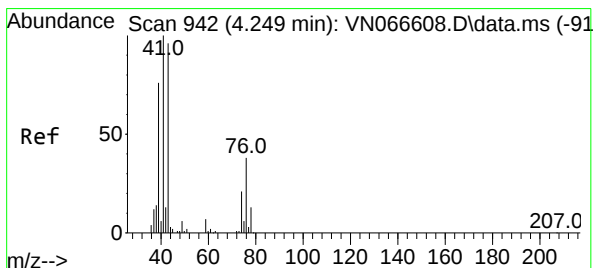
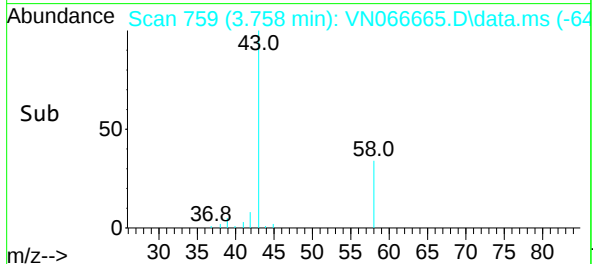
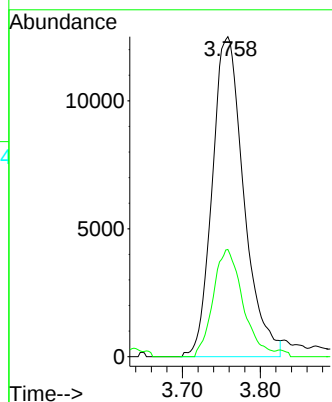
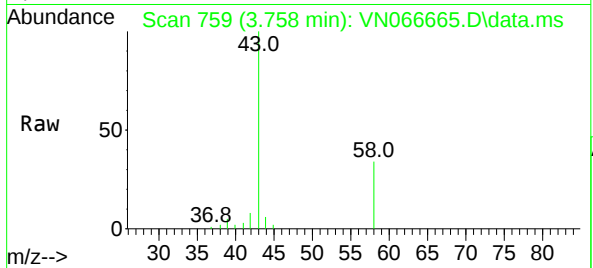




#16
Acetone
Concen: 14.67 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.005 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

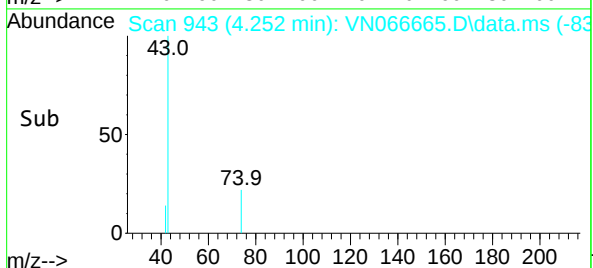
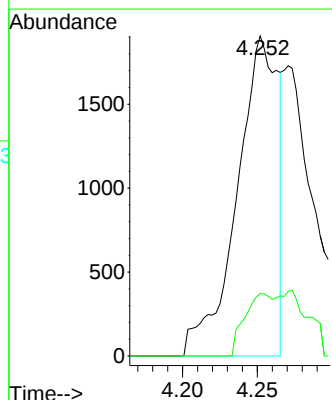
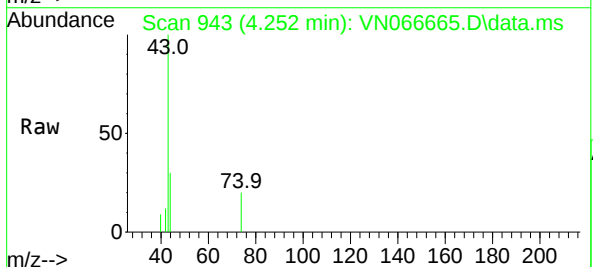
Instrument :
MSVOA_N
ClientSampled :

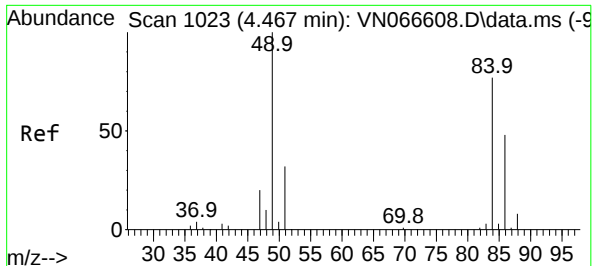
Tgt Ion: 43 Resp: 35158
Ion Ratio Lower Upper
43 100
58 33.5 27.0 40.6



#18
Methyl Acetate
Concen: 0.77 ug/l
RT: 4.252 min Scan# 943
Delta R.T. 0.003 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 43 Resp: 3620
Ion Ratio Lower Upper
43 100
74 13.0 19.5 29.3#





#20

Methylene Chloride

Concen: 2.18 ug/l

RT: 4.466 min Scan# 1023

Delta R.T. -0.001 min

Lab File: VN066665.D

Acq: 19 Apr 2021 16:17

Tgt Ion: 84 Resp: 8942

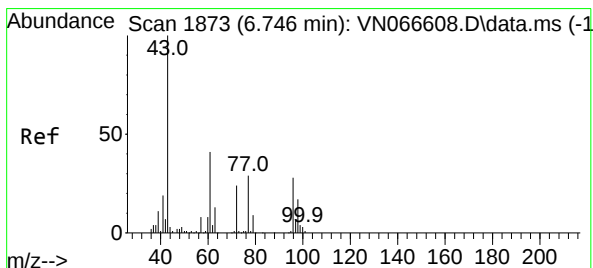
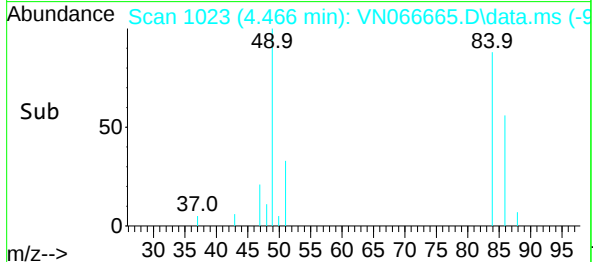
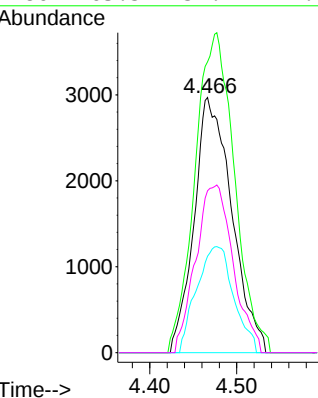
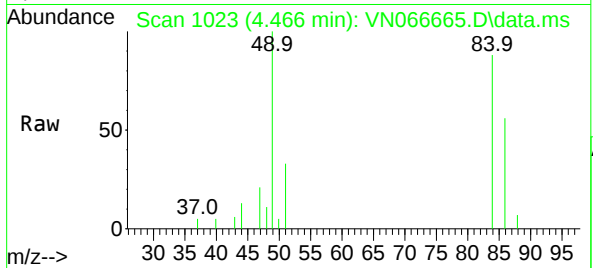
Ion Ratio Lower Upper

84 100

49 114.0 94.6 141.8

51 37.8 29.9 44.9

86 63.5 51.4 77.2



#25

2-Butanone

Concen: 3.91 ug/l

RT: 6.751 min Scan# 1875

Delta R.T. 0.005 min

Lab File: VN066665.D

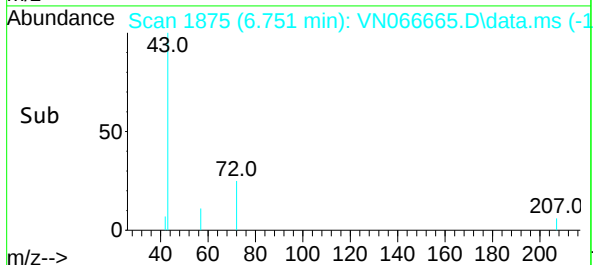
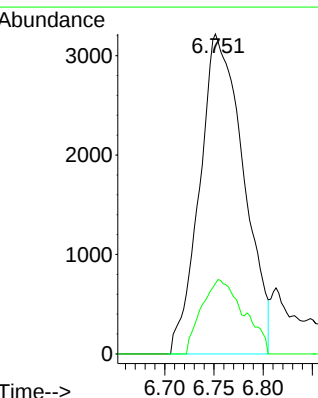
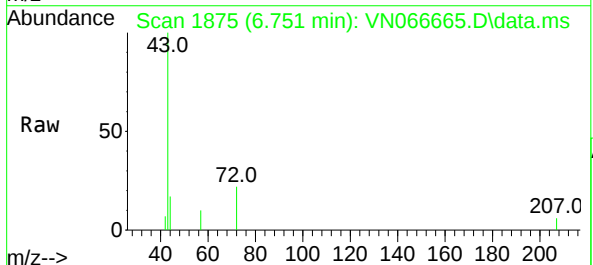
Acq: 19 Apr 2021 16:17

