

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066246.D
 Acq On : 18 Mar 2021 11:23
 Operator : JC/MD
 Sample : VN0318WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:22:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

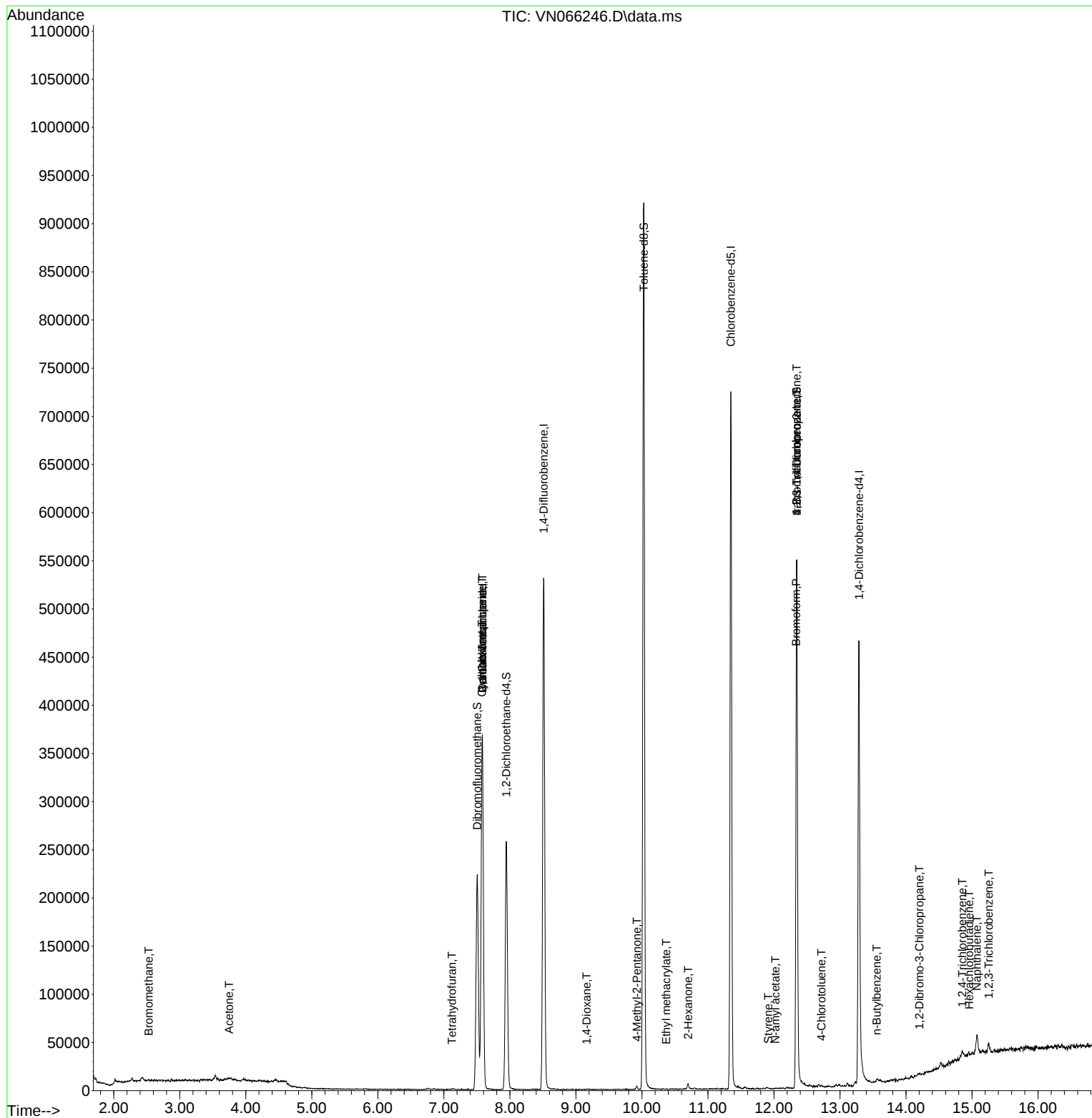
Internal Standards						
1) Pentafluorobenzene	7.585	168	329257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	484485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	422954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	138948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	214352	45.19	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.38%			
35) Dibromofluoromethane	7.507	113	171737	55.56	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.12%			
50) Toluene-d8	10.028	98	633249	52.99	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.98%			
62) 4-Bromofluorobenzene	12.345	95	190111	44.13	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.26%			
Target Compounds						Qvalue
5) Bromomethane	2.529	94	612	0.23	ug/l #	27
13) Acrolein	3.537	56	4367	Below Cal		98
16) Acetone	3.747	43	3321	1.46	ug/l #	65
29) Tetrahydrofuran	7.123	42	546	0.22	ug/l #	42
31) Cyclohexane	7.579	56	5732	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.582	75	20862	4.25	ug/l #	50
38) Carbon Tetrachloride	7.585	117	27727	6.30	ug/l #	17
49) 1,4-Dioxane	9.164	88	24	0.43	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	2646	0.40	ug/l #	70
56) Ethyl methacrylate	10.368	69	252	2.20	ug/l #	69
59) 2-Hexanone	10.701	43	4083	2.13	ug/l	99
70) Styrene	11.913	104	437	2.19	ug/l #	66
71) Bromoform	12.337	173	617	0.24	ug/l #	1
74) N-amyl acetate	12.023	43	251	2.20	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	93421	26.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	93421	77.91	ug/l #	11
82) 4-Chlorotoluene	12.721	91	909	0.59	ug/l	92
89) n-Butylbenzene	13.557	91	2411	2.53	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.204	75	157	1.04	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.855	180	2557	0.92	ug/l	84
94) Hexachlorobutadiene	14.957	225	470	0.35	ug/l #	38
95) Naphthalene	15.075	128	18734	2.30	ug/l	96
96) 1,2,3-Trichlorobenzene	15.252	180	3354	1.21	ug/l	97

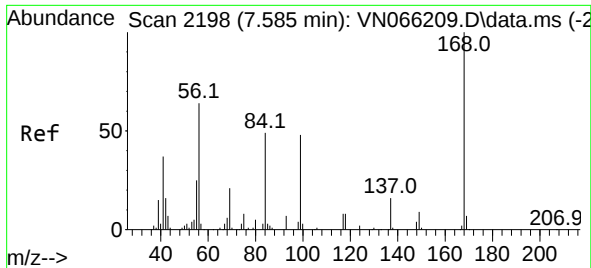
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
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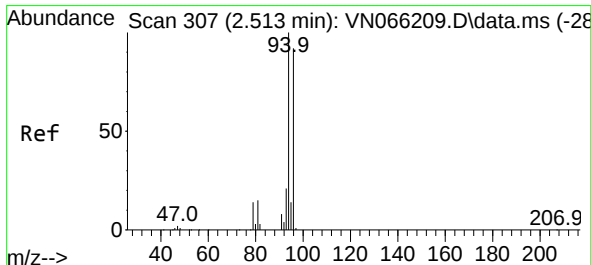
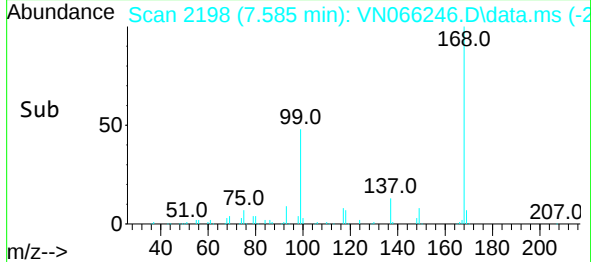
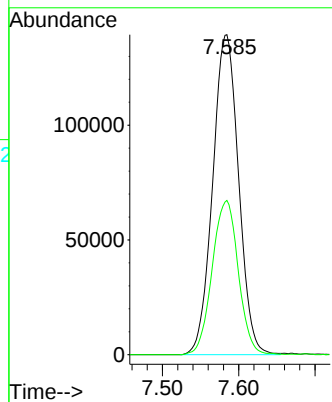
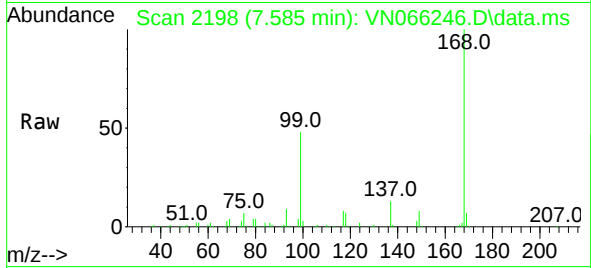




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

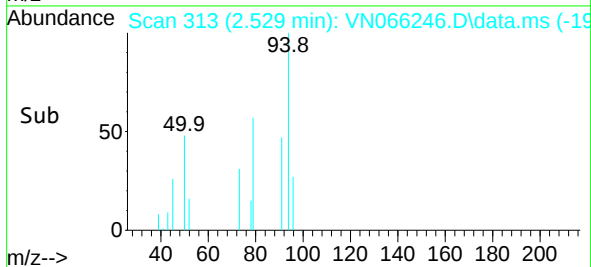
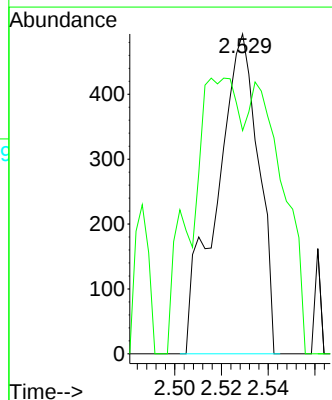
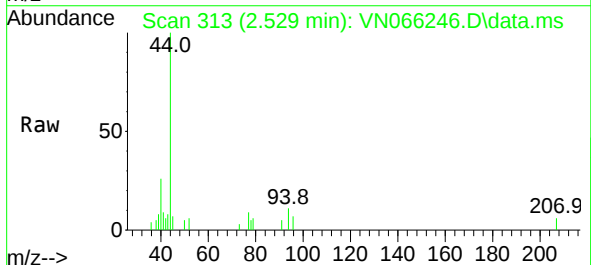
Instrument :
MSVOA_N
ClientSampled :

