

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066266.D
 Acq On : 18 Mar 2021 19:15
 Operator : JC/MD
 Sample : M1693-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:30:06 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)

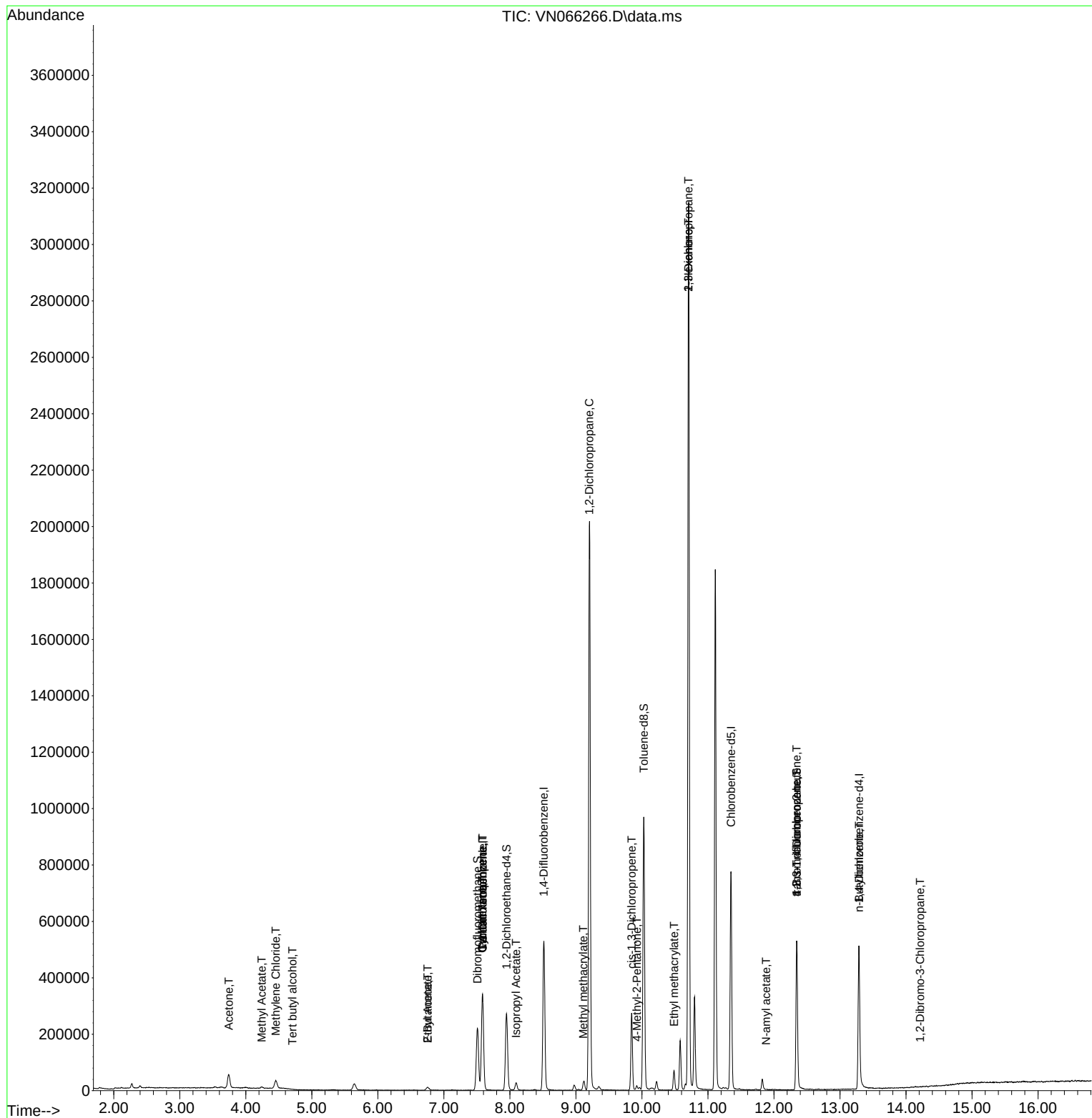
Internal Standards						
1) Pentafluorobenzene	7.587	168	285518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	445365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	446205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	153885	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	232594	56.54	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.08%			
35) Dibromofluoromethane	7.509	113	166450	58.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.16%			
50) Toluene-d8	10.028	98	647684	58.96	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 117.92%#			
62) 4-Bromofluorobenzene	12.345	95	183875	46.43	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.86%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.709	59	320	0.46	ug/l #	73
13) Acrolein	3.529	56	3658	Below Cal		95
16) Acetone	3.741	43	77984	39.46	ug/l	98
18) Methyl Acetate	4.240	43	4090	0.74	ug/l #	65
20) Methylene Chloride	4.455	84	16414	5.31	ug/l	95
25) 2-Butanone	6.756	43	11835	3.86	ug/l	98
31) Cyclohexane	7.582	56	6004	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	21353	4.73	ug/l #	49
37) Ethyl Acetate	6.756	43	11835	1.84	ug/l #	76
38) Carbon Tetrachloride	7.590	117	25221	6.24	ug/l #	18
43) Isopropyl Acetate	8.094	43	30701	3.08	ug/l	97
45) 1,2-Dichloropropane	9.202	63	2432	0.62	ug/l #	44
48) Methyl methacrylate	9.111	41	9484	2.01	ug/l #	21
51) 4-Methyl-2-Pentanone	9.923	43	10920	1.81	ug/l	97
54) cis-1,3-Dichloropropene	9.845	75	42637	7.29	ug/l #	59
56) Ethyl methacrylate	10.489	69	717	2.28	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	29291	5.05	ug/l #	43
59) 2-Hexanone	10.706	43	465871	99.72	ug/l #	57
74) N-amyl acetate	11.881	43	410	2.22	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	87073	21.91	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	87073	65.57	ug/l #	11
89) n-Butylbenzene	13.292	91	265	2.27	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.214	75	147	1.01	ug/l #	8

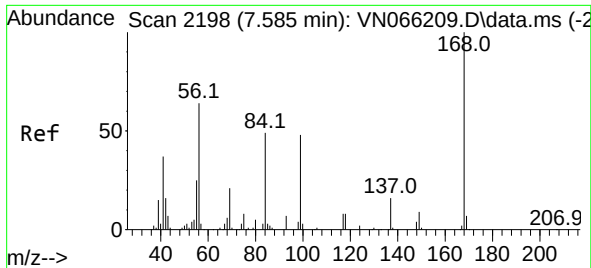
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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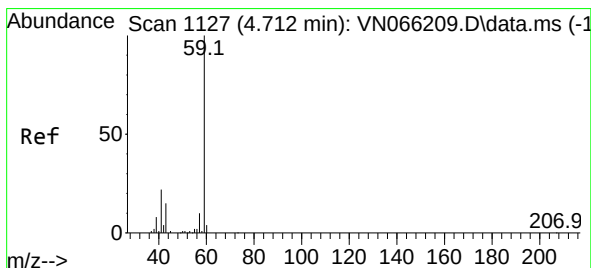
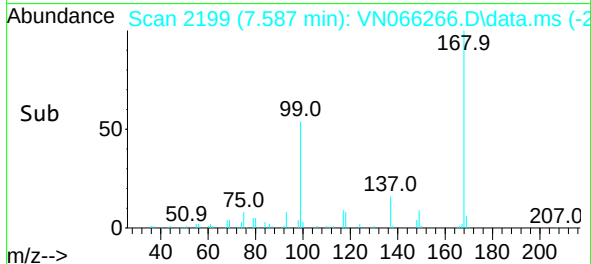
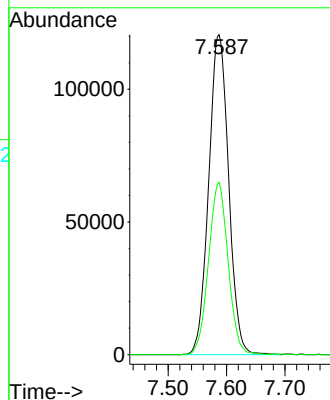
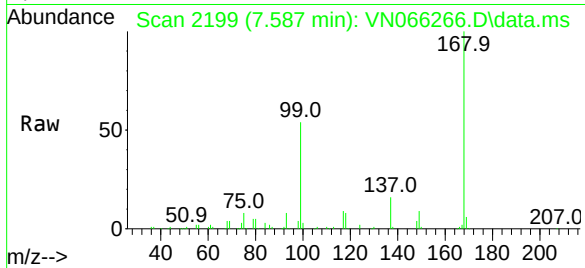




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

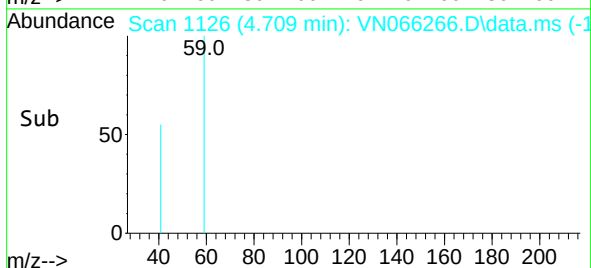
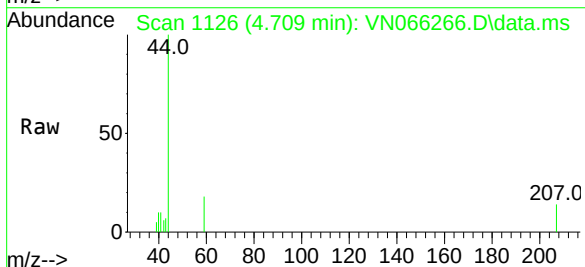
Instrument :
MSVOA_N
ClientSampled :