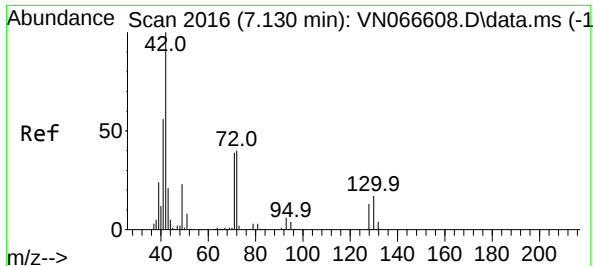
Tgt Ion: 43 Resp: 9993

Ion Ratio Lower Upper

43 100

72 22.0 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.124 min Scan# 2014

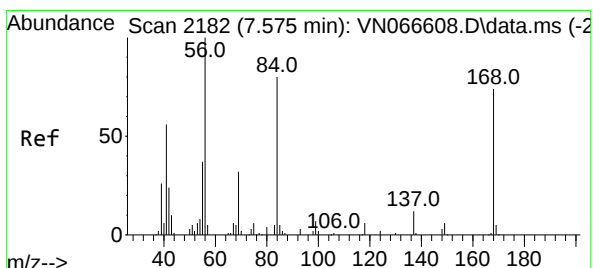
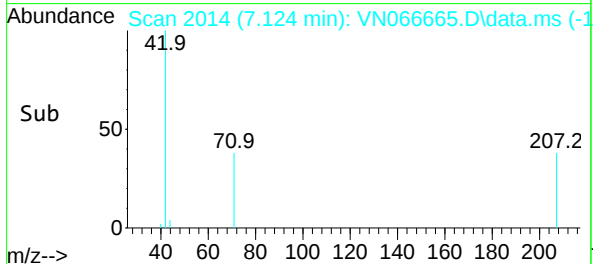
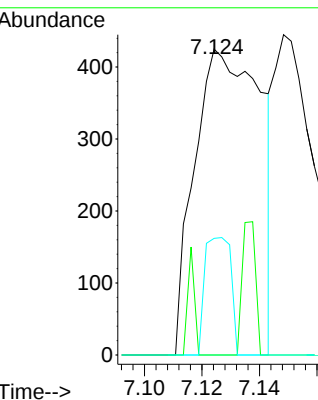
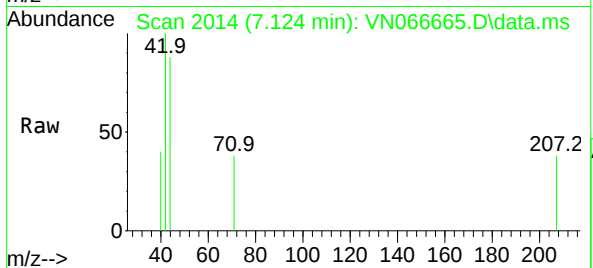
Delta R.T. -0.006 min

Lab File: VN066665.D

Acq: 19 Apr 2021 16:17

Tgt Ion:	42	Resp:	678
Ion	Ratio	Lower	Upper
42	100		
72	3.5	36.6	55.0#
71	15.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.90 ug/l

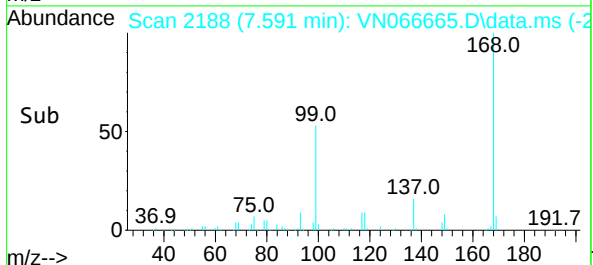
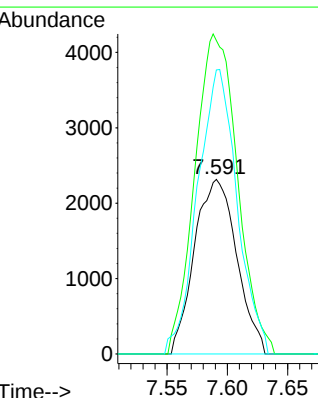
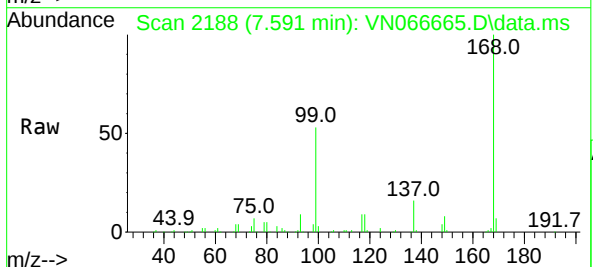
RT: 7.591 min Scan# 2188

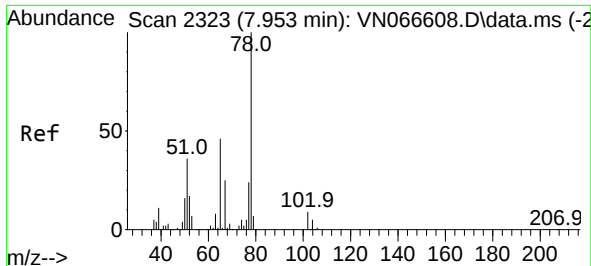
Delta R.T. 0.016 min

Lab File: VN066665.D

Acq: 19 Apr 2021 16:17

Tgt Ion:	56	Resp:	5646
Ion	Ratio	Lower	Upper
56	100		
69	179.6	26.6	39.8#
84	162.7	70.4	105.6#

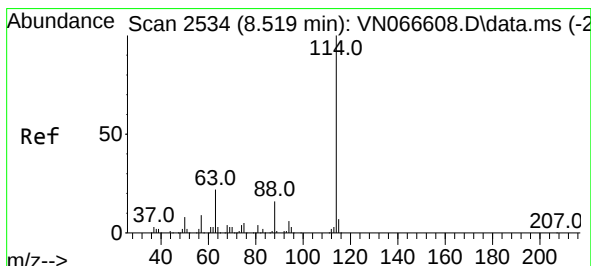
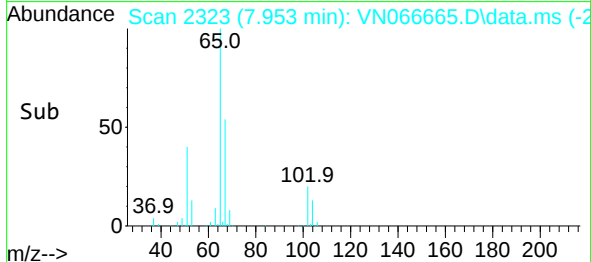
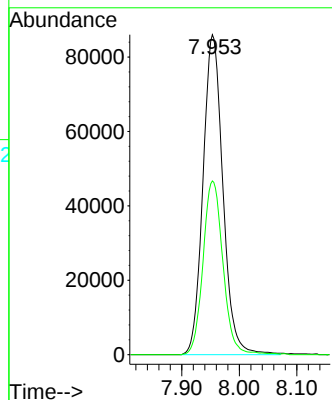
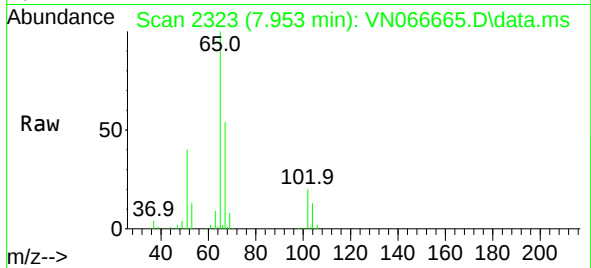