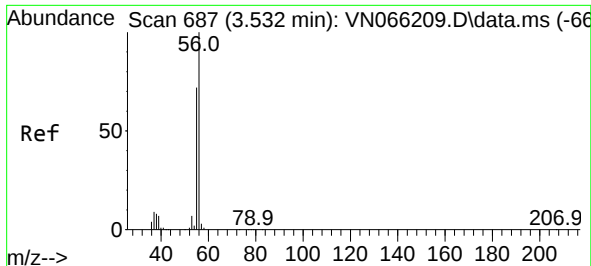
Tgt Ion:168 Resp: 329257
Ion Ratio Lower Upper
168 100
99 48.2 45.4 68.0



#5
Bromomethane
Concen: 0.23 ug/l
RT: 2.529 min Scan# 313
Delta R.T. 0.016 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 24.7 77.3 115.9#

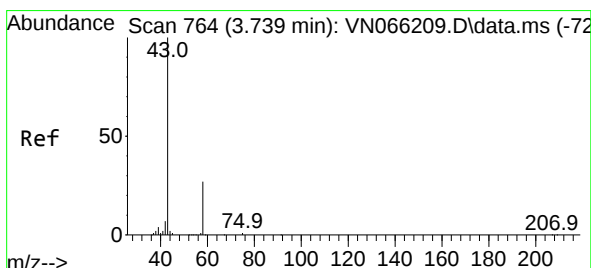
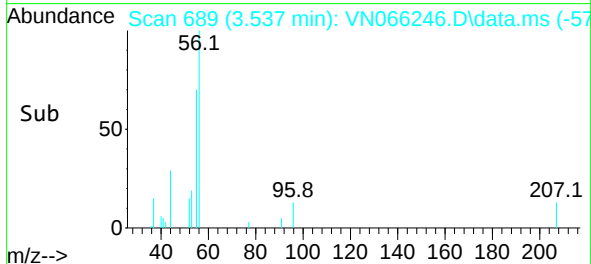
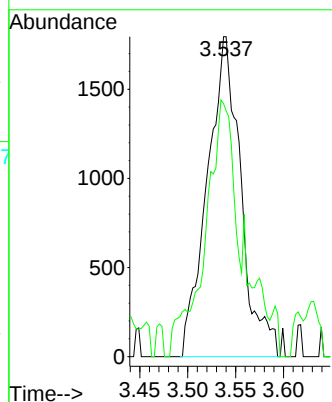
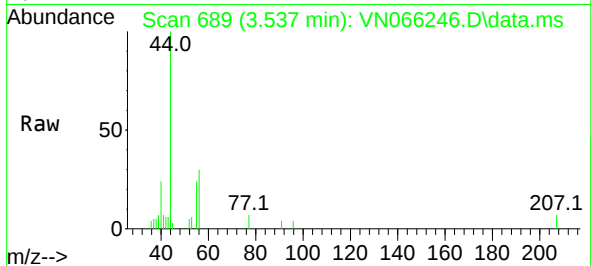




#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.005 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

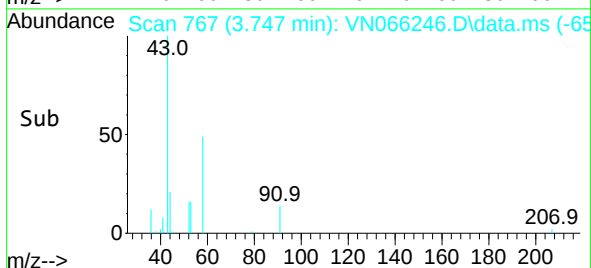
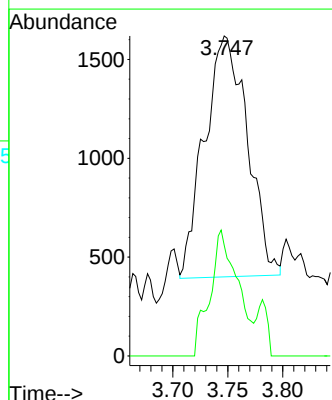
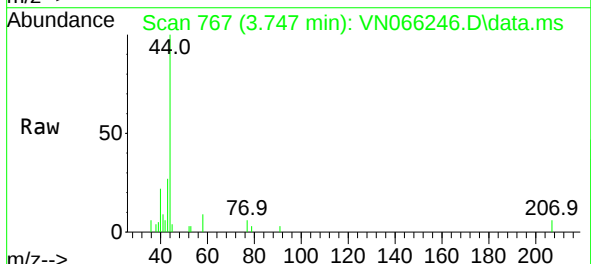
Instrument :
MSVOA_N
ClientSampled :

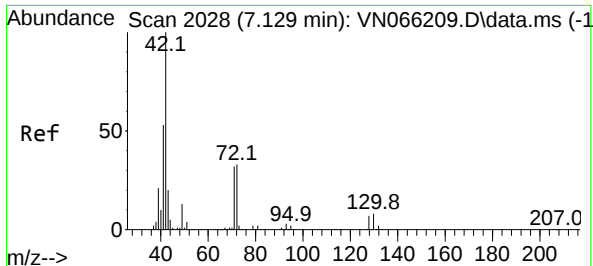
Tgt Ion: 56 Resp: 4367
Ion Ratio Lower Upper
56 100
55 70.5 58.0 87.0



#16
Acetone
Concen: 1.46 ug/l
RT: 3.747 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
58 46.3 22.3 33.5#





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.123 min Scan# 2026

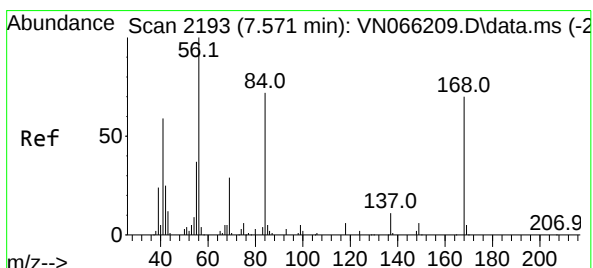
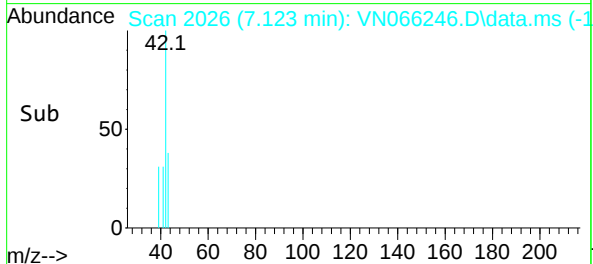
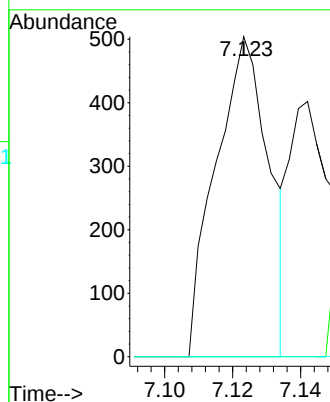
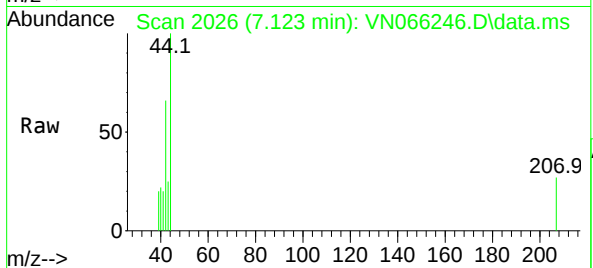
Delta R.T. -0.006 min

Lab File: VN066246.D

Acq: 18 Mar 2021 11:23

Tgt Ion:	42	Resp:	546
Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.2	39.4#
71	0.0	25.4	38.2#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.81 ug/l

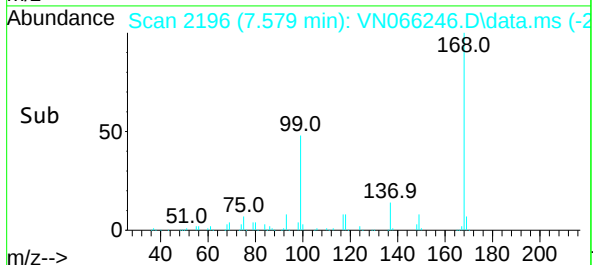
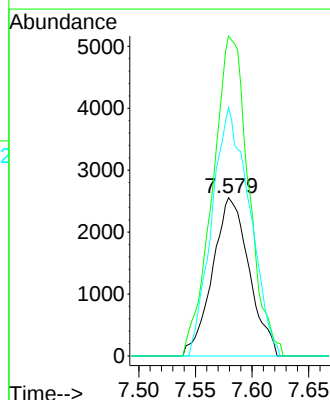
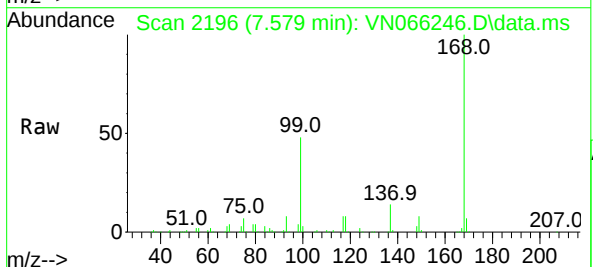
RT: 7.579 min Scan# 2196

