

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031921\
 Data File : VN066287.D
 Acq On : 19 Mar 2021 17:48
 Operator : JC/MD
 Sample : M1712-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EXTERNAL-PAD-COMP

Quant Time: Mar 20 05:01:05 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)

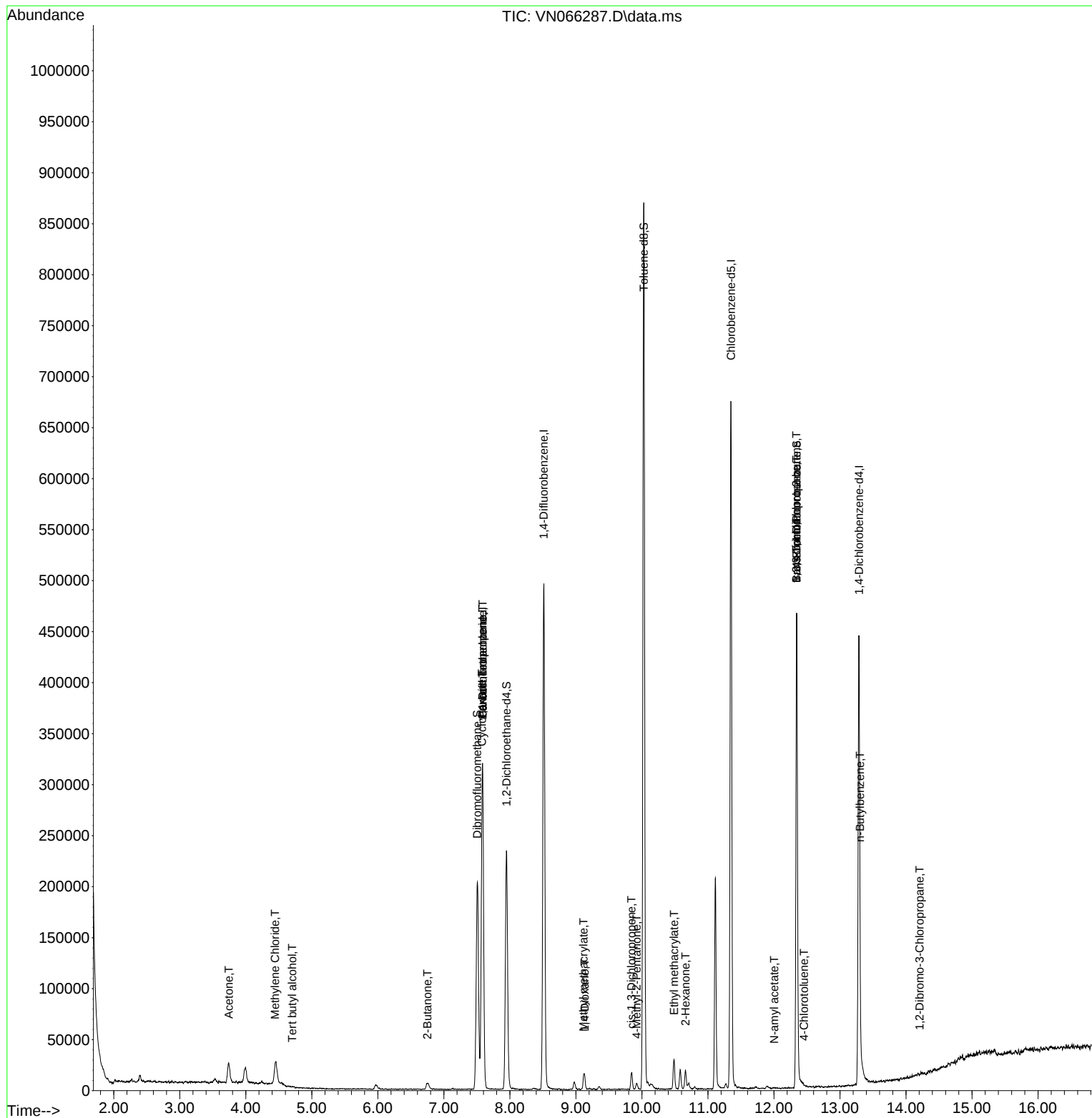
Internal Standards						
1) Pentafluorobenzene	7.587	168	286339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	435320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	384978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	140884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	198501	48.12	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.24%		
35) Dibromofluoromethane	7.507	113	157026	56.54	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	113.08%		
50) Toluene-d8	10.028	98	582457	54.24	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	108.48%		
62) 4-Bromofluorobenzene	12.345	95	155431	40.16	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	80.32%#		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.701	59	534	0.76	ug/l #	73
13) Acrolein	3.535	56	3134	Below Cal		97
16) Acetone	3.741	43	31582	15.94	ug/l #	89
20) Methylene Chloride	4.444	84	6653	2.15	ug/l #	81
25) 2-Butanone	6.750	43	5907	1.92	ug/l	100
31) Cyclohexane	7.579	56	4495	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	18971	4.30	ug/l #	48
38) Carbon Tetrachloride	7.587	117	23421	5.93	ug/l #	18
48) Methyl methacrylate	9.116	41	1283	0.28	ug/l #	45
49) 1,4-Dioxane	9.135	88	52	1.04	ug/l #	1
51) 4-Methyl-2-Pentanone	9.921	43	5088	0.86	ug/l	90
54) cis-1,3-Dichloropropene	9.840	75	2427	0.42	ug/l #	60
56) Ethyl methacrylate	10.486	69	404	2.23	ug/l #	1
59) 2-Hexanone	10.661	43	14162	4.39	ug/l #	29
71) Bromoform	12.342	173	933	0.41	ug/l #	1
74) N-amyl acetate	12.004	43	96	2.18	ug/l #	59
76) 1,2,3-Trichloropropane	12.342	75	78466	21.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.342	75	78466	64.54	ug/l #	11
82) 4-Chlorotoluene	12.458	91	60	0.48	ug/l #	43
89) n-Butylbenzene	13.302	91	28	2.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.209	75	131	1.00	ug/l #	8

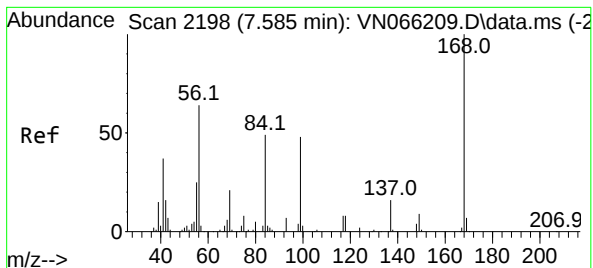
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 17 05:05:15 2021
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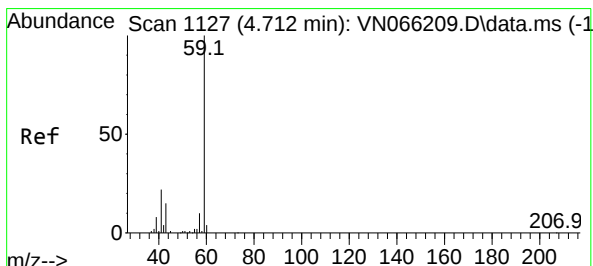
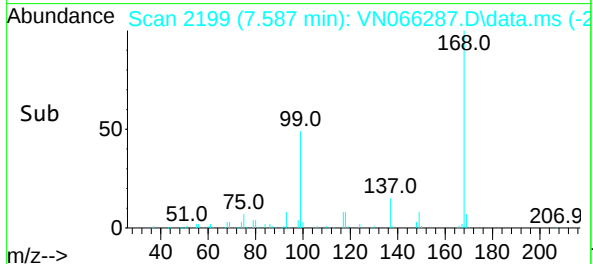
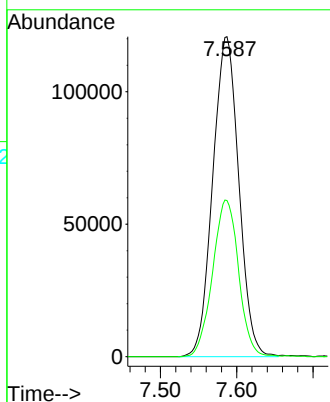
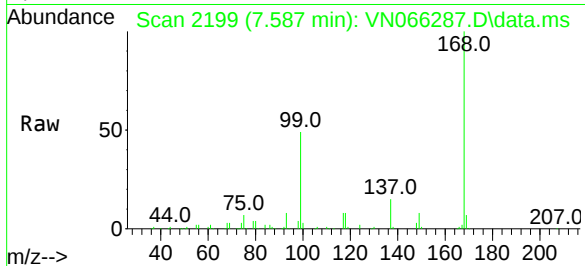