#33
 1,2-Dichloroethane-d4
 Concen: 47.71 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066665.D
 Acq: 19 Apr 2021 16:17

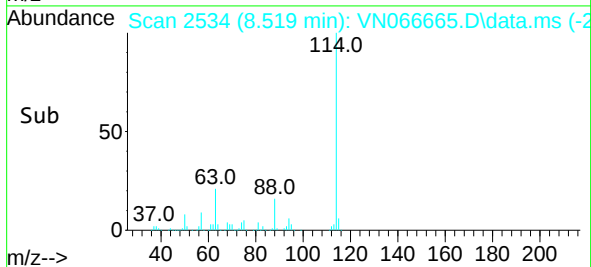
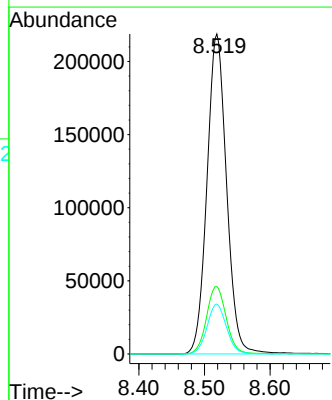
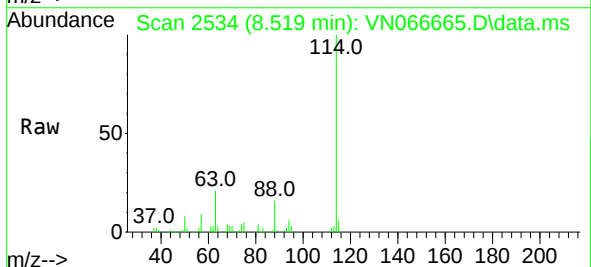
Instrument :
 MSVOA_N
 ClientSampled :

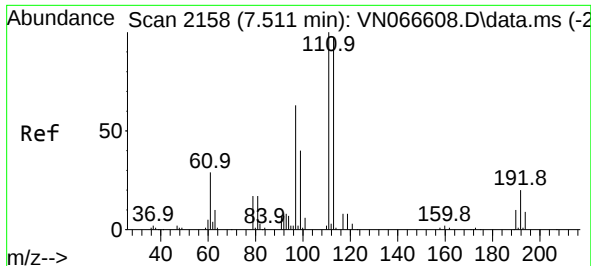
Tgt Ion: 65 Resp: 206972
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066665.D
 Acq: 19 Apr 2021 16:17

Tgt Ion: 114 Resp: 452912
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 38.6
 88 15.6 0.0 30.6

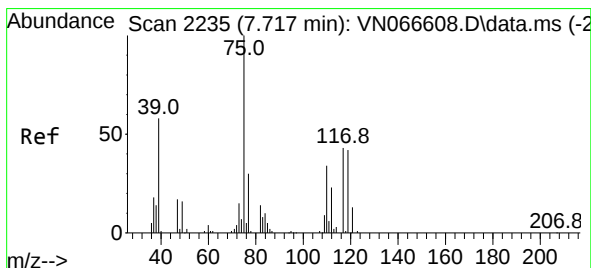
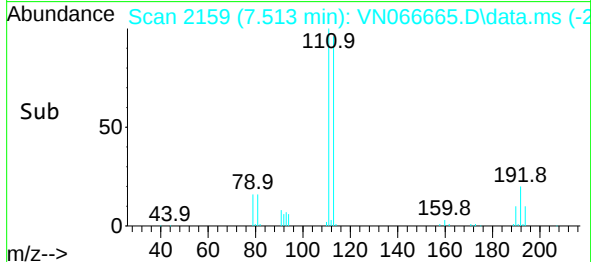
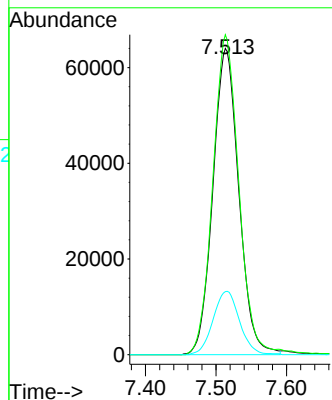
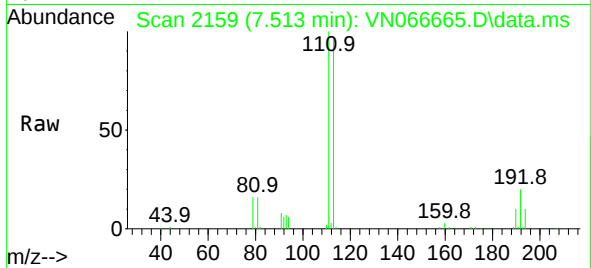




#35
Dibromofluoromethane
Concen: 52.01 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

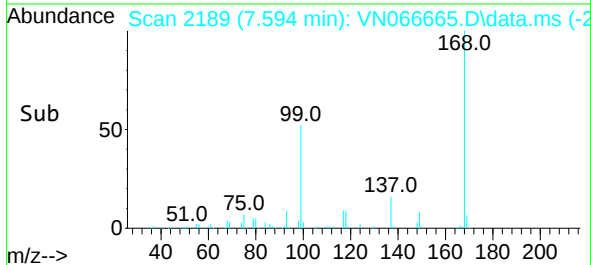
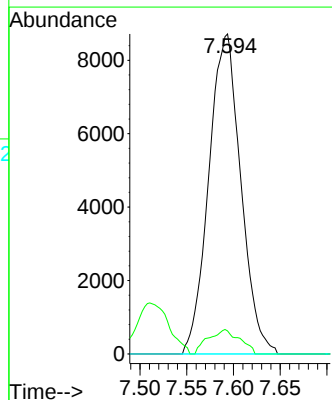
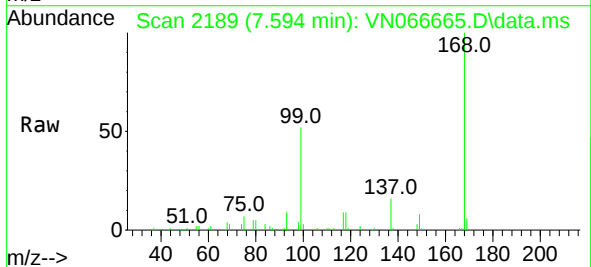
Instrument :
MSVOA_N
ClientSampleId :

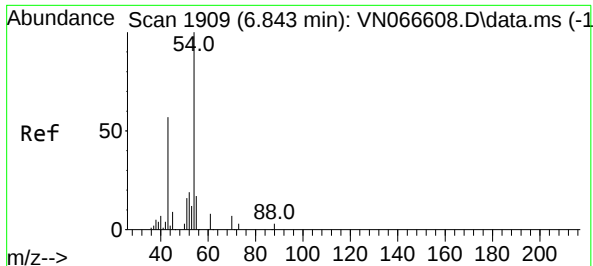
Tgt Ion:113 Resp: 163348
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 21.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.55 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 75 Resp: 20785
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.93 ug/l