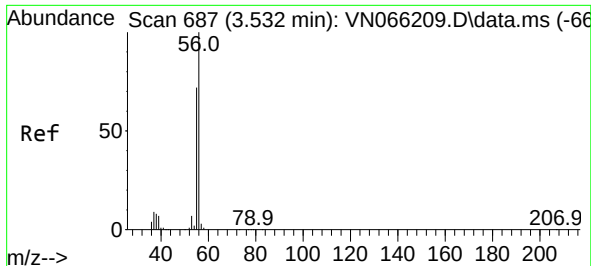
Tgt Ion:168 Resp: 285518
Ion Ratio Lower Upper
168 100
99 53.9 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.46 ug/l
RT: 4.709 min Scan# 1126
Delta R.T. -0.003 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

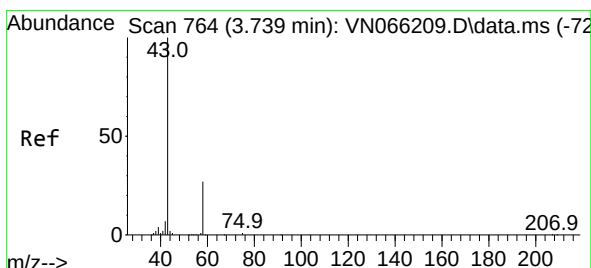
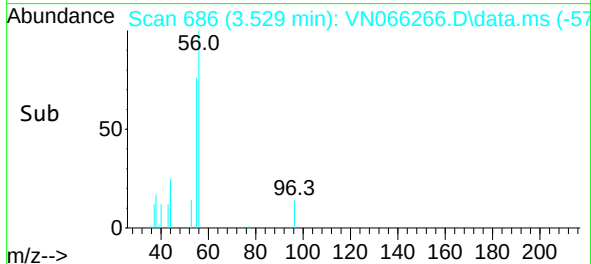
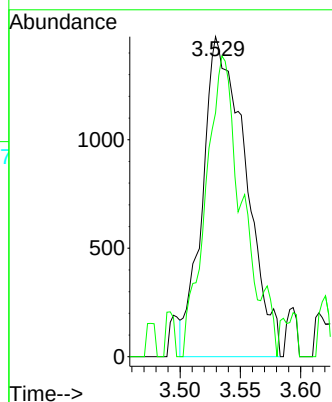
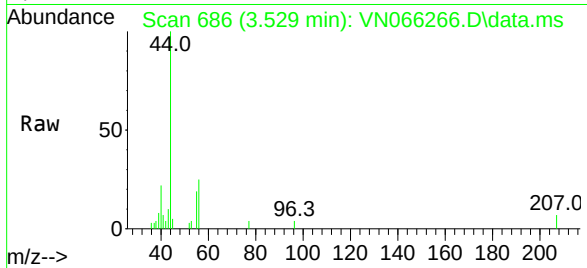




#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. -0.003 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

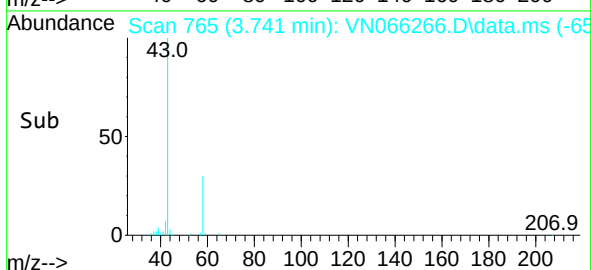
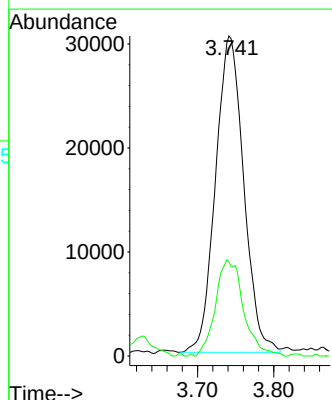
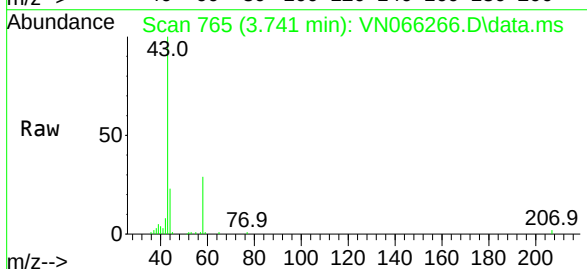
Instrument :
MSVOA_N
ClientSampleId :

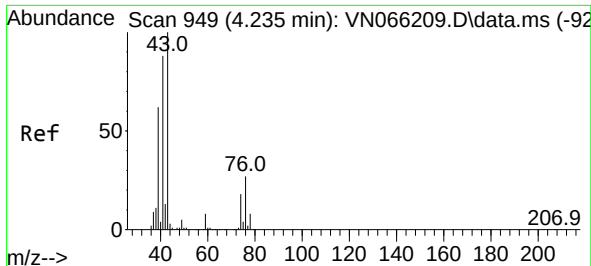
Tgt Ion: 56 Resp: 3658
Ion Ratio Lower Upper
56 100
55 76.7 58.0 87.0



#16
Acetone
Concen: 39.46 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 43 Resp: 77984
Ion Ratio Lower Upper
43 100
58 29.1 22.3 33.5

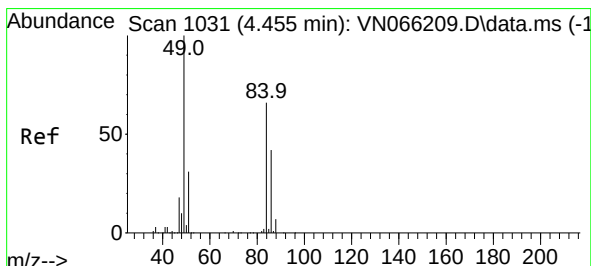
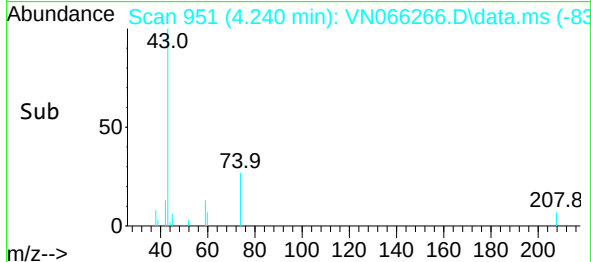
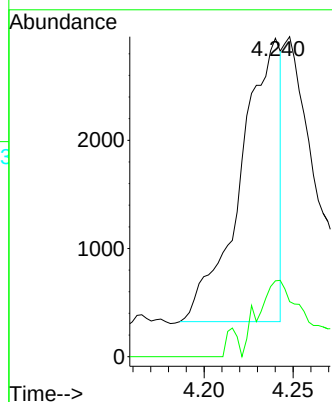
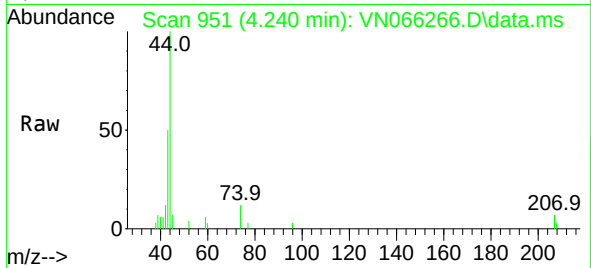




#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

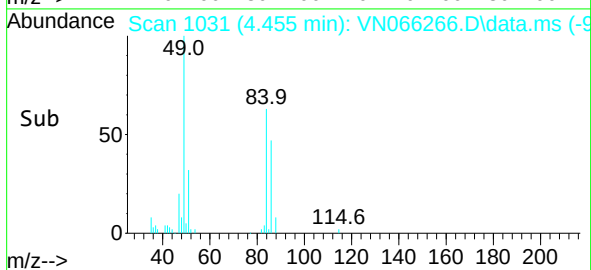
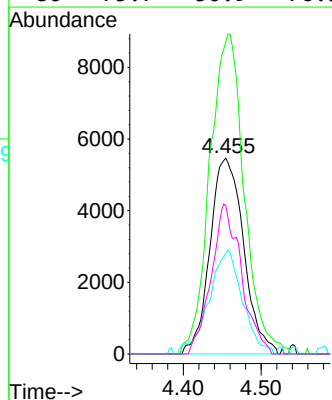
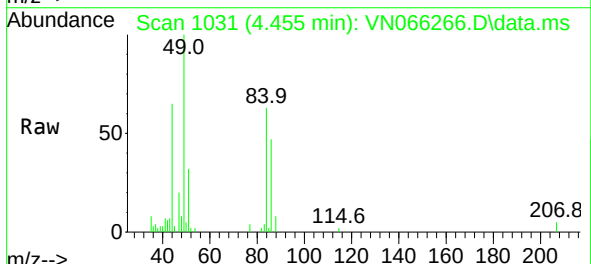
Instrument :
MSVOA_N
ClientSampled :