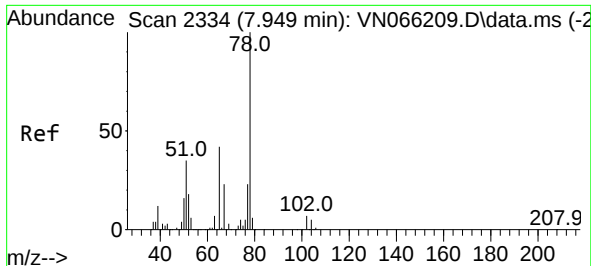
Delta R.T. 0.008 min

Lab File: VN066246.D

Acq: 18 Mar 2021 11:23

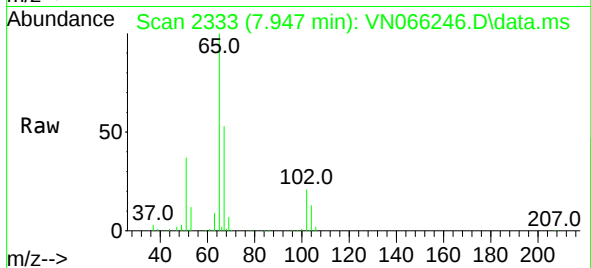
Tgt Ion:	56	Resp:	5732
Ion	Ratio	Lower	Upper
56	100		
69	202.3	23.4	35.0#
84	157.1	57.8	86.6#



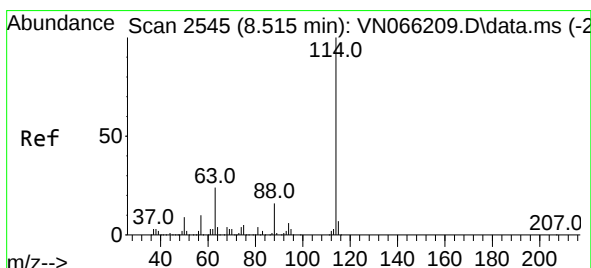
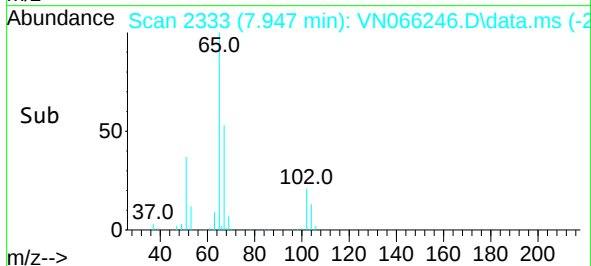
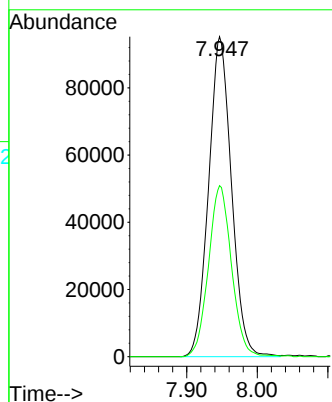


#33
 1,2-Dichloroethane-d4
 Concen: 45.19 ug/l
 RT: 7.947 min Scan# 2333
 Delta R.T. -0.002 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Instrument :
 MSVOA_N
 ClientSampled :

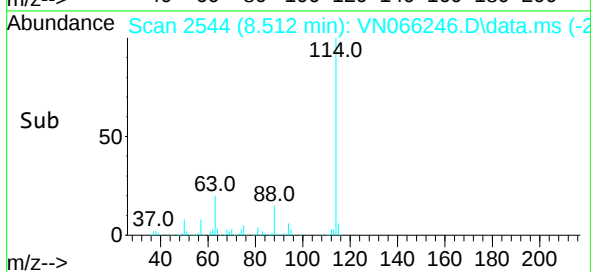
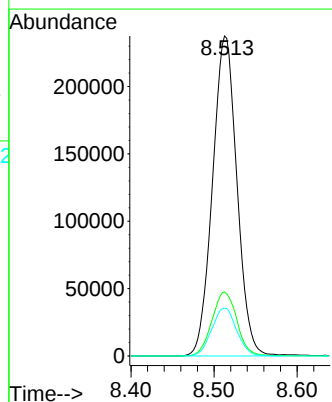
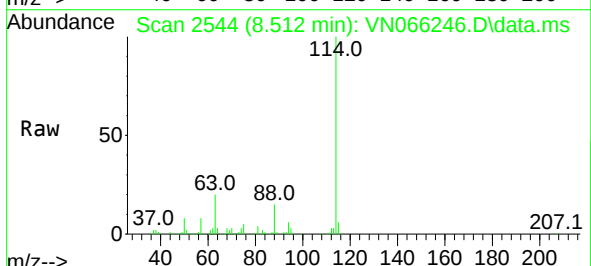


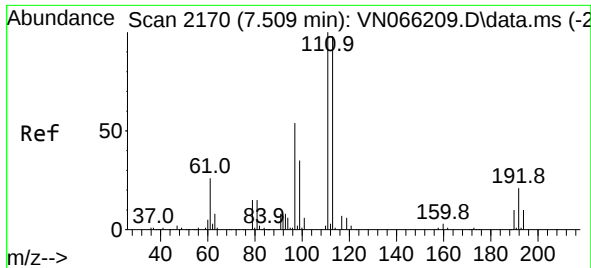
Tgt Ion: 65 Resp: 214352
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2544
 Delta R.T. -0.003 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Tgt Ion: 114 Resp: 484485
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 49.2
 88 14.9 0.0 33.8



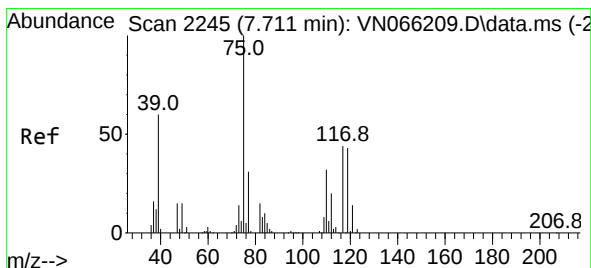
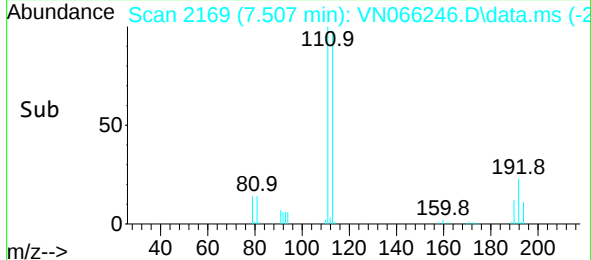
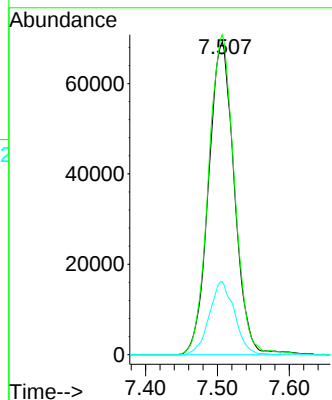
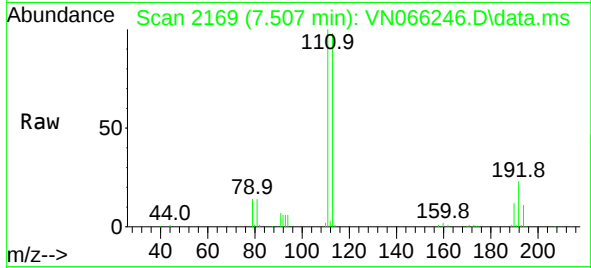


#35
 Dibromofluoromethane
 Concen: 55.56 ug/l
 RT: 7.507 min Scan# 2169
 Delta R.T. -0.002 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 113 Resp: 171737

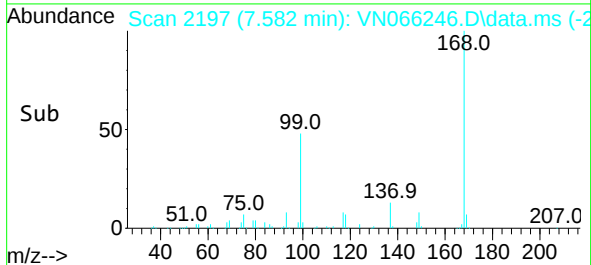
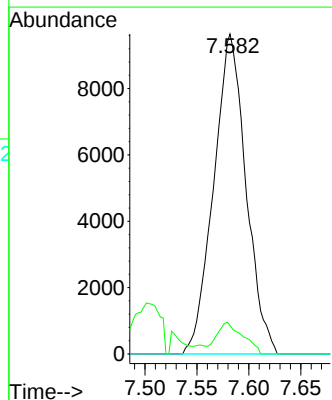
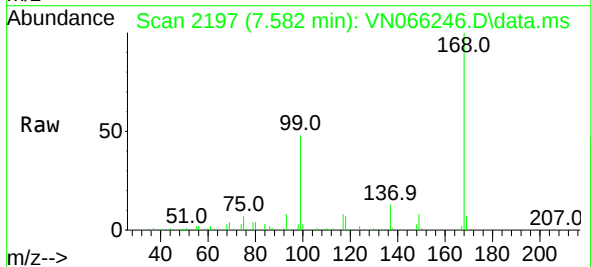
Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.0	126.0
192	22.9	16.7	25.1