RT: 6.751 min Scan# 1875

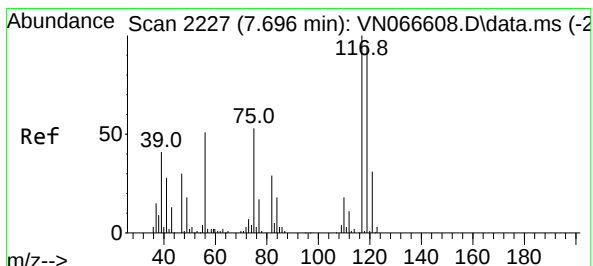
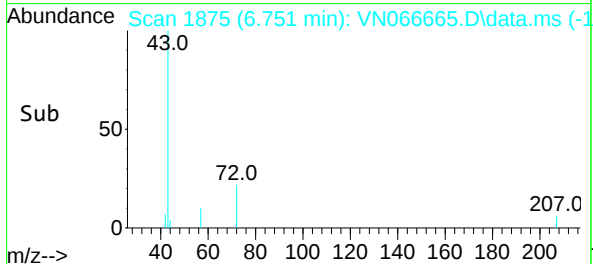
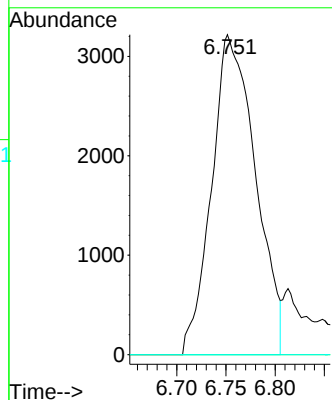
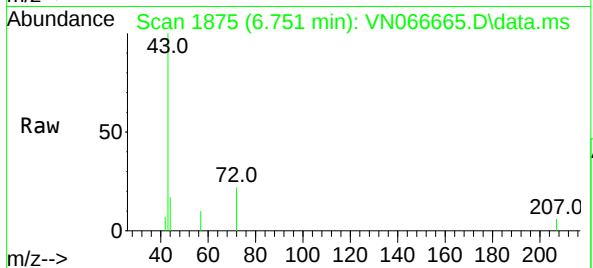
Delta R.T. -0.092 min

Lab File: VN066665.D

Acq: 19 Apr 2021 16:17

Tgt Ion:	43	Resp:	9993
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.97 ug/l

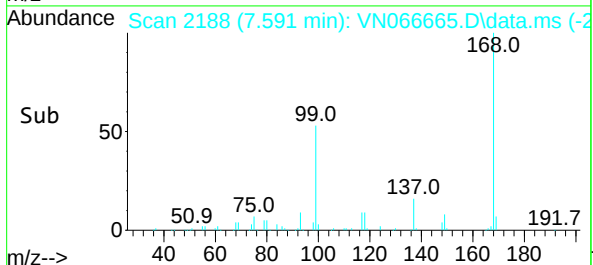
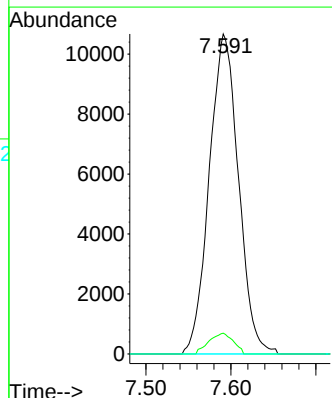
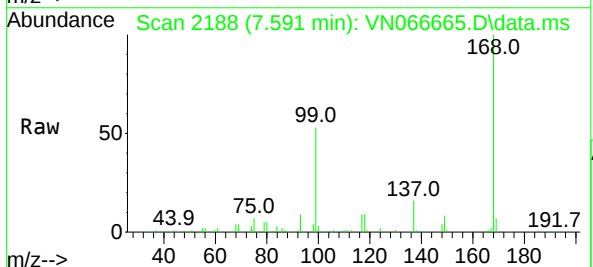
RT: 7.591 min Scan# 2188

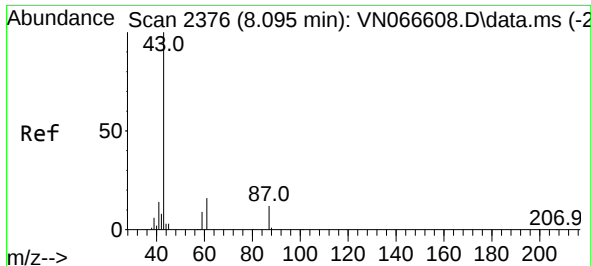
Delta R.T. -0.105 min

Lab File: VN066665.D

Acq: 19 Apr 2021 16:17

Tgt Ion:	117	Resp:	25515
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.0	114.0#
121	0.0	24.5	36.7#

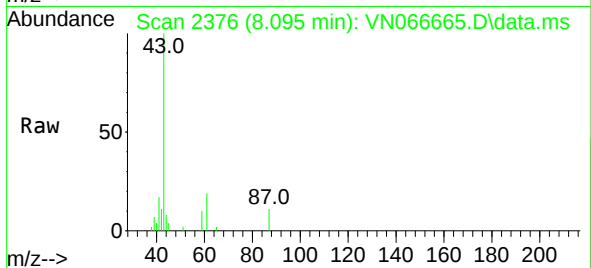




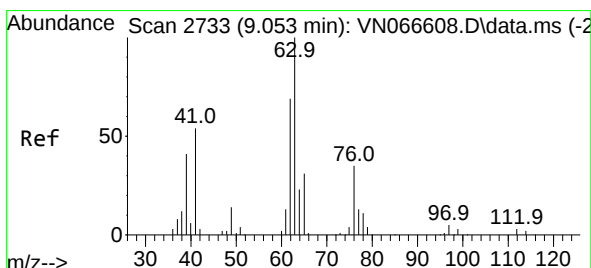
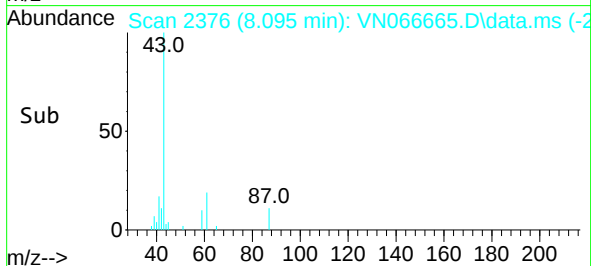
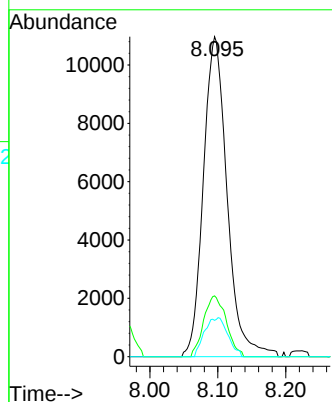
#43

Isopropyl Acetate
 Concen: 3.08 ug/l
 RT: 8.095 min Scan# 2376
 Delta R.T. 0.000 min
 Lab File: VN066665.D
 Acq: 19 Apr 2021 16:17

Instrument :
 MSVOA_N
 ClientSampled :



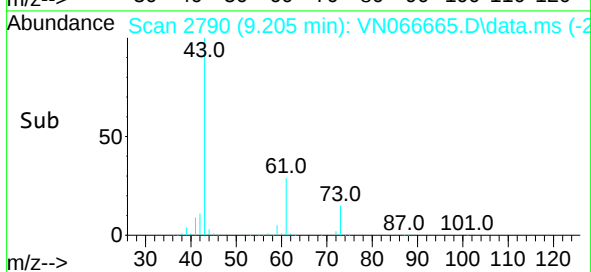
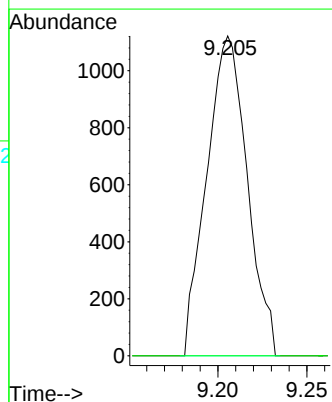
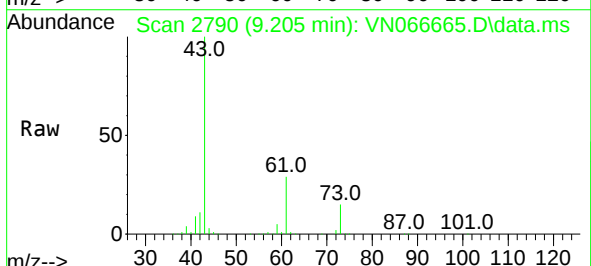
Tgt Ion:	43	Resp:	26637
Ion Ratio	Lower	Upper	
43	100		
61	18.1	22.5	33.7#
87	11.9	11.1	16.7

