

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
 Data File : VN066059.D
 Acq On : 26 Feb 2021 18:17
 Operator : JC/MD
 Sample : M1489-04 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-41071-72

Quant Time: Feb 26 23:36:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

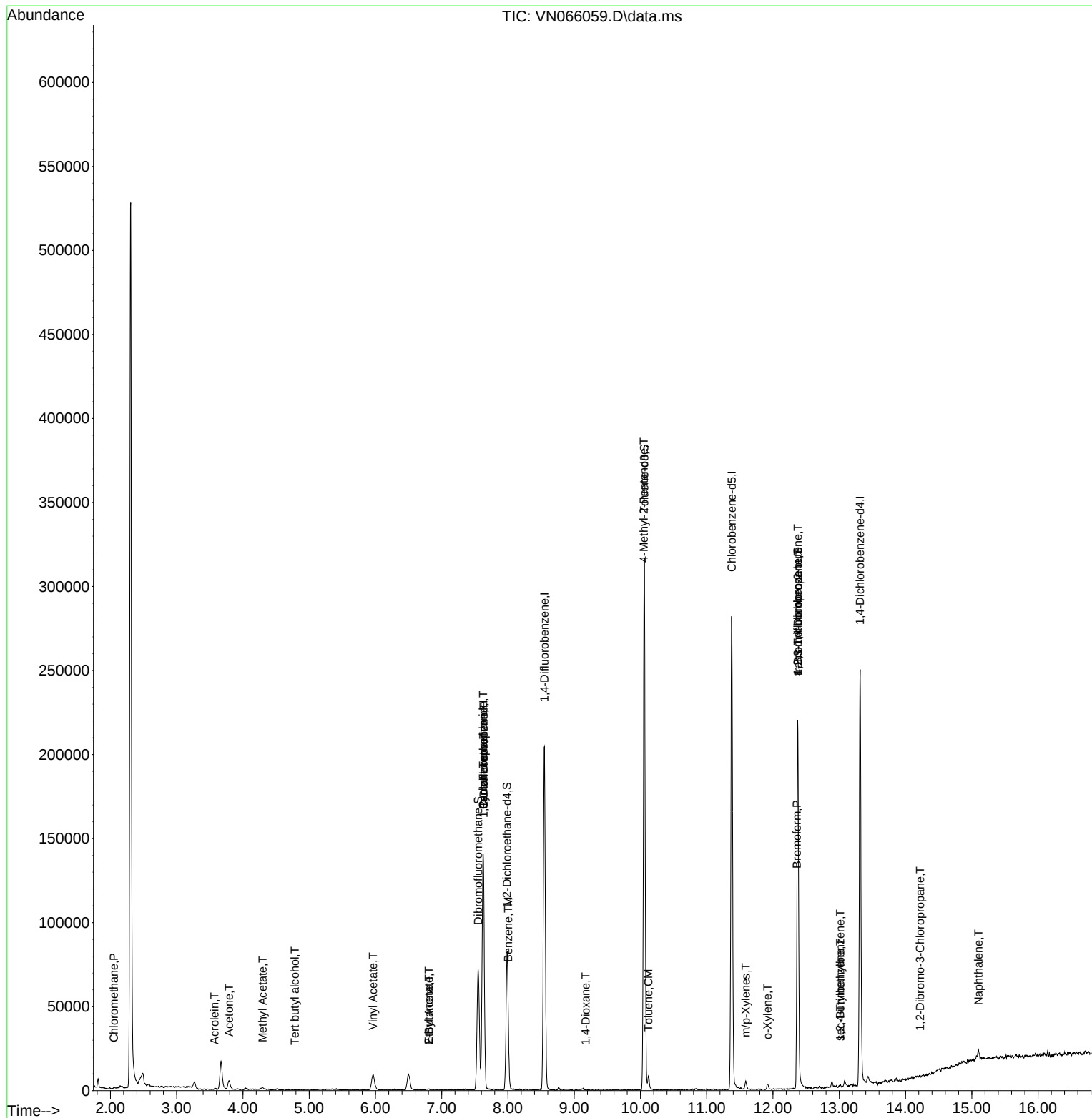
Internal Standards						
1) Pentafluorobenzene	7.627	168	112319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	184459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	171058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	70268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	75765	48.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.48%		
35) Dibromofluoromethane	7.550	113	56201	49.23	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.46%		
50) Toluene-d8	10.058	98	225321	48.08	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.16%		
62) 4-Bromofluorobenzene	12.373	95	85163	48.41	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.82%		
Target Compounds					Qvalue	
3) Chloromethane	2.052	50	686	0.37	ug/l #	80
11) Tert butyl alcohol	4.782	59	62	0.28	ug/l #	73
13) Acrolein	3.570	56	339	1.70	ug/l #	15
16) Acetone	3.791	43	9400	17.56	ug/l	89
18) Methyl Acetate	4.296	43	2277	1.75	ug/l #	73
23) Vinyl Acetate	5.965	43	3488	1.03	ug/l #	71
25) 2-Butanone	6.804	43	1222	1.57	ug/l #	46
31) Cyclohexane	7.627	56	2339	1.00	ug/l #	41
36) 1,1-Dichloropropene	7.630	75	9007	4.95	ug/l #	48
37) Ethyl Acetate	6.804	43	1222	0.74	ug/l #	68
38) Carbon Tetrachloride	7.624	117	11749	6.95	ug/l #	16
40) Benzene	8.003	78	2090	0.37	ug/l #	84
49) 1,4-Dioxane	9.174	88	71	3.14	ug/l #	63
51) 4-Methyl-2-Pentanone	10.052	43	915	0.57	ug/l #	1
52) Toluene	10.119	92	3527	1.03	ug/l	95
68) m/p-Xylenes	11.592	106	1756	0.73	ug/l	86
69) o-Xylene	11.920	106	945	0.41	ug/l	58
71) Bromoform	12.360	173	72	2.57	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	44003	26.07	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	44003	83.08	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.016	105	1237	0.25	ug/l	94
85) sec-Butylbenzene	13.016	105	1237	0.24	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.219	75	100	1.14	ug/l #	1
95) Naphthalene	15.100	128	5131	4.24	ug/l #	95

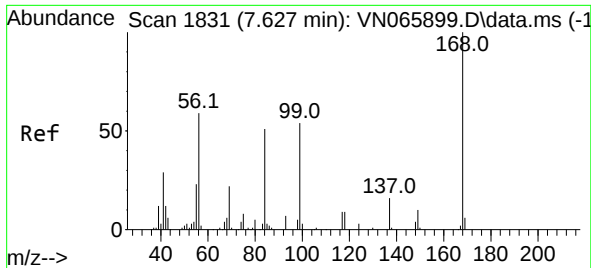
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 17 15:48:13 2021
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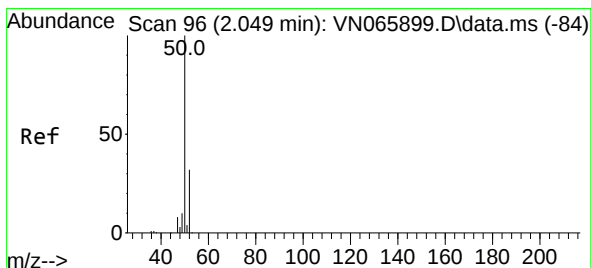
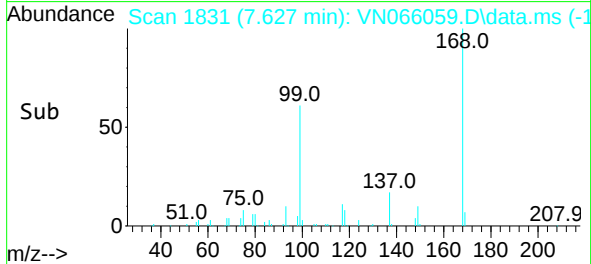
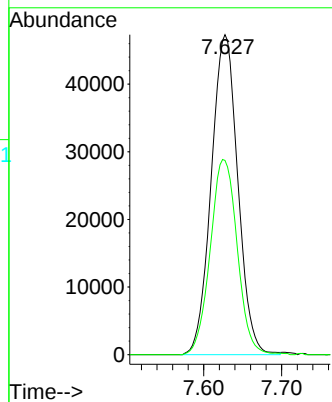
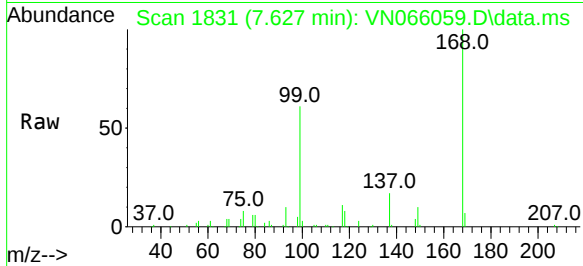