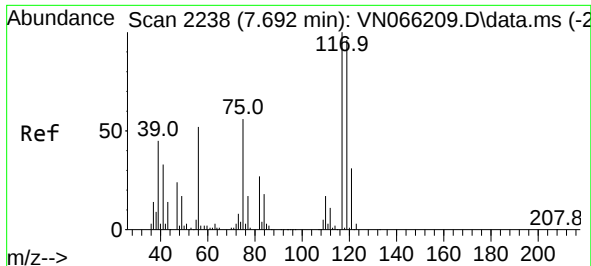


#36
 1,1-Dichloropropene
 Concen: 4.25 ug/l
 RT: 7.582 min Scan# 2197
 Delta R.T. -0.129 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Tgt Ion: 75 Resp: 20862

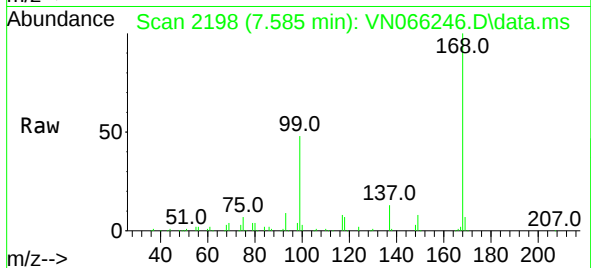
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.0	48.0#
77	0.0	24.9	37.3#



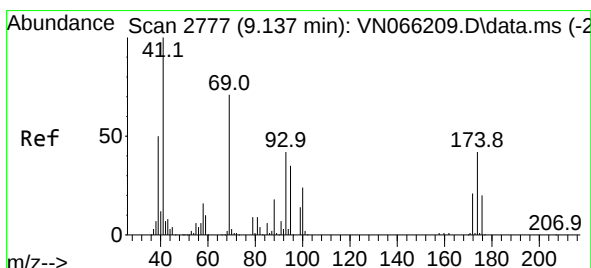
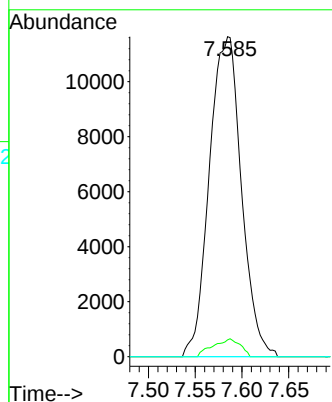
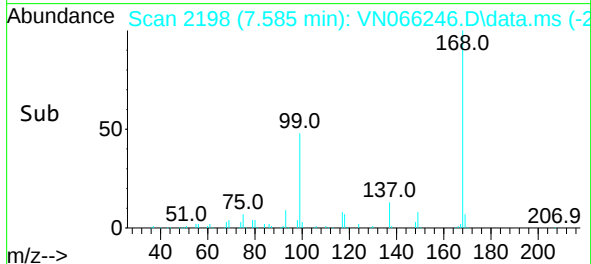


#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.107 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

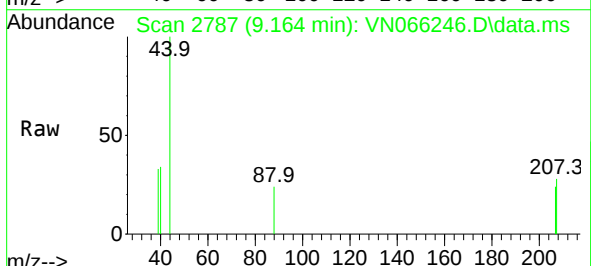
Instrument :
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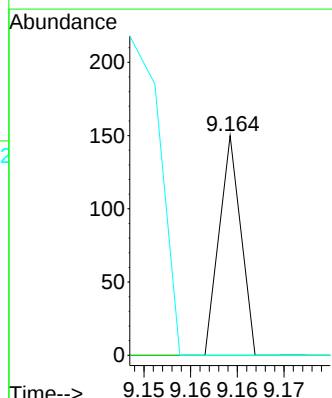
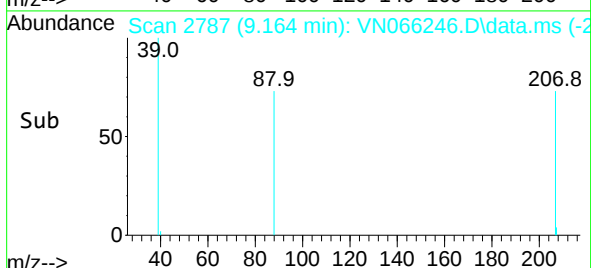
Tgt Ion: 117 Resp: 27727
Ion Ratio Lower Upper
117 100
119 5.3 74.6 111.8#
121 0.0 23.9 35.9#

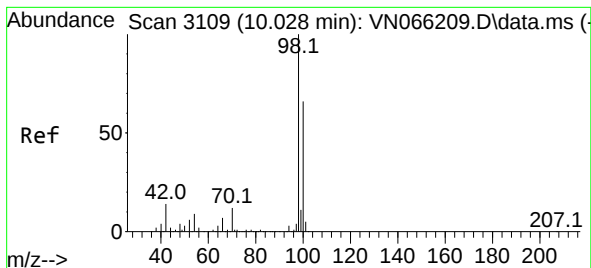


#49
1,4-Dioxane
Concen: 0.43 ug/l
RT: 9.164 min Scan# 2787
Delta R.T. 0.027 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23



Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 379.2 67.3 100.9#

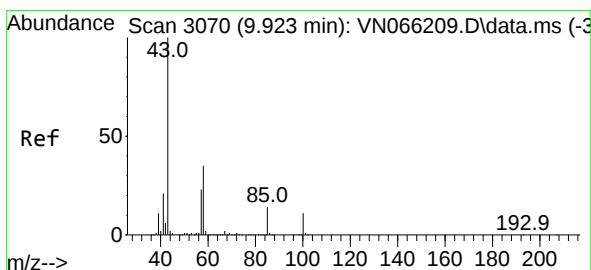
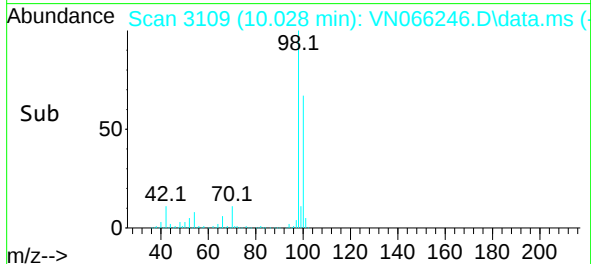
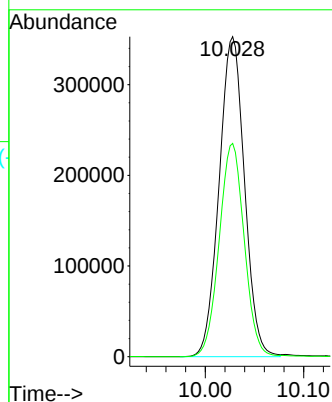
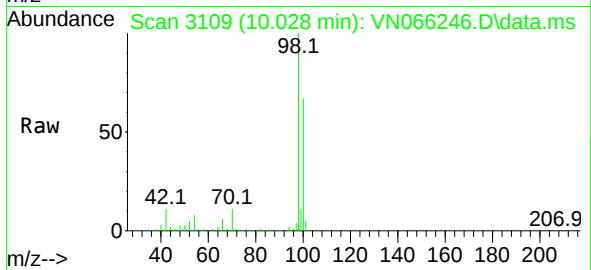




#50
Toluene-d8
Concen: 52.99 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

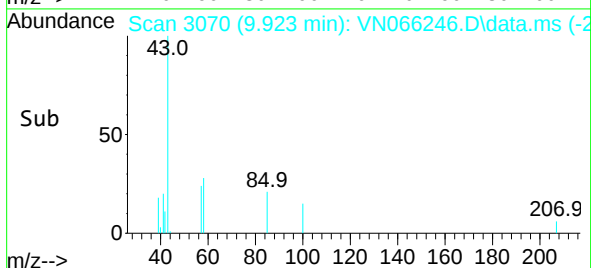
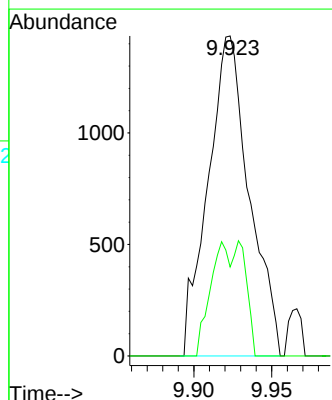
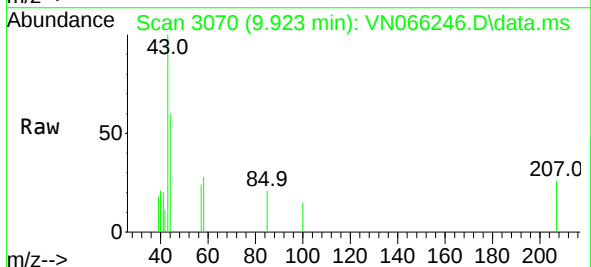
Instrument :
MSVOA_N
ClientSampled :

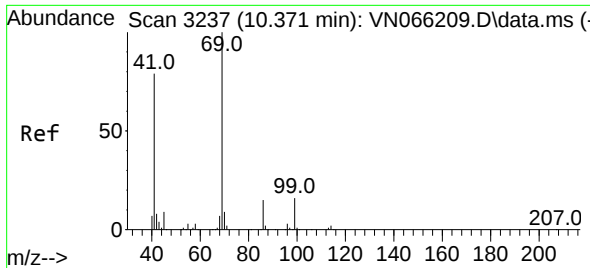
Tgt Ion: 98 Resp: 633249
Ion Ratio Lower Upper
98 100
100 66.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.40 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
58 17.1 27.5 41.3#