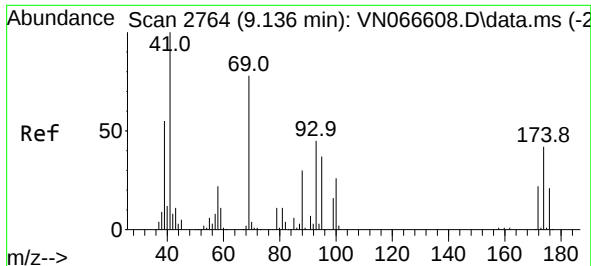


#45

1,2-Dichloropropane
 Concen: 0.44 ug/l
 RT: 9.205 min Scan# 2790
 Delta R.T. 0.152 min
 Lab File: VN066665.D
 Acq: 19 Apr 2021 16:17

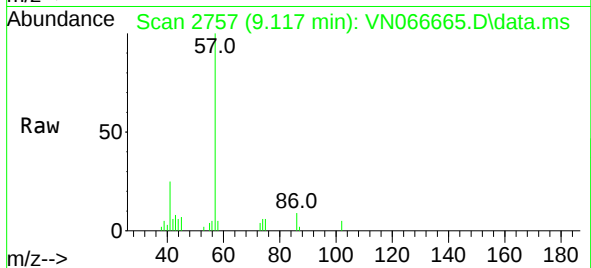
Tgt Ion:	63	Resp:	1777
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#



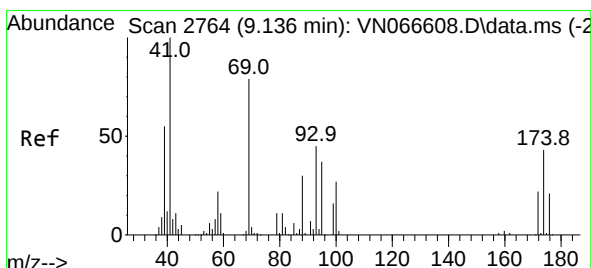
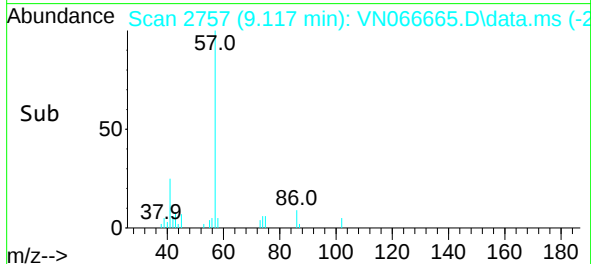
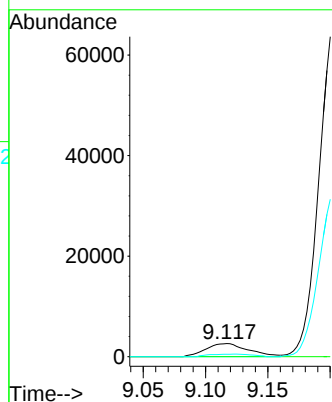


#48
Methyl methacrylate
Concen: 1.59 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Instrument :
MSVOA_N
ClientSampled :

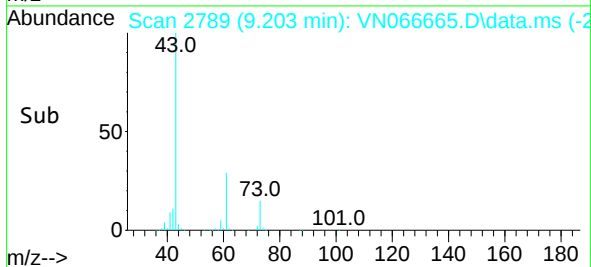
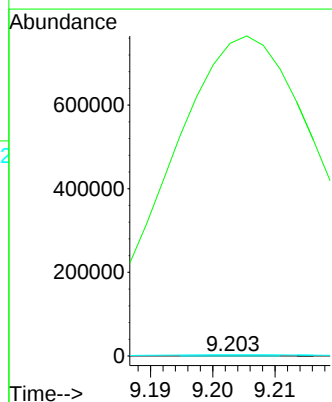
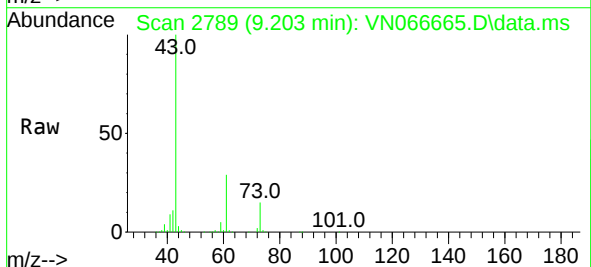


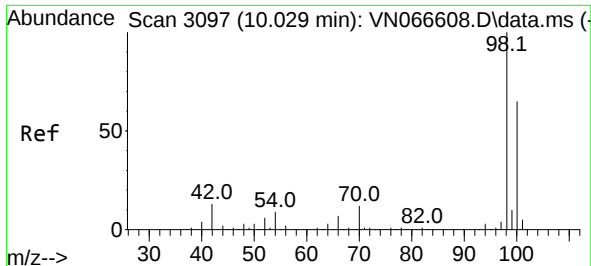
Tgt Ion: 41 Resp: 6166
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.203 min Scan# 2789
Delta R.T. 0.067 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 1866498.7 24.7 37.1#
58 8041.0 52.6 78.8#

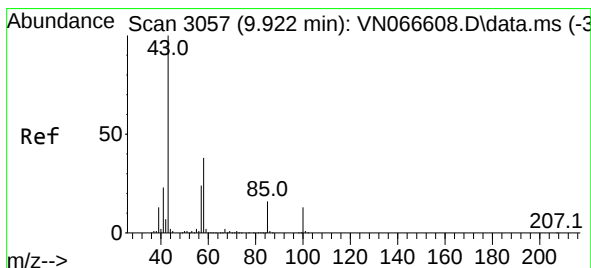
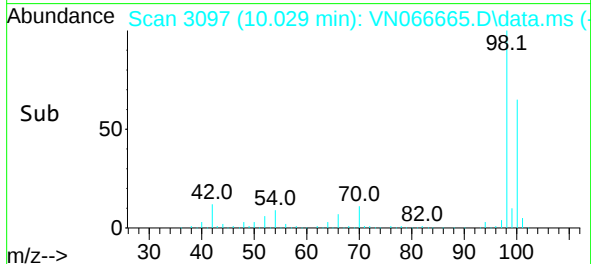
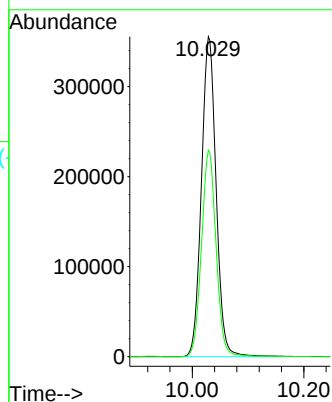
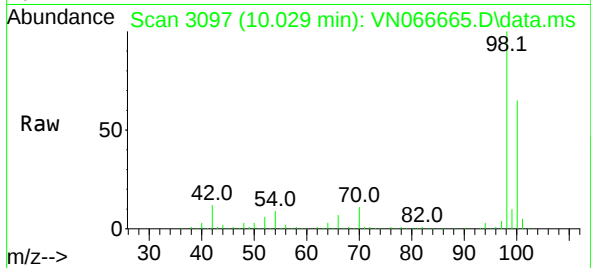




#50
Toluene-d8
Concen: 52.76 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

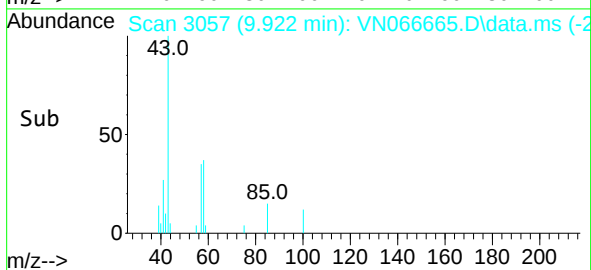
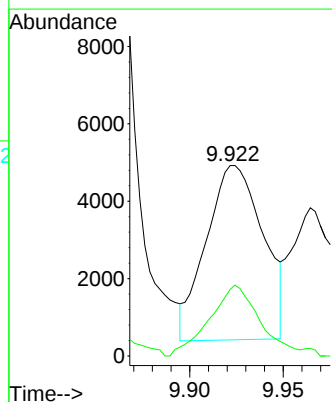
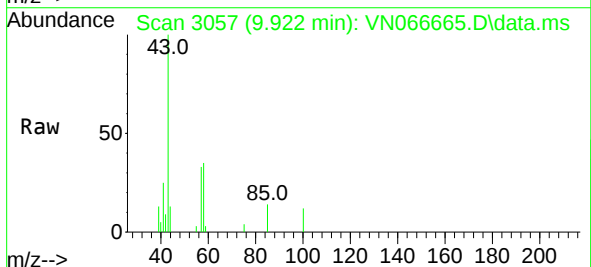
Instrument :
MSVOA_N
ClientSampled :

