

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066720.D
 Acq On : 22 Apr 2021 17:24
 Operator : JC/MD
 Sample : M2090-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:36:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

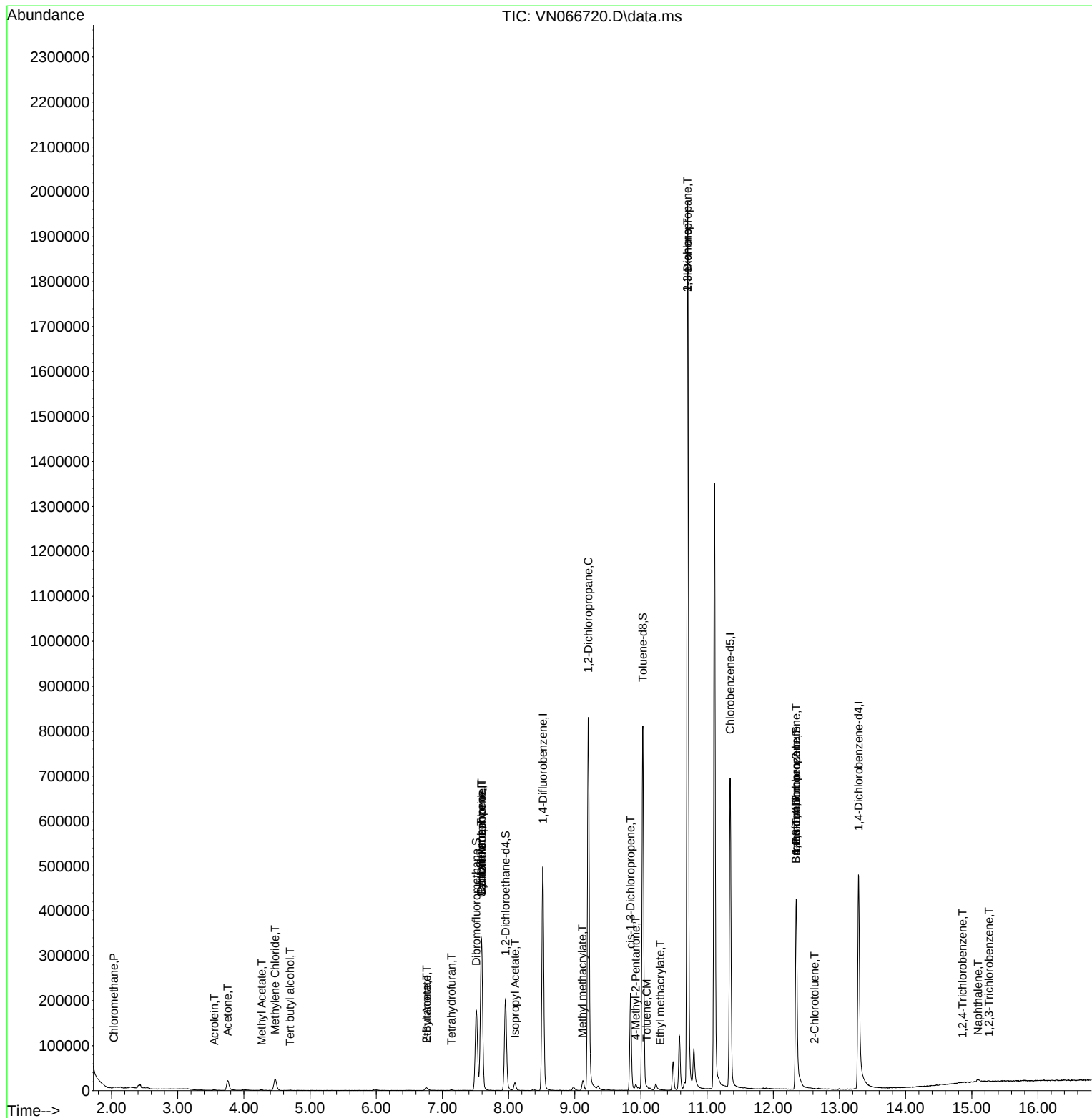
Internal Standards						
1) Pentafluorobenzene	7.591	168	299441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	461624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	417394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	176636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	173925	47.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.08%		
35) Dibromofluoromethane	7.513	113	144130	49.86	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.72%		
50) Toluene-d8	10.029	98	569420	50.51	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.02%		
62) 4-Bromofluorobenzene	12.346	95	180047	46.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.26%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1359	0.28	ug/l	90
11) Tert butyl alcohol	4.697	59	737	1.59	ug/l #	73
13) Acrolein	3.552	56	818	1.60	ug/l #	57
16) Acetone	3.756	43	38903	28.41	ug/l	97
18) Methyl Acetate	4.271	43	2733	0.72	ug/l #	73
20) Methylene Chloride	4.472	84	19347	4.75	ug/l	96
25) 2-Butanone	6.760	43	13488	6.87	ug/l	99
29) Tetrahydrofuran	7.135	42	1098	0.81	ug/l #	67
31) Cyclohexane	7.588	56	5442	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21374	4.98	ug/l #	48
37) Ethyl Acetate	6.760	43	13488	2.99	ug/l #	68
38) Carbon Tetrachloride	7.594	117	25902	6.34	ug/l #	17
43) Isopropyl Acetate	8.098	43	21945	3.05	ug/l #	87
45) 1,2-Dichloropropane	9.206	63	1036	0.28	ug/l #	44
48) Methyl methacrylate	9.114	41	6106	1.93	ug/l #	19
51) 4-Methyl-2-Pentanone	9.922	43	10123	2.51	ug/l	91
52) Toluene	10.088	92	1626	0.20	ug/l	89
54) cis-1,3-Dichloropropene	9.844	75	40617	7.33	ug/l #	60
56) Ethyl methacrylate	10.292	69	125	3.17	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	20275	3.75	ug/l #	43
59) 2-Hexanone	10.705	43	287888	105.55	ug/l #	50
71) Bromoform	12.344	173	1109	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	87981	23.28	ug/l #	100
79) 2-Chlorotoluene	12.622	91	77	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	87981	68.94	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.859	180	109	2.03	ug/l #	13
95) Naphthalene	15.095	128	8453	2.85	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.259	180	335	1.46	ug/l #	22

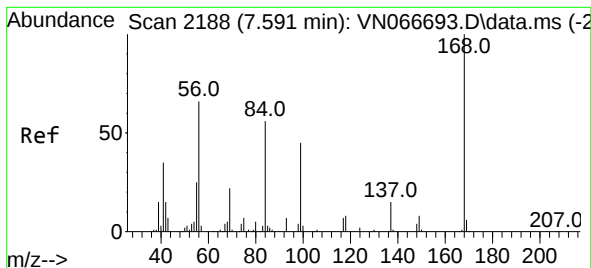
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN066720.D
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Instrument :
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Quant Time: Apr 23 06:36:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 22 08:25:55 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VN066720.D

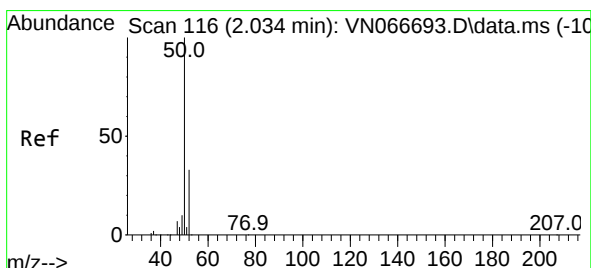
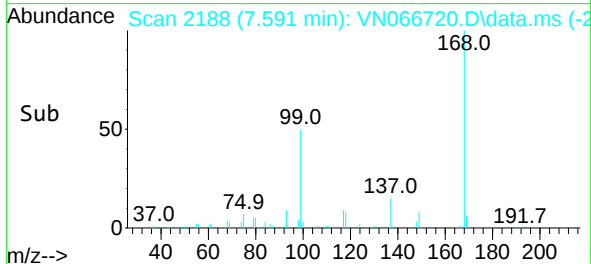
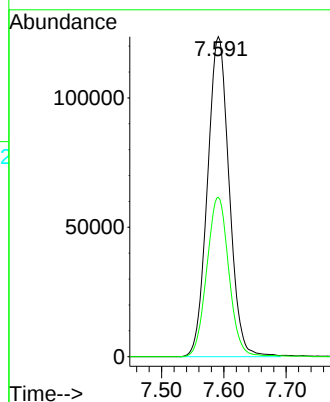
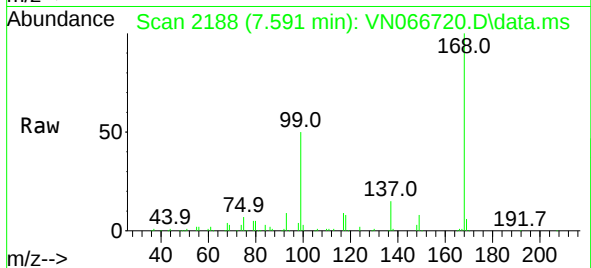
Acq: 22 Apr 2021 17:24

Tgt Ion:168 Resp: 299441

Ion Ratio Lower Upper

168 100

99 49.8 42.6 63.8



#3

Chloromethane

Concen: 0.28 ug/l

RT: 2.037 min Scan# 117

Delta R.T. 0.003 min

Lab File: VN066720.D

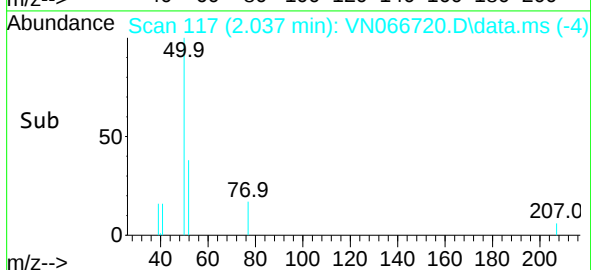
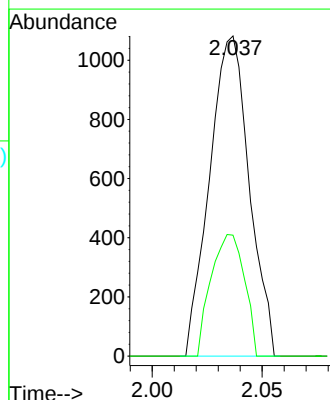
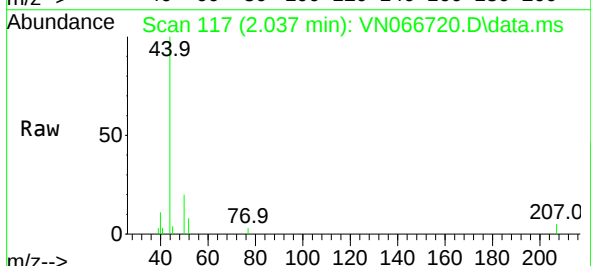
Acq: 22 Apr 2021 17:24