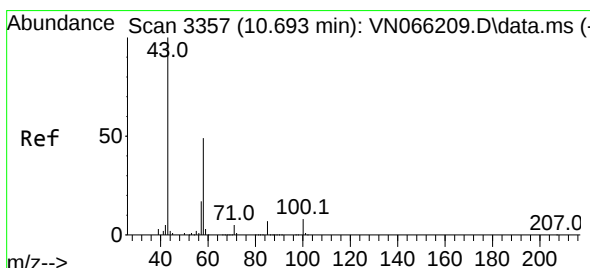
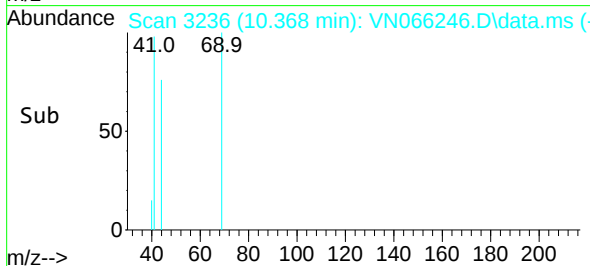
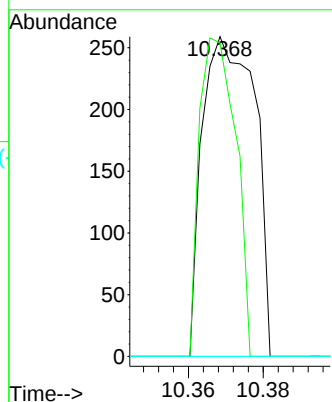
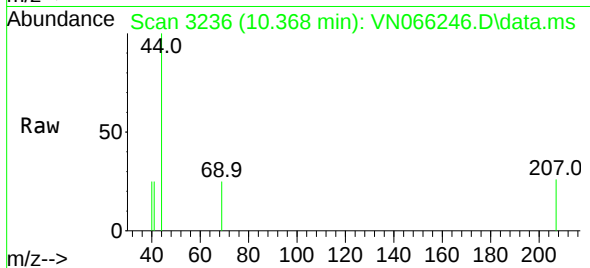




#56
Ethyl methacrylate
Concen: 2.20 ug/l
RT: 10.368 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

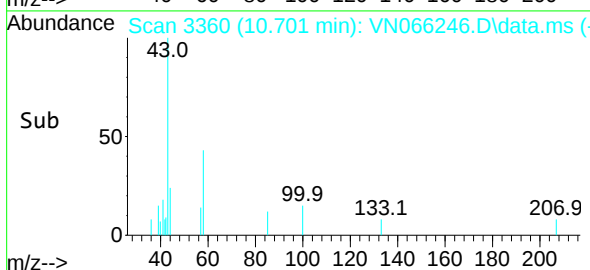
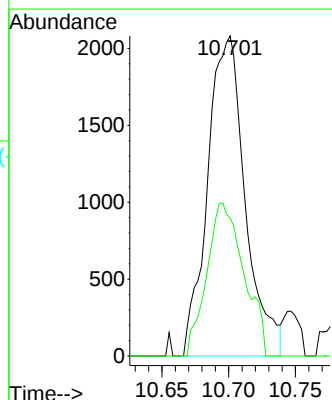
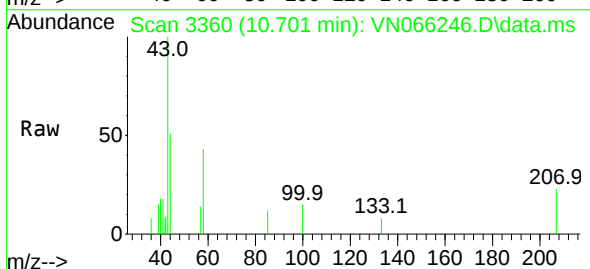
Instrument :
MSVOA_N
ClientSampleId :

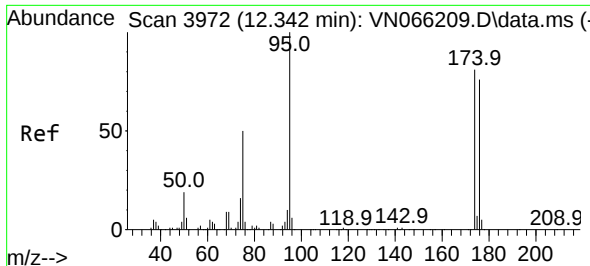
Tgt Ion: 69 Resp: 252
Ion Ratio Lower Upper
69 100
41 69.0 66.2 99.4
39 0.0 31.5 47.3#



#59
2-Hexanone
Concen: 2.13 ug/l
RT: 10.701 min Scan# 3360
Delta R.T. 0.008 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 43 Resp: 4083
Ion Ratio Lower Upper
43 100
58 47.2 23.8 71.5

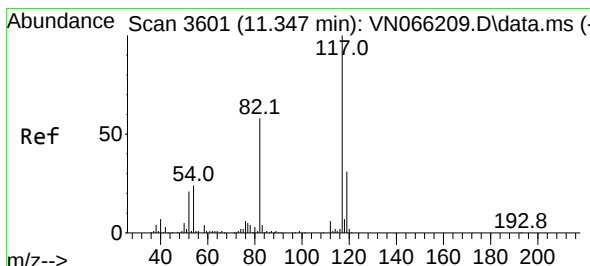
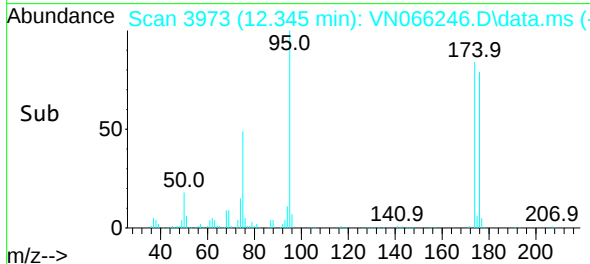
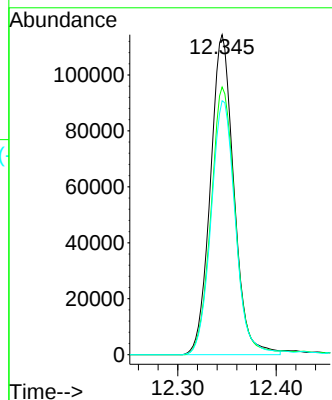
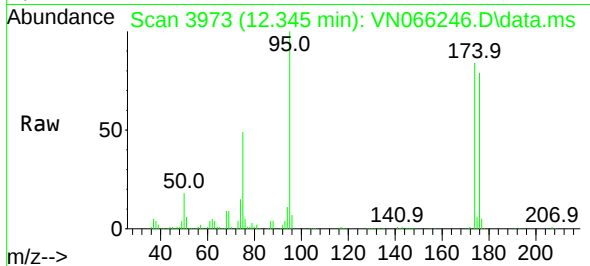




#62
4-Bromofluorobenzene
Concen: 44.13 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

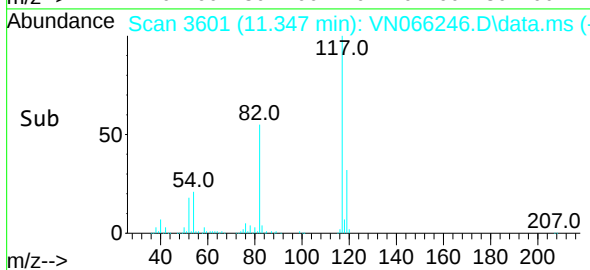
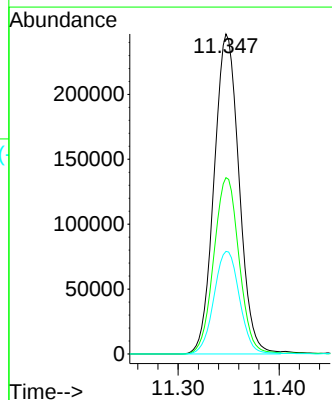
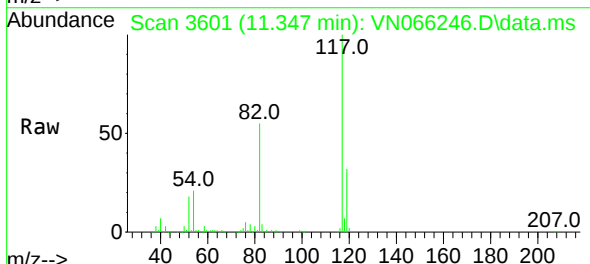
Instrument :
MSVOA_N
ClientSampled :

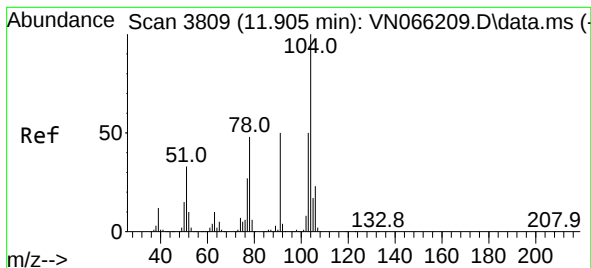
Tgt Ion: 95 Resp: 190111
Ion Ratio Lower Upper
95 100
174 85.6 0.0 162.4
176 82.3 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 117 Resp: 422954
Ion Ratio Lower Upper
117 100
82 55.1 49.0 73.6
119 32.1 25.7 38.5