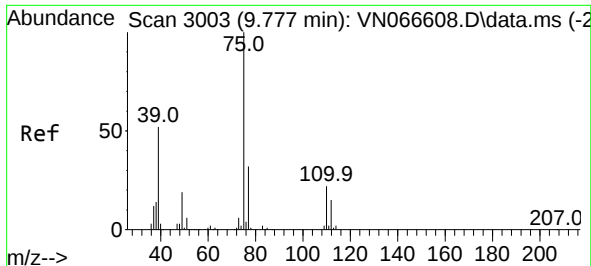
Tgt Ion: 98 Resp: 649434
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.88 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 43 Resp: 9555
Ion Ratio Lower Upper
43 100
58 35.6 32.5 48.7

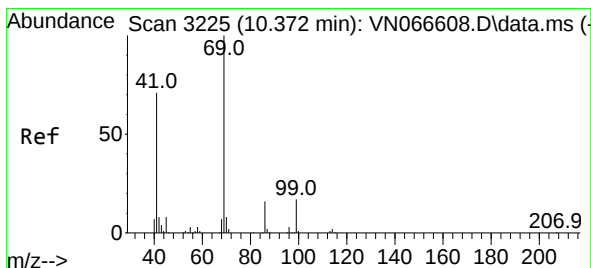
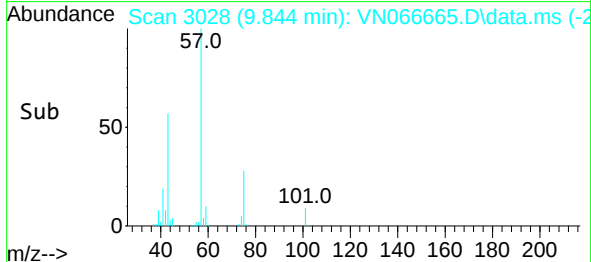
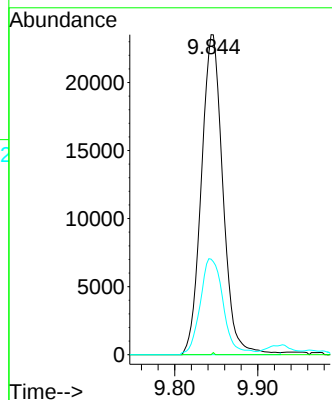
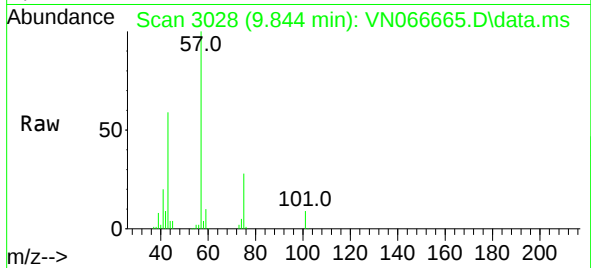




#54
cis-1,3-Dichloropropene
Concen: 7.09 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

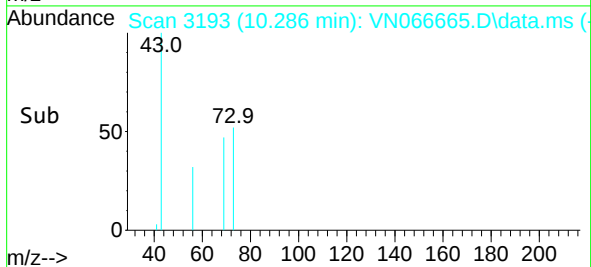
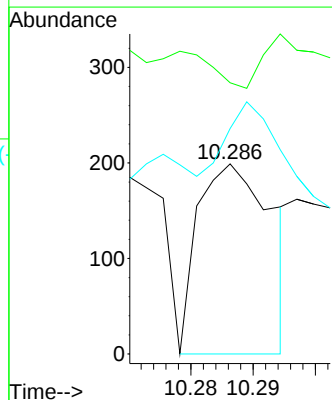
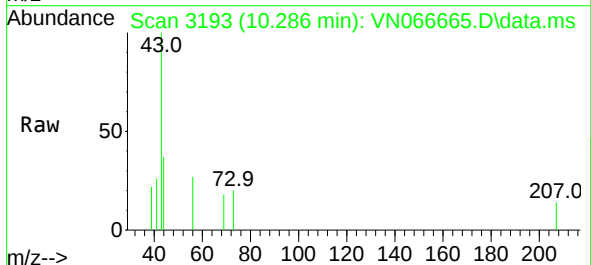
Instrument :
MSVOA_N
ClientSampled :

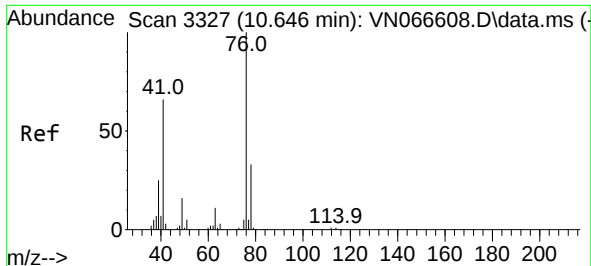
Tgt Ion: 75 Resp: 42289
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 29.9 36.2 54.4#



#56
Ethyl methacrylate
Concen: 0.92 ug/l
RT: 10.286 min Scan# 3193
Delta R.T. -0.086 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 69 Resp: 164
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 163.4 28.0 42.0#

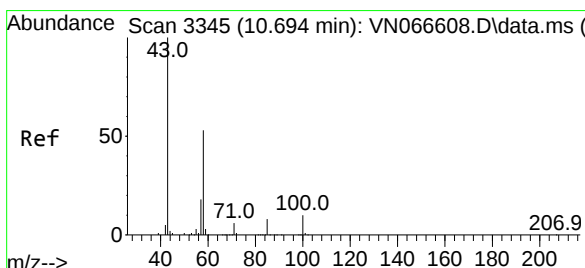
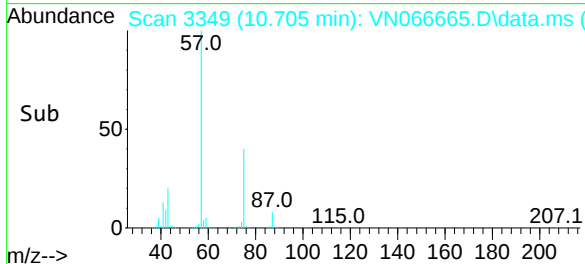
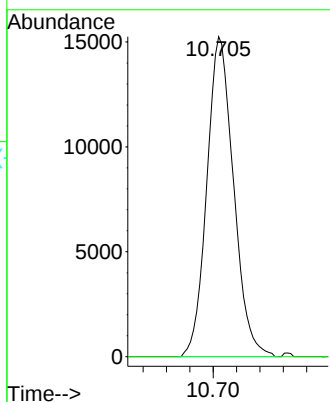
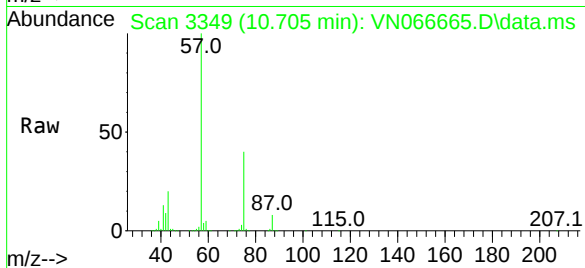




#57
1,3-Dichloropropane
Concen: 4.06 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