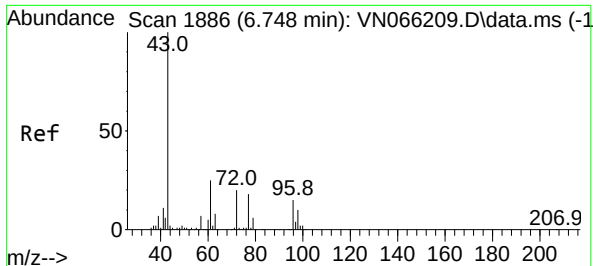
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
74 33.1 14.2 21.2#



#20
Methylene Chloride
Concen: 5.31 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

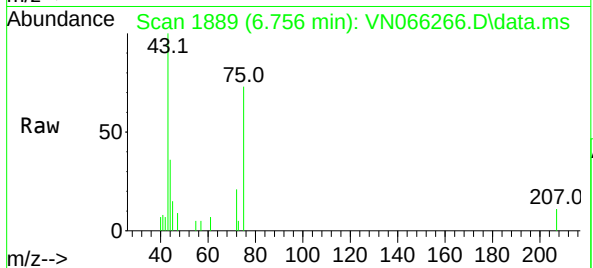
Tgt Ion: 84 Resp: 16414
Ion Ratio Lower Upper
84 100
49 159.6 130.0 195.0
51 48.3 39.1 58.7
86 75.7 50.9 76.3



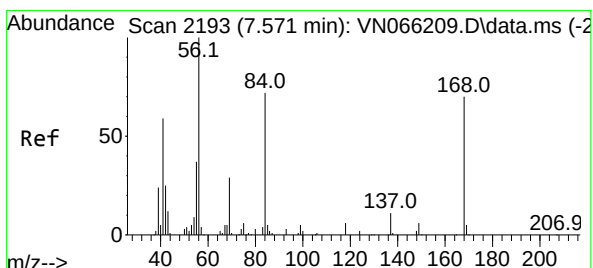
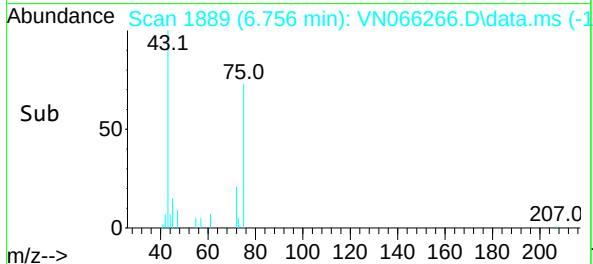
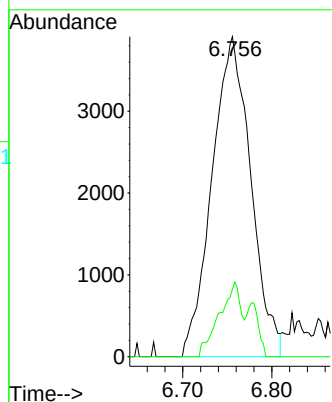


#25
2-Butanone
Concen: 3.86 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.008 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Instrument :
MSVOA_N
ClientSampled :

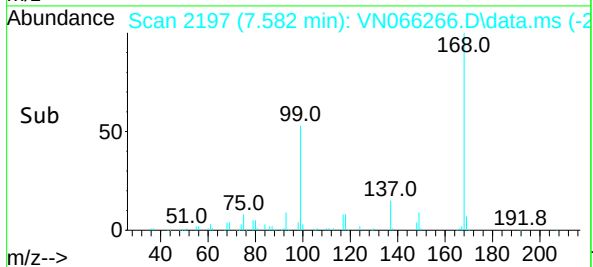
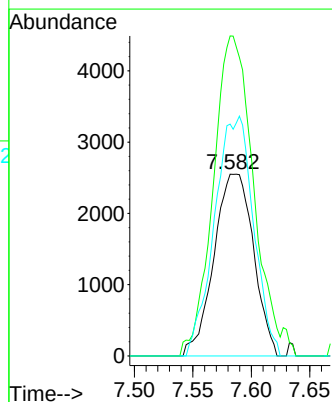
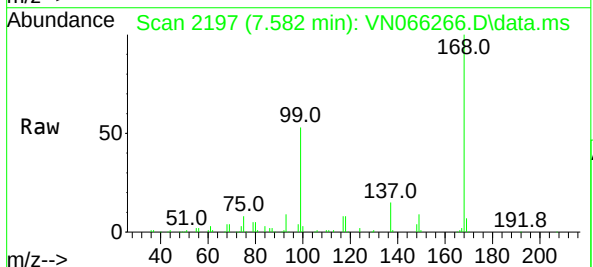


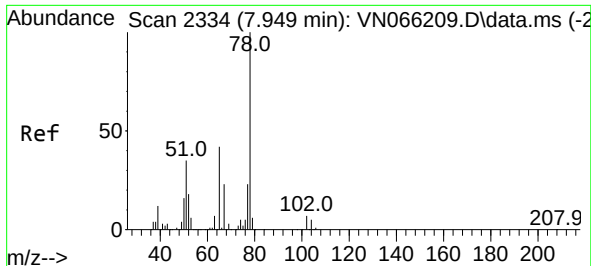
Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
72 21.0 16.2 24.2



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 56 Resp: 6004
Ion Ratio Lower Upper
56 100
69 176.0 23.4 35.0#
84 127.6 57.8 86.6#





#33

1,2-Dichloroethane-d4

Concen: 56.54 ug/l

RT: 7.949 min Scan# 2334

Delta R.T. 0.000 min

Lab File: VN066266.D

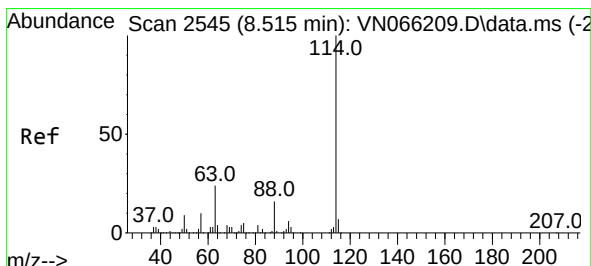
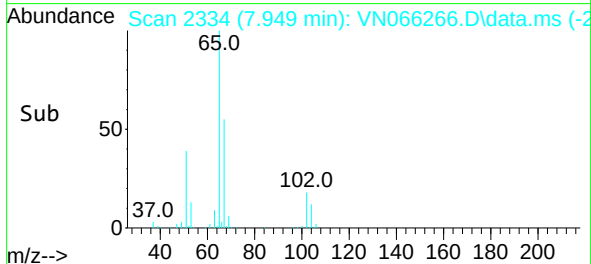
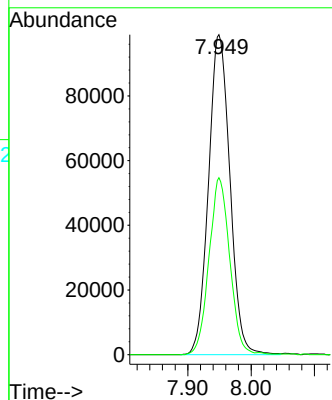
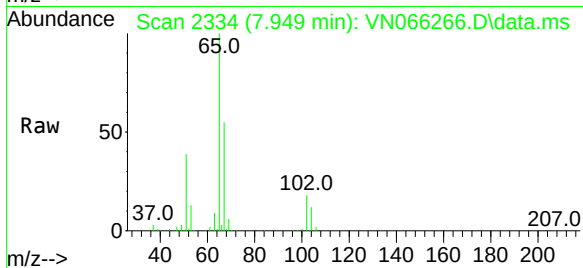
Acq: 18 Mar 2021 19:15

Tgt Ion: 65 Resp: 232594

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.515 min Scan# 2545

Delta R.T. 0.000 min

Lab File: VN066266.D

Acq: 18 Mar 2021 19:15

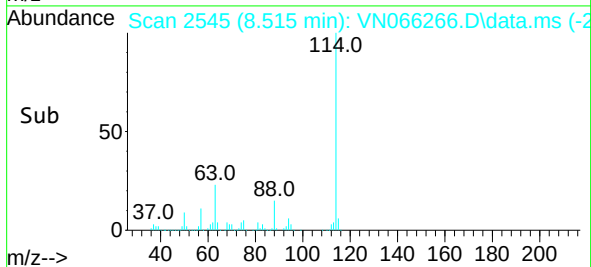
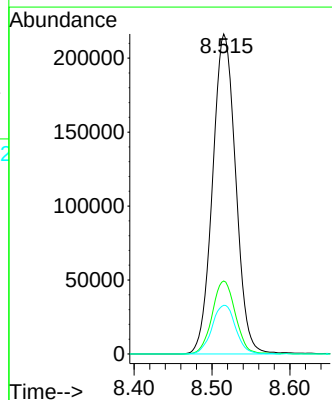
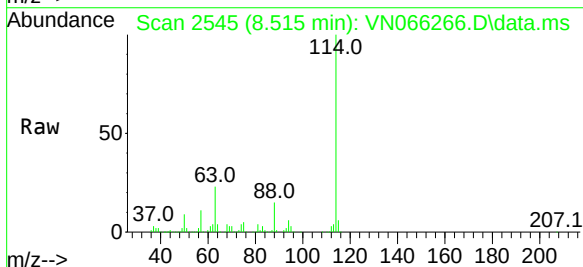
Tgt Ion: 114 Resp: 445365