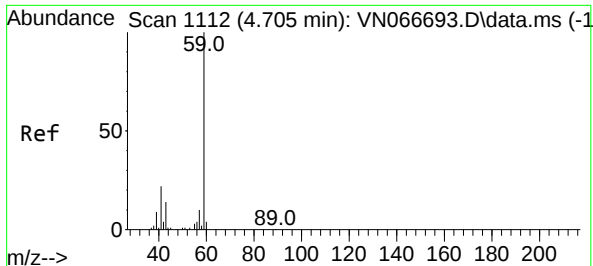
Tgt Ion: 50 Resp: 1359

Ion Ratio Lower Upper

50 100

52 37.8 25.8 38.8



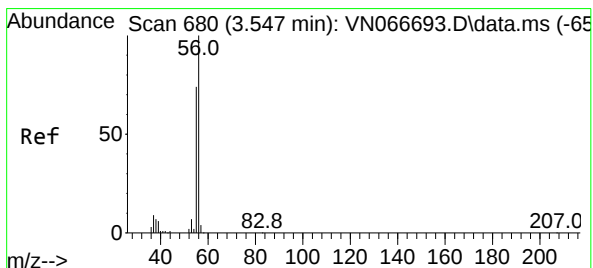
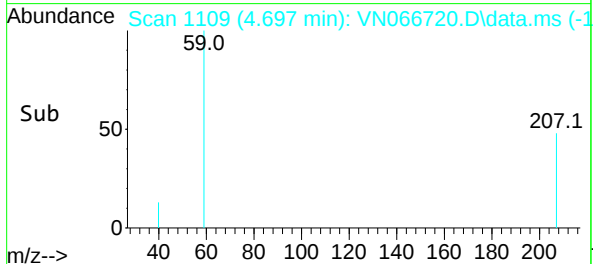
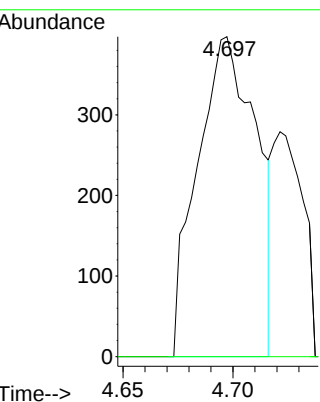
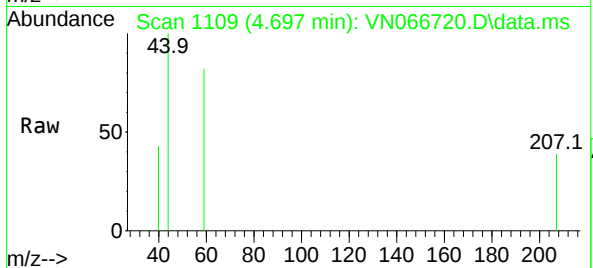


#11

Tert butyl alcohol
Concen: 1.59 ug/l
RT: 4.697 min Scan# 1109
Delta R.T. -0.008 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

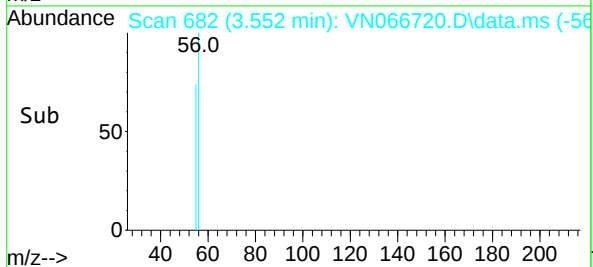
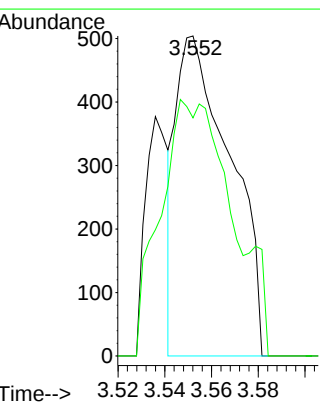
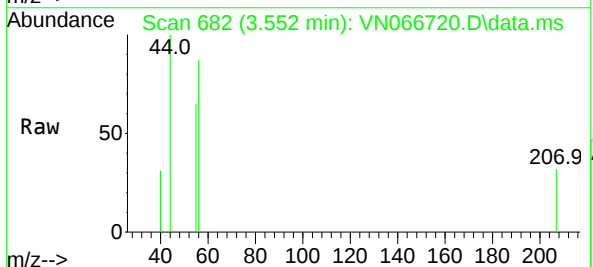
Tgt Ion: 59 Resp: 737
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

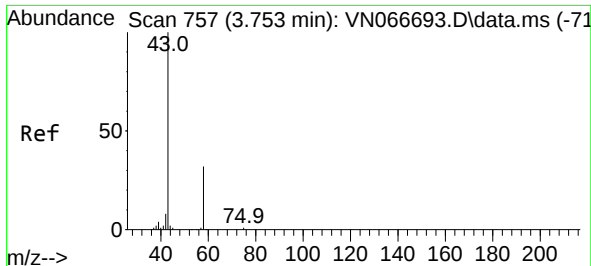


#13

Acrolein
Concen: 1.60 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 56 Resp: 818
Ion Ratio Lower Upper
56 100
55 105.3 56.0 84.0#

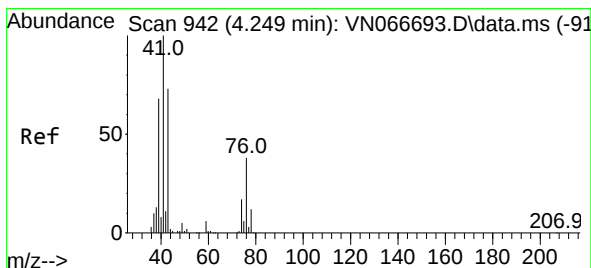
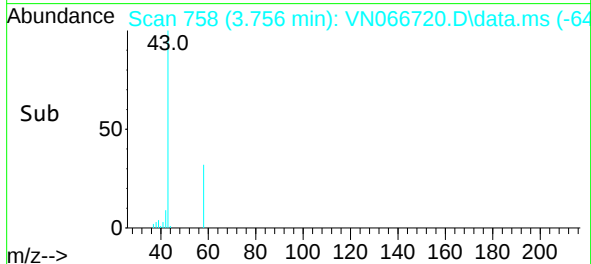
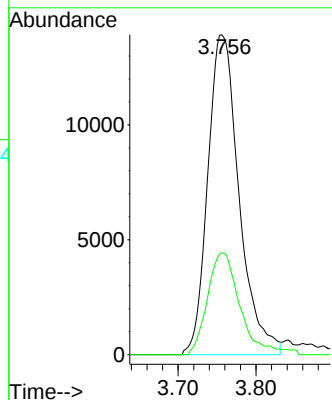
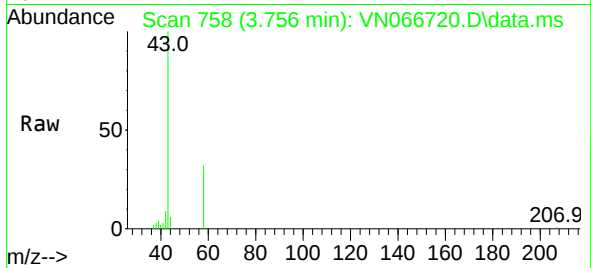




#16
Acetone
Concen: 28.41 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

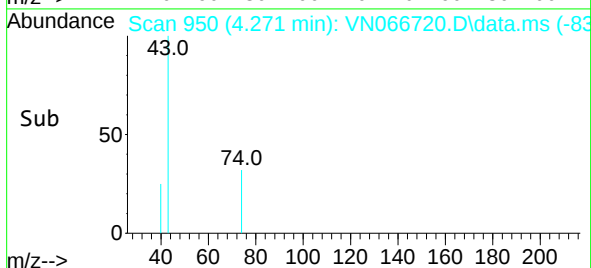
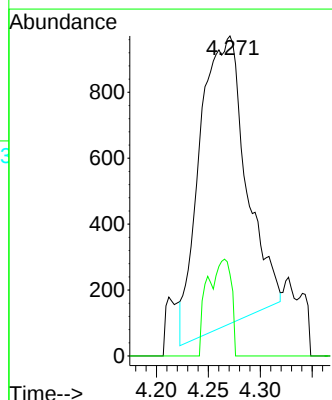
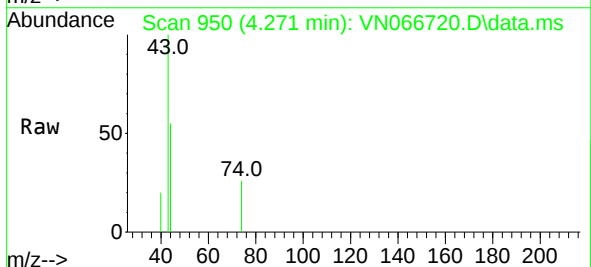
Instrument :
MSVOA_N
ClientSampled :

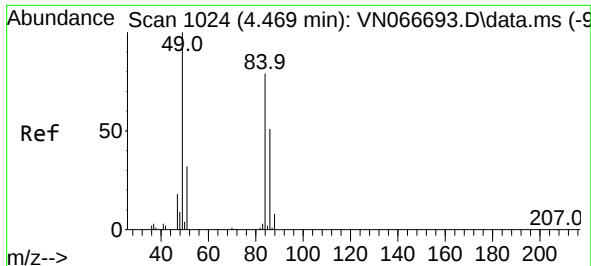
Tgt Ion: 43 Resp: 38903
Ion Ratio Lower Upper
43 100
58 31.8 27.0 40.6



#18
Methyl Acetate
Concen: 0.72 ug/l
RT: 4.271 min Scan# 950
Delta R.T. 0.022 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

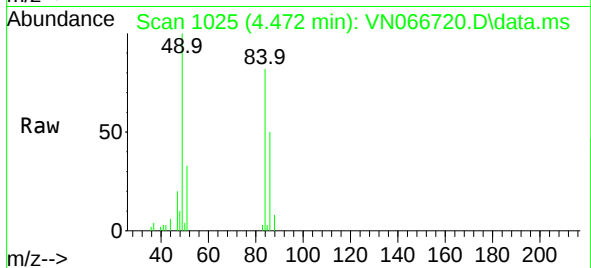
Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
74 10.8 19.5 29.3#