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

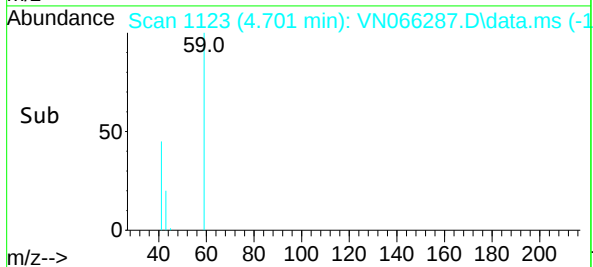
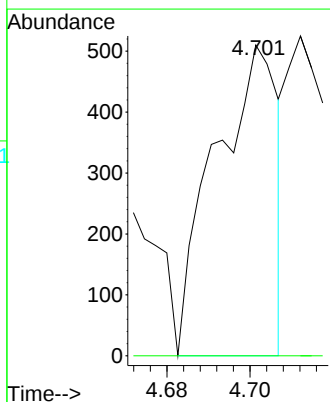
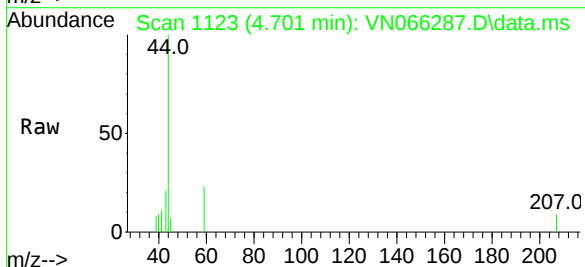
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

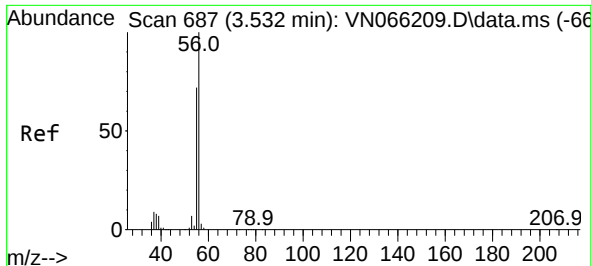
Tgt Ion:168 Resp: 286339
Ion Ratio Lower Upper
168 100
99 48.8 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.76 ug/l
RT: 4.701 min Scan# 1123
Delta R.T. -0.011 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

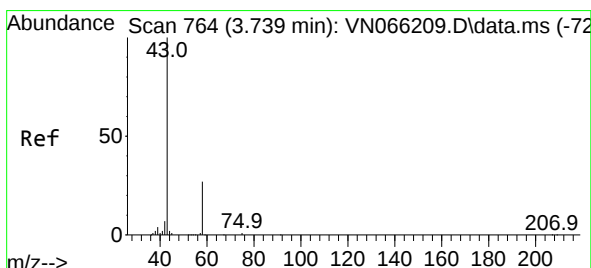
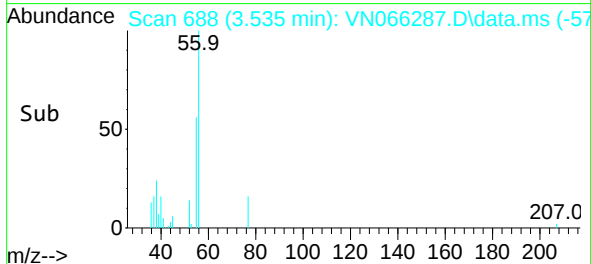
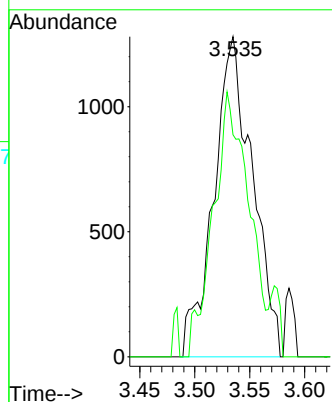
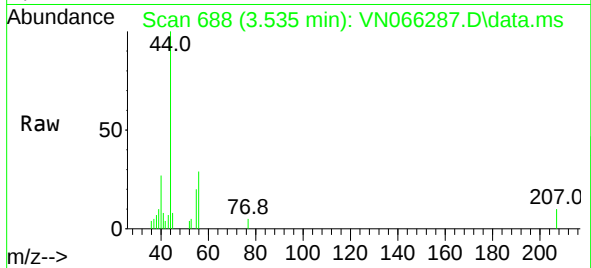




#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

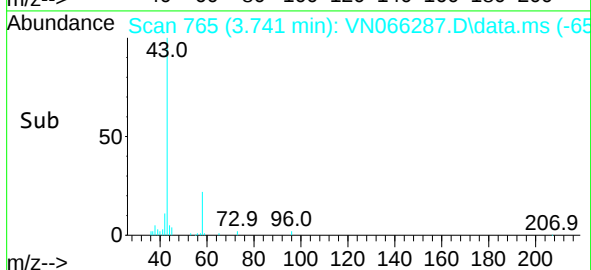
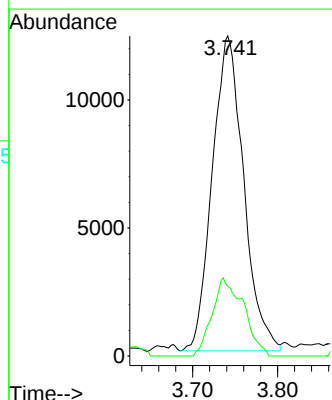
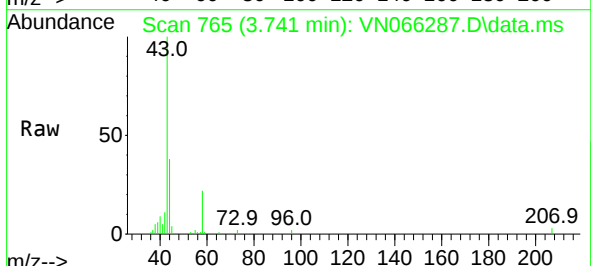
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

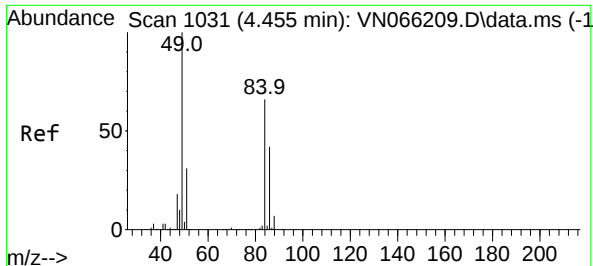
Tgt Ion: 56 Resp: 3134
Ion Ratio Lower Upper
56 100
55 75.1 58.0 87.0



#16
Acetone
Concen: 15.94 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 43 Resp: 31582
Ion Ratio Lower Upper
43 100
58 22.1 22.3 33.5#





#20

Methylene Chloride

Concen: 2.15 ug/l

RT: 4.444 min Scan# 1027

Delta R.T. -0.011 min

Lab File: VN066287.D

Acq: 19 Mar 2021 17:48

Tgt Ion: 84 Resp: 6653

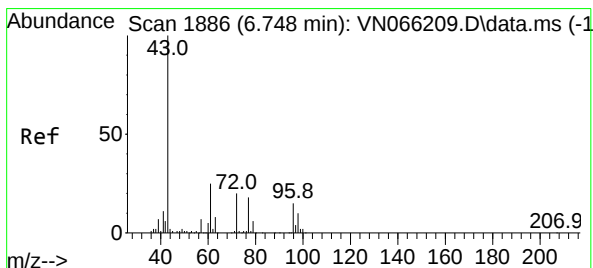
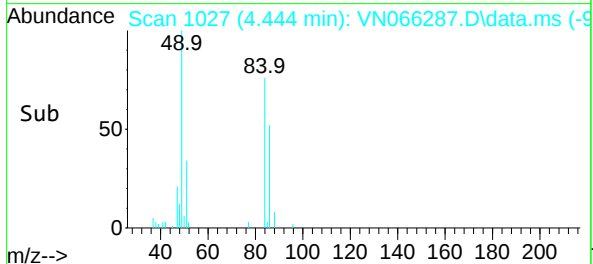
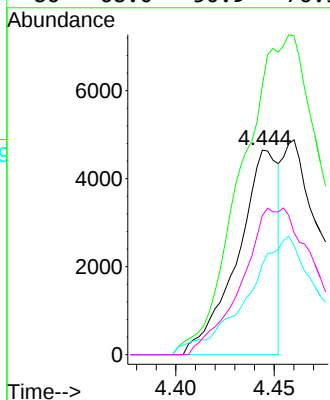
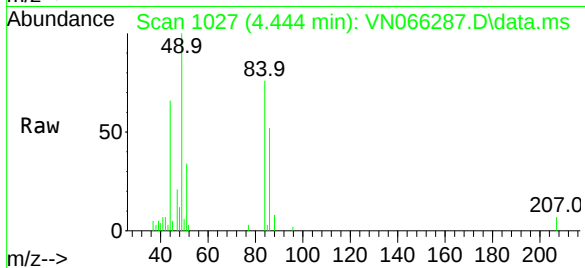
Ion Ratio Lower Upper