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

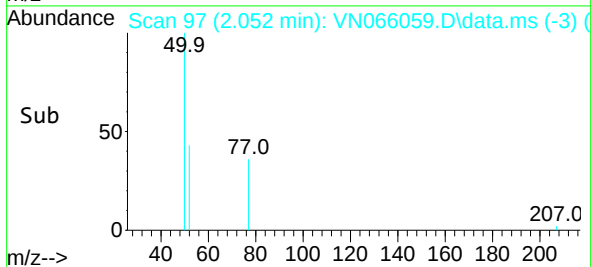
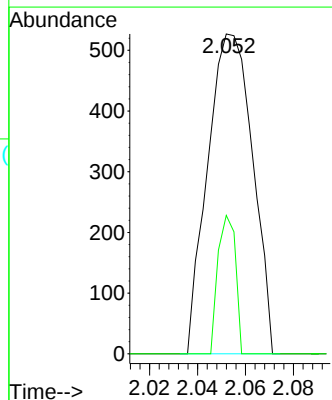
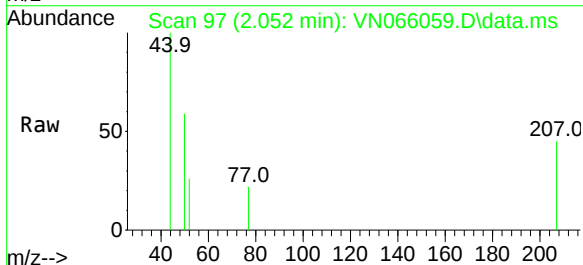
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

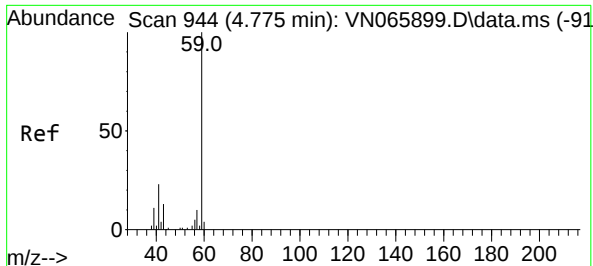
Tgt Ion:168 Resp: 112319
Ion Ratio Lower Upper
168 100
99 60.7 42.6 63.8



#3
Chloromethane
Concen: 0.37 ug/l
RT: 2.052 min Scan# 97
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 50 Resp: 686
Ion Ratio Lower Upper
50 100
52 43.3 25.8 38.8#



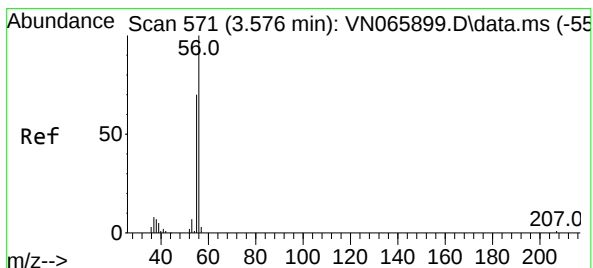
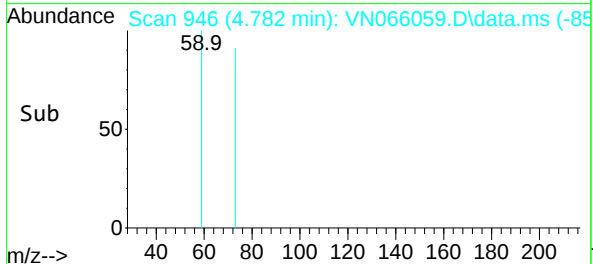
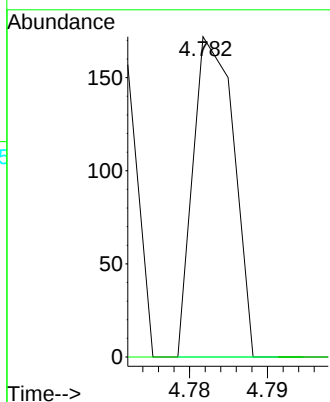
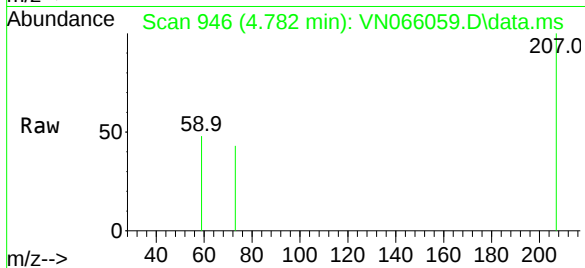


#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.007 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

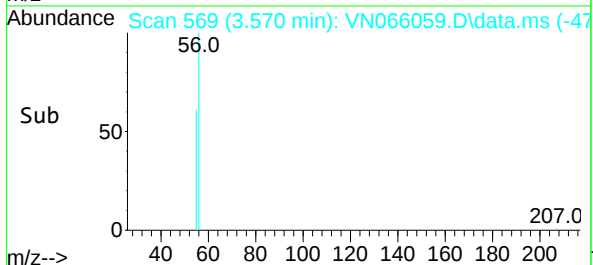
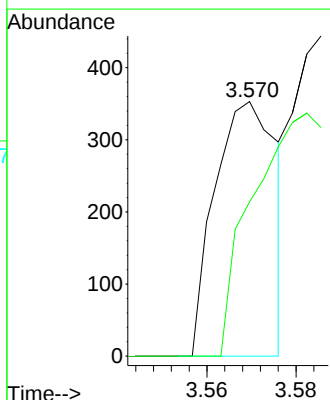
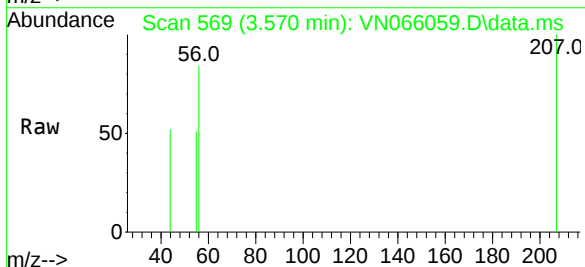
Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

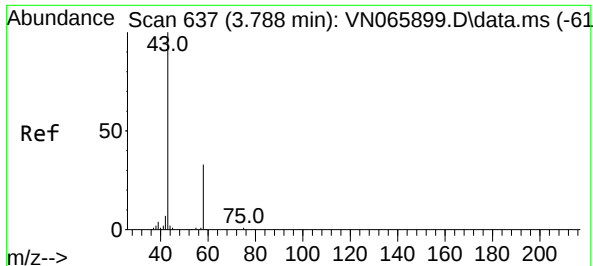


#13

Acrolein
Concen: 1.70 ug/l
RT: 3.570 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

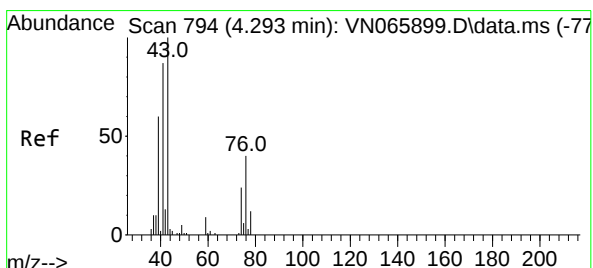
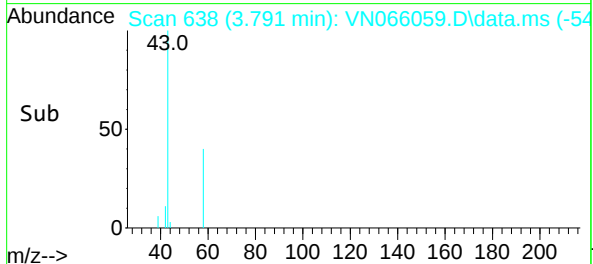
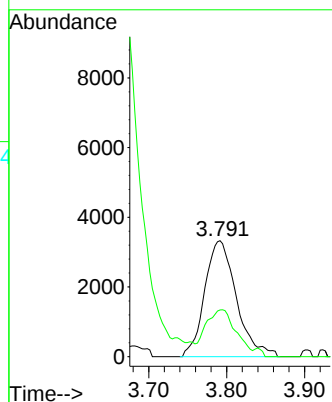
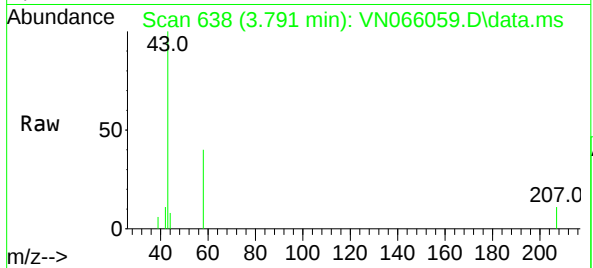




#16
Acetone
Concen: 17.56 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

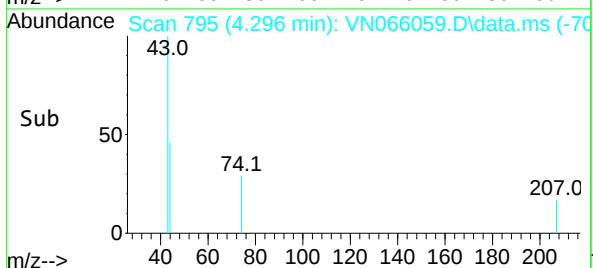
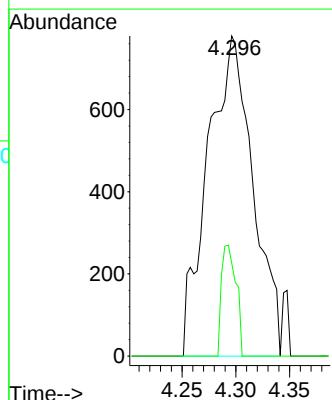
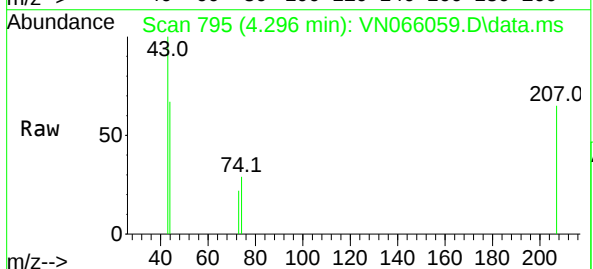
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