#70

Styrene

Concen: 2.19 ug/l

RT: 11.913 min Scan# 3812

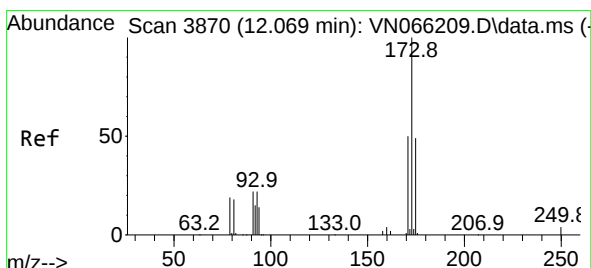
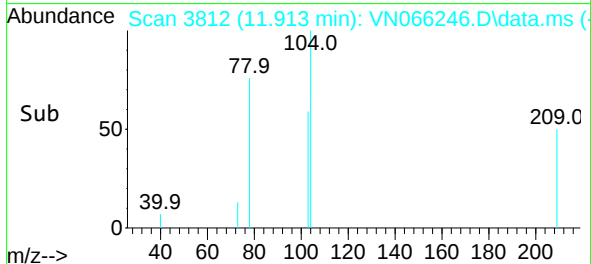
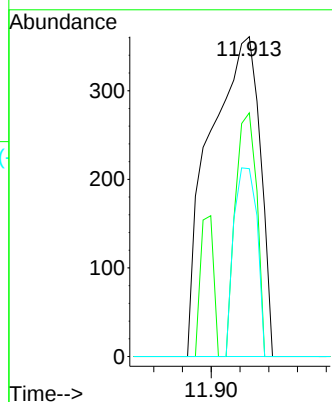
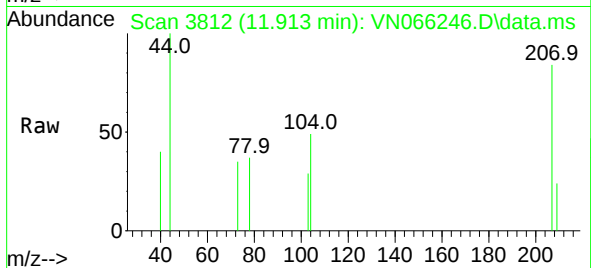
Delta R.T. 0.008 min

Lab File: VN066246.D

Acq: 18 Mar 2021 11:23

Tgt Ion:104	Resp:	437
Ion	Ratio	Lower Upper
104	100	
78	32.5	43.8 65.6#
103	27.2	43.7 65.5#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.24 ug/l

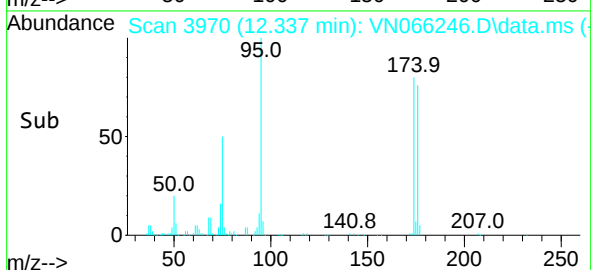
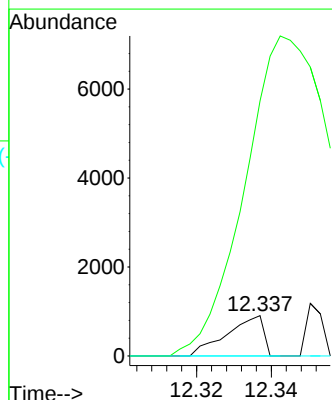
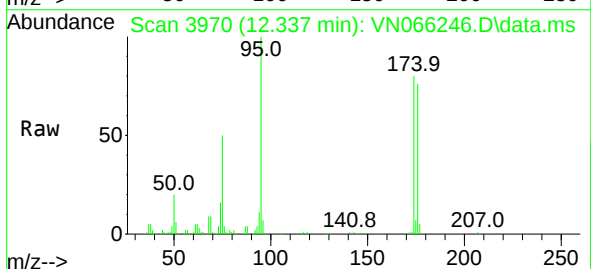
RT: 12.337 min Scan# 3970

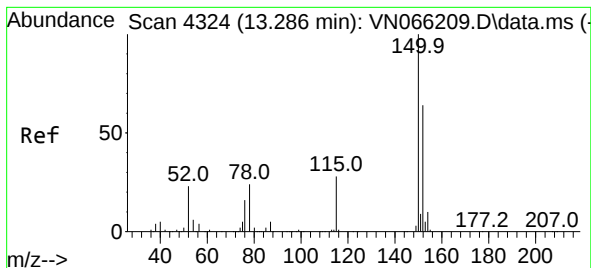
Delta R.T. 0.268 min

Lab File: VN066246.D

Acq: 18 Mar 2021 11:23

Tgt Ion:173	Resp:	617
Ion	Ratio	Lower Upper
173	100	
175	1764.0	23.9 71.8#
254	0.0	0.0 0.0

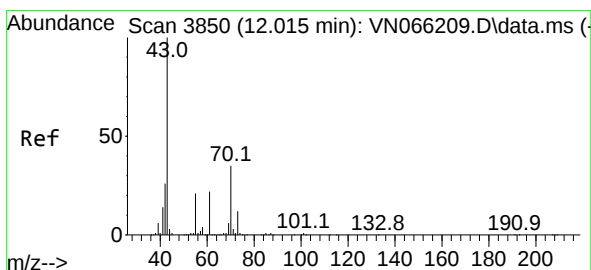
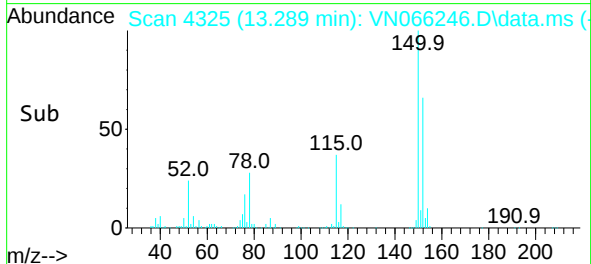
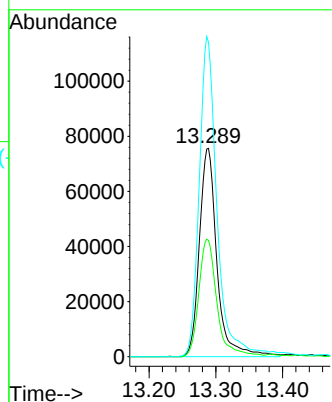
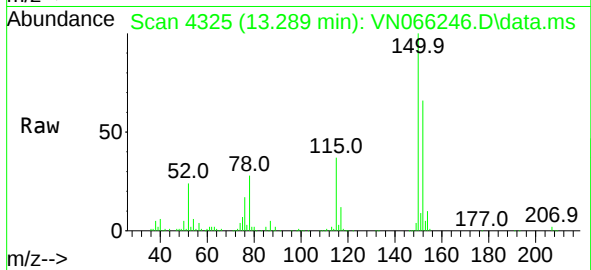




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

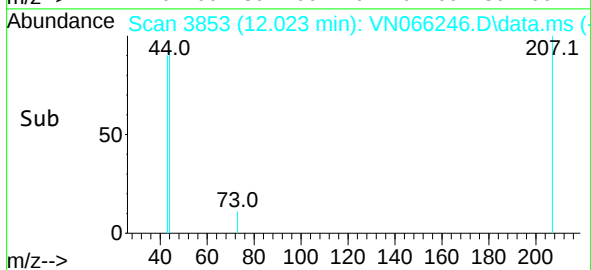
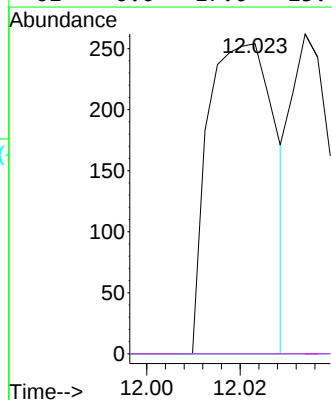
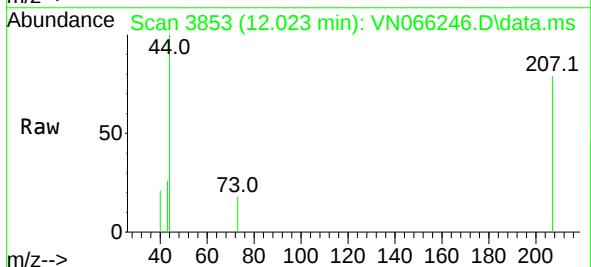
Instrument :
MSVOA_N
ClientSampled :

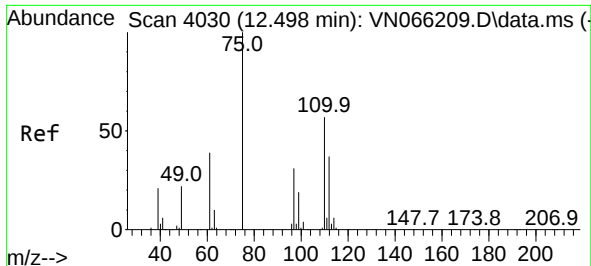
Tgt Ion:152 Resp: 138948
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.3
150 154.1 0.0 352.2



#74
N-ethyl acetate
Concen: 2.20 ug/l
RT: 12.023 min Scan# 3853
Delta R.T. 0.008 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 0.0 17.2 25.8#
61 0.0 17.0 25.4#