84 100

49 128.0 130.0 195.0#

51 40.4 39.1 58.7

86 68.0 50.9 76.3



#25

2-Butanone

Concen: 1.92 ug/l

RT: 6.750 min Scan# 1887

Delta R.T. 0.002 min

Lab File: VN066287.D

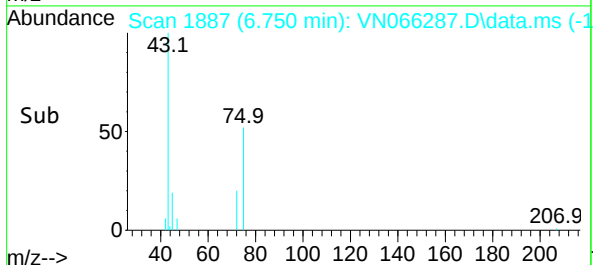
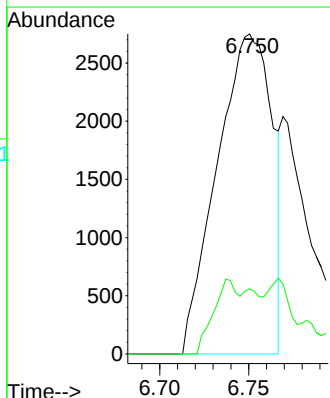
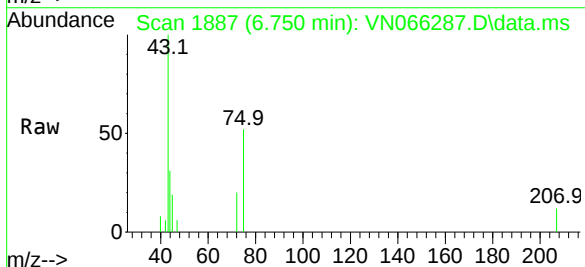
Acq: 19 Mar 2021 17:48

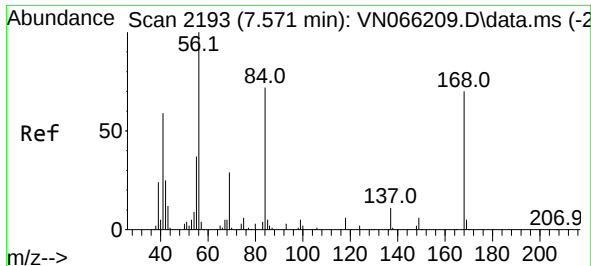
Tgt Ion: 43 Resp: 5907

Ion Ratio Lower Upper

43 100

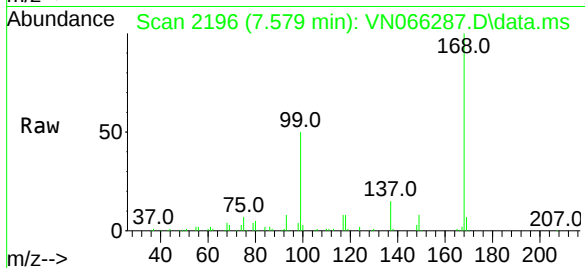
72 20.3 16.2 24.2



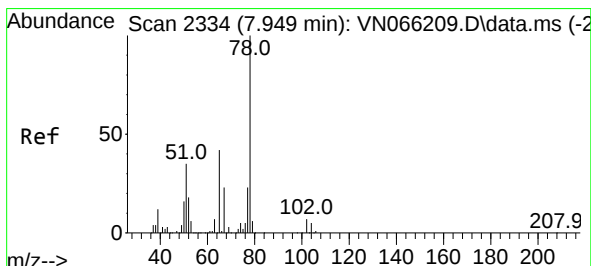
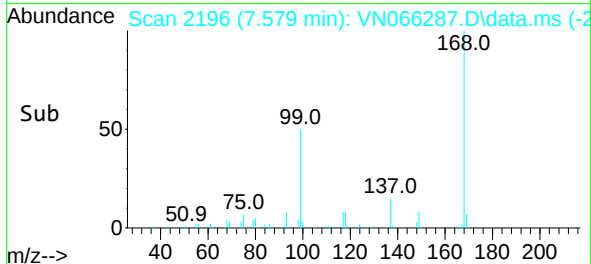
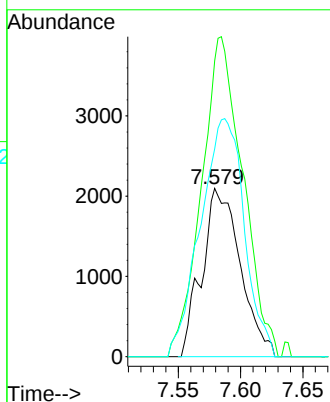


#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.008 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Instrument :
MSVOA_N
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EXTERNAL-PAD-COMP

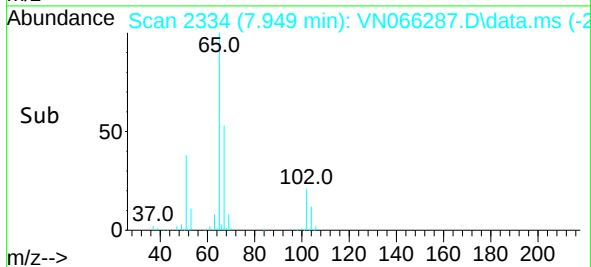
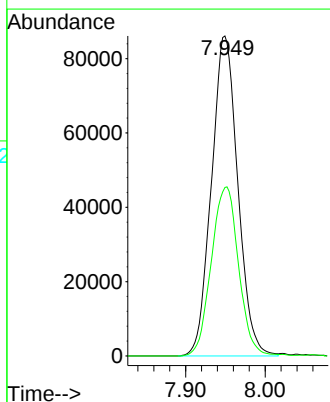
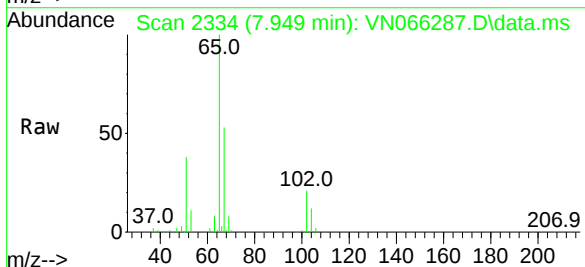


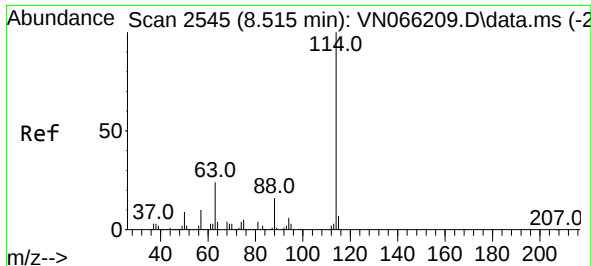
Tgt Ion	Ratio	Lower	Upper
56	100		
69	175.8	23.4	35.0#
84	123.5	57.8	86.6#



#33
1,2-Dichloroethane-d4
Concen: 48.12 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	107.2

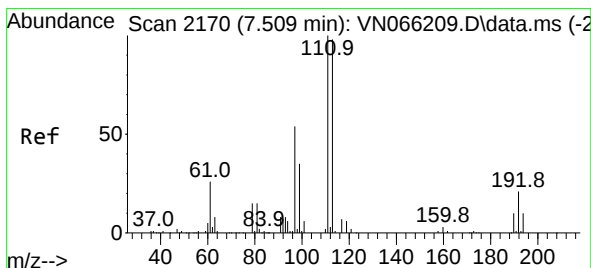
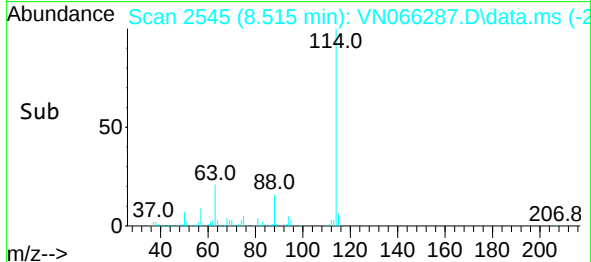
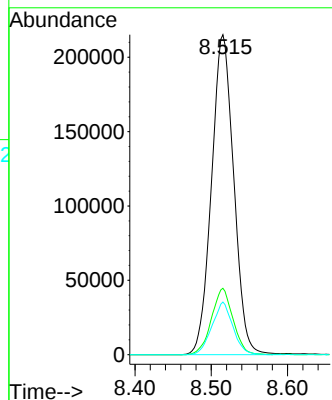
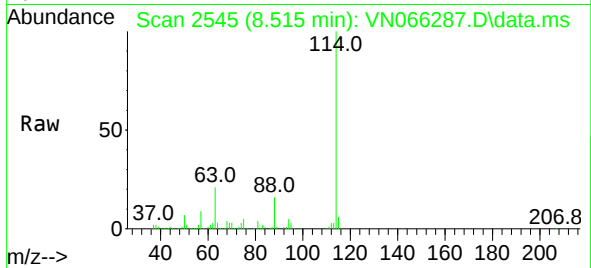