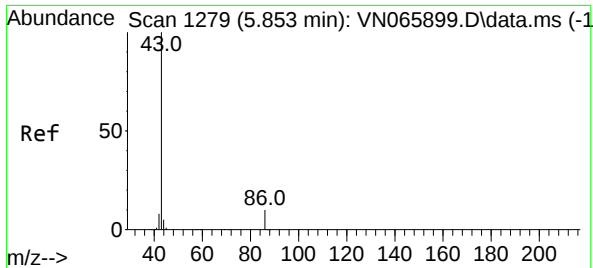
Tgt Ion: 43 Resp: 9400
Ion Ratio Lower Upper
43 100
58 40.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.75 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
74 11.1 19.5 29.3#

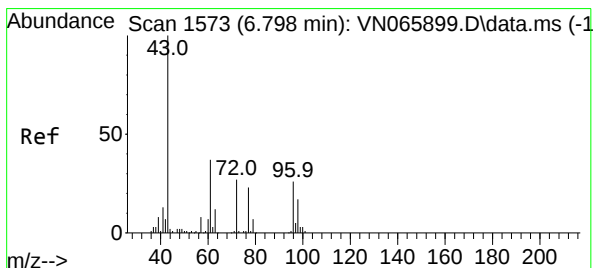
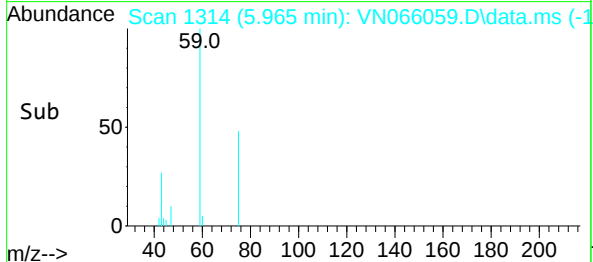
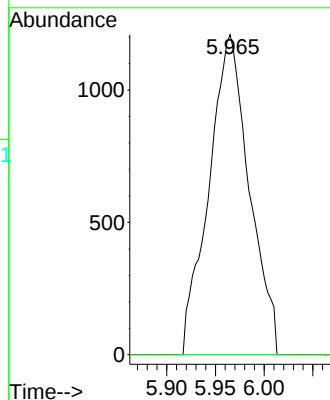
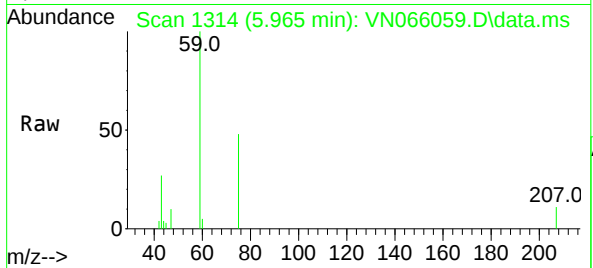




#23
 Vinyl Acetate
 Concen: 1.03 ug/l
 RT: 5.965 min Scan# 1314
 Delta R.T. 0.112 min
 Lab File: VN066059.D
 Acq: 26 Feb 2021 18:17

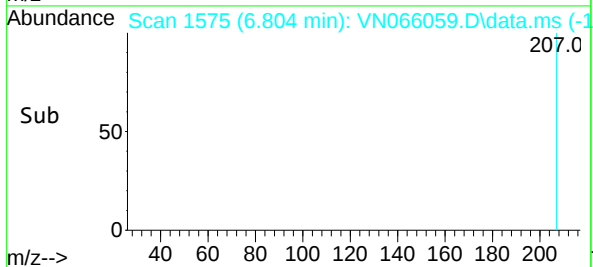
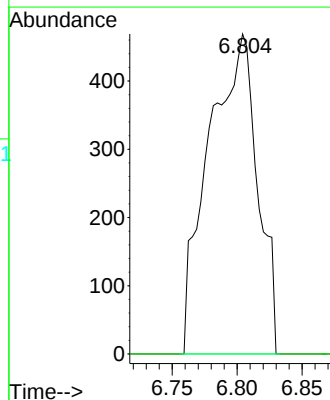
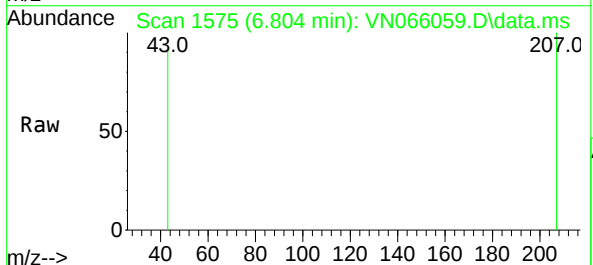
Instrument :
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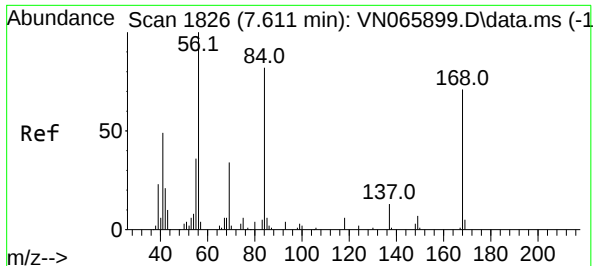
Tgt Ion: 43 Resp: 3488
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 1.57 ug/l
 RT: 6.804 min Scan# 1575
 Delta R.T. 0.006 min
 Lab File: VN066059.D
 Acq: 26 Feb 2021 18:17

Tgt Ion: 43 Resp: 1222
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.1 34.7#

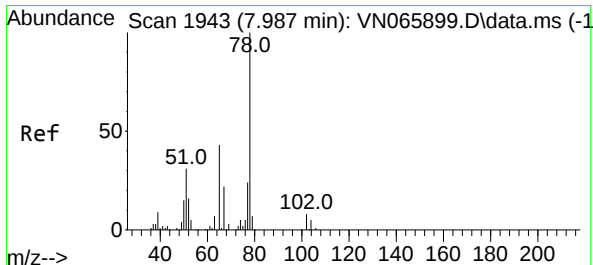
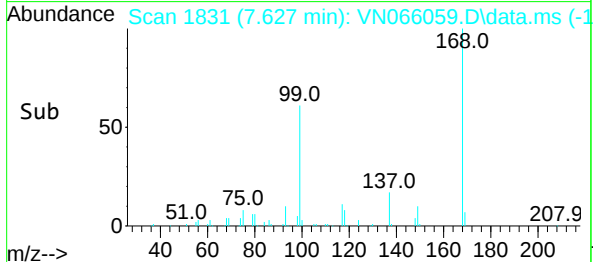
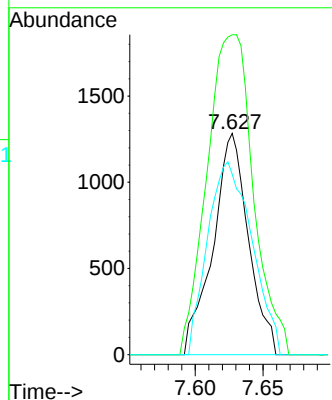
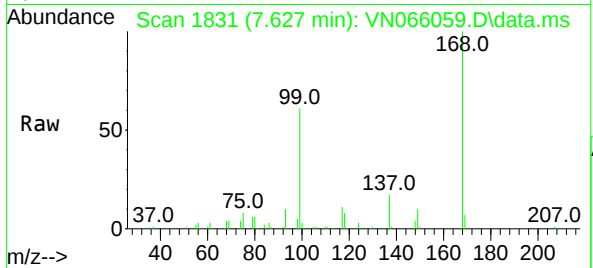




#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

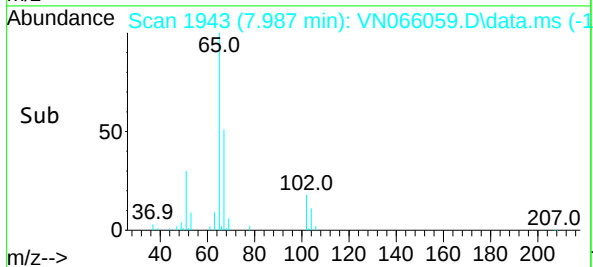
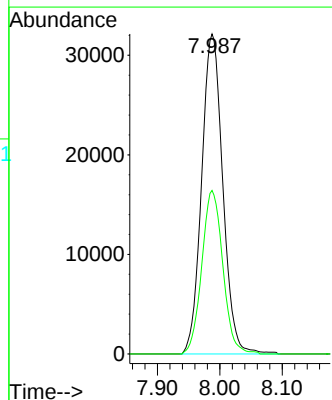
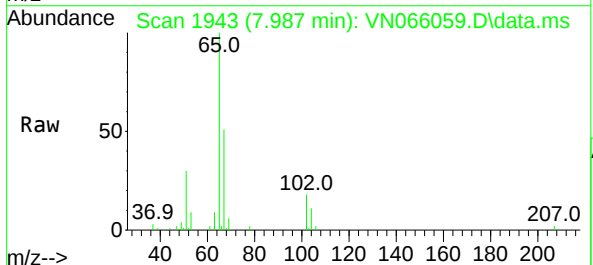
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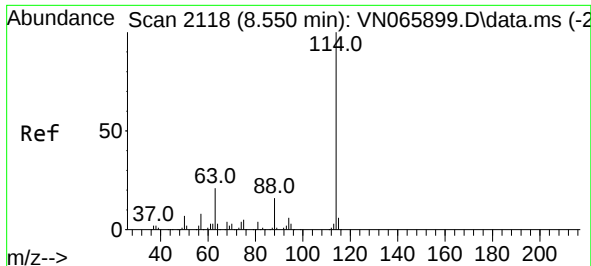
Tgt Ion: 56 Resp: 2339
Ion Ratio Lower Upper
56 100
69 144.6 26.6 39.8#
84 81.6 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 48.24 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 65 Resp: 75765
Ion Ratio Lower Upper
65 100
67 50.9 0.0 107.2