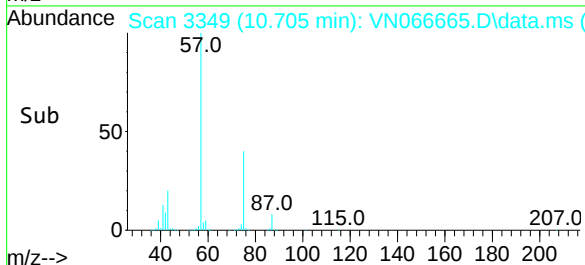
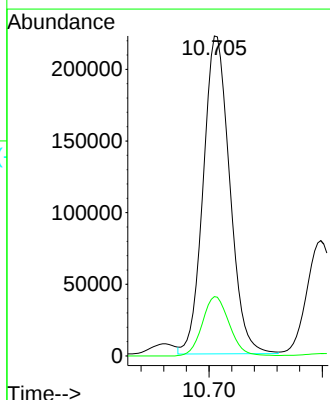
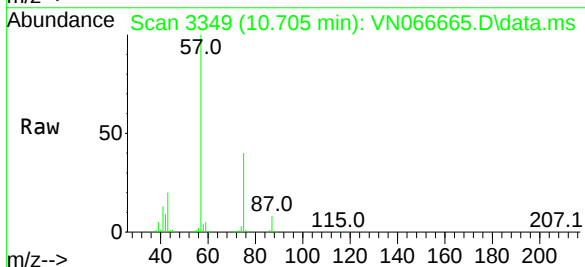
Instrument :
MSVOA_N
ClientSampled :

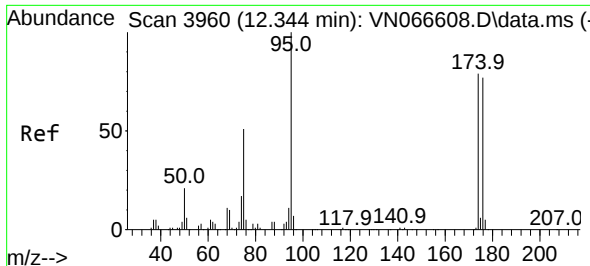
Tgt Ion: 76 Resp: 24223
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 102.36 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 43 Resp: 360443
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#

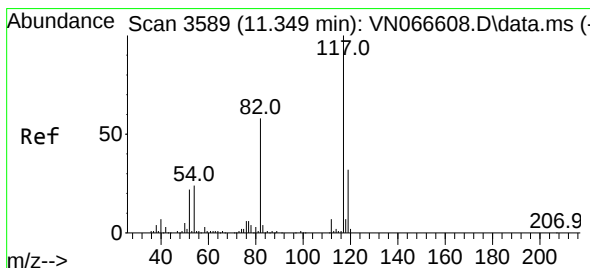
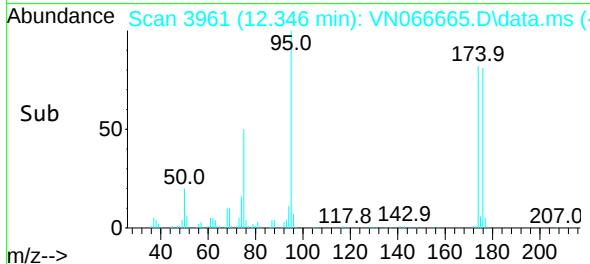
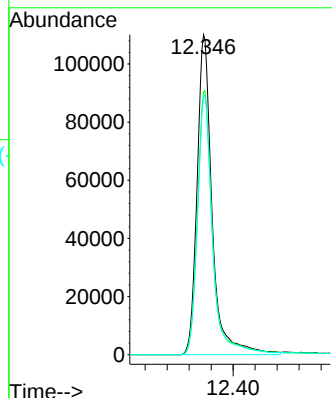
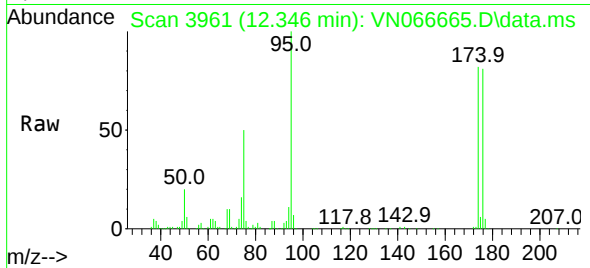




#62
4-Bromofluorobenzene
Concen: 48.39 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

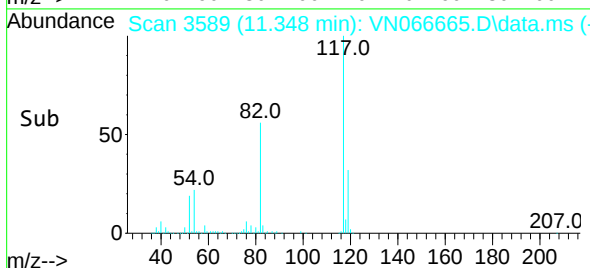
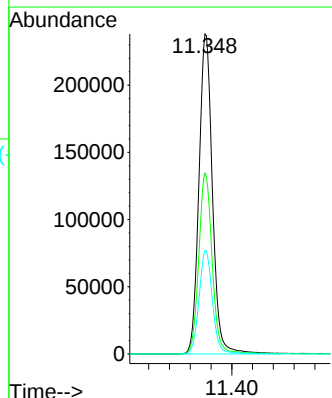
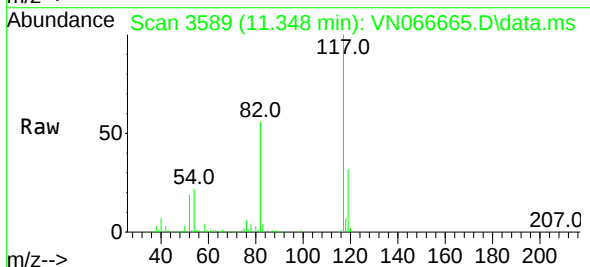
Instrument :
MSVOA_N
ClientSampleId :

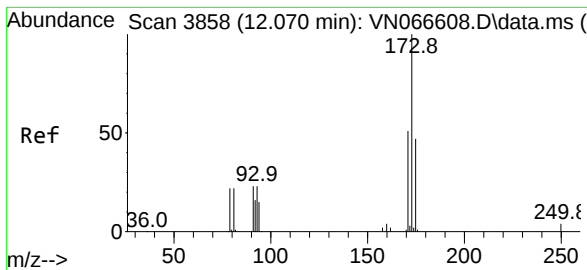
Tgt Ion: 95 Resp: 209453
Ion Ratio Lower Upper
95 100
174 83.2 0.0 169.0
176 81.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

Tgt Ion: 117 Resp: 429954
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 32.3 26.1 39.1

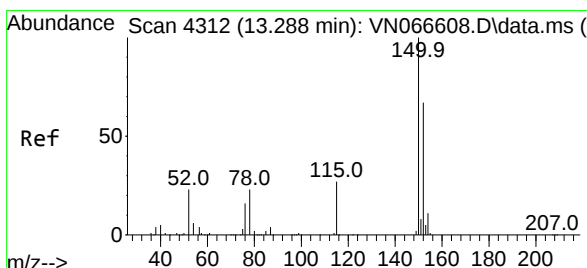
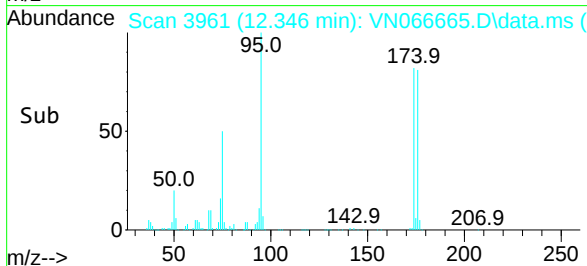
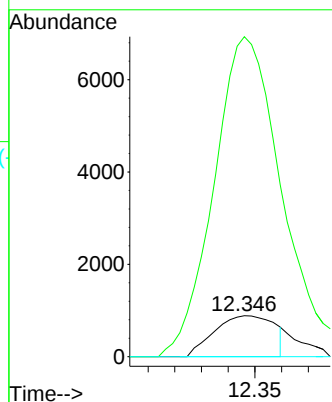
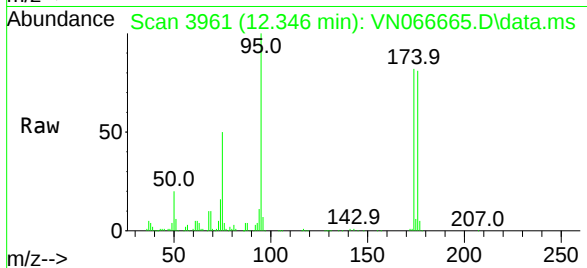