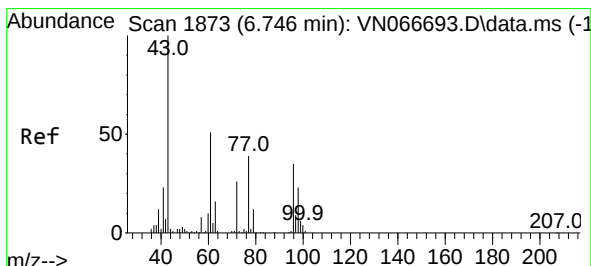
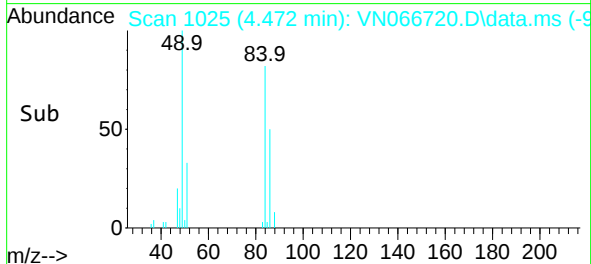
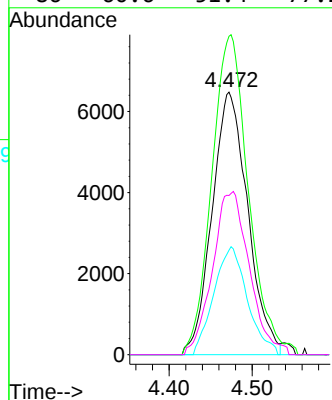


#20
Methylene Chloride
Concen: 4.75 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampleId :

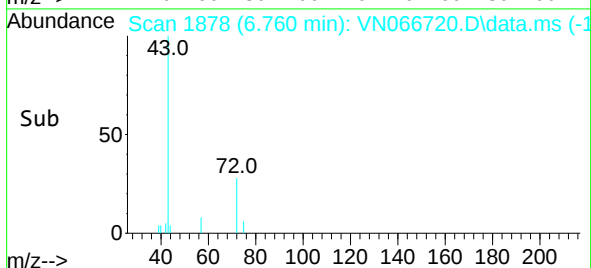
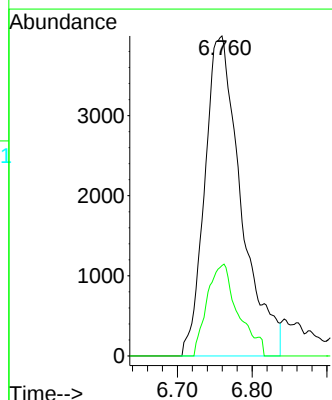
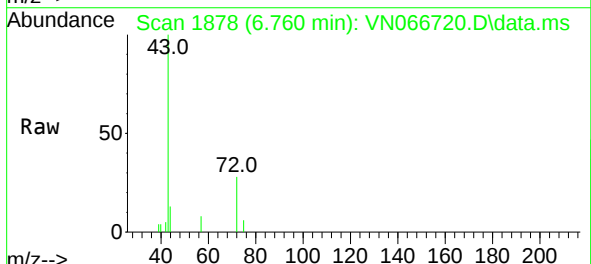


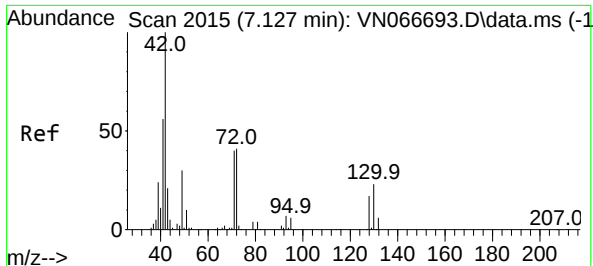
Tgt Ion: 84	Resp: 19347
Ion Ratio	Lower Upper
84	100
49	121.3 94.6 141.8
51	39.8 29.9 44.9
86	60.6 51.4 77.2



#25
2-Butanone
Concen: 6.87 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 43	Resp: 13488
Ion Ratio	Lower Upper
43	100
72	28.2 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.81 ug/l

RT: 7.135 min Scan# 2018

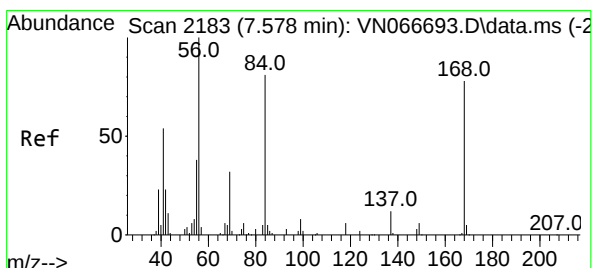
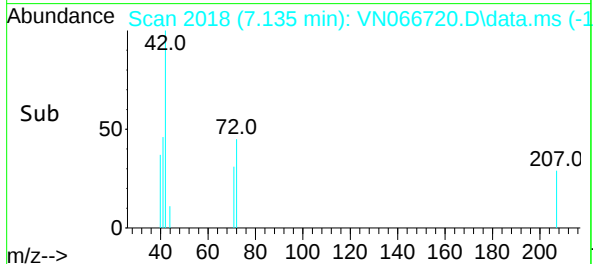
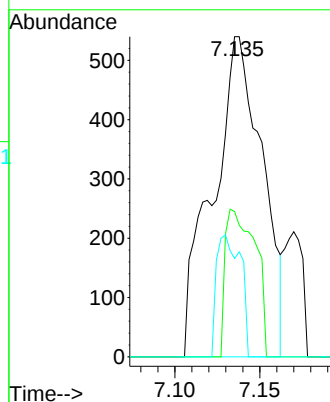
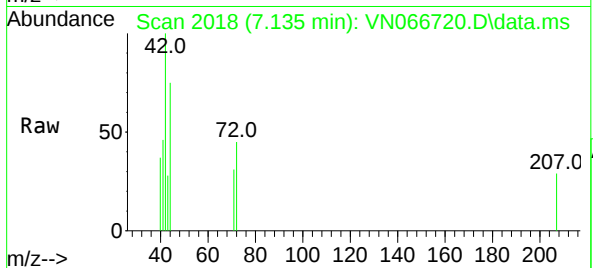
Delta R.T. 0.008 min

Lab File: VN066720.D

Acq: 22 Apr 2021 17:24

Tgt Ion:	42	Resp:	1098
Ion	Ratio	Lower	Upper
42	100		
72	27.8	36.6	55.0#
71	18.4	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.91 ug/l

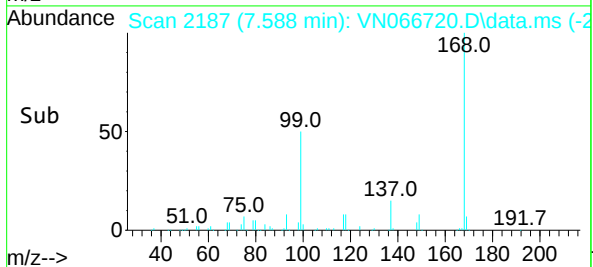
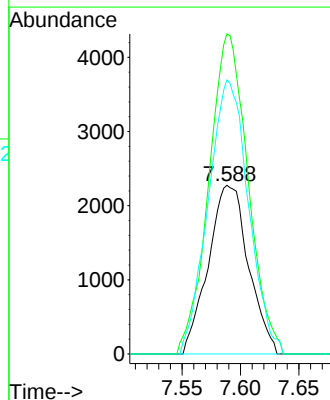
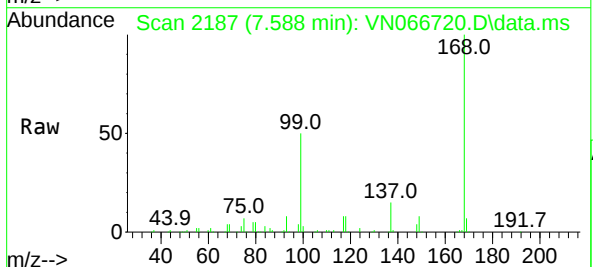
RT: 7.588 min Scan# 2187

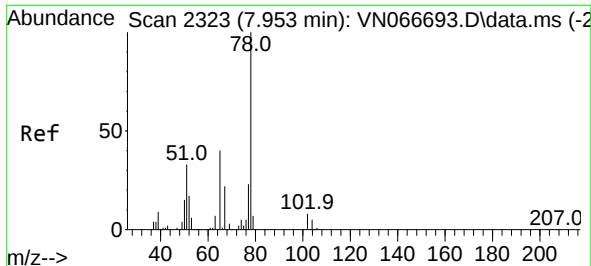
Delta R.T. 0.010 min

Lab File: VN066720.D

Acq: 22 Apr 2021 17:24

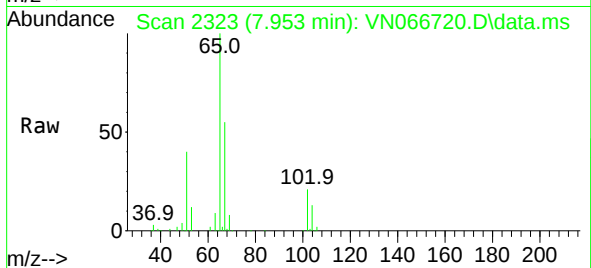
Tgt Ion:	56	Resp:	5442
Ion	Ratio	Lower	Upper
56	100		
69	183.1	26.6	39.8#
84	162.6	70.4	105.6#



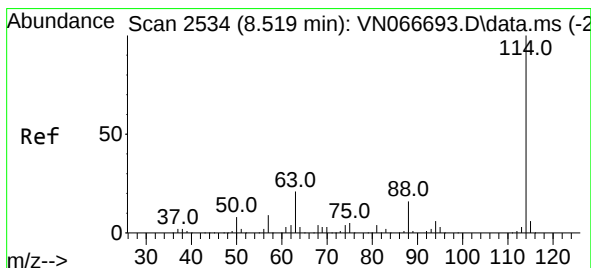
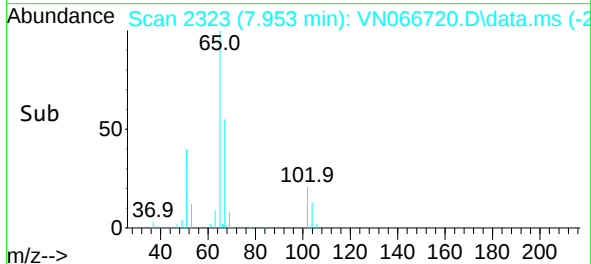
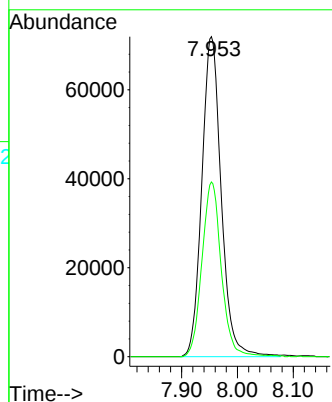


#33
 1,2-Dichloroethane-d4
 Concen: 47.54 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066720.D
 Acq: 22 Apr 2021 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