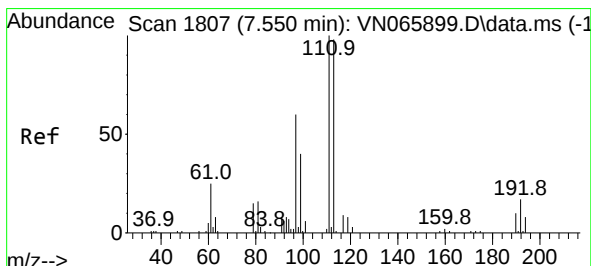
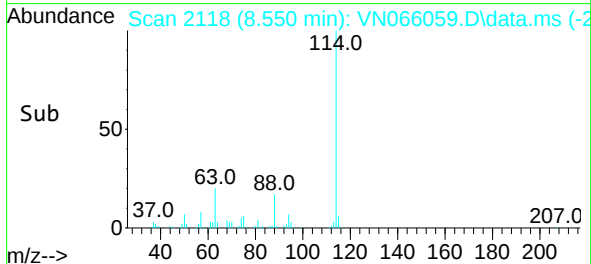
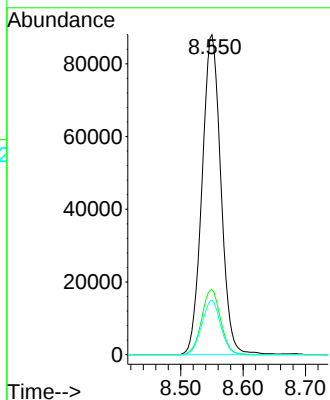
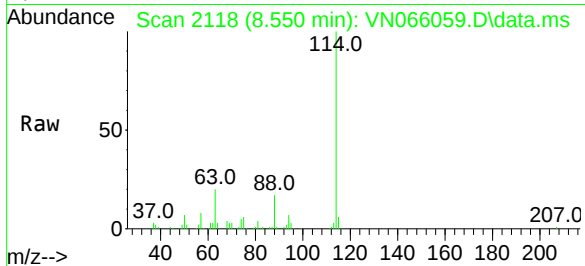




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

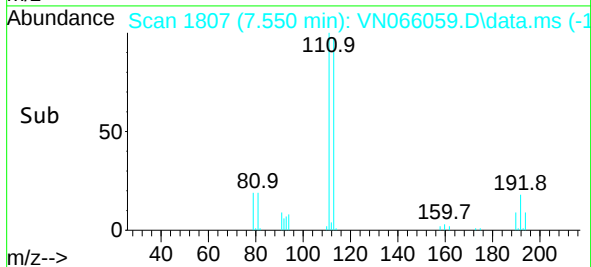
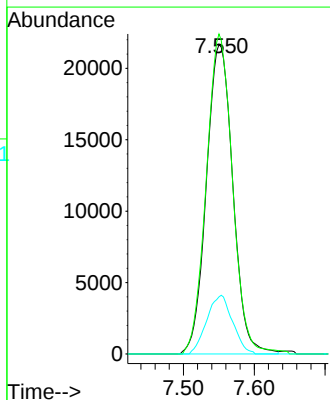
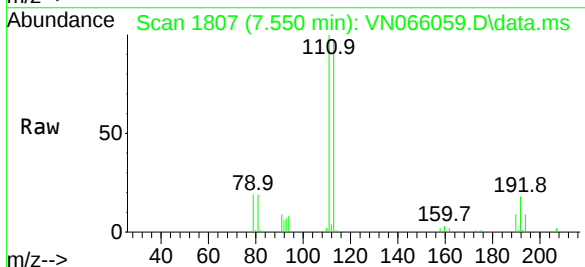
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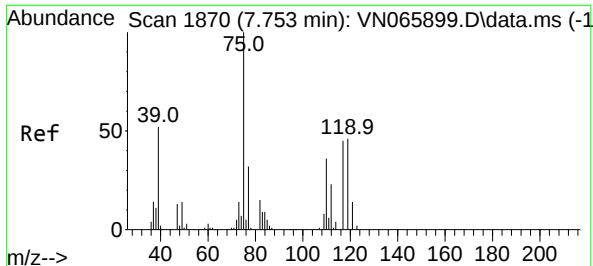
Tgt Ion:	114	Resp:	184459
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	38.6
88	17.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 49.23 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion:	113	Resp:	56201
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.2
192	18.5	15.4	23.0

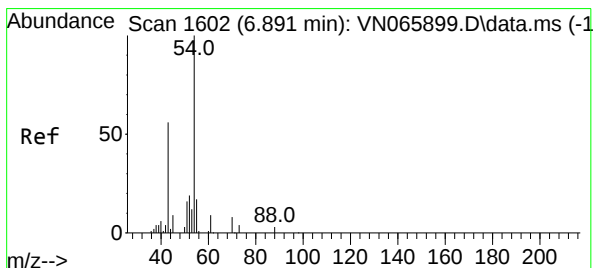
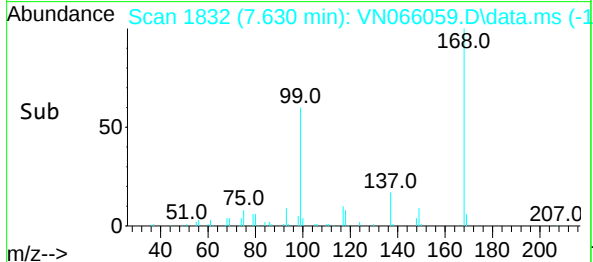
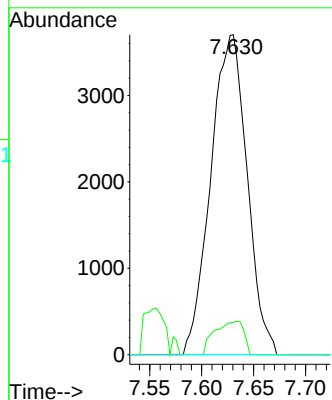
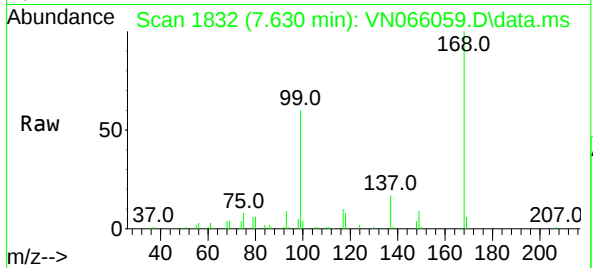




#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

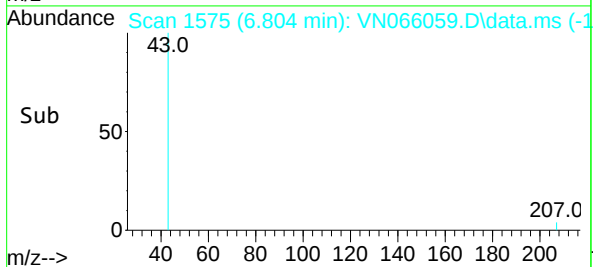
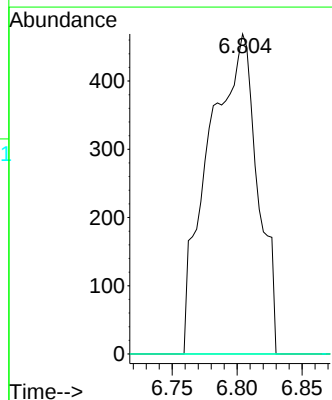
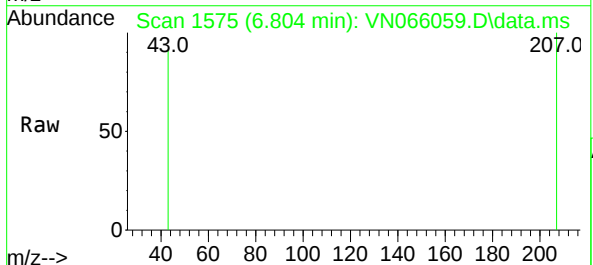
Instrument :
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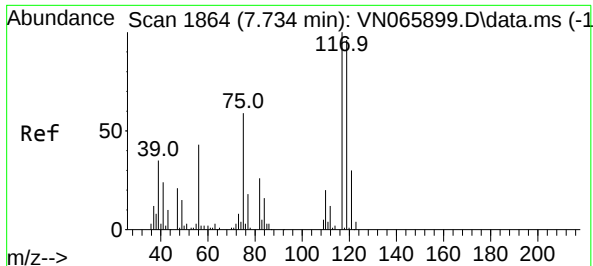
Tgt Ion: 75 Resp: 9007
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.74 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. -0.087 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

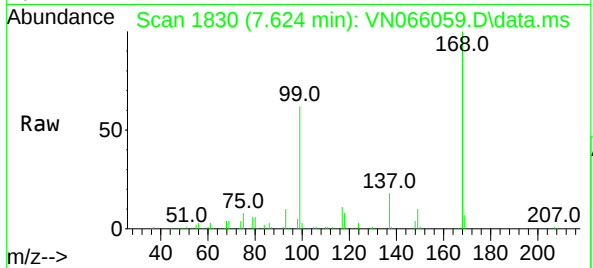
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