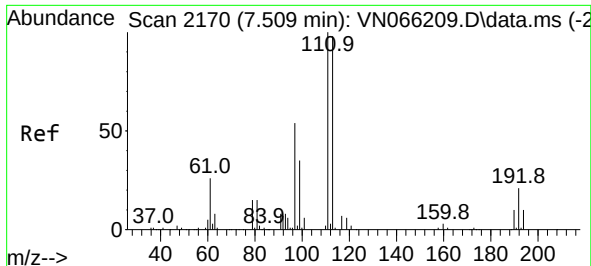
Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 15.2 0.0 33.8

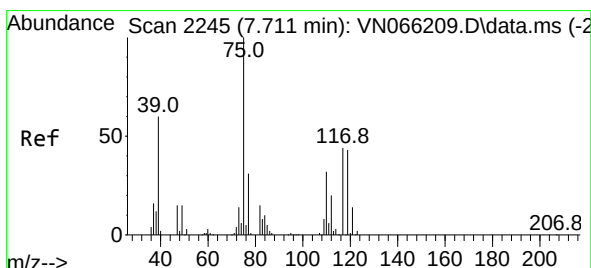
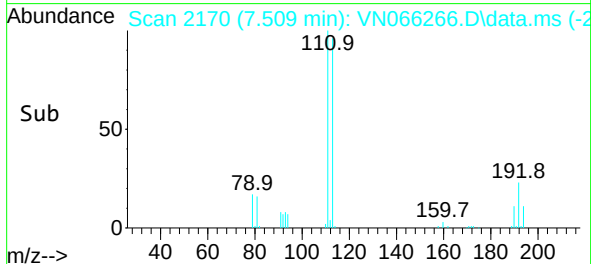
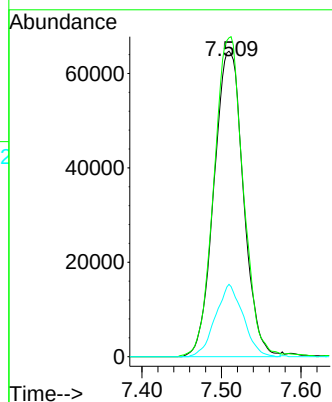
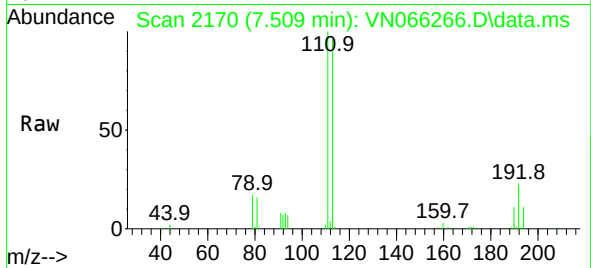




#35
Dibromofluoromethane
Concen: 58.58 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

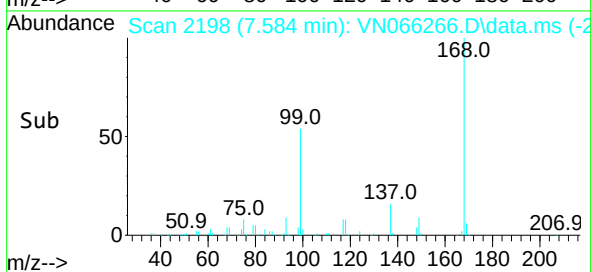
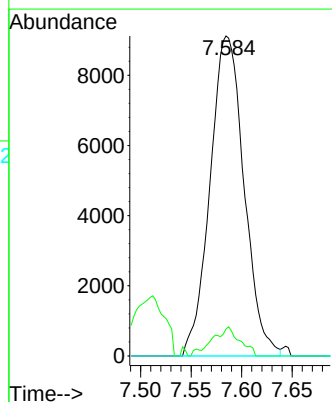
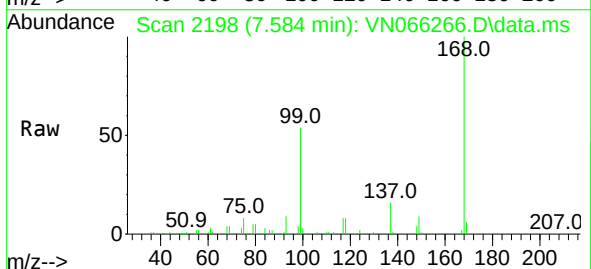
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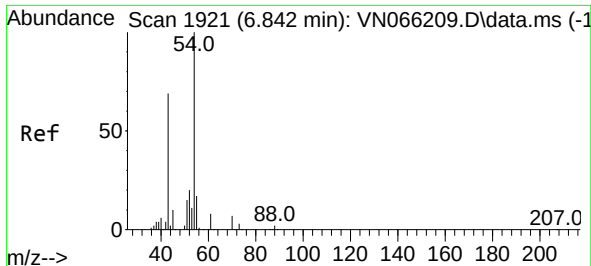
Tgt Ion:113 Resp: 166450
Ion Ratio Lower Upper
113 100
111 104.0 84.0 126.0
192 22.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.127 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

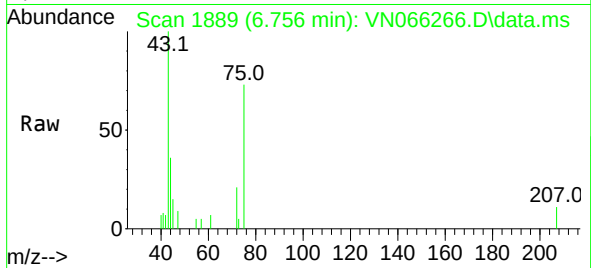
Tgt Ion: 75 Resp: 21353
Ion Ratio Lower Upper
75 100
110 6.8 16.0 48.0#
77 0.0 24.9 37.3#



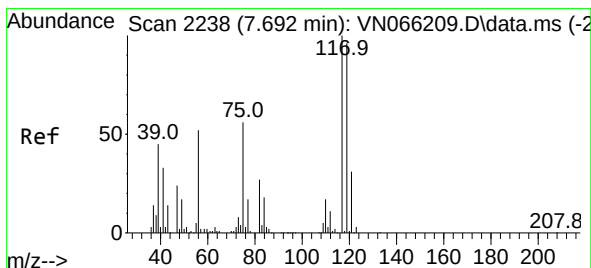
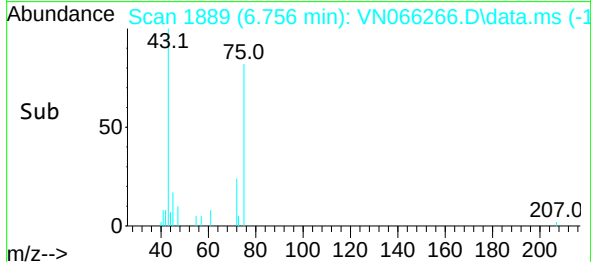
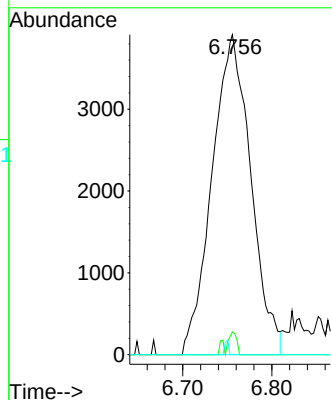


#37
Ethyl Acetate
Concen: 1.84 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. -0.086 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Instrument :
MSVOA_N
ClientSampled :

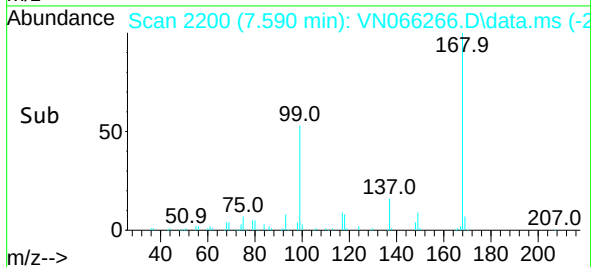
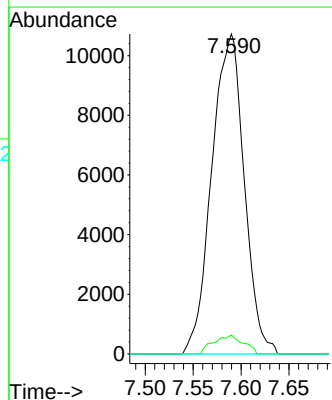
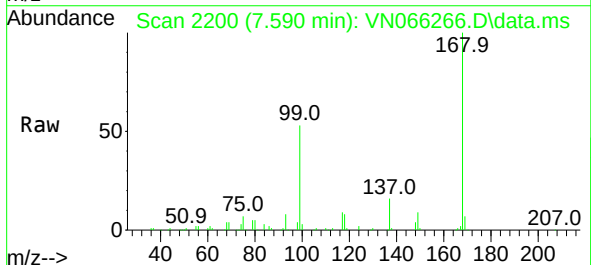