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

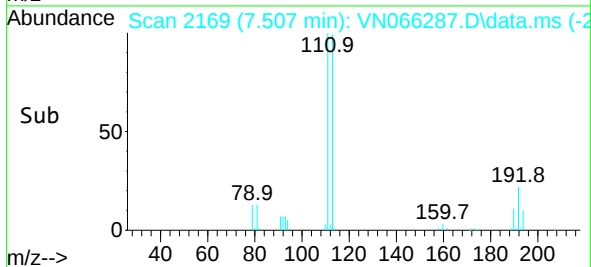
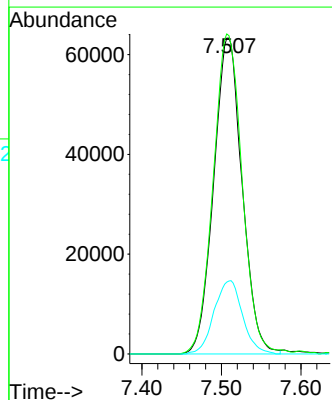
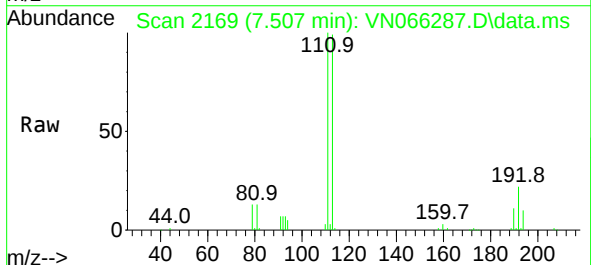
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

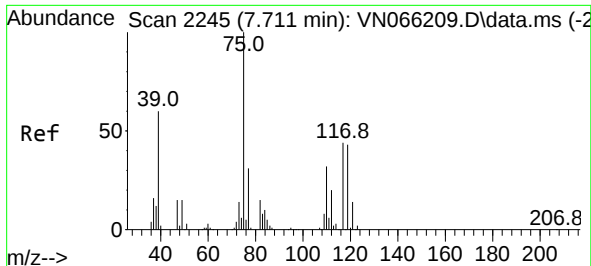
Tgt Ion:114 Resp: 435320
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.2
88 16.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 56.54 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

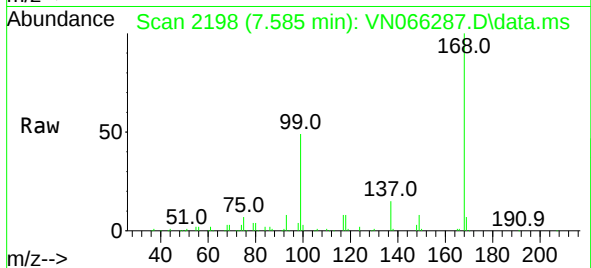
Tgt Ion:113 Resp: 157026
Ion Ratio Lower Upper
113 100
111 103.0 84.0 126.0
192 23.3 16.7 25.1



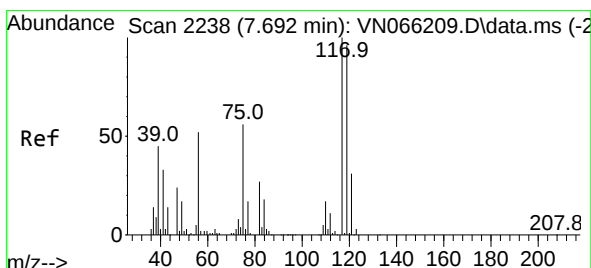
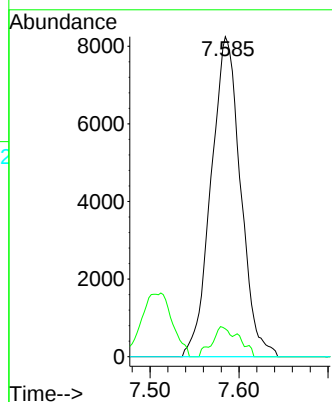
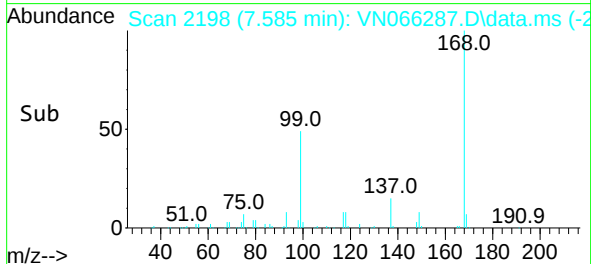


#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 7.585 min Scan# 2198
 Delta R.T. -0.126 min
 Lab File: VN066287.D
 Acq: 19 Mar 2021 17:48

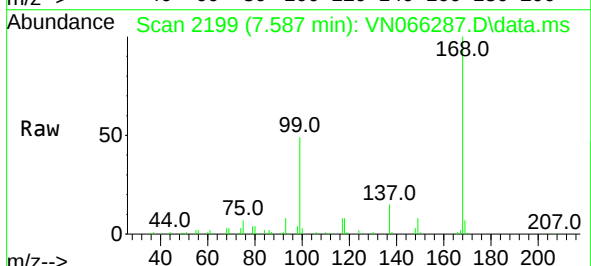
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 EXTERNAL-PAD-COMP



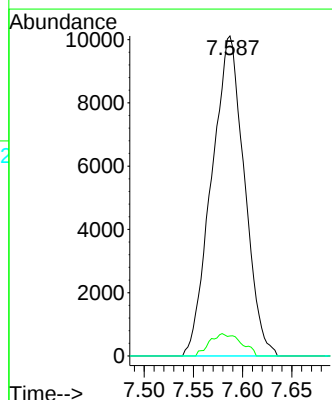
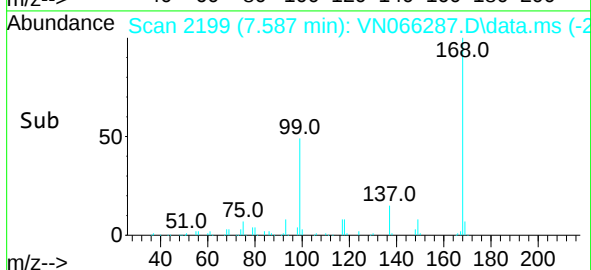
Tgt Ion: 75 Resp: 18971
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.0 48.0#
 77 0.0 24.9 37.3#

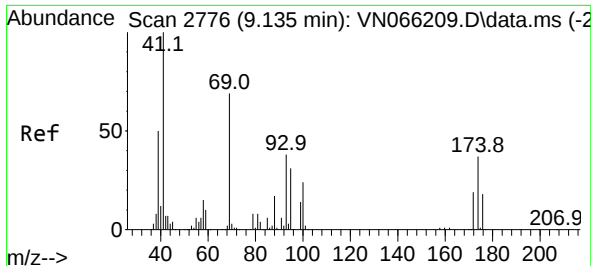


#38
 Carbon Tetrachloride
 Concen: 5.93 ug/l
 RT: 7.587 min Scan# 2199
 Delta R.T. -0.105 min
 Lab File: VN066287.D
 Acq: 19 Mar 2021 17:48



Tgt Ion: 117 Resp: 23421
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.6 111.8#
 121 0.0 23.9 35.9#

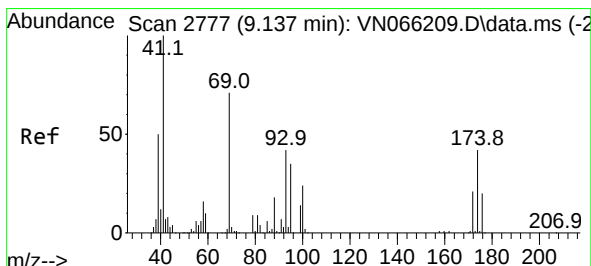
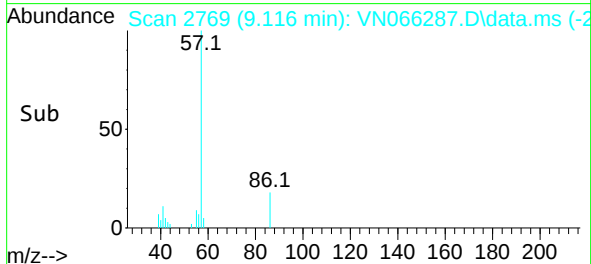
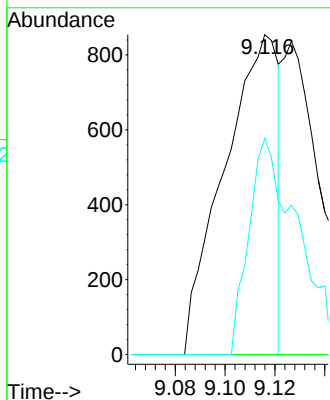
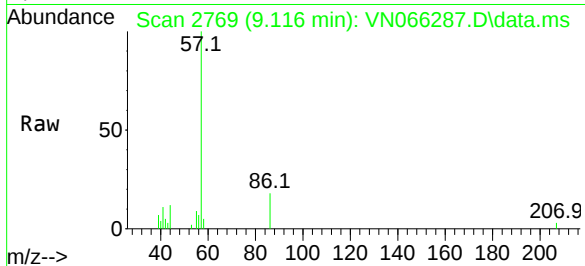