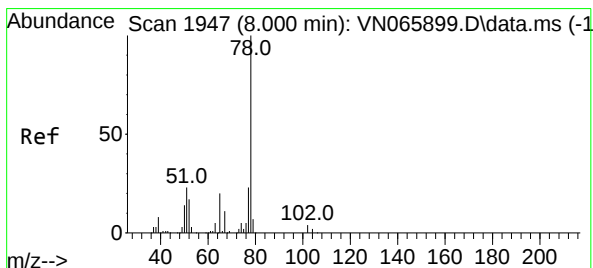
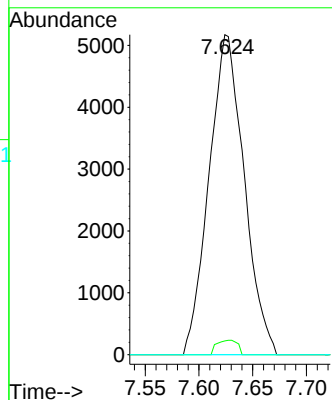
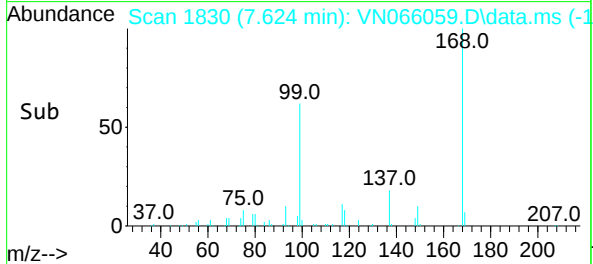


#38
Carbon Tetrachloride
Concen: 6.95 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

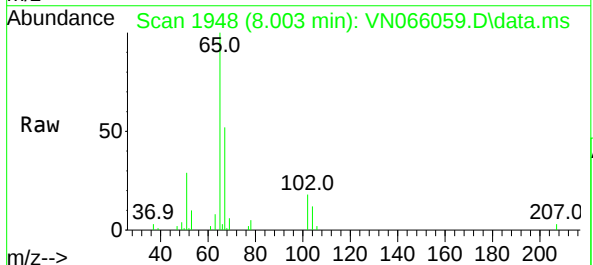
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72



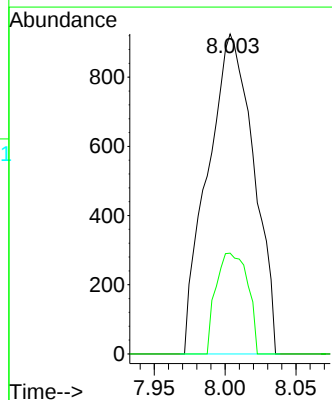
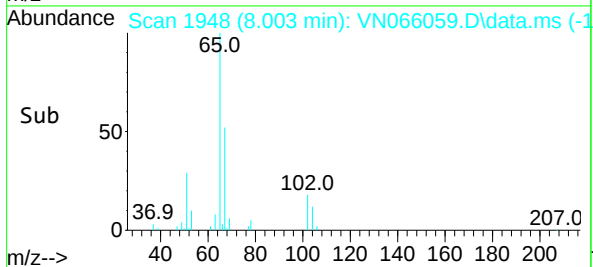
Tgt Ion:117 Resp: 11749
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.5 36.7#

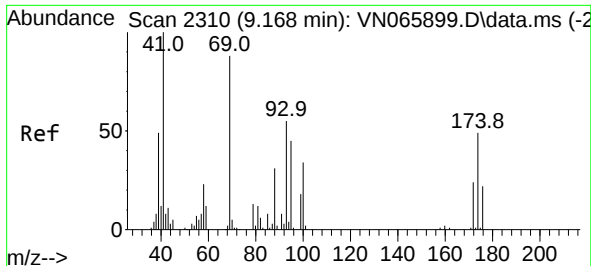


#40
Benzene
Concen: 0.37 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17



Tgt Ion: 78 Resp: 2090
Ion Ratio Lower Upper
78 100
77 31.5 19.0 28.4#

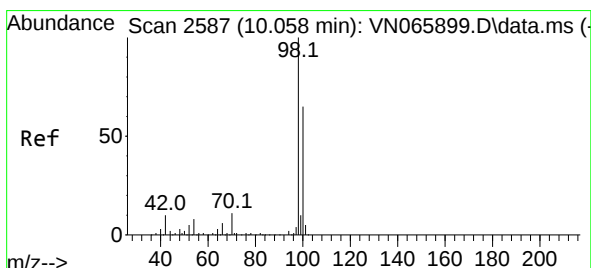
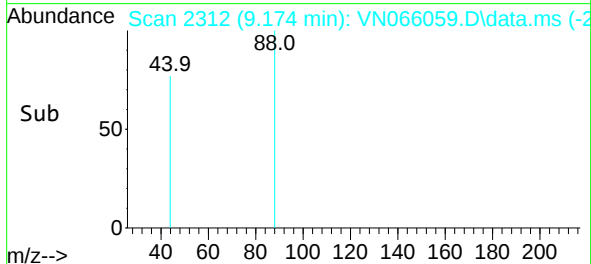
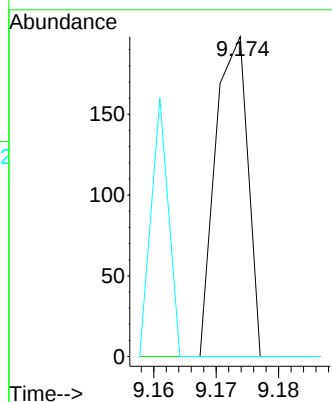
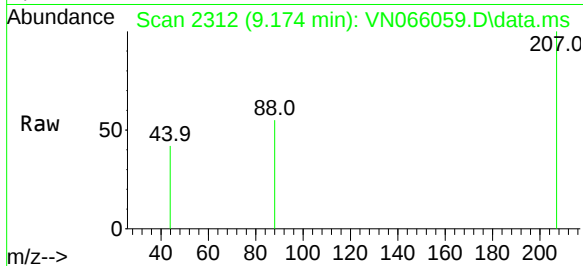




#49
1,4-Dioxane
Concen: 3.14 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.006 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

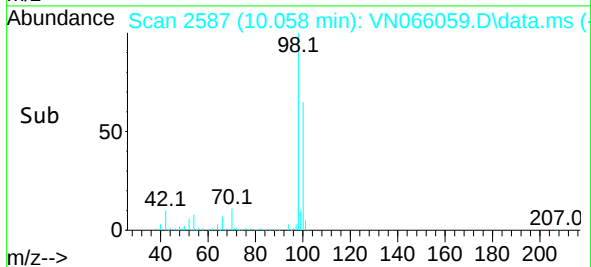
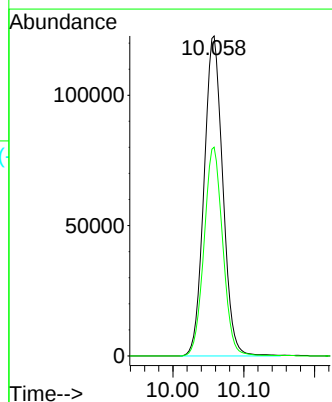
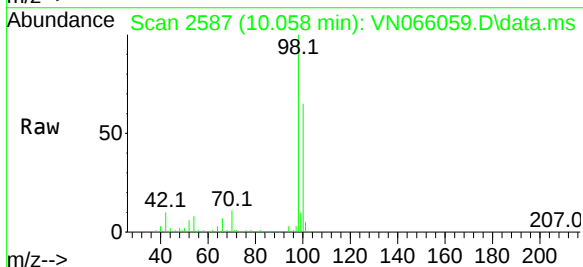
Instrument :
MSVOA_N
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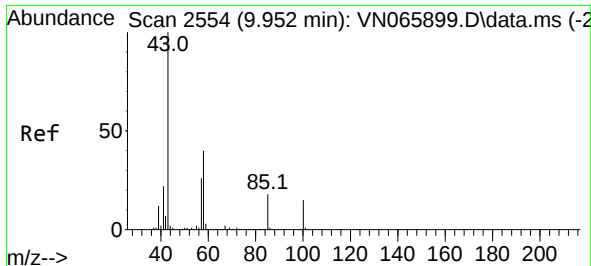
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 43.7 52.6 78.8#



#50
Toluene-d8
Concen: 48.08 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 98 Resp: 225321
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7