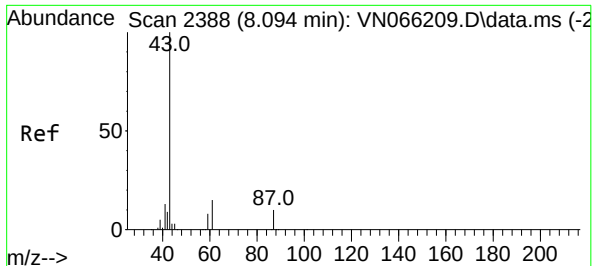
Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
61 1.5 9.2 13.8#
70 0.4 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.102 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 117 Resp: 25221
Ion Ratio Lower Upper
117 100
119 5.9 74.6 111.8#
121 0.0 23.9 35.9#

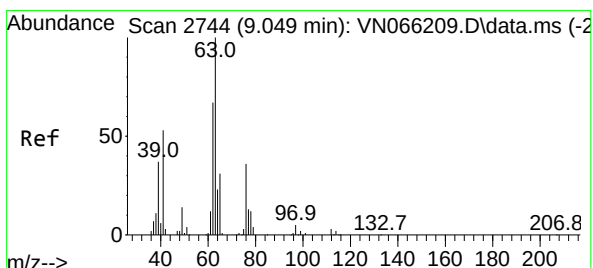
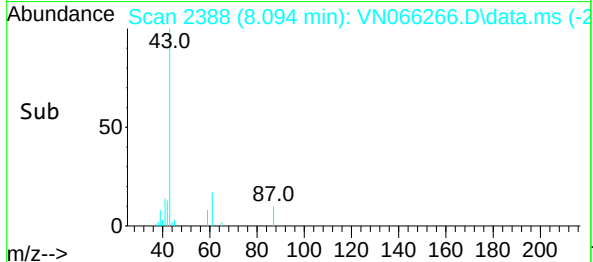
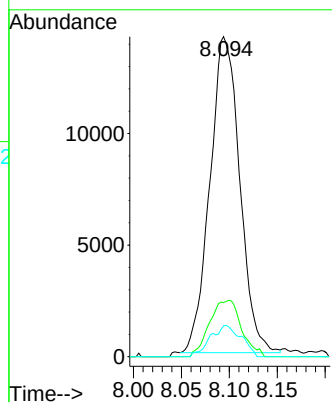
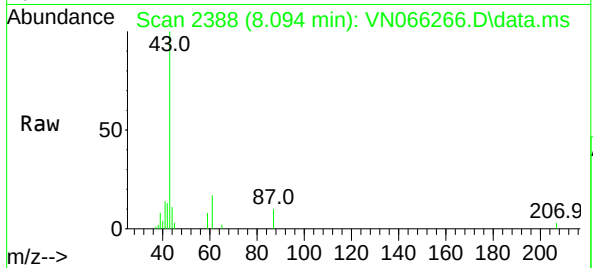




#43
Isopropyl Acetate
Concen: 3.08 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

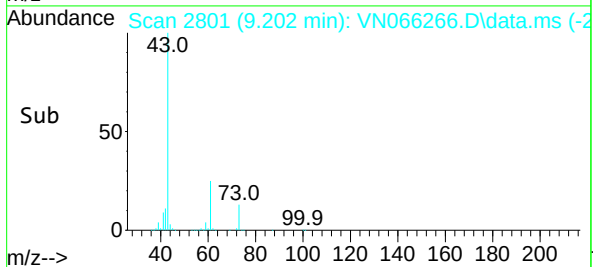
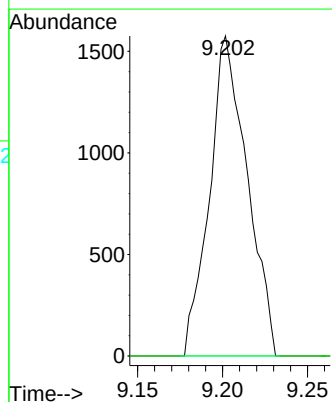
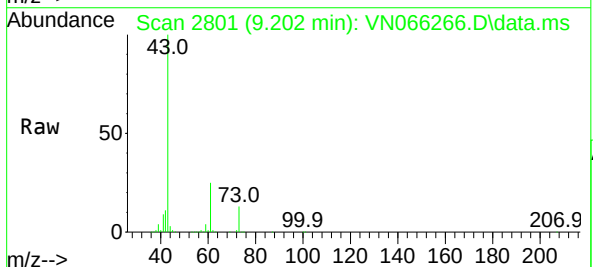
Instrument :
MSVOA_N
ClientSampled :

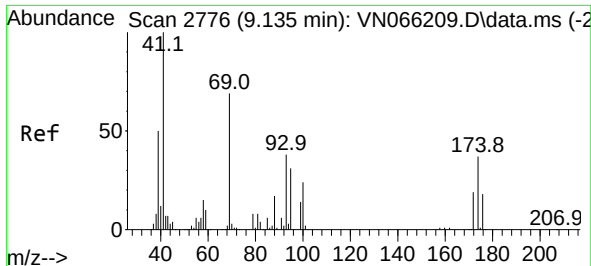
Tgt Ion:	43	Resp:	30701
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.0	21.0
87	10.2	7.9	11.9



#45
1,2-Dichloropropane
Concen: 0.62 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

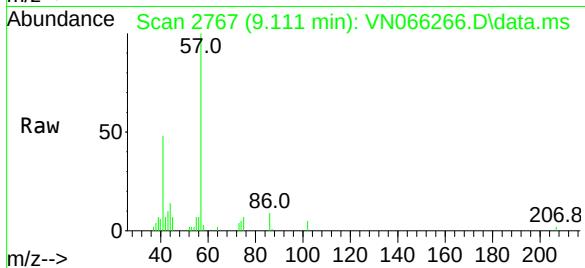
Tgt Ion:	63	Resp:	2432
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#



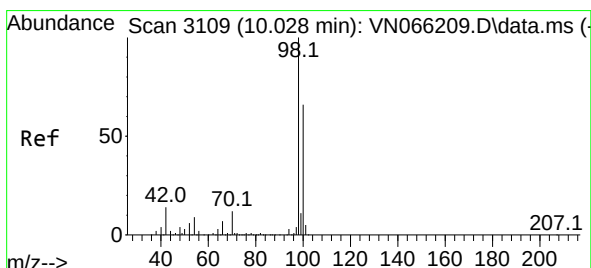
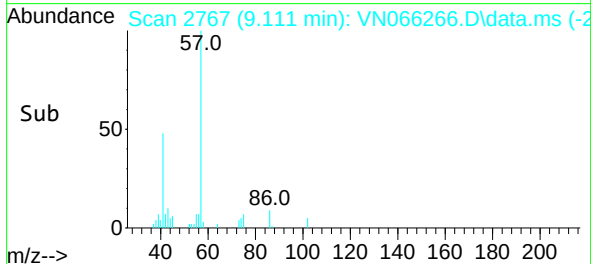
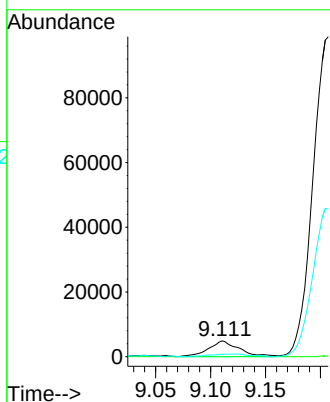


#48
Methyl methacrylate
Concen: 2.01 ug/l
RT: 9.111 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Instrument :
MSVOA_N
ClientSampled :

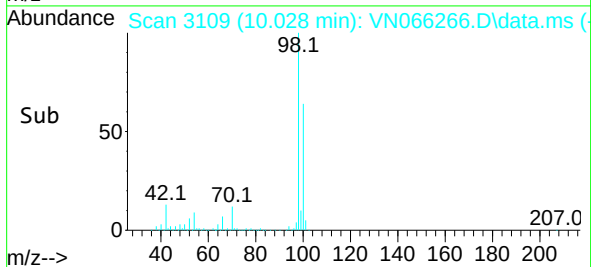
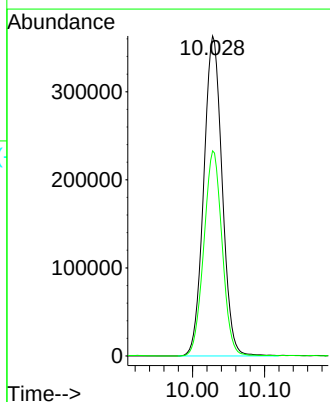
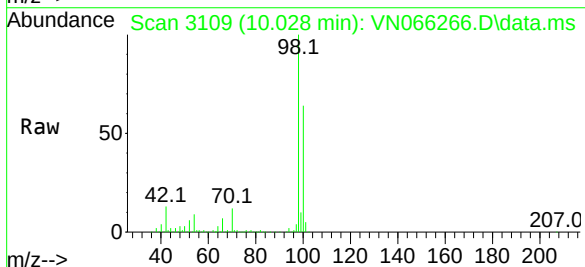


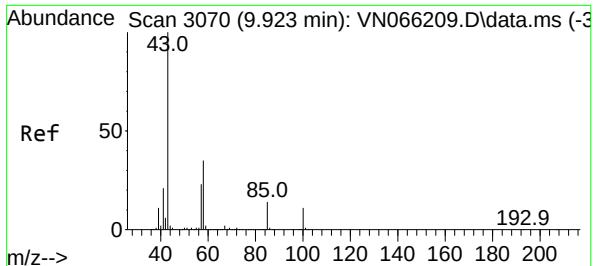
Tgt Ion: 41 Resp: 9484
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