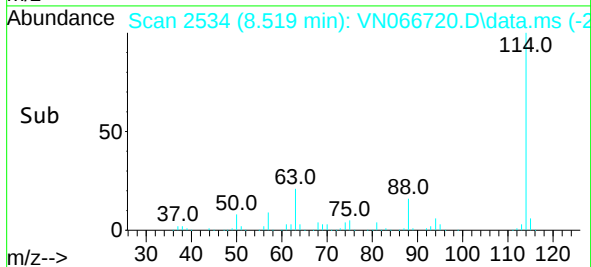
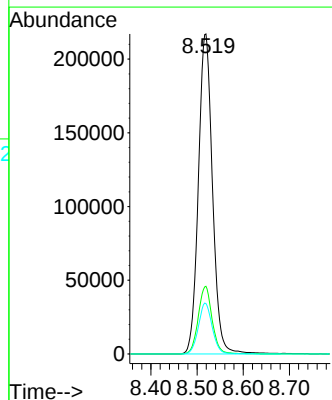
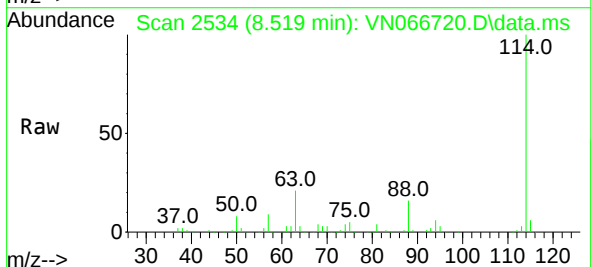


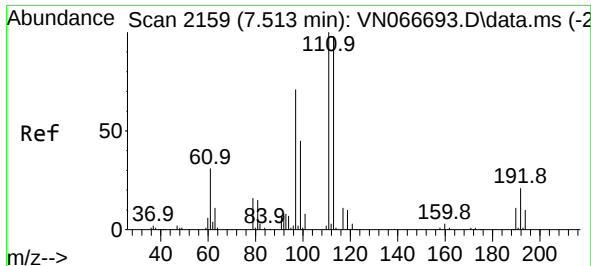
Tgt Ion: 65 Resp: 173925
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066720.D
 Acq: 22 Apr 2021 17:24

Tgt Ion: 114 Resp: 461624
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.6
 88 15.8 0.0 30.6

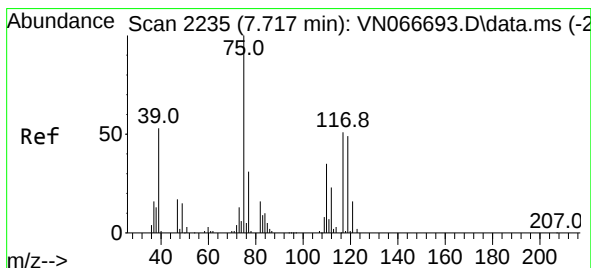
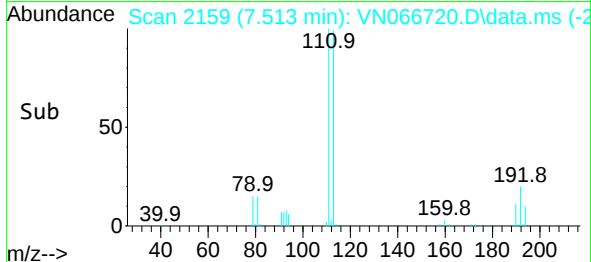
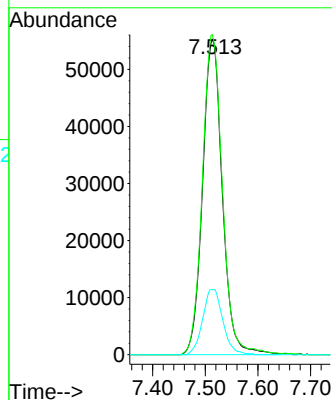
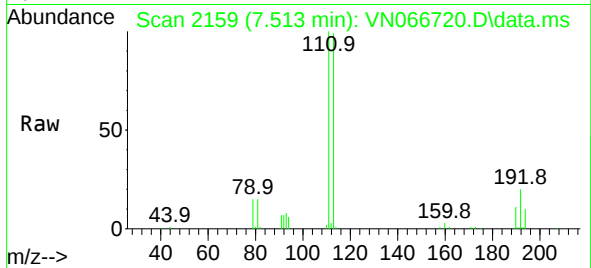




#35
Dibromofluoromethane
Concen: 49.86 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

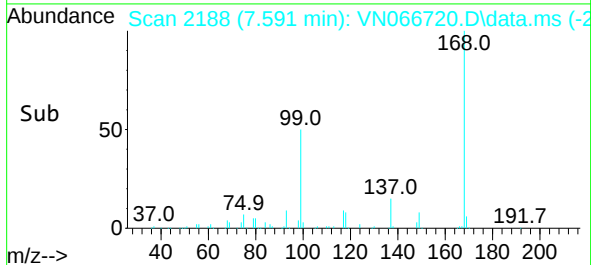
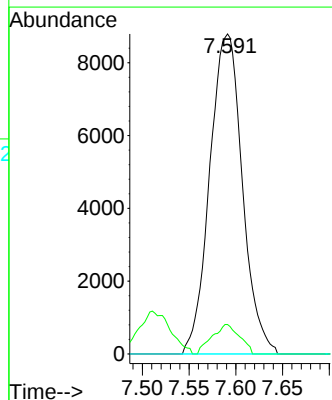
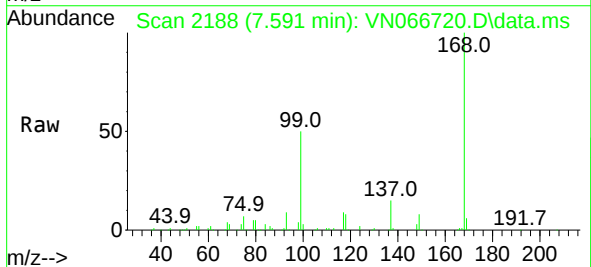
Instrument :
MSVOA_N
ClientSampled :

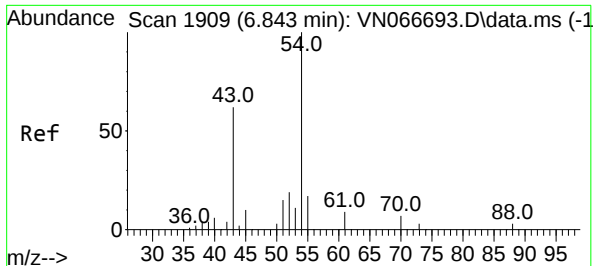
Tgt Ion:113 Resp: 144130
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 21.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 75 Resp: 21374
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.99 ug/l

RT: 6.760 min Scan# 1878

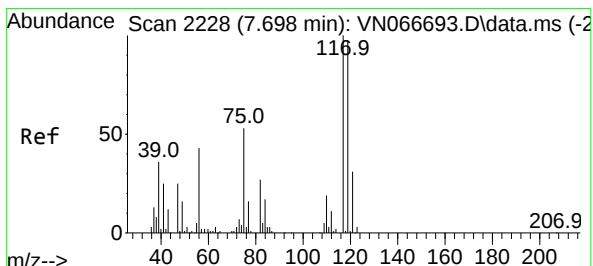
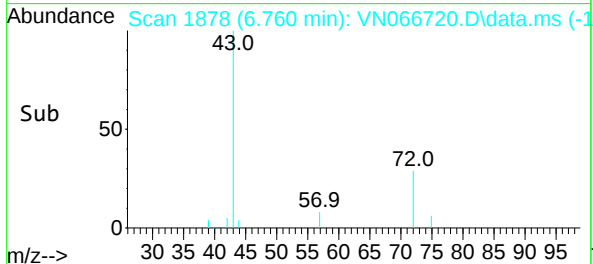
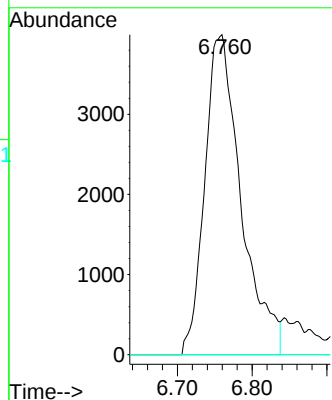
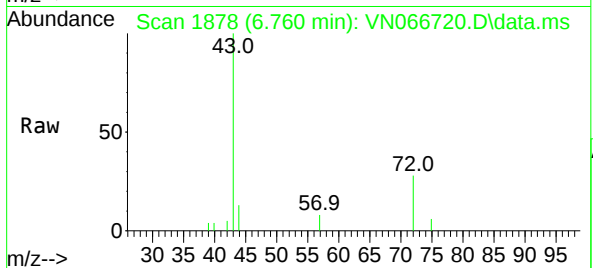
Delta R.T. -0.083 min

Lab File: VN066720.D

Acq: 22 Apr 2021 17:24

Tgt Ion:	43	Resp:	13488
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: 6.34 ug/l

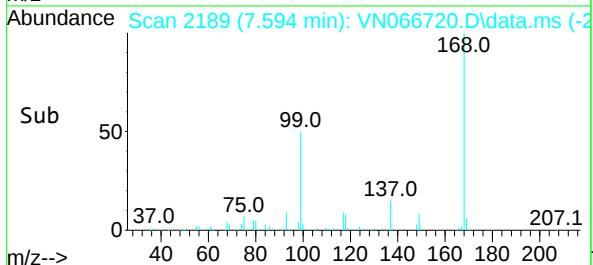
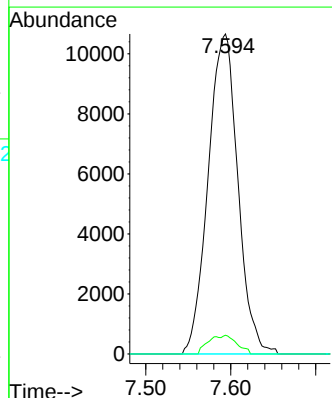
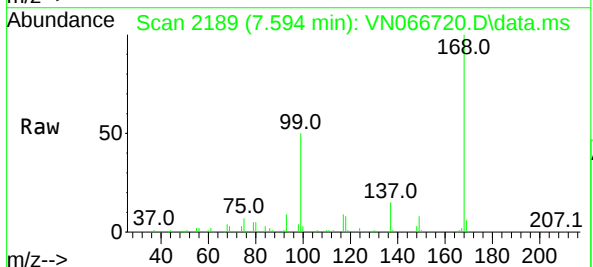
RT: 7.594 min Scan# 2189