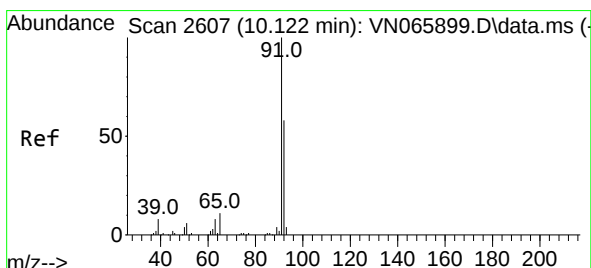
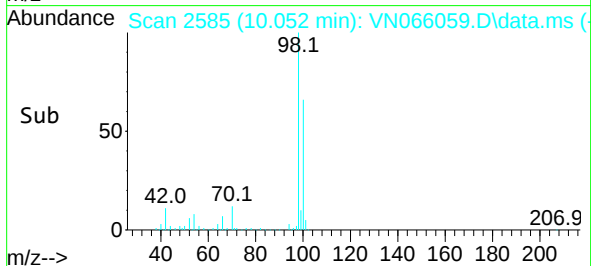
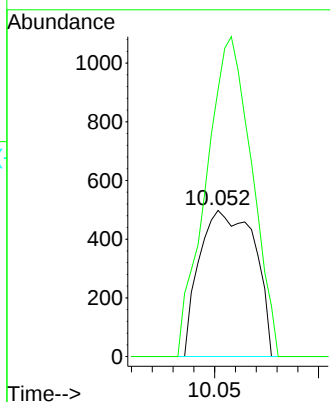
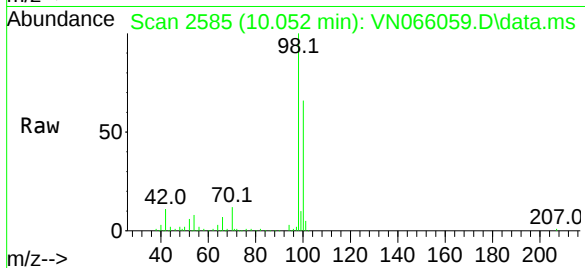




#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 10.052 min Scan# 2585
Delta R.T. 0.100 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

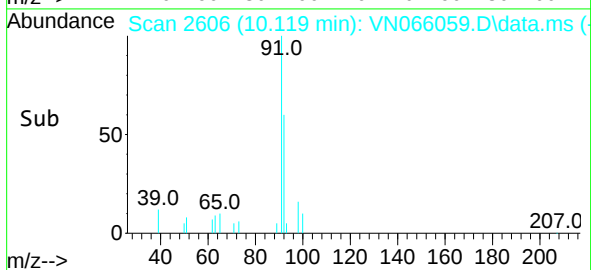
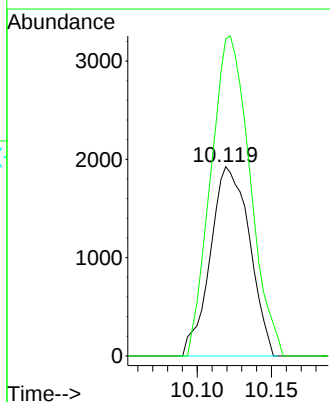
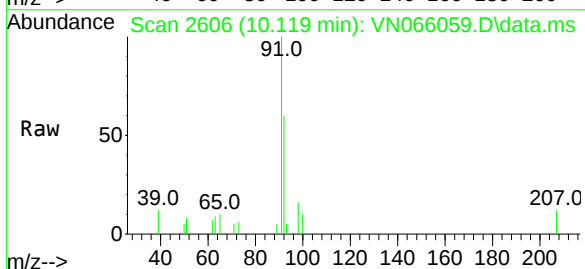
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

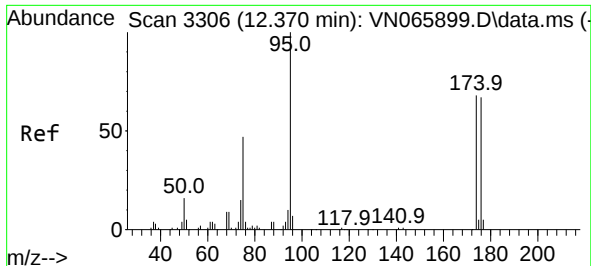
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 182.3 32.5 48.7#



#52
Toluene
Concen: 1.03 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 92 Resp: 3527
Ion Ratio Lower Upper
92 100
91 169.0 140.7 211.1

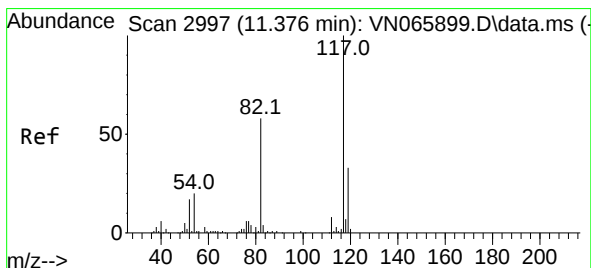
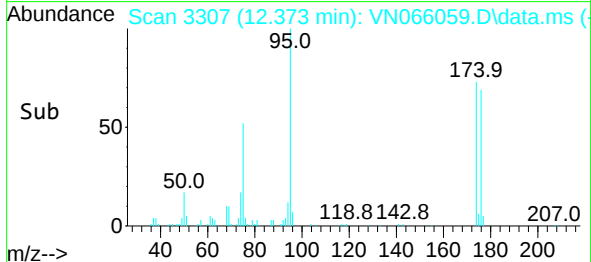
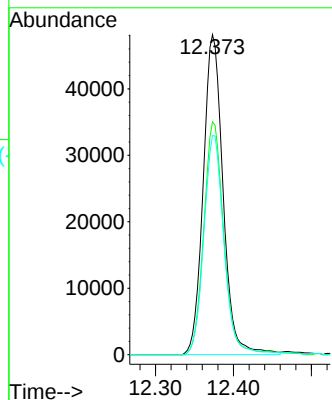
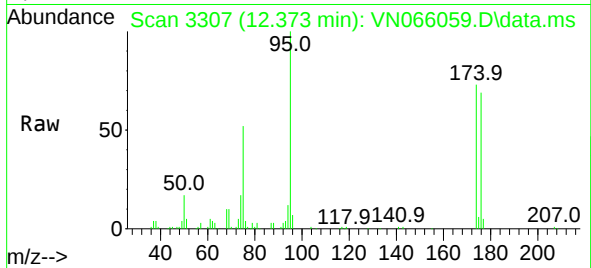




#62
4-Bromofluorobenzene
Concen: 48.41 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

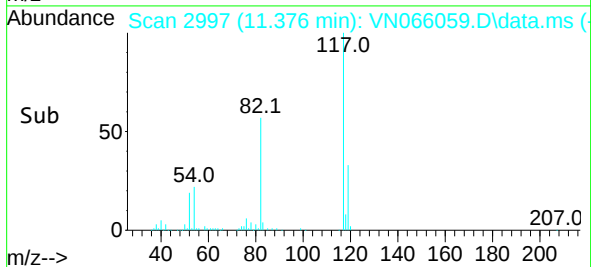
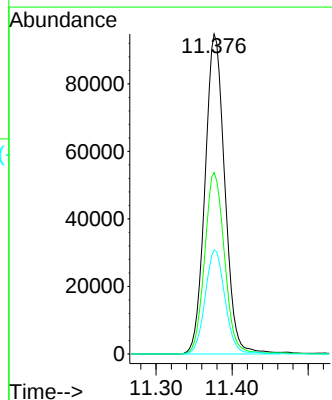
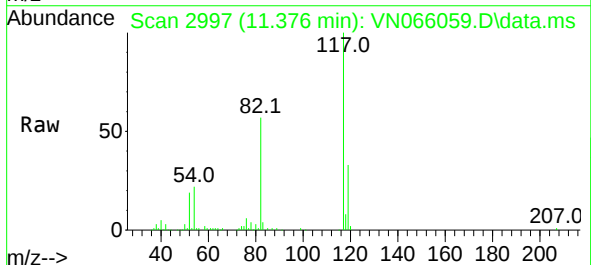
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

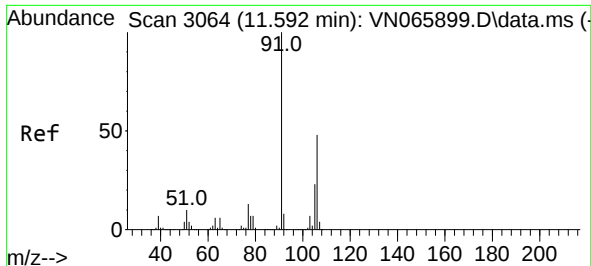
Tgt Ion: 95 Resp: 85163
Ion Ratio Lower Upper
95 100
174 72.8 0.0 169.0
176 70.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 117 Resp: 171058
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 32.5 26.1 39.1

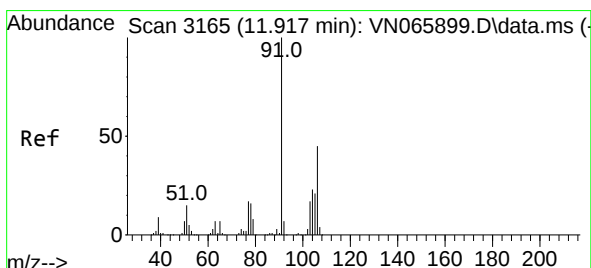
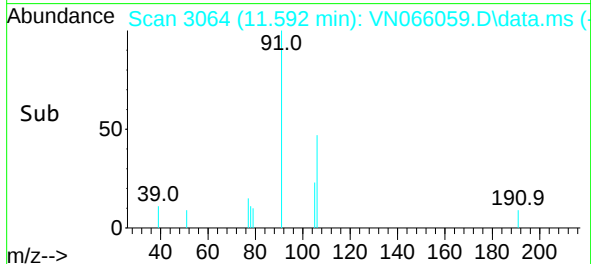
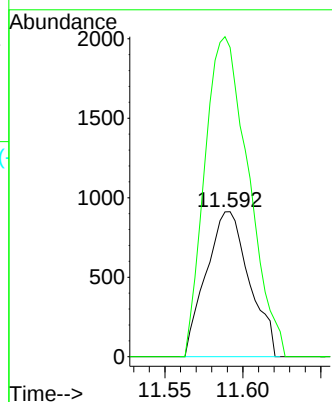
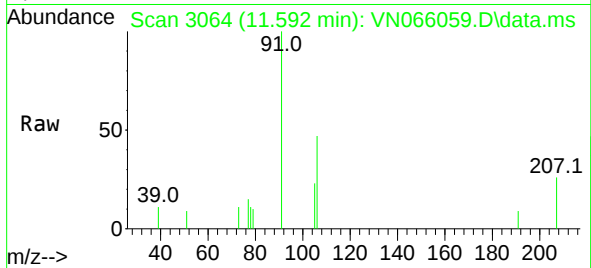