#50
Toluene-d8
Concen: 58.96 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 98 Resp: 647684
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6

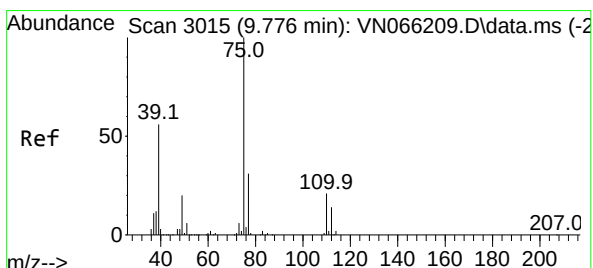
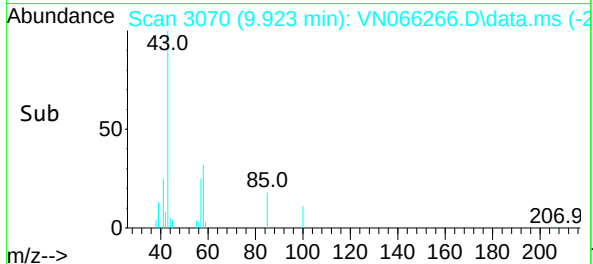
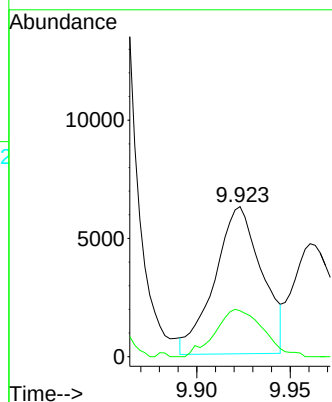
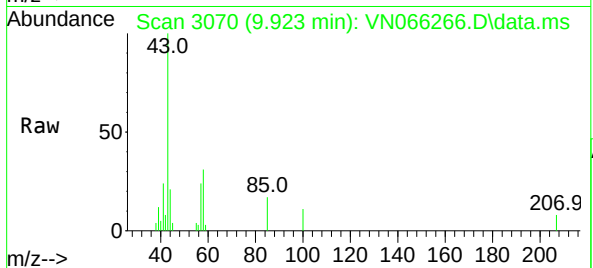




#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

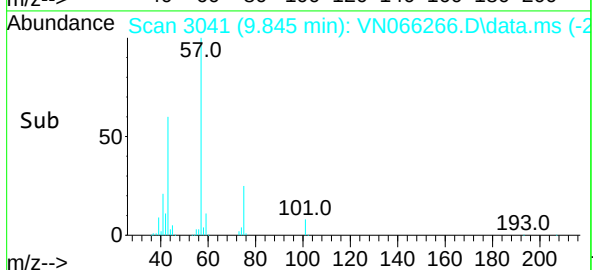
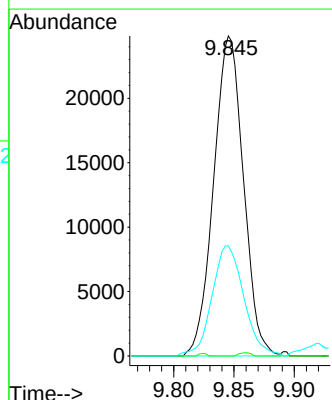
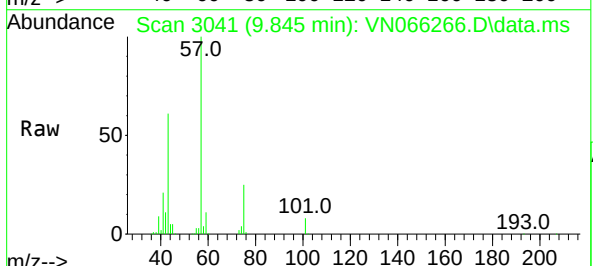
Instrument :
MSVOA_N
ClientSampled :

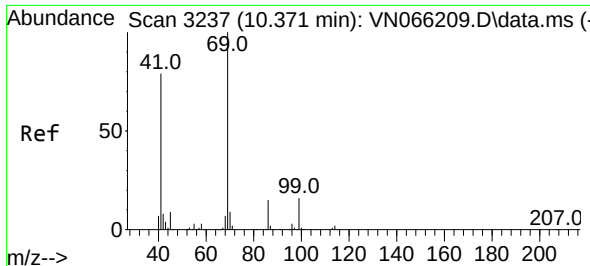
Tgt Ion: 43 Resp: 10920
Ion Ratio Lower Upper
43 100
58 32.6 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.29 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 75 Resp: 42637
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 33.8 46.2 69.2#

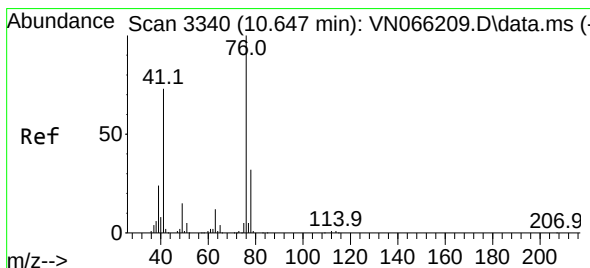
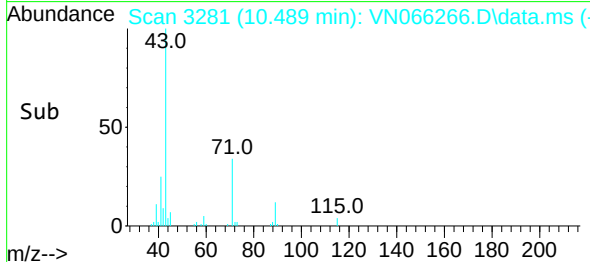
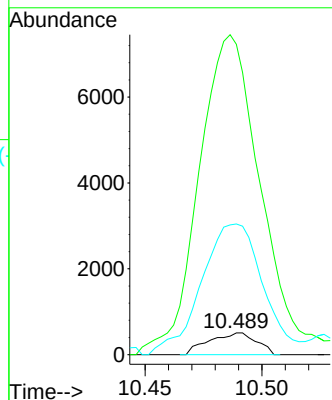
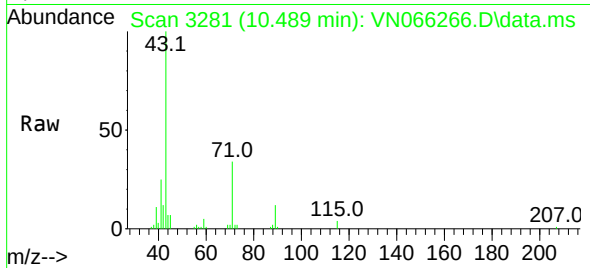




#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.489 min Scan# 3281
Delta R.T. 0.118 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

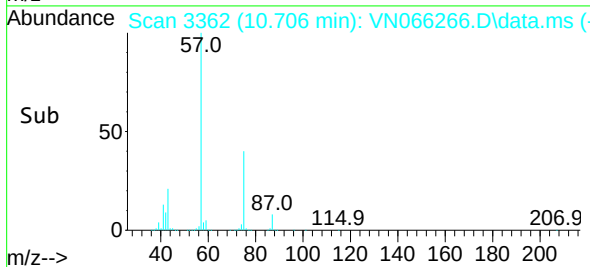
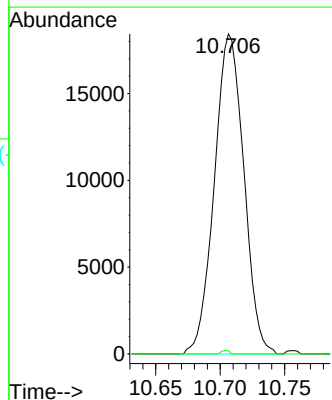
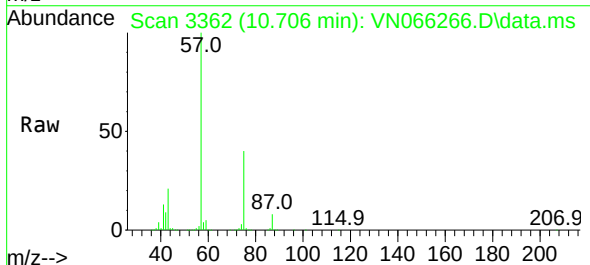
Instrument :
MSVOA_N
ClientSampled :

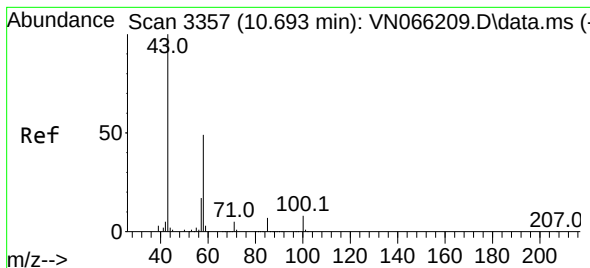
Tgt Ion: 69 Resp: 717
Ion Ratio Lower Upper
69 100
41 1910.2 66.2 99.4#
39 776.6 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.05 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 76 Resp: 29291
Ion Ratio Lower Upper
76 100
78 0.3 25.4 38.2#