#48
Methyl methacrylate
Concen: 0.28 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

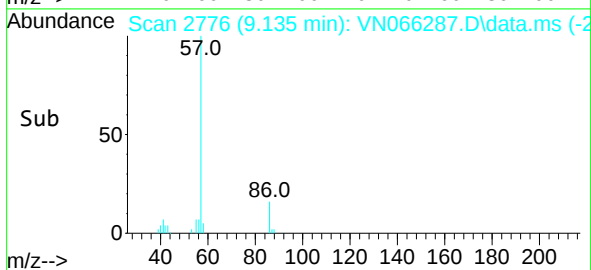
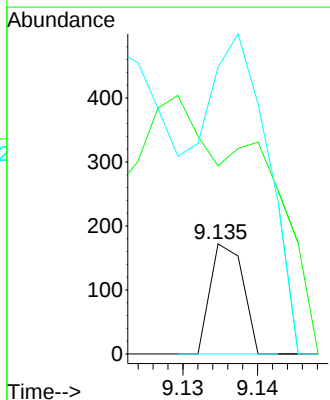
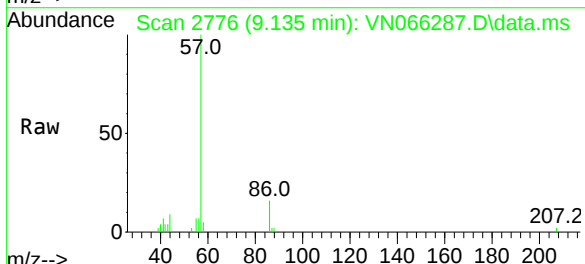
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

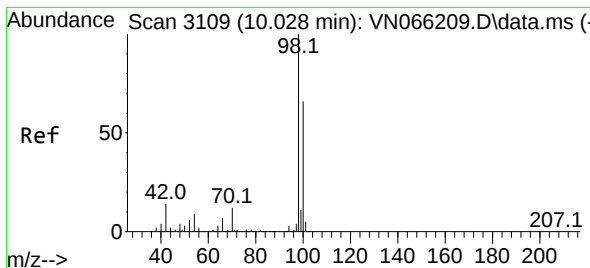
Tgt Ion: 41 Resp: 1283
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 60.3 40.2 60.2#



#49
1,4-Dioxane
Concen: 1.04 ug/l
RT: 9.135 min Scan# 2776
Delta R.T. -0.002 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 1330.8 34.4 51.6#
58 590.4 67.3 100.9#

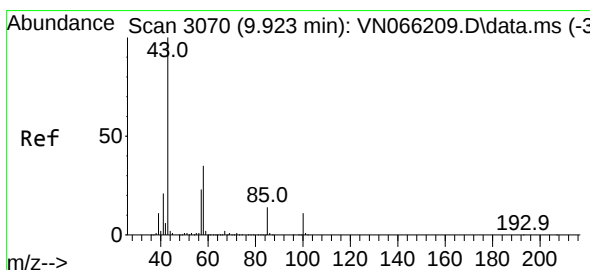
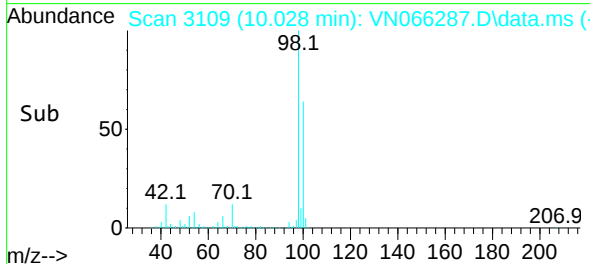
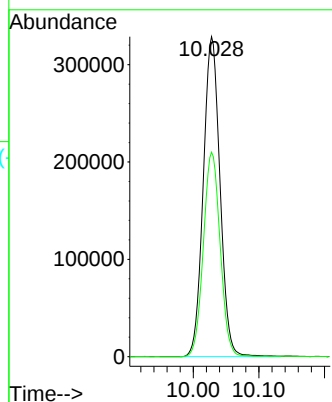
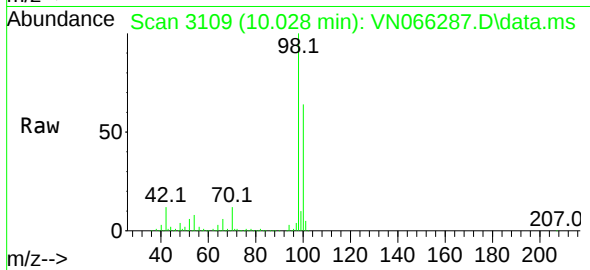




#50
Toluene-d8
Concen: 54.24 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

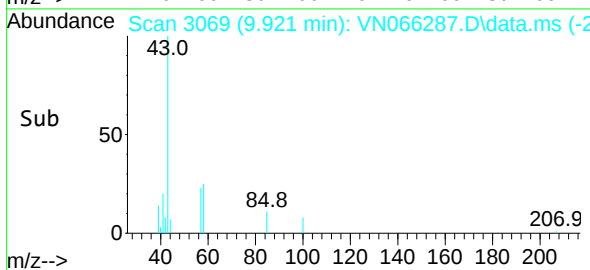
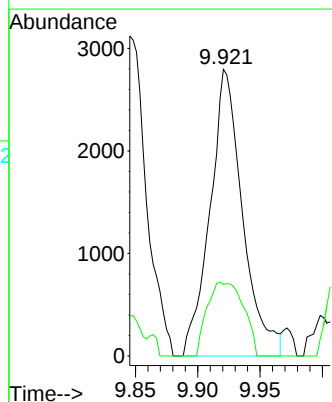
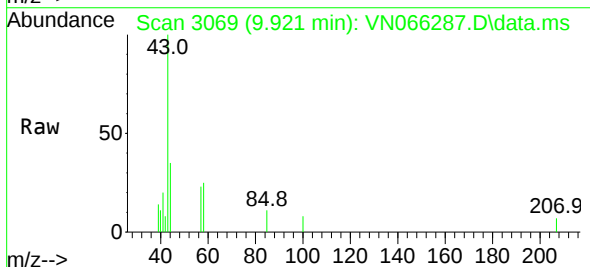
Instrument :
MSVOA_N
ClientSampleId :
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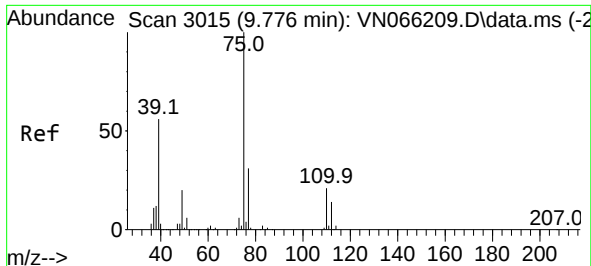
Tgt Ion: 98 Resp: 582457
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.86 ug/l
RT: 9.921 min Scan# 3069
Delta R.T. -0.002 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
58 28.5 27.5 41.3

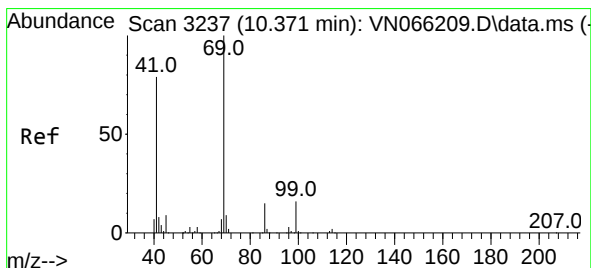
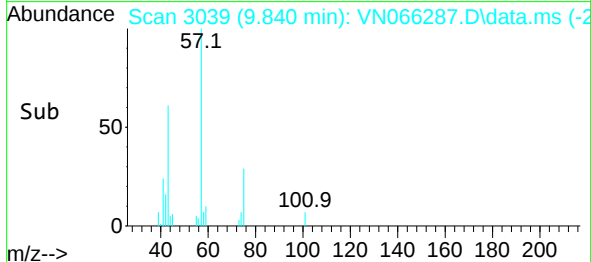
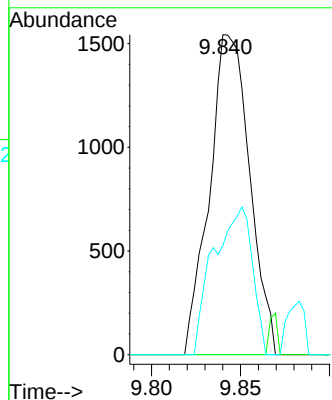
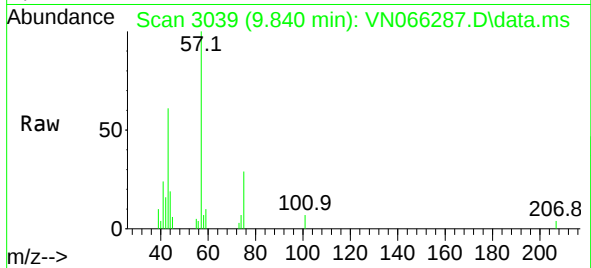