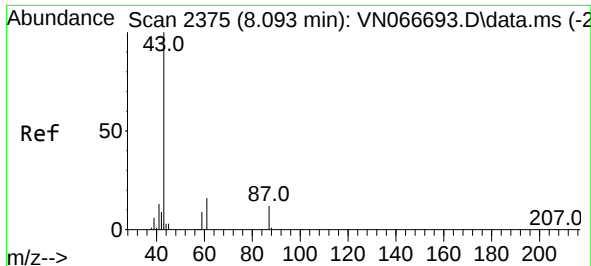
Delta R.T. -0.104 min

Lab File: VN066720.D

Acq: 22 Apr 2021 17:24

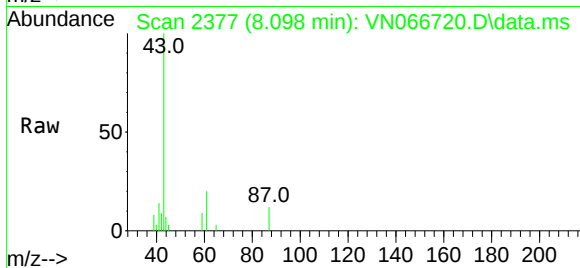
Tgt Ion:	117	Resp:	25902
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.0	24.5	36.7#



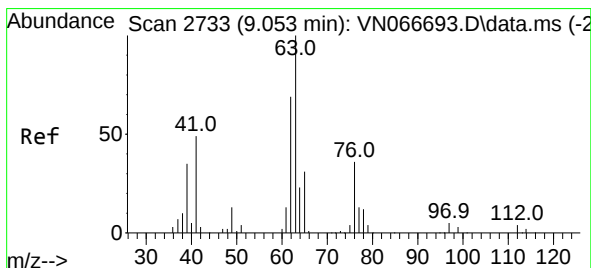
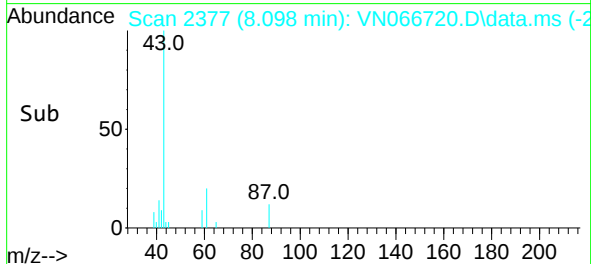
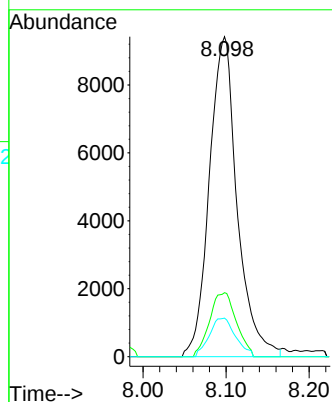


#43
Isopropyl Acetate
Concen: 3.05 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.005 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

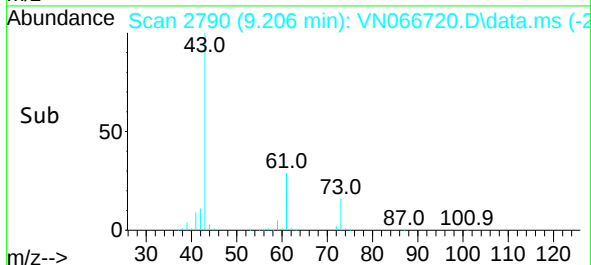
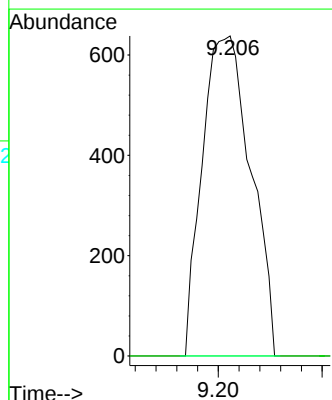
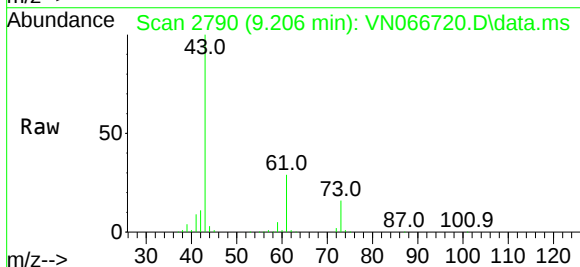


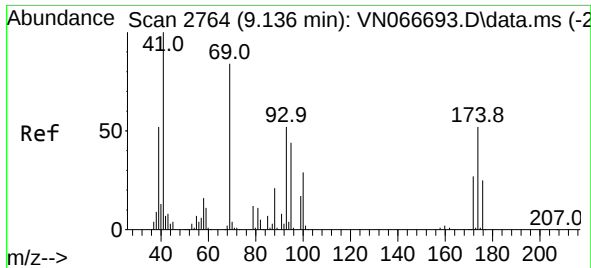
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	22.5	33.7#
87	11.3	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.28 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

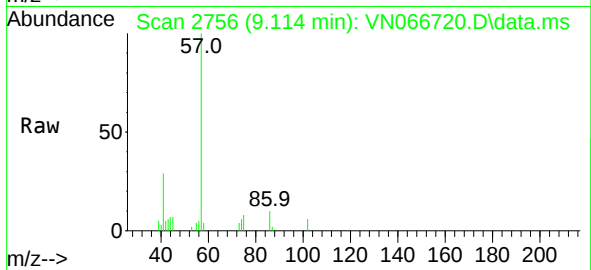
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



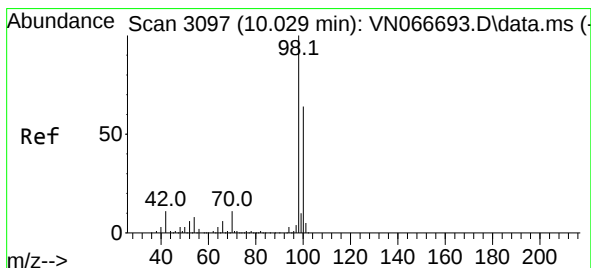
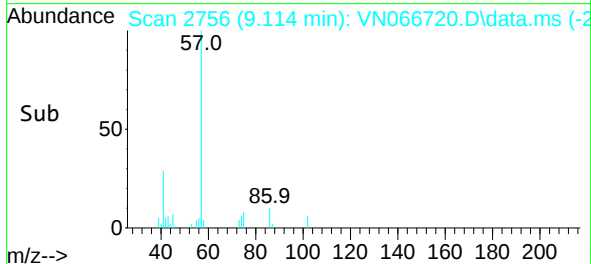
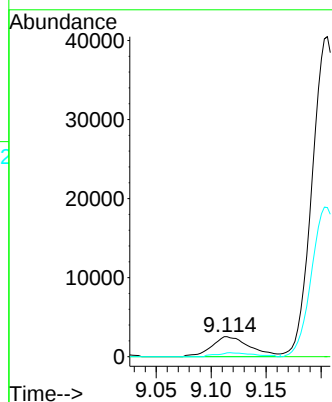


#48
Methyl methacrylate
Concen: 1.93 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

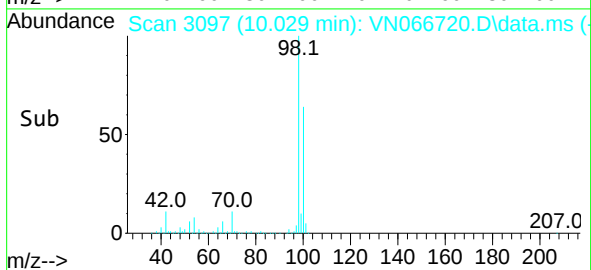
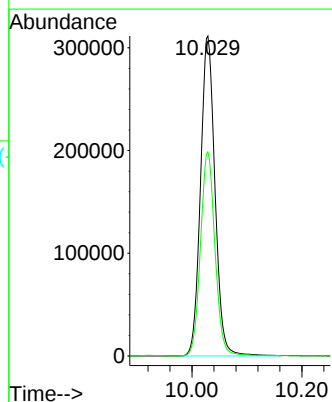
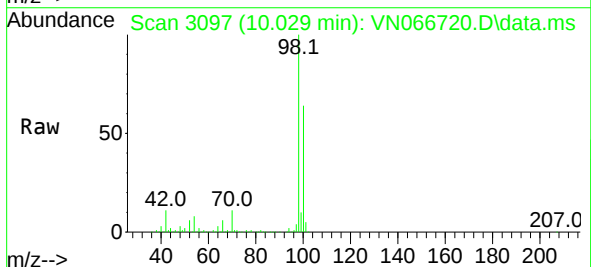


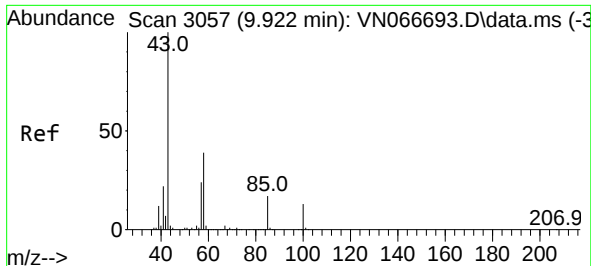
Tgt Ion: 41 Resp: 6106
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 18.9 46.6 69.8#



#50
Toluene-d8
Concen: 50.51 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 98 Resp: 569420
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

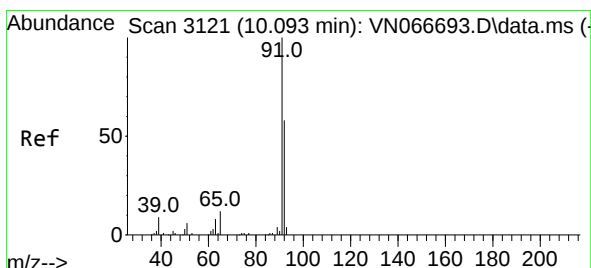
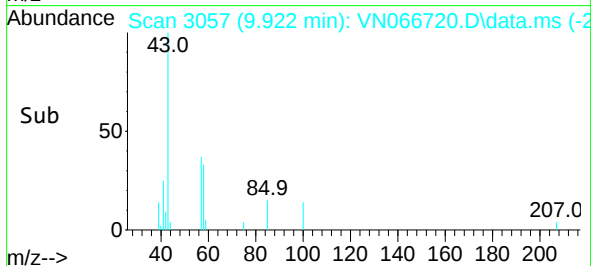
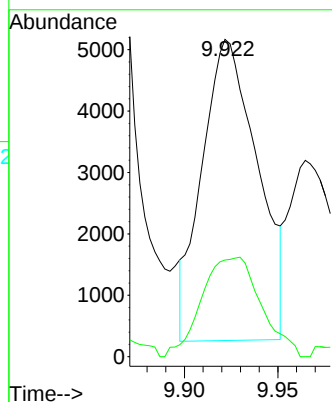
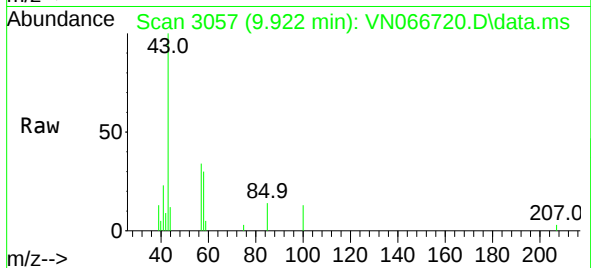