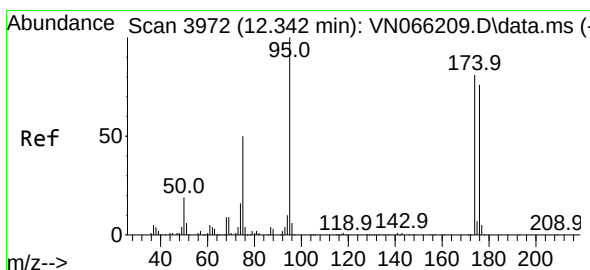
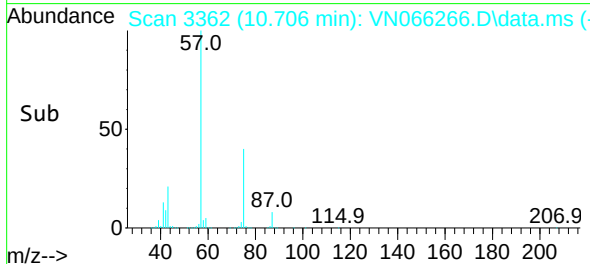
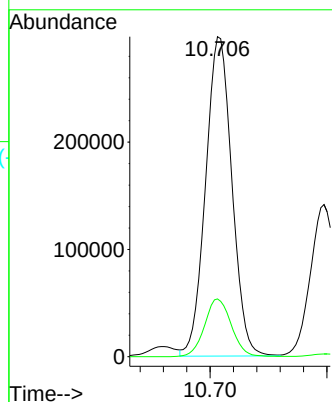
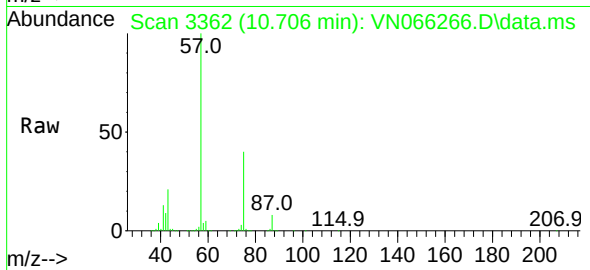




#59
2-Hexanone
Concen: 99.72 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

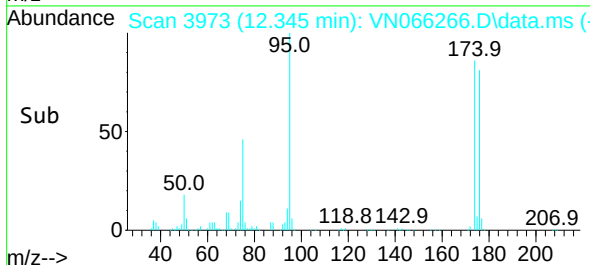
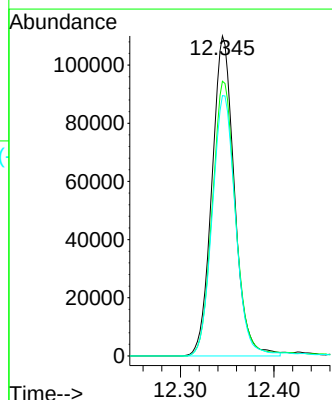
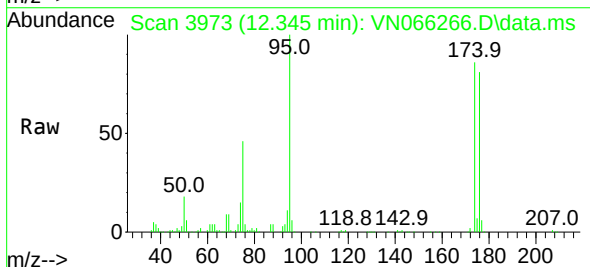
Instrument :
MSVOA_N
ClientSampled :

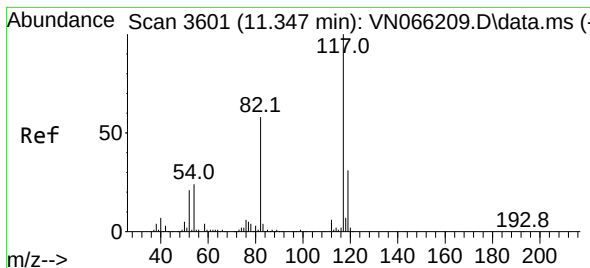
Tgt Ion: 43 Resp: 465871
Ion Ratio Lower Upper
43 100
58 18.5 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 46.43 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 95 Resp: 183875
Ion Ratio Lower Upper
95 100
174 88.4 0.0 162.4
176 84.7 0.0 156.2

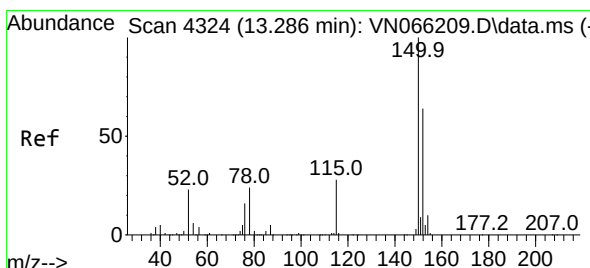
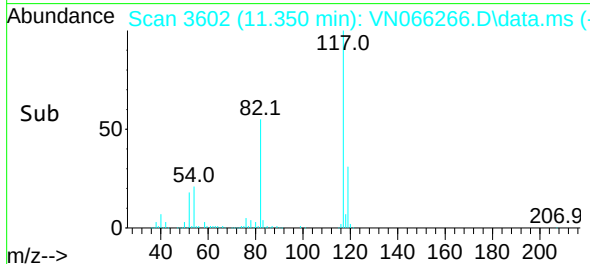
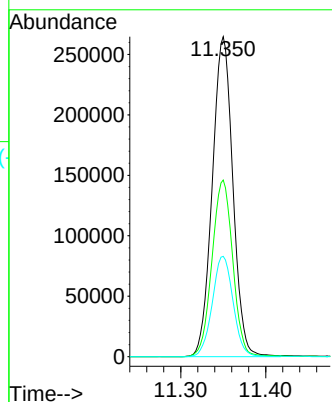
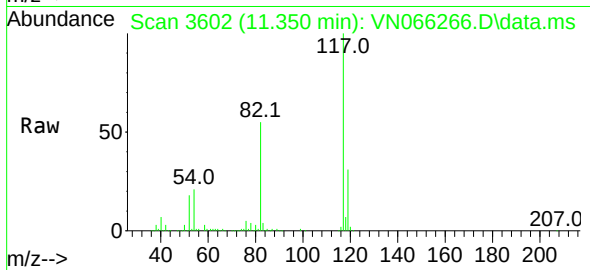




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

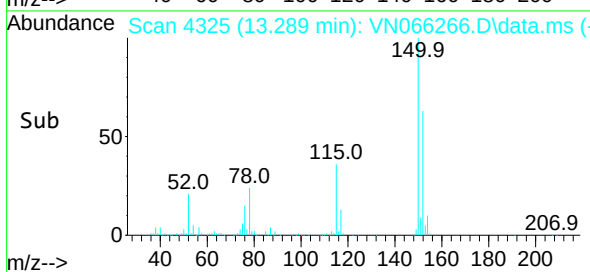
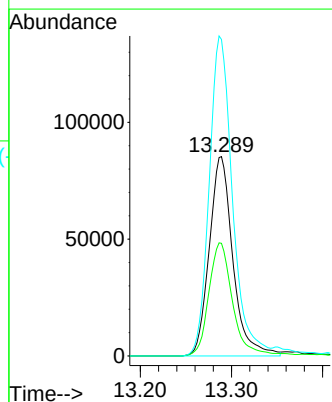
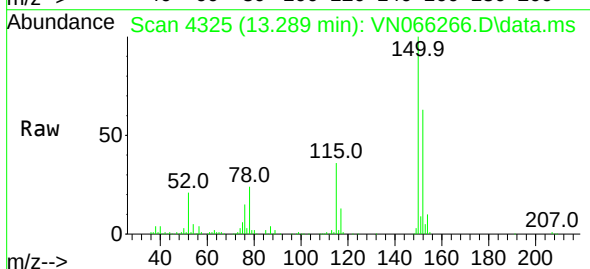
Instrument :
MSVOA_N
ClientSampled :

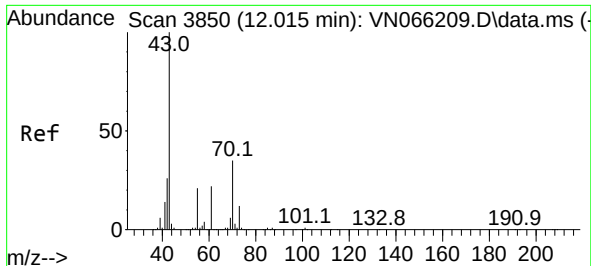
Tgt Ion:117 Resp: 446205
Ion Ratio Lower Upper
117 100
82 55.2 49.0 73.6
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