#54
cis-1,3-Dichloropropene
Concen: 0.42 ug/l
RT: 9.840 min Scan# 3039
Delta R.T. 0.064 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

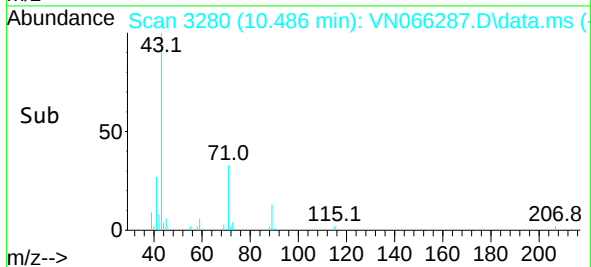
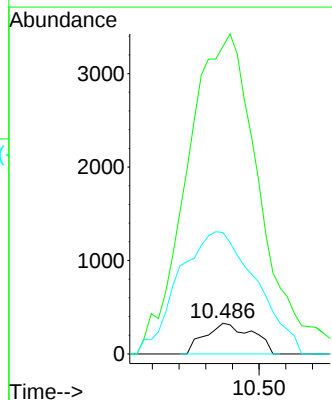
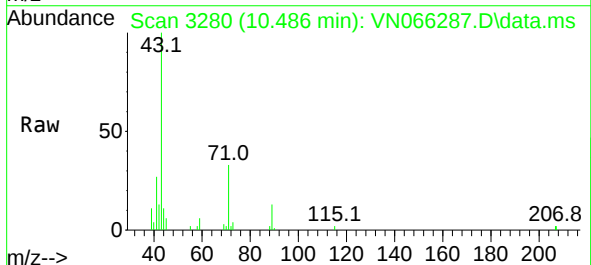
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

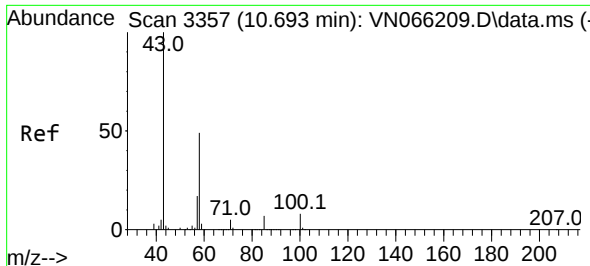
Tgt Ion: 75 Resp: 2427
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 34.2 46.2 69.2#



#56
Ethyl methacrylate
Concen: 2.23 ug/l
RT: 10.486 min Scan# 3280
Delta R.T. 0.115 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 69 Resp: 404
Ion Ratio Lower Upper
69 100
41 1592.6 66.2 99.4#
39 652.0 31.5 47.3#

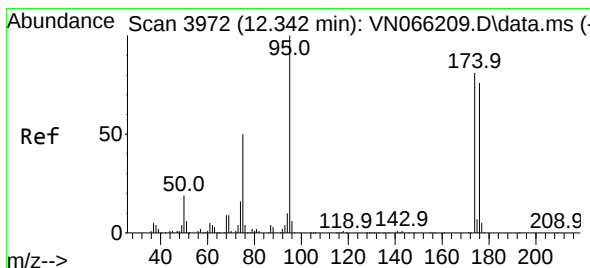
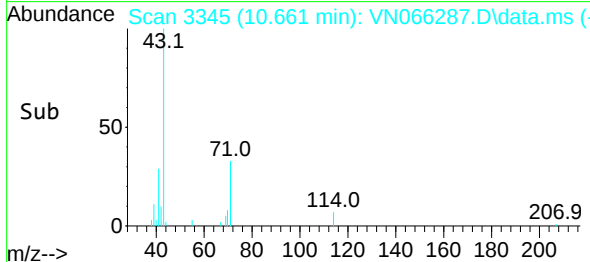
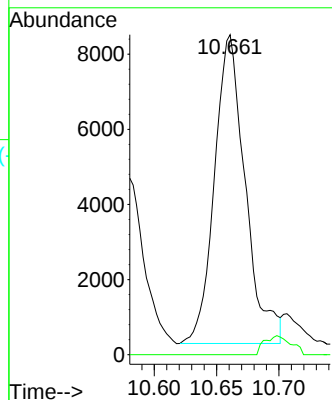
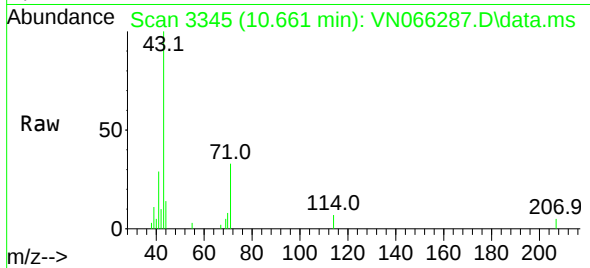




#59
2-Hexanone
Concen: 4.39 ug/l
RT: 10.661 min Scan# 3345
Delta R.T. -0.032 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

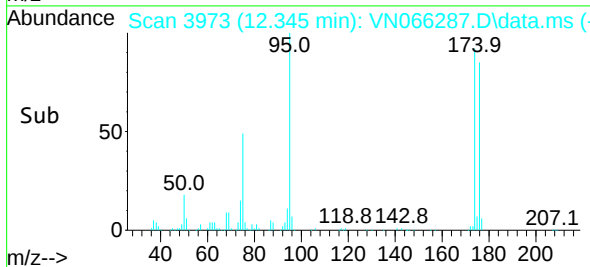
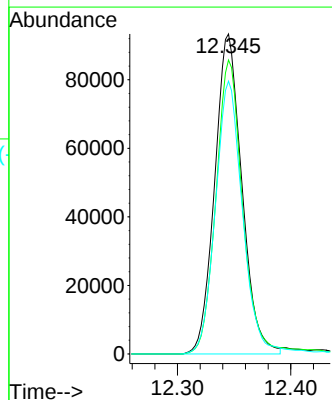
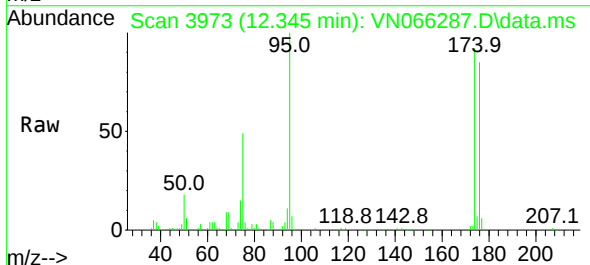
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

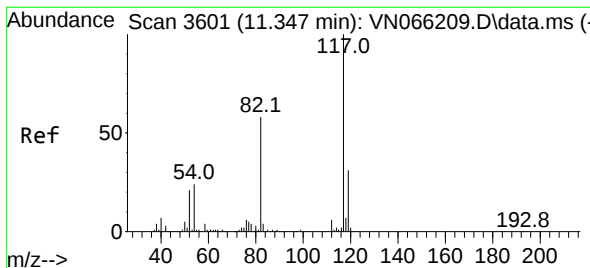
Tgt Ion: 43 Resp: 14162
Ion Ratio Lower Upper
43 100
58 0.0 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 40.16 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

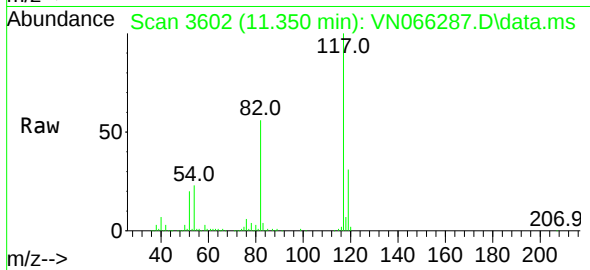
Tgt Ion: 95 Resp: 155431
Ion Ratio Lower Upper
95 100
174 91.5 0.0 162.4
176 85.7 0.0 156.2