#71
Bromoform
Concen: 0.54 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

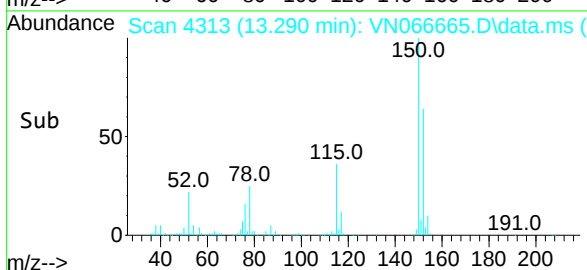
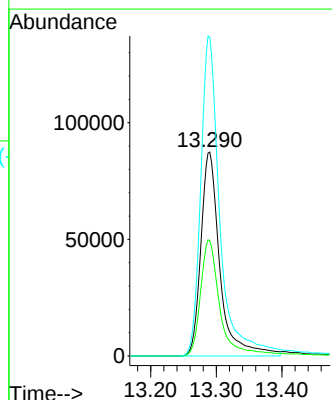
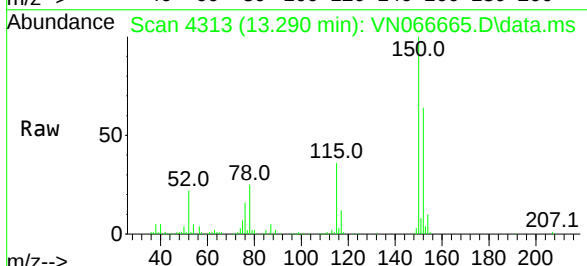
Instrument :
MSVOA_N
ClientSampled :

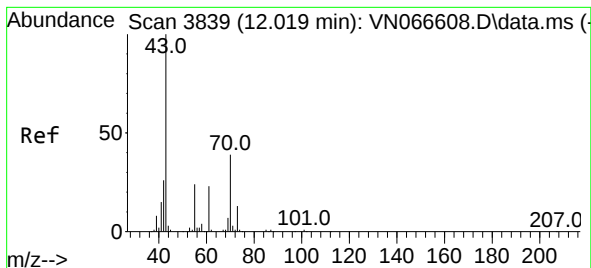
Tgt Ion:173 Resp: 1392
Ion Ratio Lower Upper
173 100
175 746.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

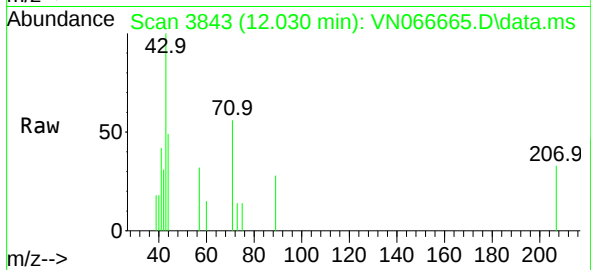
Tgt Ion:152 Resp: 176774
Ion Ratio Lower Upper
152 100
115 58.4 28.5 85.6
150 160.7 0.0 347.6



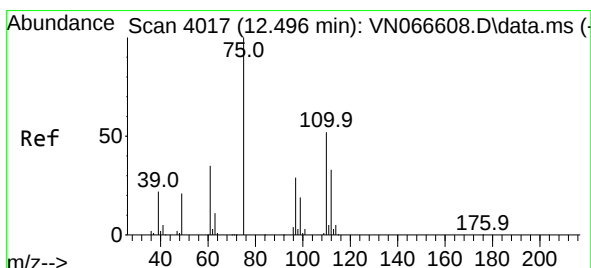
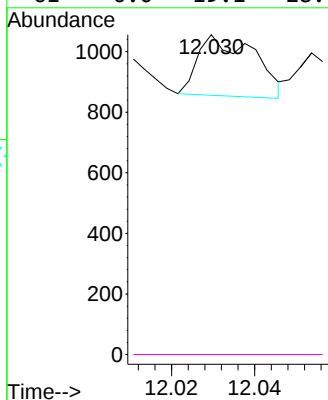
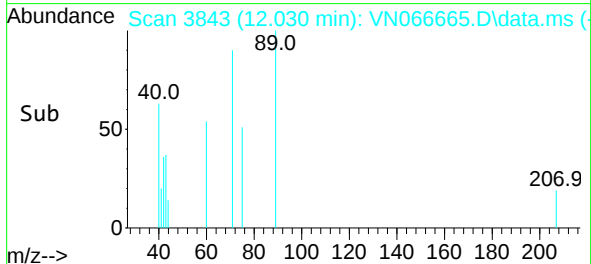


#74
N-amy1 acetate
Concen: 9.76 ug/l
RT: 12.030 min Scan# 3843
Delta R.T. 0.011 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17

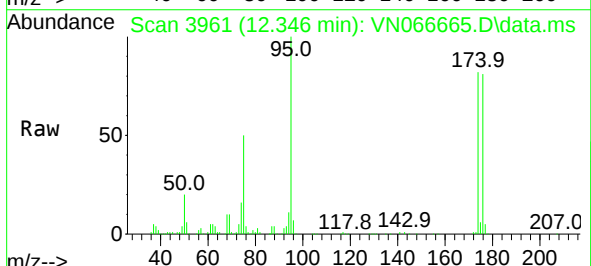
Instrument :
MSVOA_N
ClientSampleId :



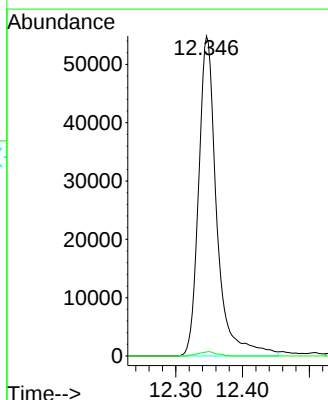
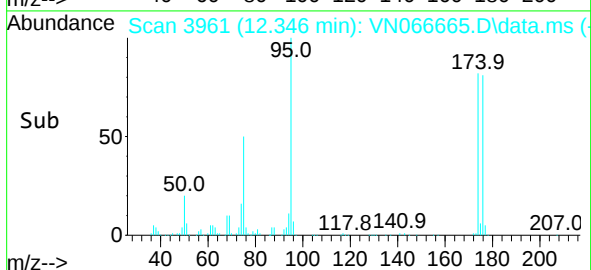
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#

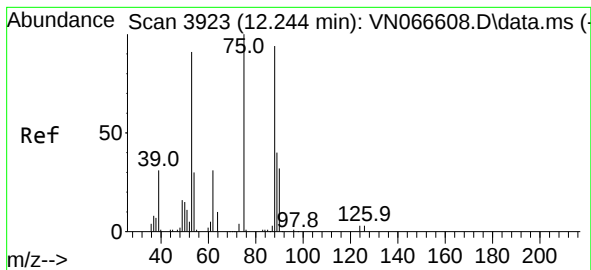


#76
1,2,3-Trichloropropane
Concen: 25.05 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066665.D
Acq: 19 Apr 2021 16:17



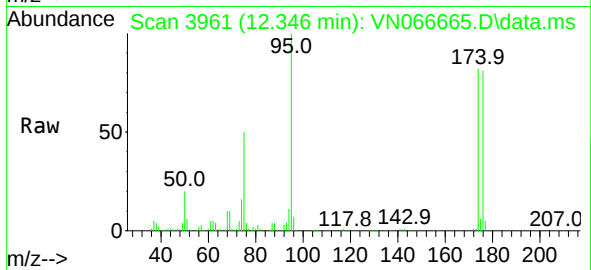
Tgt Ion: 75 Resp: 103548
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.35 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066665.D
 Acq: 19 Apr 2021 16:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 103548
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.1 35.8 53.8#