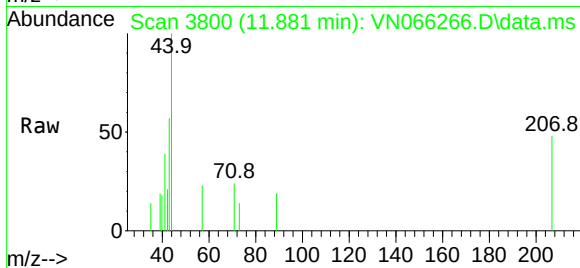
Tgt Ion:152 Resp: 153885
Ion Ratio Lower Upper
152 100
115 57.3 29.4 88.3
150 157.4 0.0 352.2



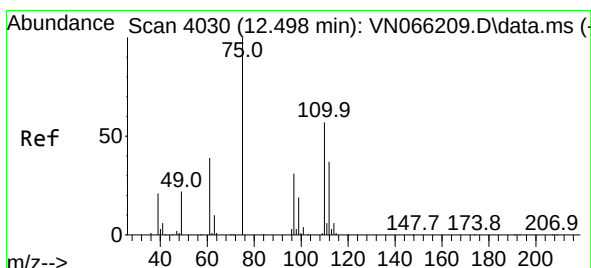
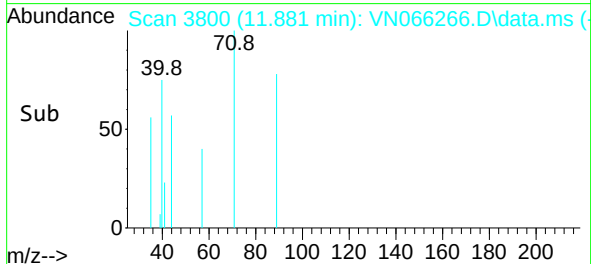
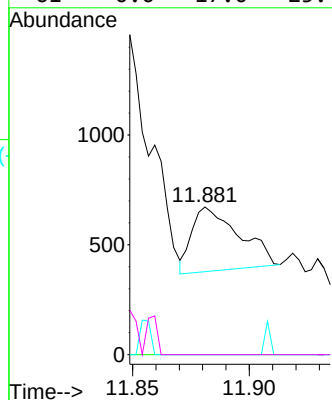


#74
N-amy1 acetate
Concen: 2.22 ug/l
RT: 11.881 min Scan# 3800
Delta R.T. -0.134 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

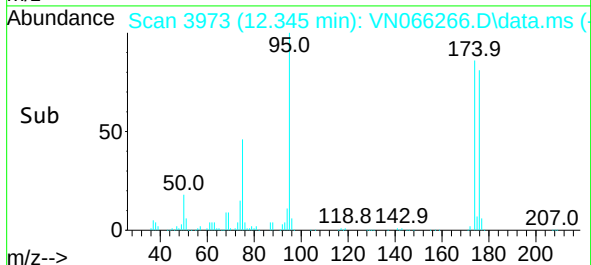
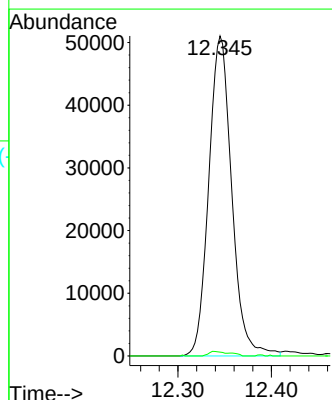
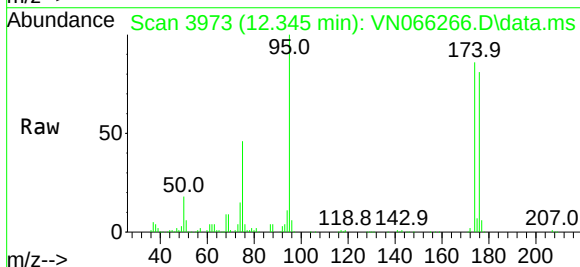


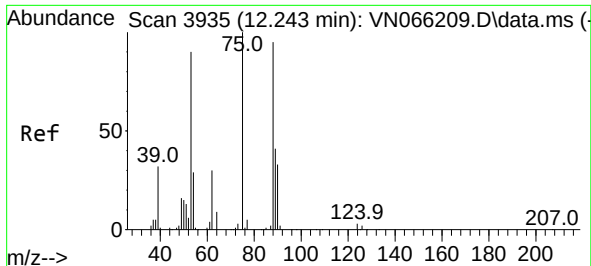
Tgt Ion:	43	Resp:	410
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.2	39.4#
55	0.0	17.2	25.8#
61	0.0	17.0	25.4#



#76
1,2,3-Trichloropropane
Concen: 21.91 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion:	75	Resp:	87073
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#

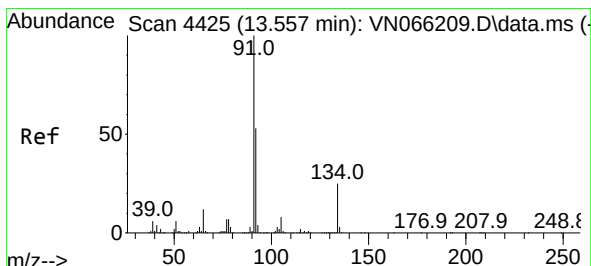
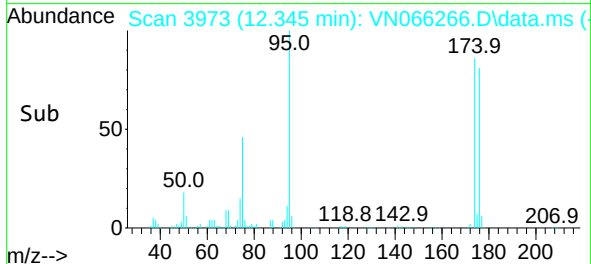
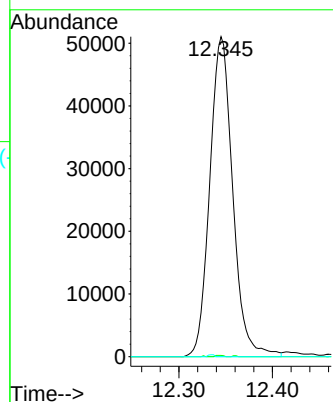
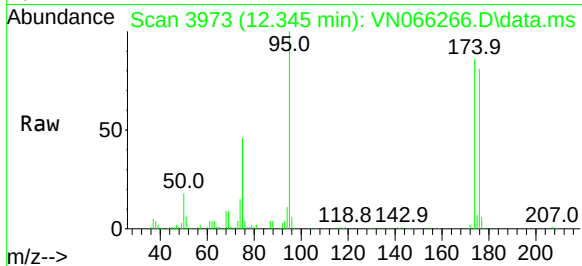




#81
trans-1,4-Dichloro-2-butene
Concen: 65.57 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

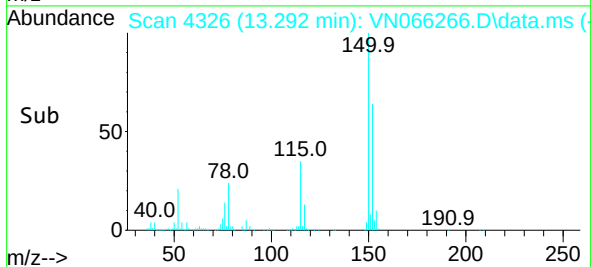
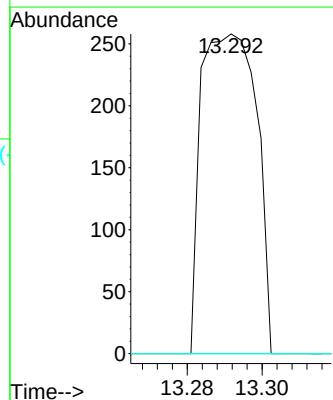
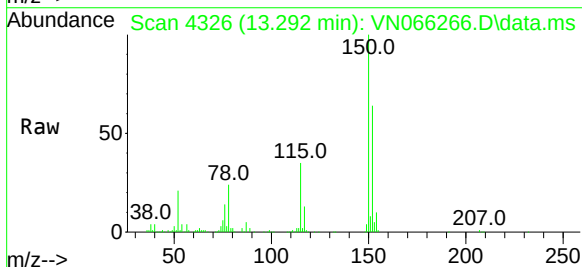
Instrument :
MSVOA_N
ClientSampled :

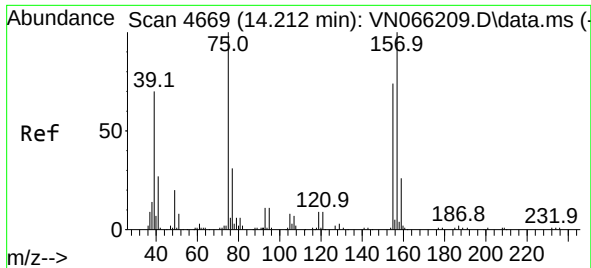
Tgt Ion: 75 Resp: 87073
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#



#89
n-Butylbenzene
Concen: 2.27 ug/l
RT: 13.292 min Scan# 4326
Delta R.T. -0.265 min
Lab File: VN066266.D
Acq: 18 Mar 2021 19:15

Tgt Ion: 91 Resp: 265
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.01 ug/l
 RT: 14.214 min Scan# 4670
 Delta R.T. 0.002 min
 Lab File: VN066266.D
 Acq: 18 Mar 2021 19:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 147
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