#51
4-Methyl-2-Pentanone
Concen: 2.51 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

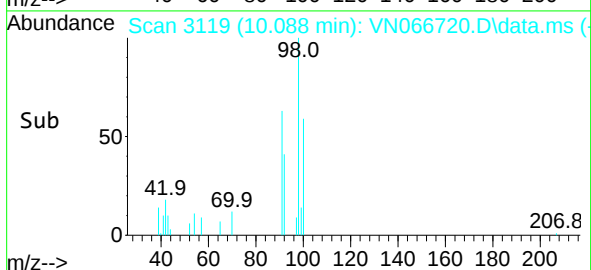
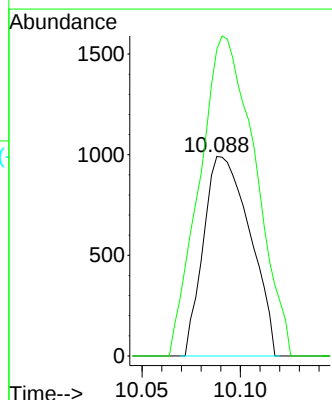
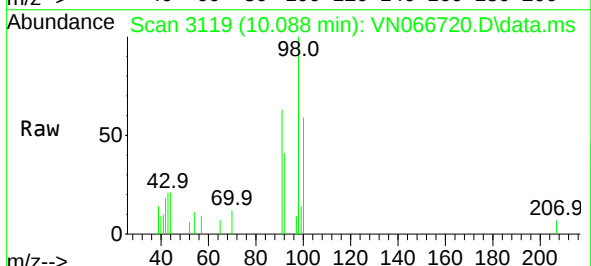
Instrument :
MSVOA_N
ClientSampleId :

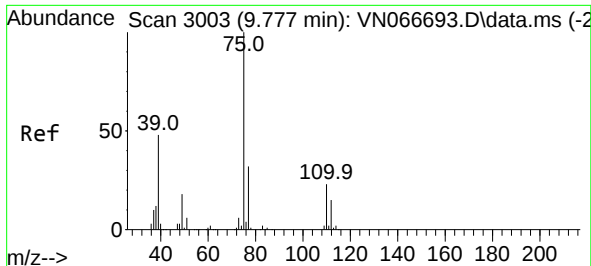
Tgt Ion: 43 Resp: 10123
Ion Ratio Lower Upper
43 100
58 35.2 32.5 48.7



#52
Toluene
Concen: 0.20 ug/l
RT: 10.088 min Scan# 3119
Delta R.T. -0.005 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

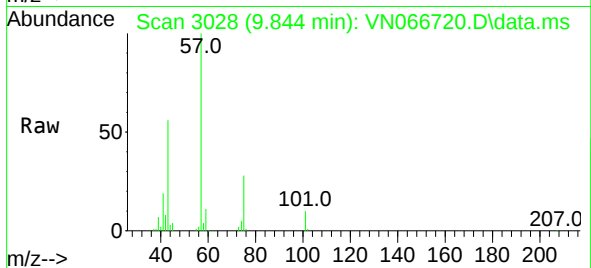
Tgt Ion: 92 Resp: 1626
Ion Ratio Lower Upper
92 100
91 191.5 140.7 211.1



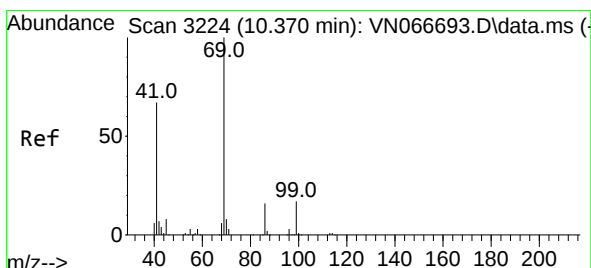
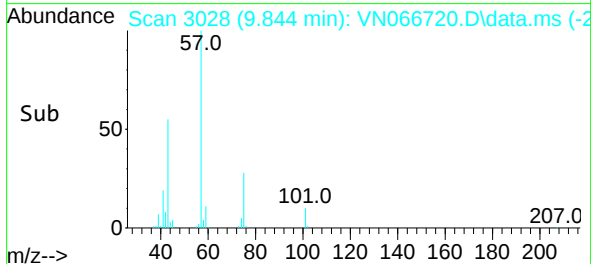
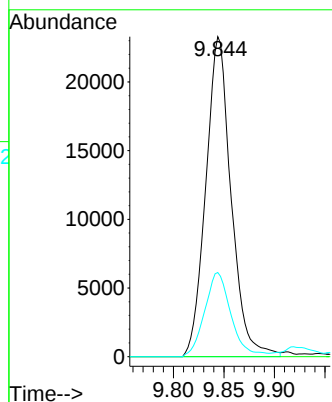


#54
cis-1,3-Dichloropropene
Concen: 7.33 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

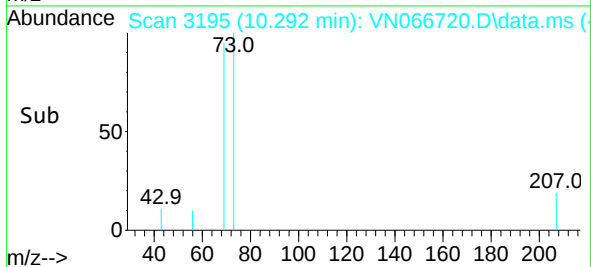
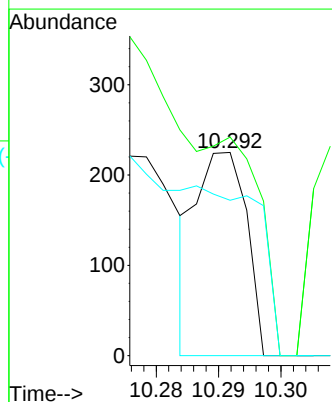
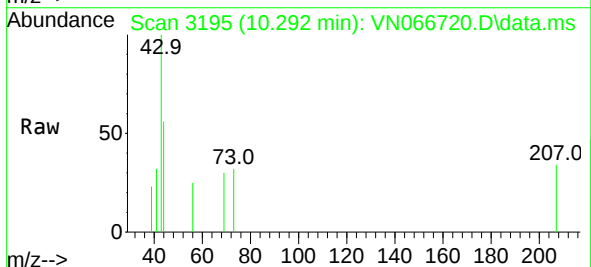


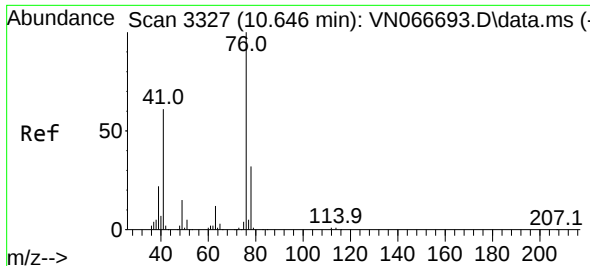
Tgt Ion: 75 Resp: 40617
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.3 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.17 ug/l
RT: 10.292 min Scan# 3195
Delta R.T. -0.078 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 69 Resp: 125
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

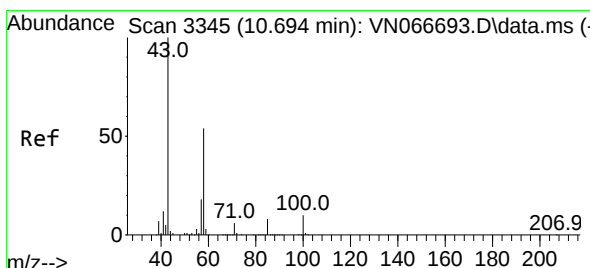
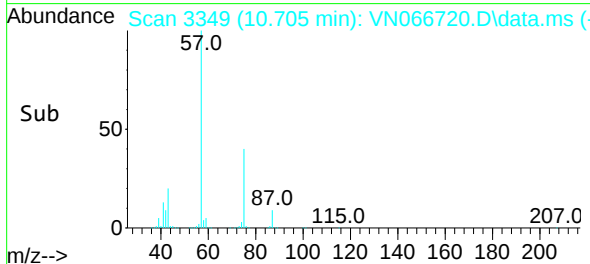
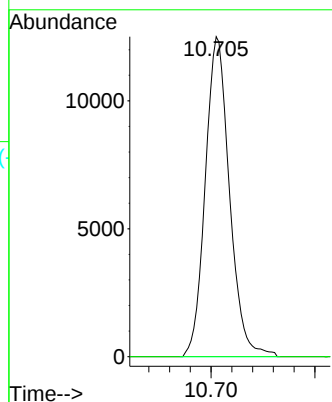
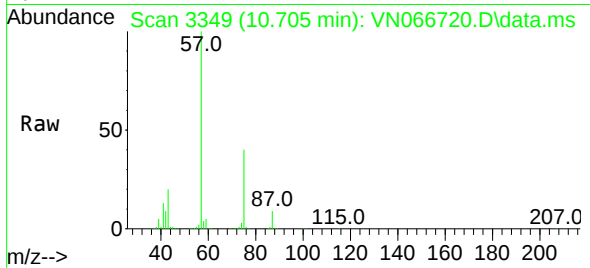




#57
1,3-Dichloropropane
Concen: 3.75 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

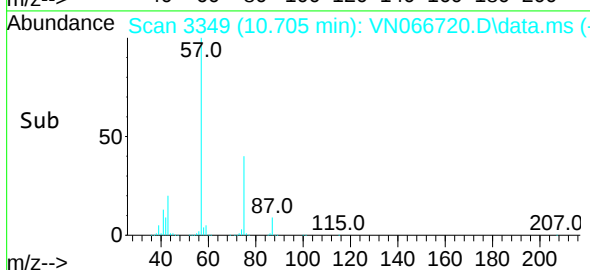
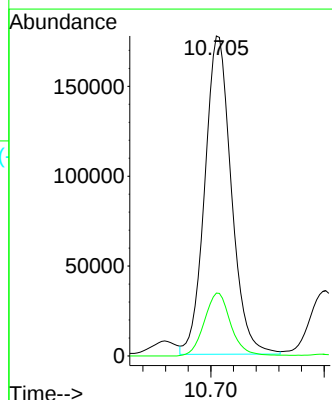
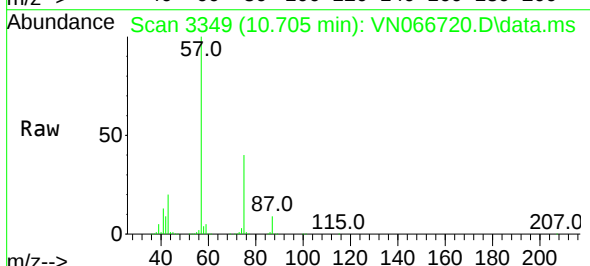
Instrument :
MSVOA_N
ClientSampled :