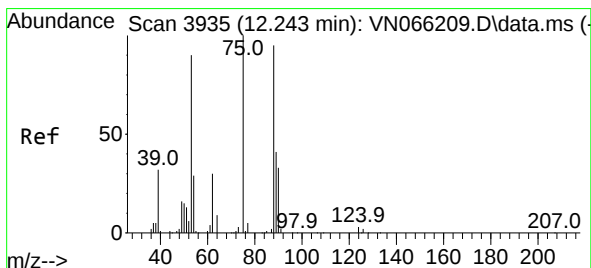
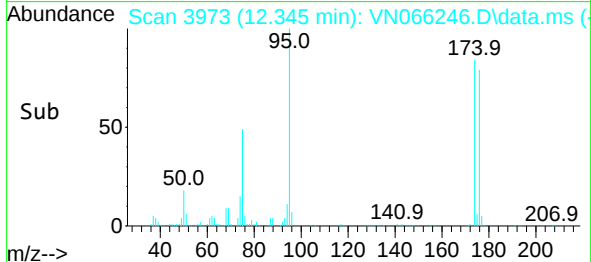
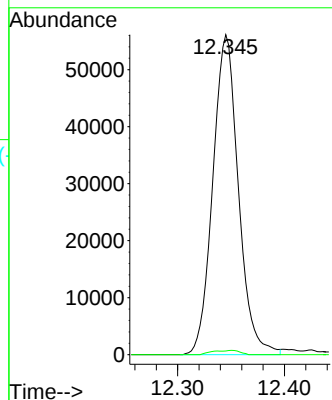
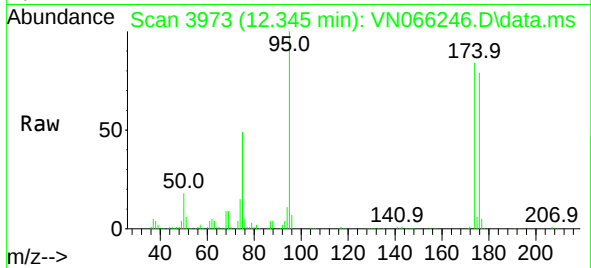




#76
1,2,3-Trichloropropane
Concen: 26.04 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

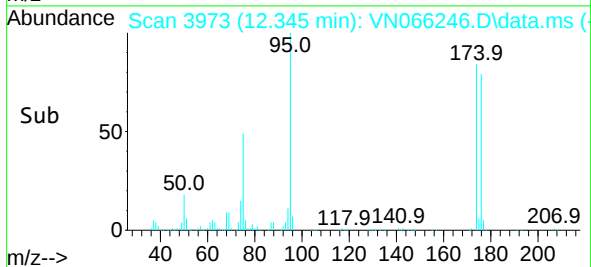
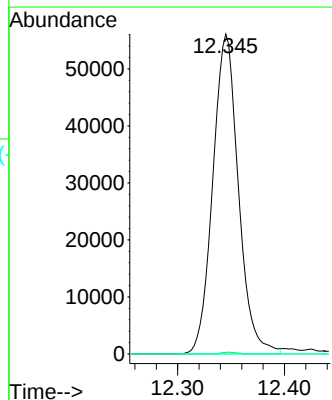
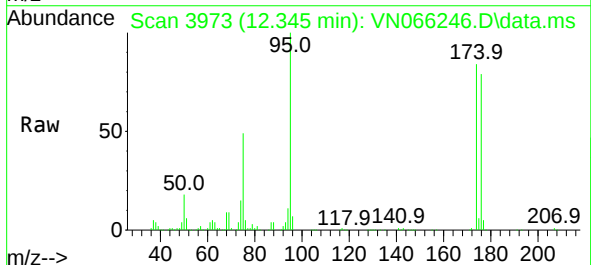
Instrument :
MSVOA_N
ClientSampled :

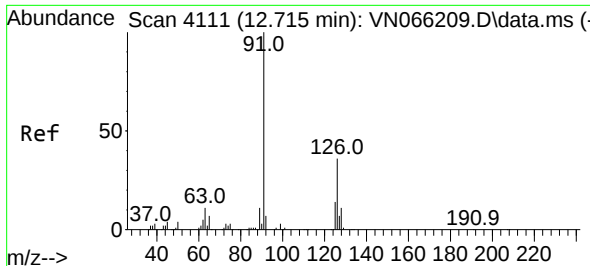
Tgt Ion: 75 Resp: 93421
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.91 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 75 Resp: 93421
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.6#
89 0.0 33.7 50.5#

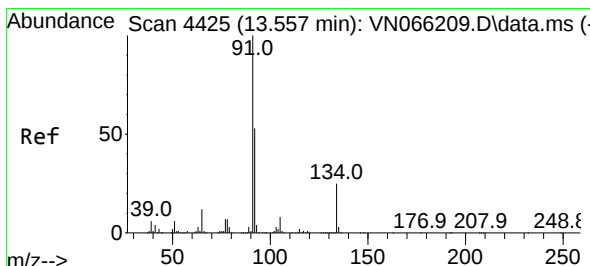
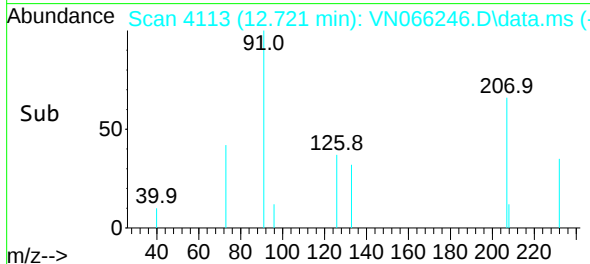
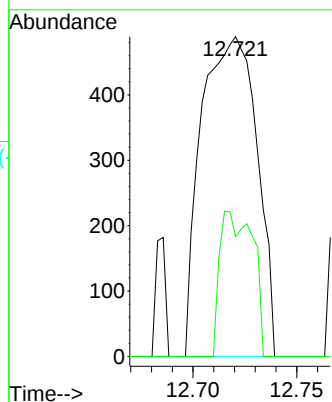
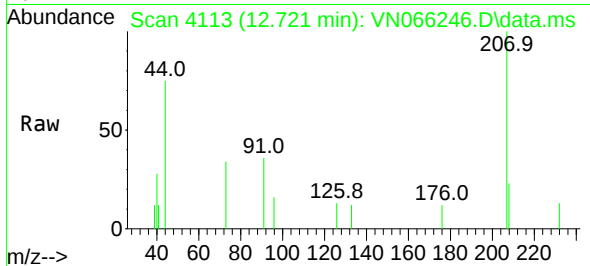




#82
4-Chlorotoluene
Concen: 0.59 ug/l
RT: 12.721 min Scan# 4113
Delta R.T. 0.006 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

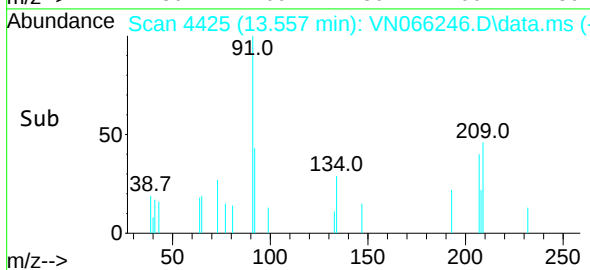
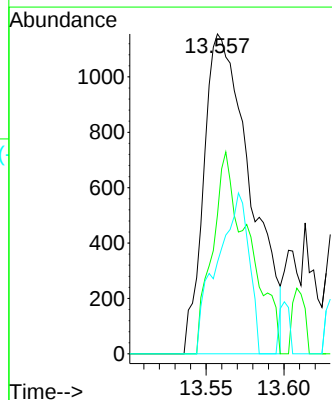
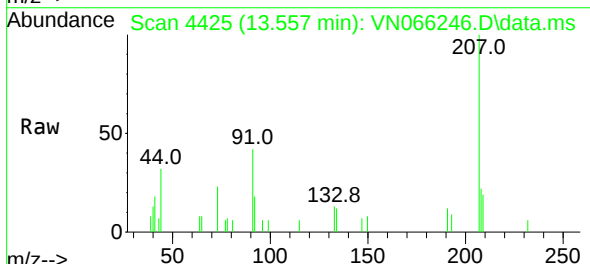
Instrument :
MSVOA_N
ClientSampled :

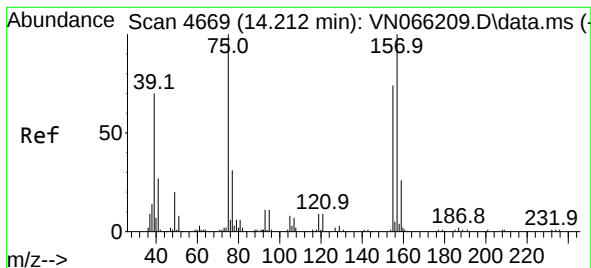
Tgt Ion: 91 Resp: 909
Ion Ratio Lower Upper
91 100
126 27.1 15.7 47.1



#89
n-Butylbenzene
Concen: 2.53 ug/l
RT: 13.557 min Scan# 4425
Delta R.T. 0.000 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion: 91 Resp: 2411
Ion Ratio Lower Upper
91 100
92 49.0 25.7 77.0
134 34.2 11.8 35.4