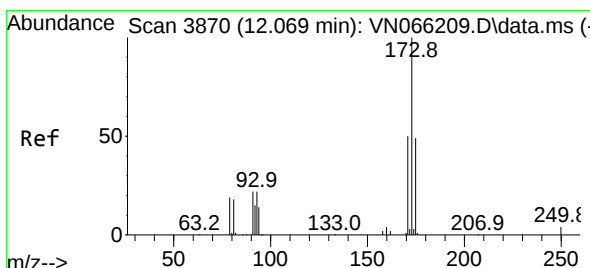
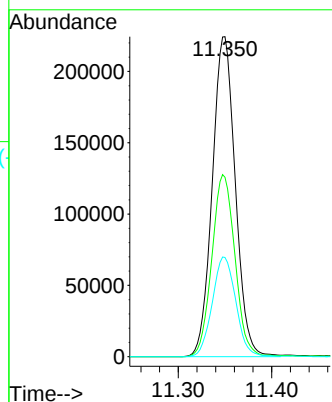
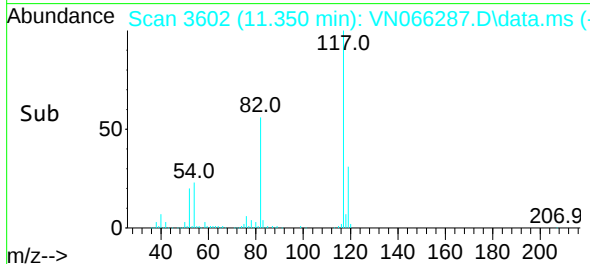


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

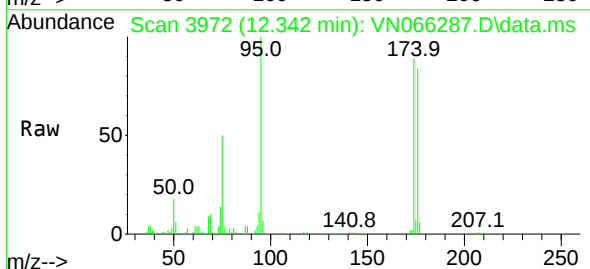
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP



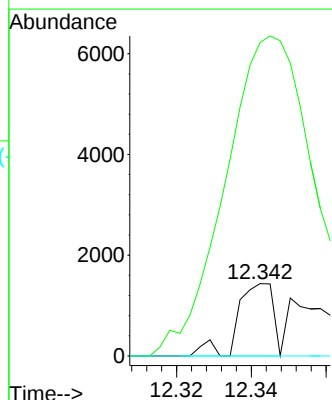
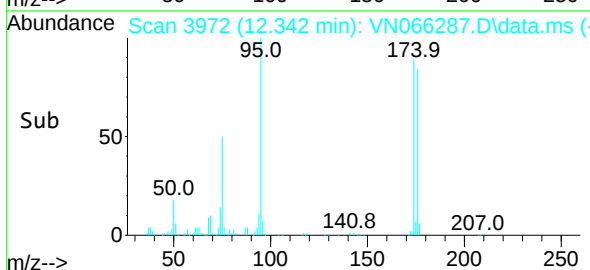
Tgt Ion:117 Resp: 384978
Ion Ratio Lower Upper
117 100
82 56.1 49.0 73.6
119 31.0 25.7 38.5

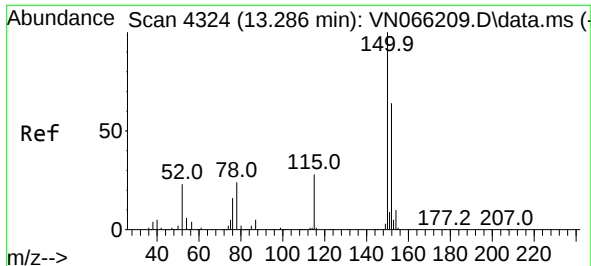


#71
Bromoform
Concen: 0.41 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.273 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48



Tgt Ion:173 Resp: 933
Ion Ratio Lower Upper
173 100
175 1026.0 23.9 71.8#
254 0.0 0.0 0.0

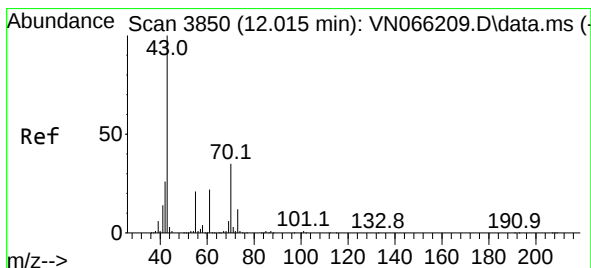
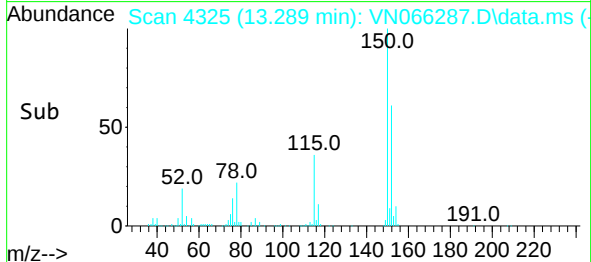
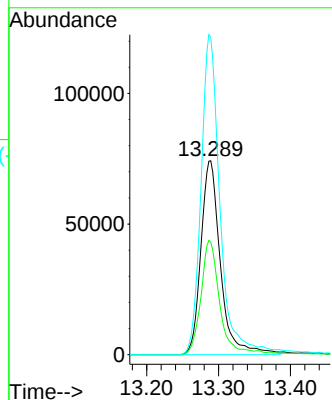
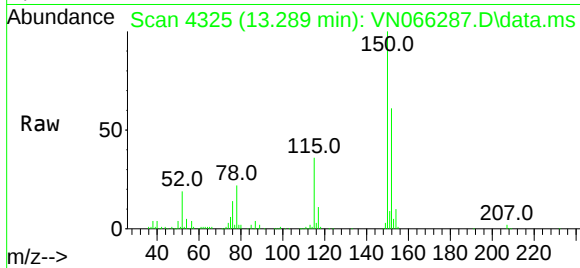




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

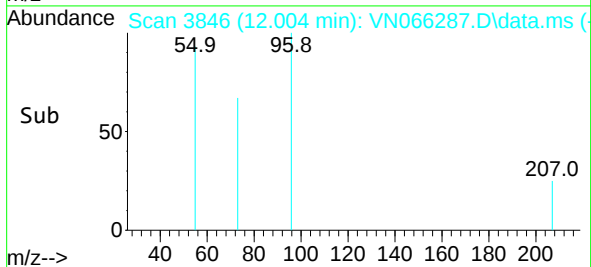
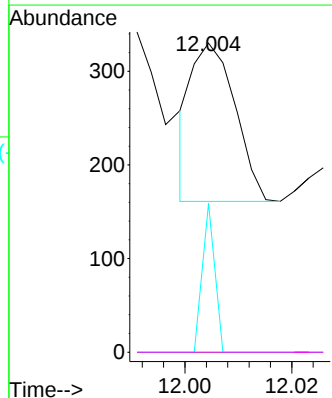
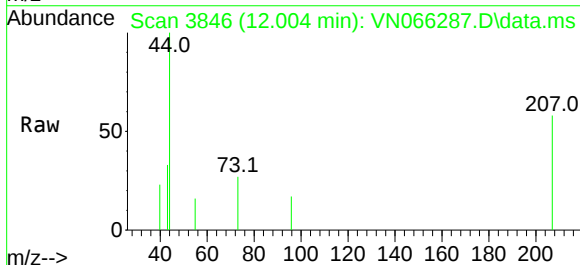
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

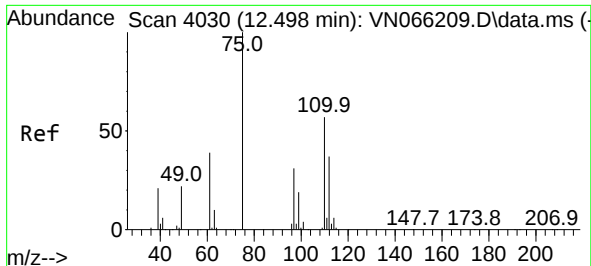
Tgt Ion:152 Resp: 140884
Ion Ratio Lower Upper
152 100
115 55.3 29.4 88.3
150 157.2 0.0 352.2



#74
N-ethyl acetate
Concen: 2.18 ug/l
RT: 12.004 min Scan# 3846
Delta R.T. -0.011 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 27.1 17.2 25.8#
61 0.0 17.0 25.4#