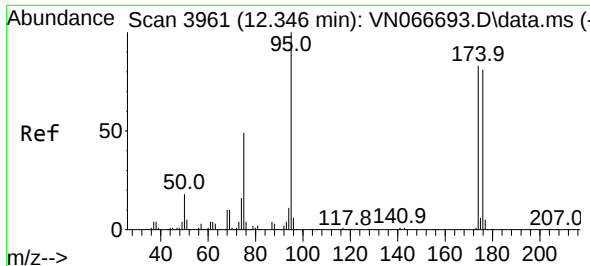
Tgt Ion: 76 Resp: 20275
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 105.55 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 43 Resp: 287888
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.3#

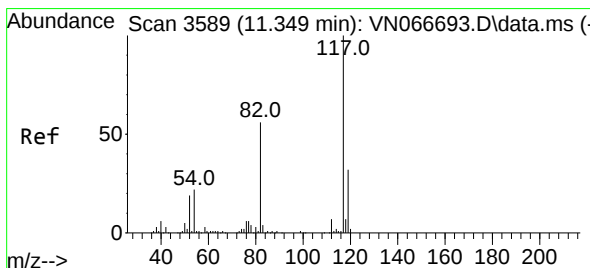
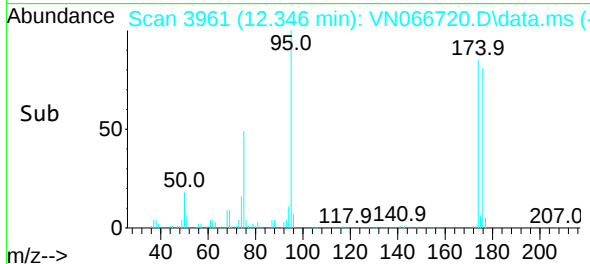
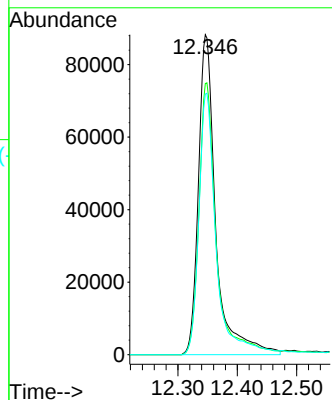
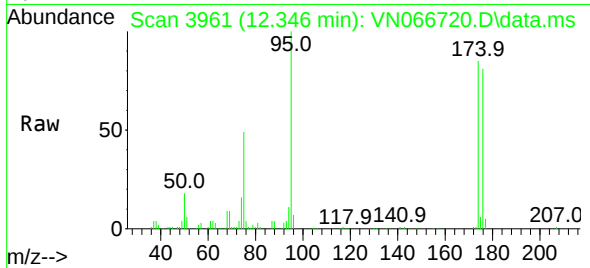




#62
4-Bromofluorobenzene
Concen: 46.63 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

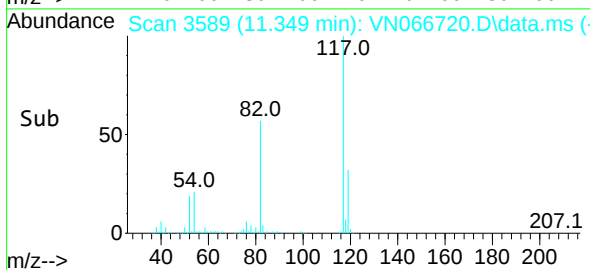
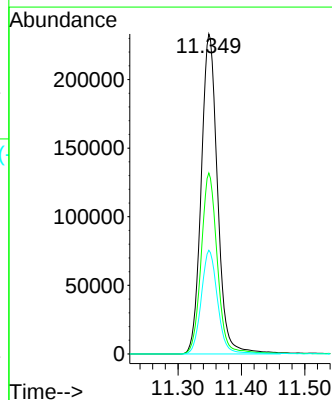
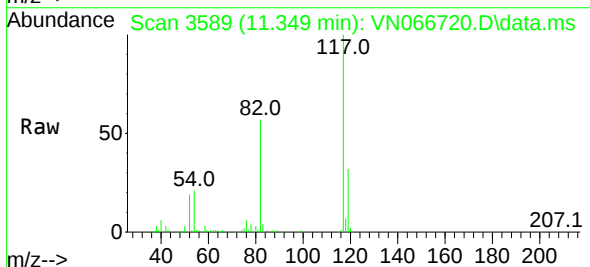
Instrument :
MSVOA_N
ClientSampleId :

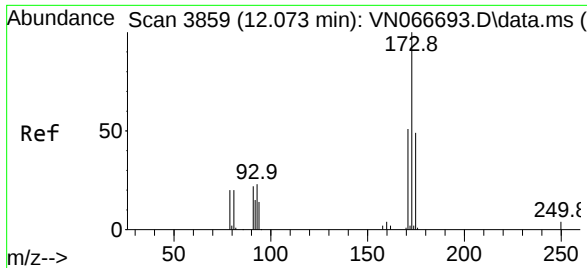
Tgt Ion: 95 Resp: 180047
Ion Ratio Lower Upper
95 100
174 84.7 0.0 169.0
176 81.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 117 Resp: 417394
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 32.4 26.1 39.1

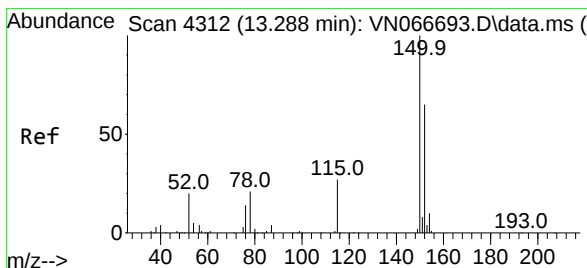
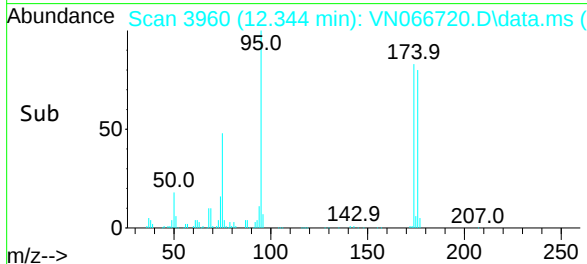
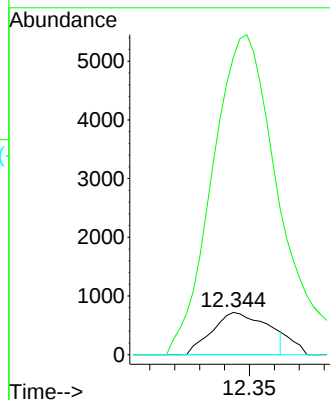
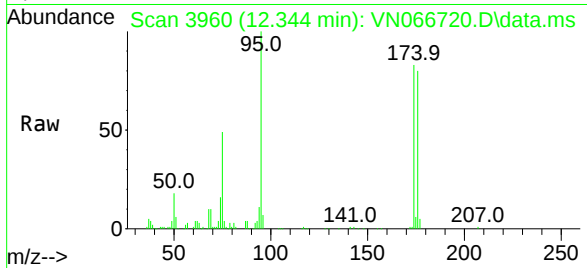




#71
Bromoform
Concen: 0.47 ug/l
RT: 12.344 min Scan# 3960
Delta R.T. 0.271 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

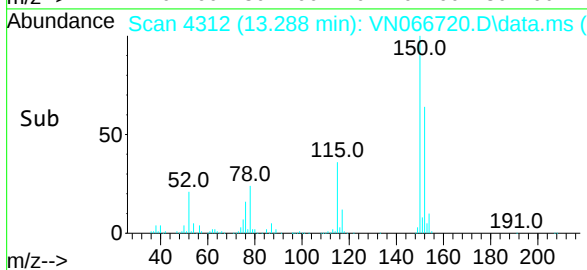
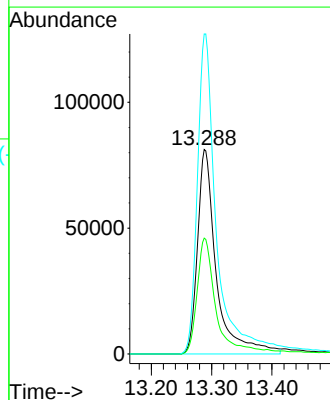
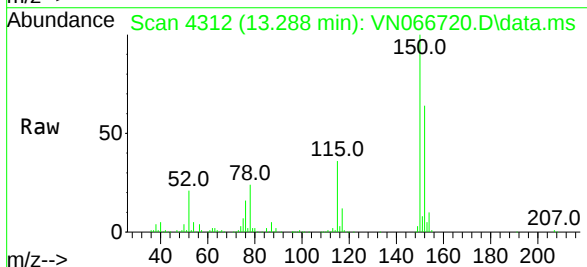
Instrument :
MSVOA_N
ClientSampleId :

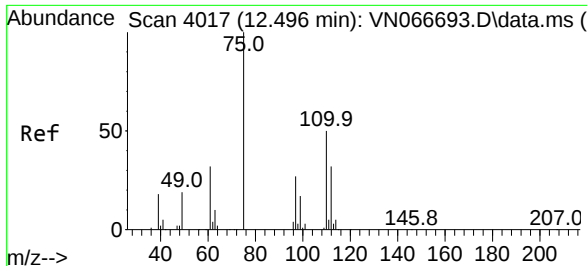
Tgt Ion:173 Resp: 1109
Ion Ratio Lower Upper
173 100
175 782.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion:152 Resp: 176636
Ion Ratio Lower Upper
152 100
115 55.9 28.5 85.6
150 162.3 0.0 347.6