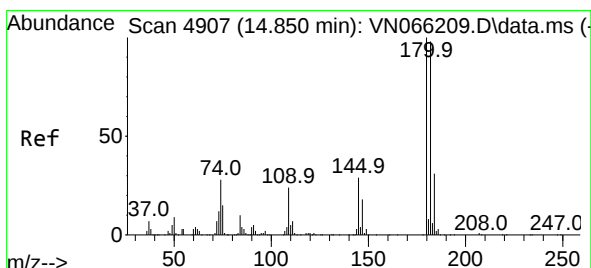
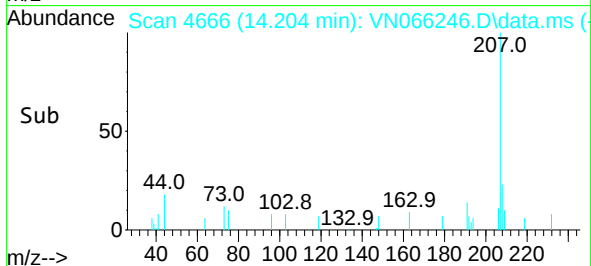
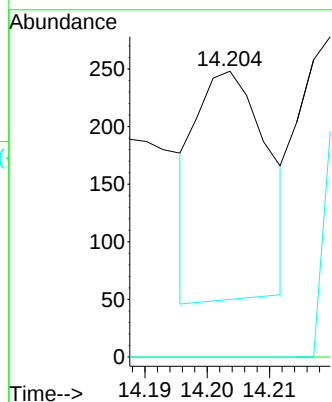
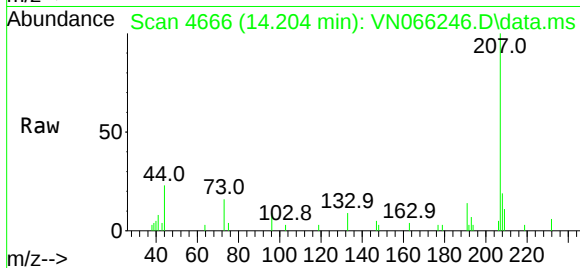




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.04 ug/l
 RT: 14.204 min Scan# 4666
 Delta R.T. -0.008 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

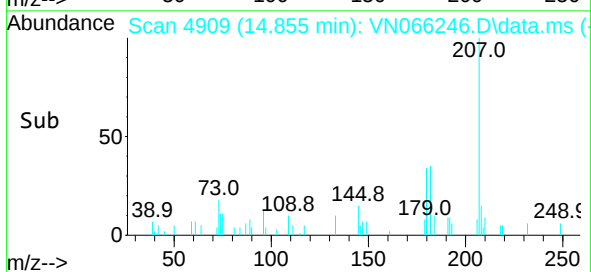
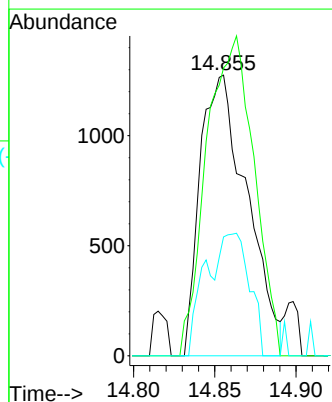
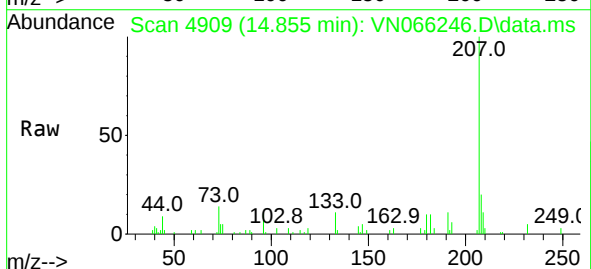
Instrument :
 MSVOA_N
 ClientSampled :

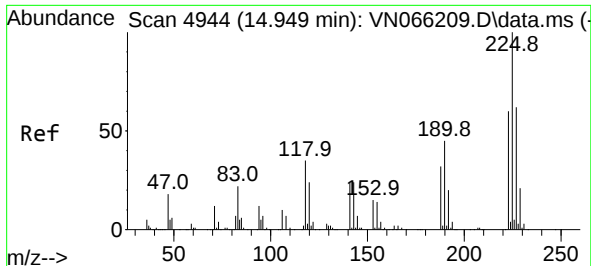
Tgt Ion: 75 Resp: 157
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.92 ug/l
 RT: 14.855 min Scan# 4909
 Delta R.T. 0.005 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Tgt Ion:180 Resp: 2557
 Ion Ratio Lower Upper
 180 100
 182 115.2 47.4 142.2
 145 27.7 14.1 42.3

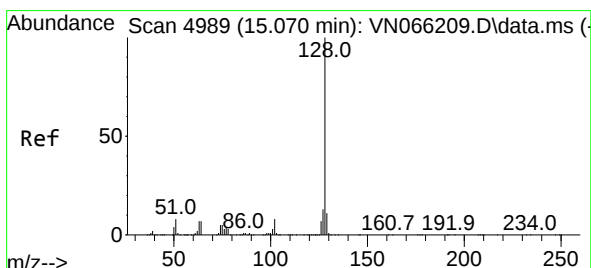
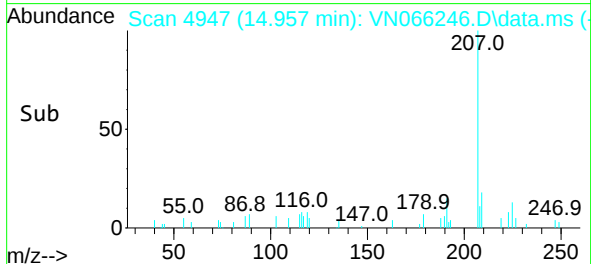
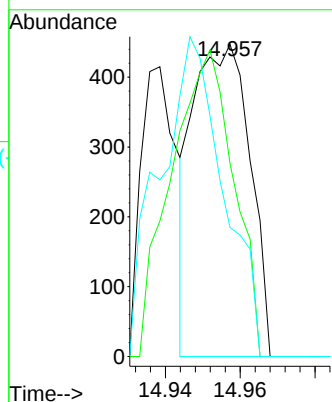
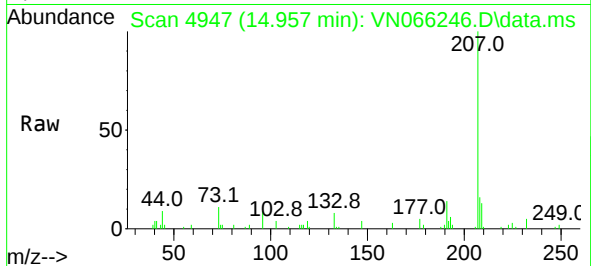




#94
Hexachlorobutadiene
Concen: 0.35 ug/l
RT: 14.957 min Scan# 4947
Delta R.T. 0.008 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

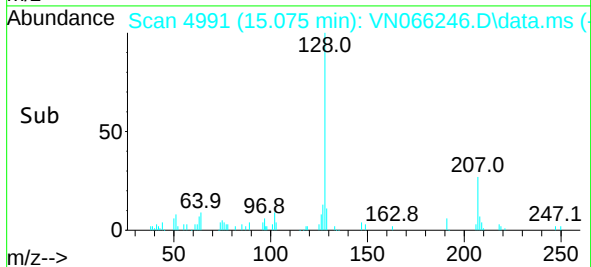
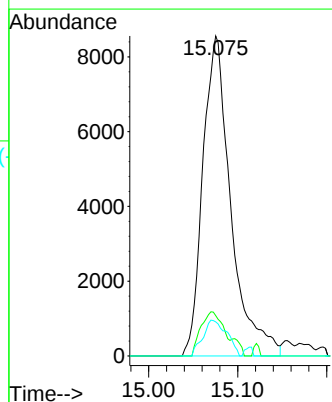
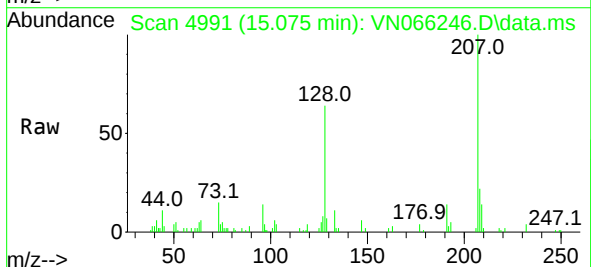
Instrument :
MSVOA_N
ClientSampled :

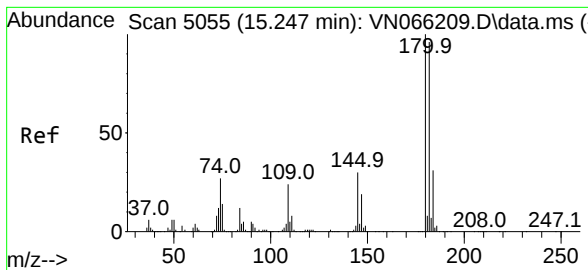
Tgt Ion:225 Resp: 470
Ion Ratio Lower Upper
225 100
223 108.3 31.3 93.8#
227 114.9 31.9 95.7#



#95
Naphthalene
Concen: 2.30 ug/l
RT: 15.075 min Scan# 4991
Delta R.T. 0.005 min
Lab File: VN066246.D
Acq: 18 Mar 2021 11:23

Tgt Ion:128 Resp: 18734
Ion Ratio Lower Upper
128 100
127 11.1 10.3 15.5
129 9.5 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.21 ug/l
 RT: 15.252 min Scan# 5057
 Delta R.T. 0.005 min
 Lab File: VN066246.D
 Acq: 18 Mar 2021 11:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180	Resp:	3354
Ion Ratio	Lower	Upper
180	100	
182	98.7	47.9 143.8
145	33.1	15.6 46.8