#68
m/p-Xylenes
Concen: 0.73 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

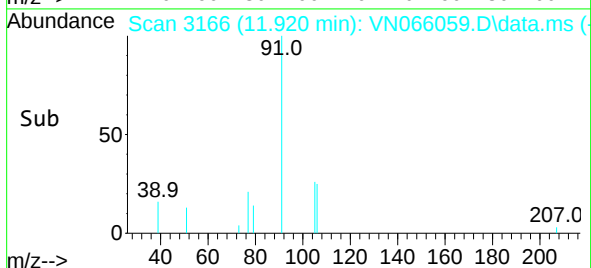
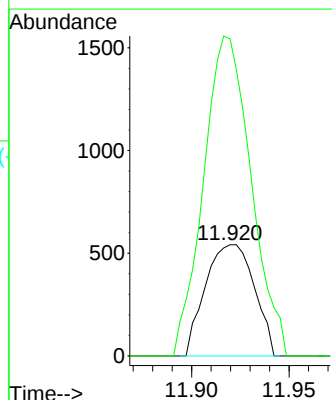
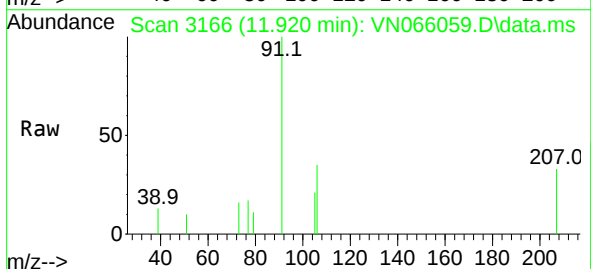
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

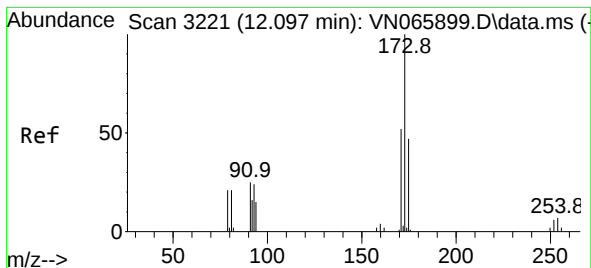
Tgt Ion:106 Resp: 1756
Ion Ratio Lower Upper
106 100
91 223.2 161.4 242.0



#69
o-Xylene
Concen: 0.41 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion:106 Resp: 945
Ion Ratio Lower Upper
106 100
91 279.5 106.8 320.4





#71

Bromoform

Concen: 2.57 ug/l

RT: 12.360 min Scan# 3303

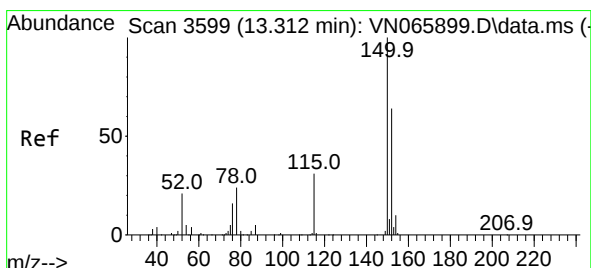
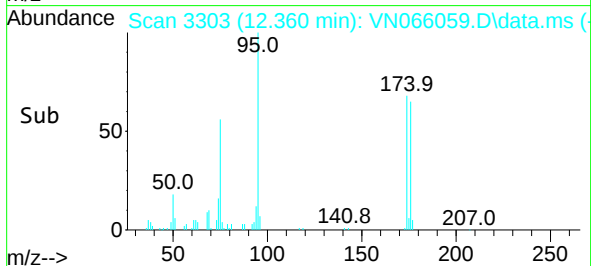
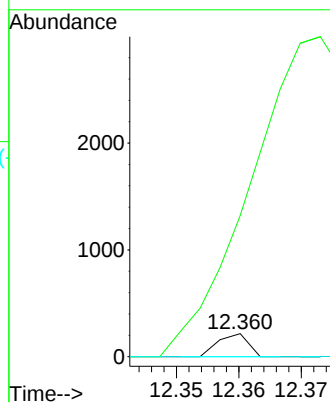
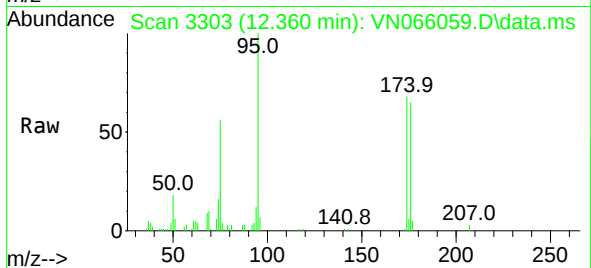
Delta R.T. 0.263 min

Lab File: VN066059.D

Acq: 26 Feb 2021 18:17

Tgt Ion:	173	Resp:	72
Ion Ratio	Lower	Upper	
173	100		
175	5355.6	23.8	71.2#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

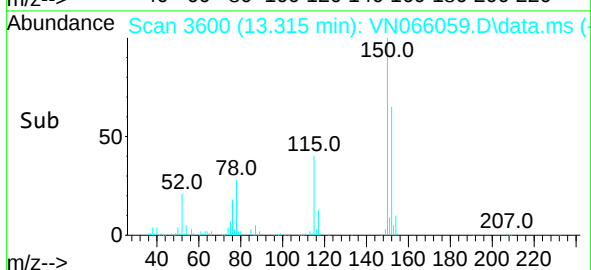
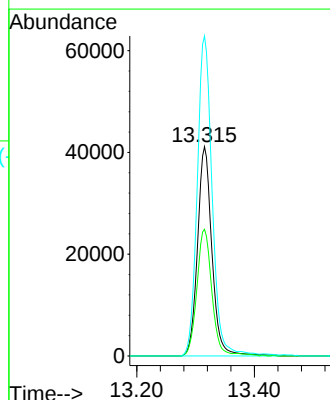
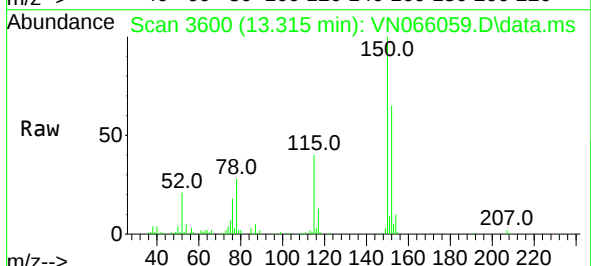
RT: 13.315 min Scan# 3600

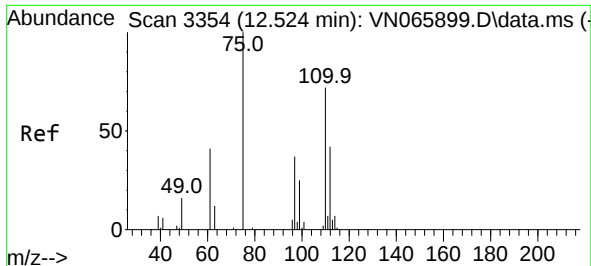
Delta R.T. 0.003 min

Lab File: VN066059.D

Acq: 26 Feb 2021 18:17

Tgt Ion:	152	Resp:	70268
Ion Ratio	Lower	Upper	
152	100		
115	61.8	28.5	85.6
150	157.5	0.0	347.6

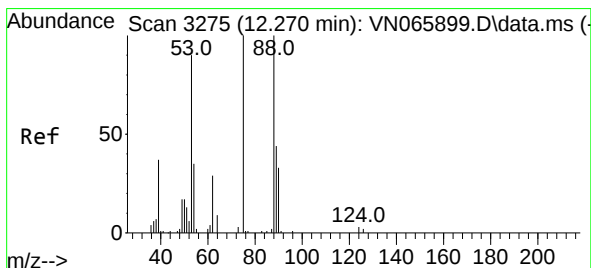
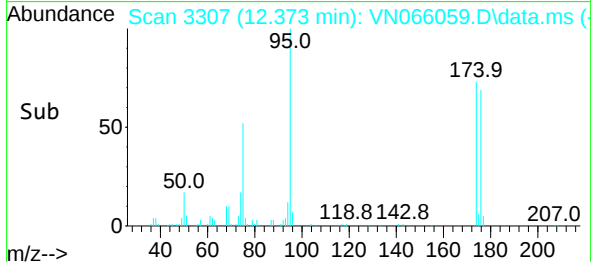
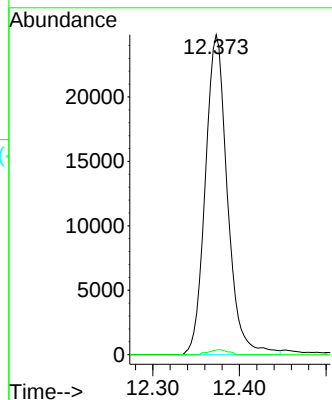
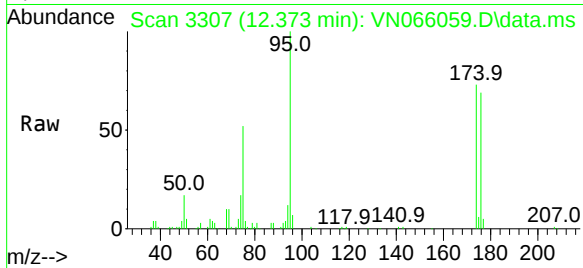