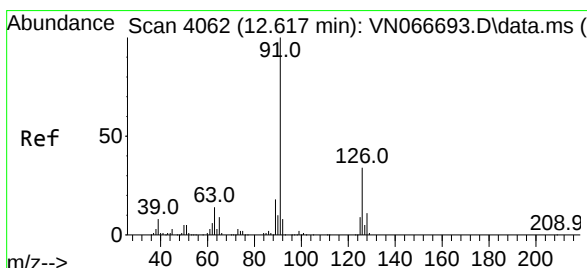
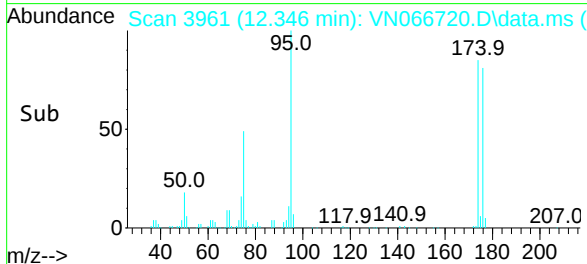
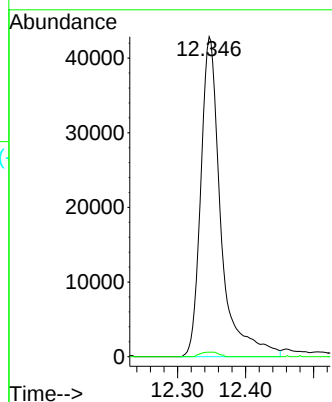
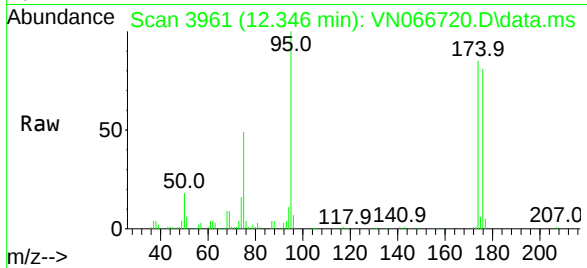




#76
1,2,3-Trichloropropane
Concen: 23.28 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

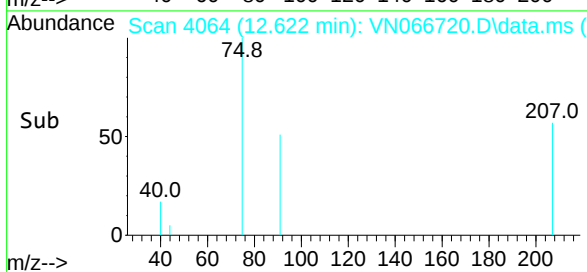
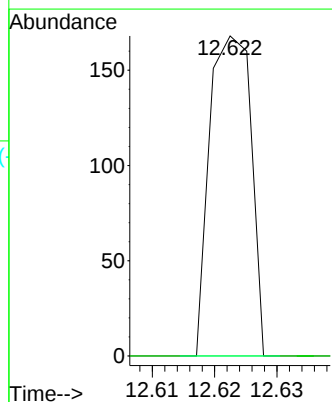
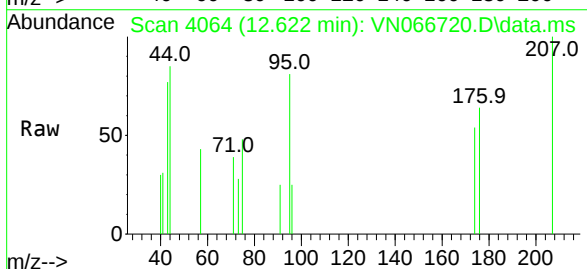
Instrument :
MSVOA_N
ClientSampleId :

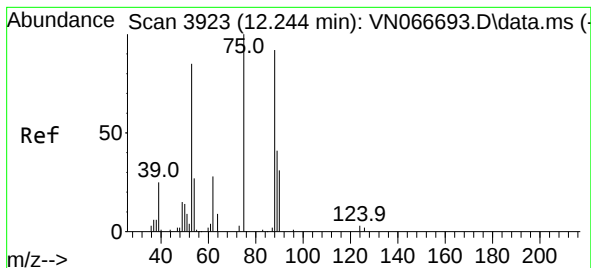
Tgt Ion: 75 Resp: 87981
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.622 min Scan# 4064
Delta R.T. 0.005 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion: 91 Resp: 77
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

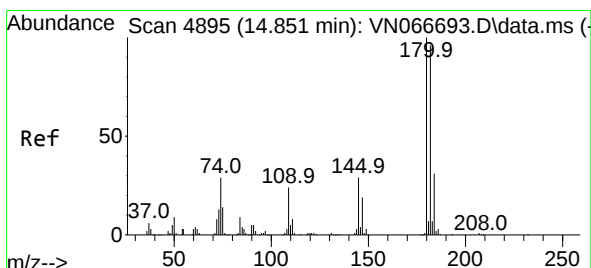
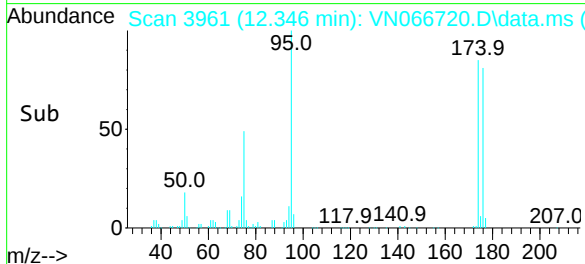
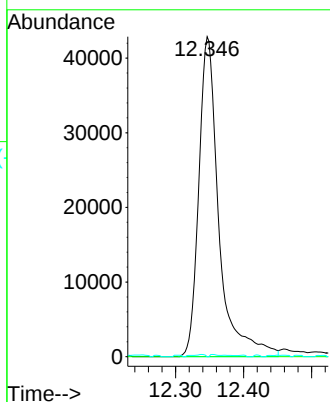
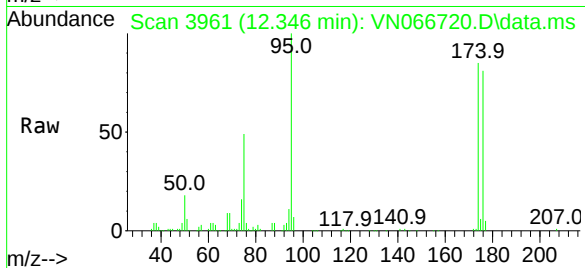




#81
trans-1,4-Dichloro-2-butene
Concen: 68.94 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

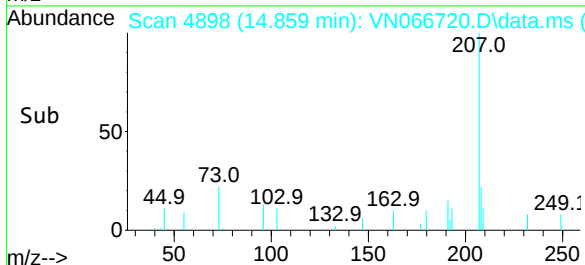
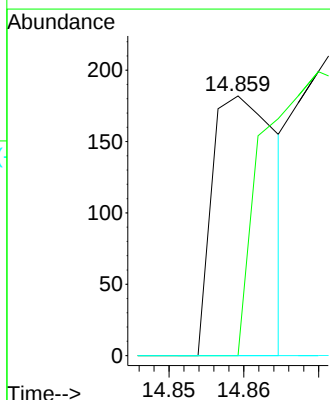
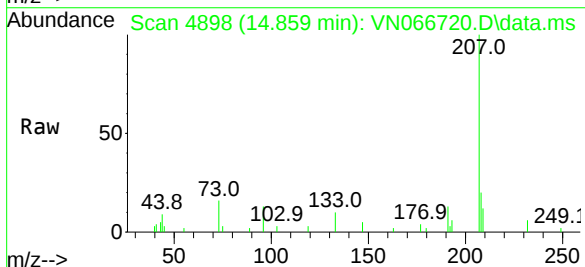
Instrument :
MSVOA_N
ClientSampleId :

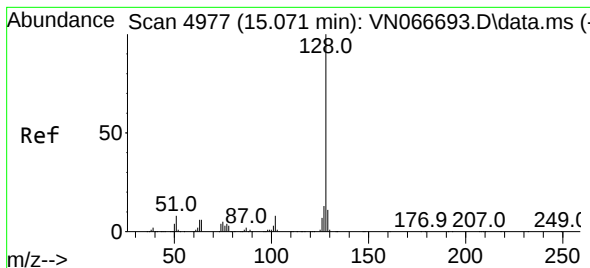
Tgt Ion: 75 Resp: 87981
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.03 ug/l
RT: 14.859 min Scan# 4898
Delta R.T. 0.008 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion:180 Resp: 109
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#

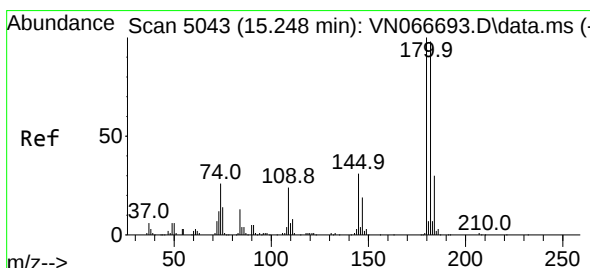
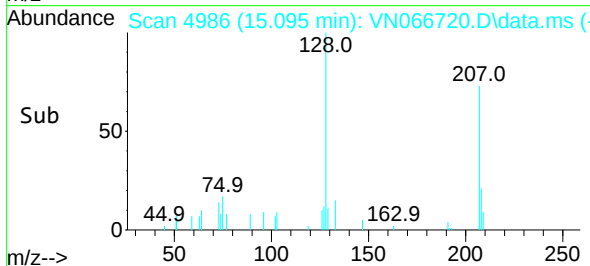
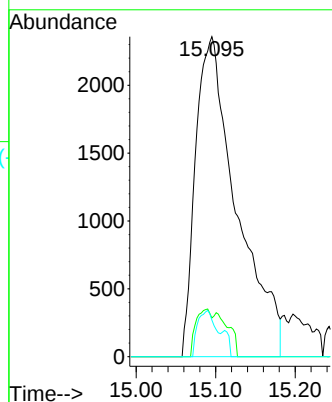
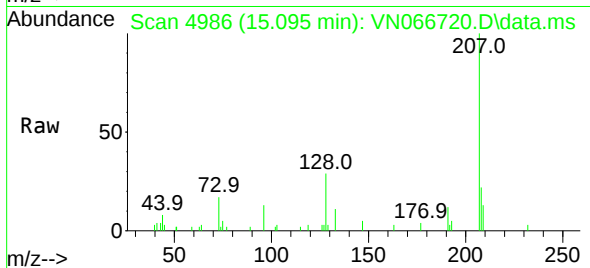




#95
Naphthalene
Concen: 2.85 ug/l
RT: 15.095 min Scan# 4986
Delta R.T. 0.024 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 8453
Ion Ratio Lower Upper
128 100
127 5.6 10.2 15.2#
129 6.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.46 ug/l
RT: 15.259 min Scan# 5047
Delta R.T. 0.011 min
Lab File: VN066720.D
Acq: 22 Apr 2021 17:24

Tgt Ion:180 Resp: 335
Ion Ratio Lower Upper
180 100
182 177.0 47.4 142.3#
145 0.0 16.5 49.5#