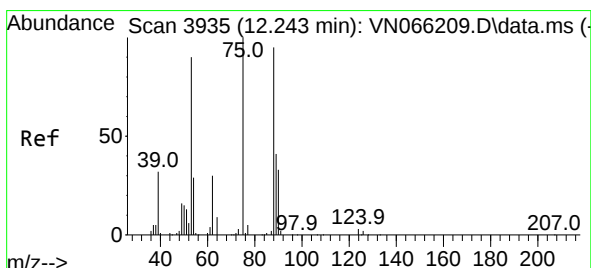
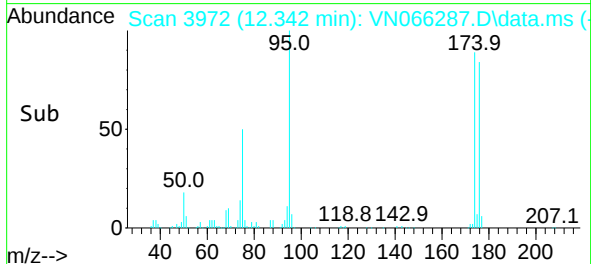
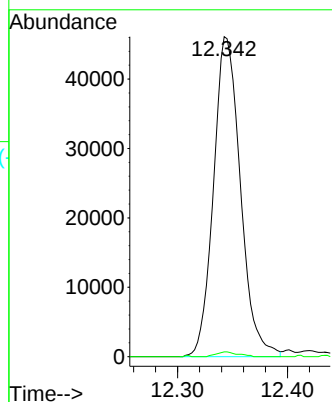
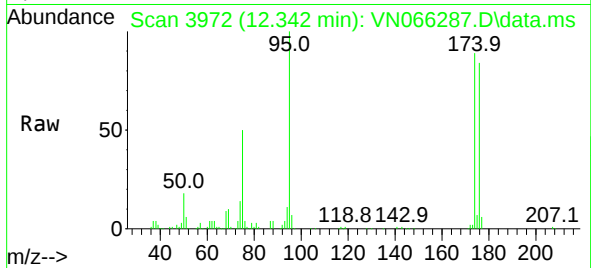




#76
1,2,3-Trichloropropane
Concen: 21.57 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. -0.156 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

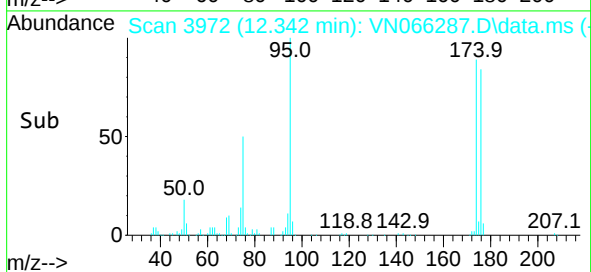
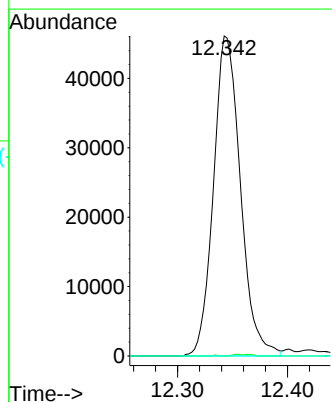
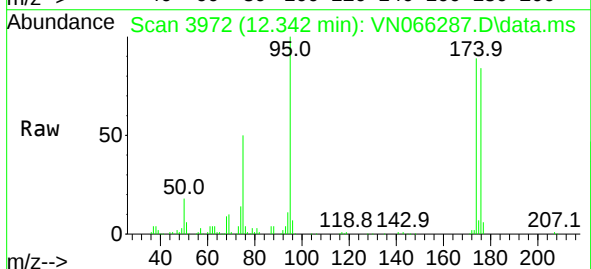
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

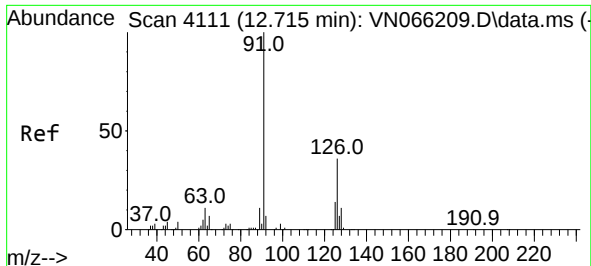
Tgt Ion: 75 Resp: 78466
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.54 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.099 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

Tgt Ion: 75 Resp: 78466
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.6#
89 0.0 33.7 50.5#

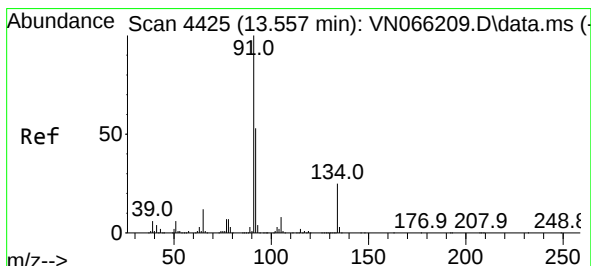
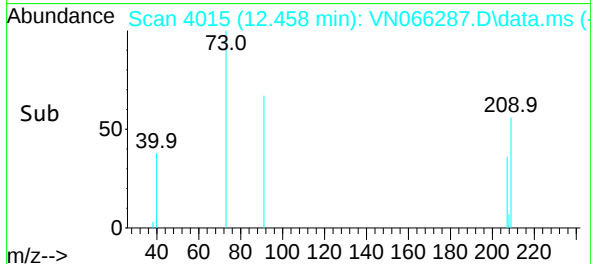
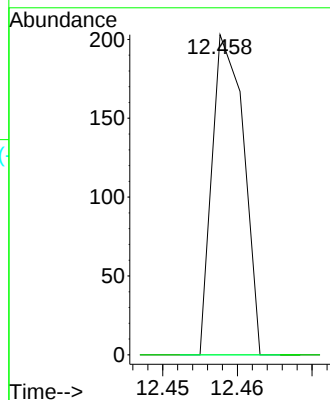
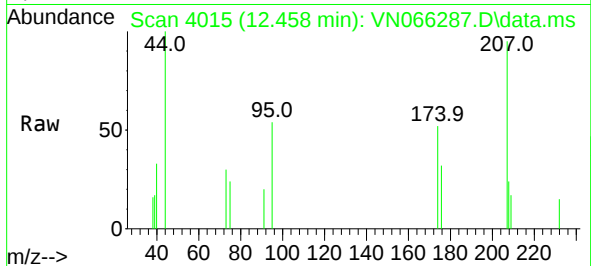




#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.458 min Scan# 4015
Delta R.T. -0.257 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

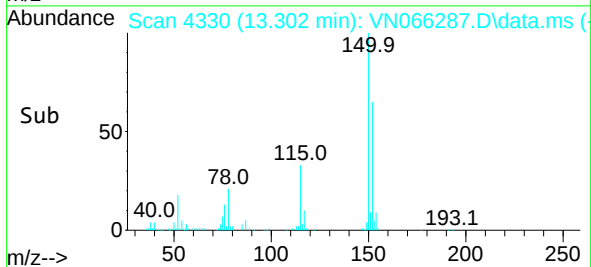
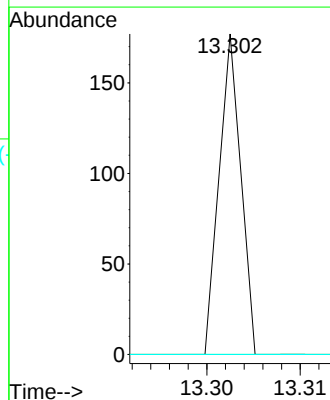
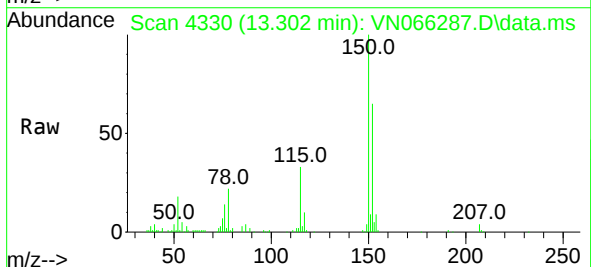
Instrument :
MSVOA_N
ClientSampleId :
EXTERNAL-PAD-COMP

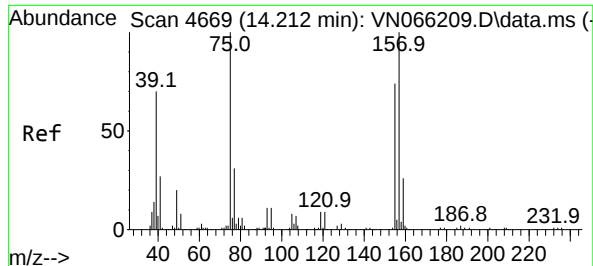
Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.24 ug/l
RT: 13.302 min Scan# 4330
Delta R.T. -0.255 min
Lab File: VN066287.D
Acq: 19 Mar 2021 17:48

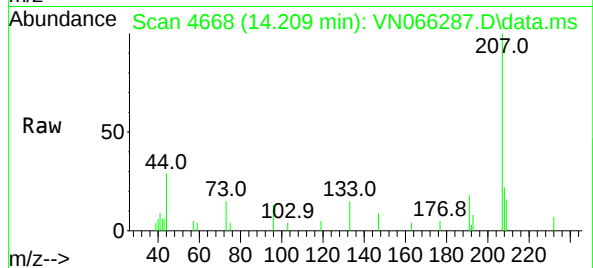
Tgt Ion: 91 Resp: 28
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.00 ug/l
 RT: 14.209 min Scan# 4668
 Delta R.T. -0.003 min
 Lab File: VN066287.D
 Acq: 19 Mar 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :
 EXTERNAL-PAD-COMP



Tgt Ion: 75 Resp: 131
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