#76
1,2,3-Trichloropropane
Concen: 26.07 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

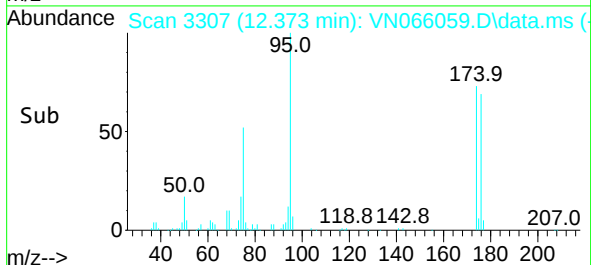
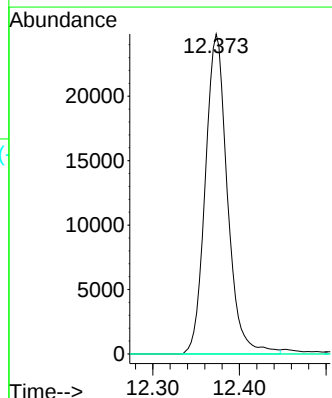
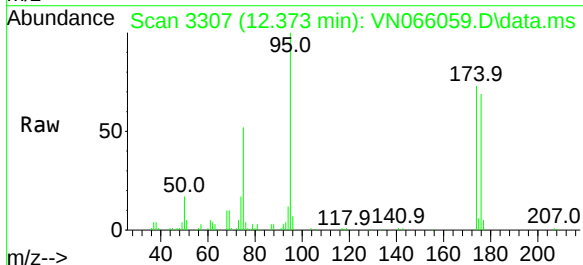
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

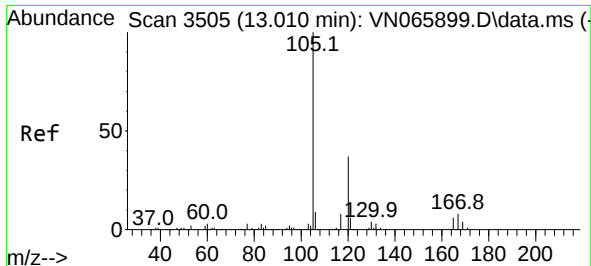
Tgt Ion: 75 Resp: 44003
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 75 Resp: 44003
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

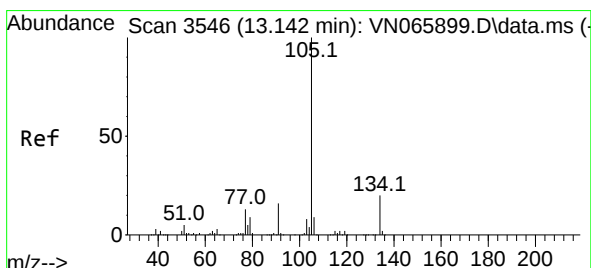
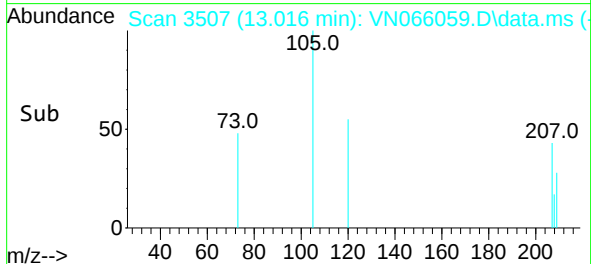
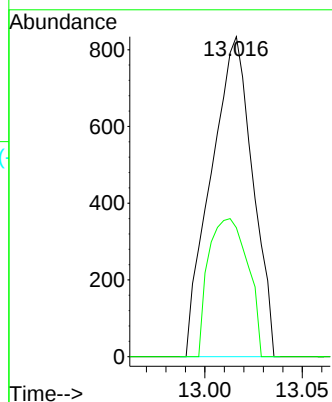
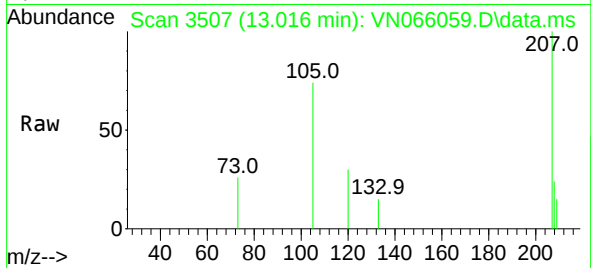




#84
1,2,4-Trimethylbenzene
Concen: 0.25 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. 0.006 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

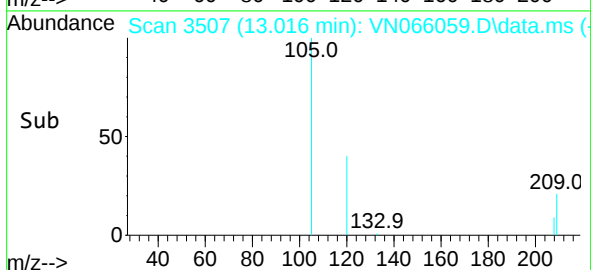
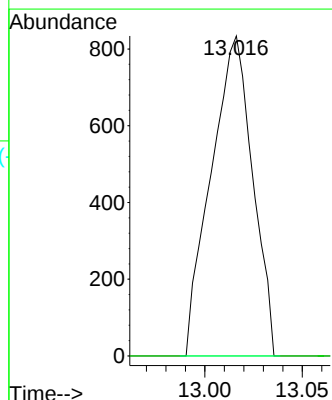
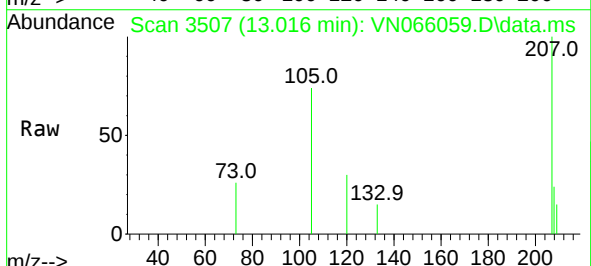
Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

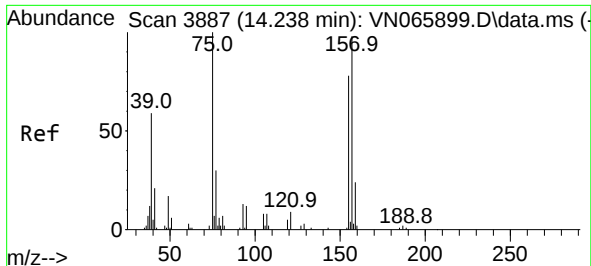
Tgt Ion:105 Resp: 1237
Ion Ratio Lower Upper
105 100
120 40.6 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.24 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. -0.126 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion:105 Resp: 1237
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#

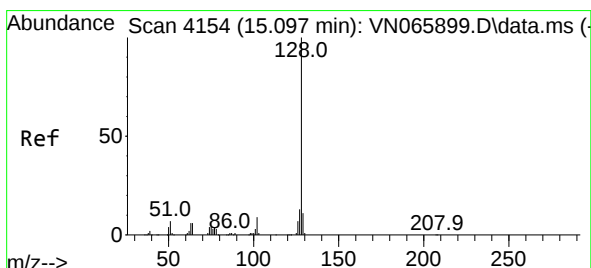
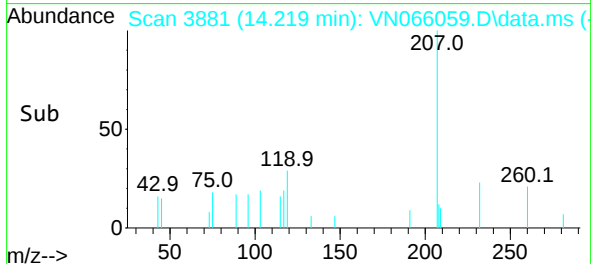
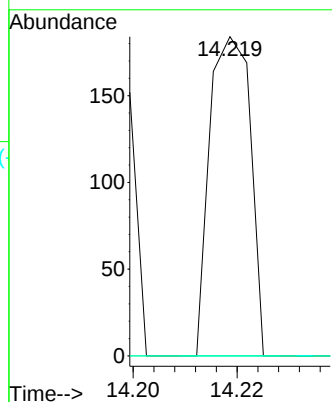
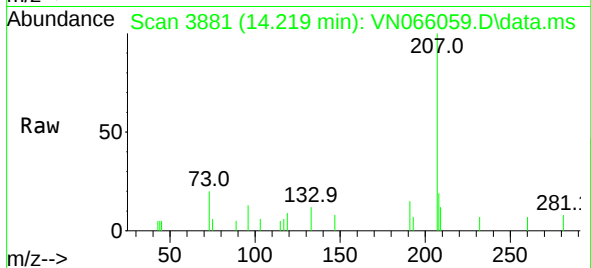




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.14 ug/l
RT: 14.219 min Scan# 3881
Delta R.T. -0.019 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :
COMP-41071-72

Tgt Ion: 75 Resp: 100
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 4.24 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066059.D
Acq: 26 Feb 2021 18:17

Tgt Ion: 128 Resp: 5131
Ion Ratio Lower Upper
128 100
127 9.6 10.2 15.2#
129 11.6 8.6 13.0

