

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032621\
 Data File : VN066360.D
 Acq On : 26 Mar 2021 19:30
 Operator : JC/MD
 Sample : M1788-04 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20210322

Quant Time: Mar 27 01:50:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

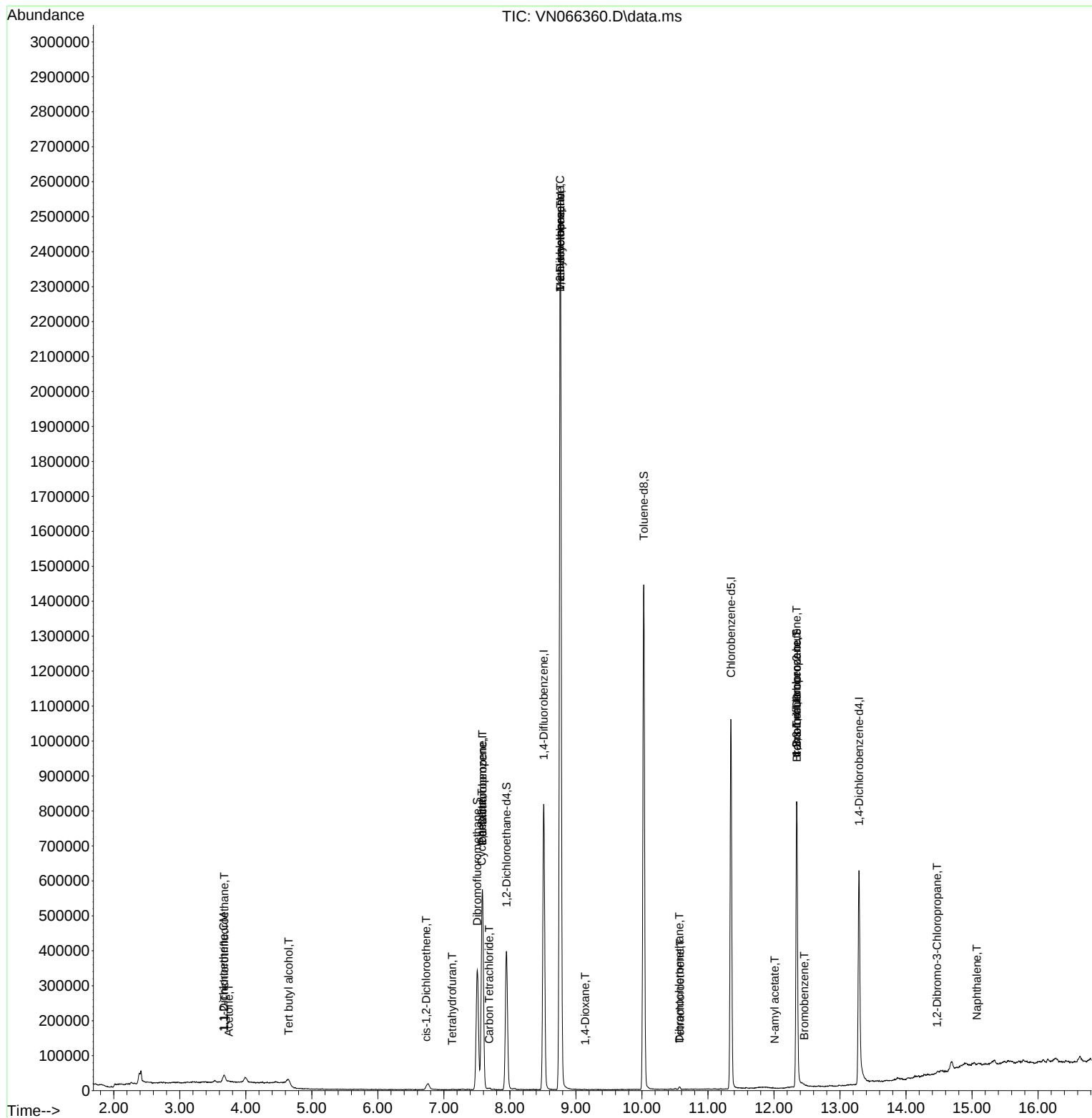
Internal Standards						
1) Pentafluorobenzene	7.585	168	491119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	727224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	601031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	199303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	330713	50.65	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.30%		
35) Dibromofluoromethane	7.507	113	261353	54.21	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.42%		
50) Toluene-d8	10.028	98	992831	54.29	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	108.58%		
62) 4-Bromofluorobenzene	12.345	95	281927	44.39	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.78%		
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	3398	Below Cal		95
9) 1,1,2-Trichlorotrifluo...	3.674	101	4945	0.90 ug/l #		53
11) Tert butyl alcohol	4.648	59	9060	9.10 ug/l #		85
12) 1,1-Dichloroethene	3.663	96	4441	0.79 ug/l #		80
13) Acrolein	3.529	56	4499	Below Cal #		62
16) Acetone	3.741	43	4166	1.18 ug/l		94
20) Methylene Chloride	4.460	84	613	Below Cal #		21
27) cis-1,2-Dichloroethene	6.732	96	1636	0.27 ug/l		67
29) Tetrahydrofuran	7.126	42	710	0.28 ug/l #		38
31) Cyclohexane	7.576	56	4356	0.48 ug/l #		1
36) 1,1-Dichloropropene	7.585	75	34920	5.11 ug/l #		50
38) Carbon Tetrachloride	7.686	117	2753	0.40 ug/l		93
39) Methylcyclohexane	8.765	83	11087	1.33 ug/l #		1
44) Trichloroethene	8.765	130	911943	168.03 ug/l		100
45) 1,2-Dichloropropane	8.762	63	2647	0.48 ug/l #		1
49) 1,4-Dioxane	9.140	88	246	3.20 ug/l #		67
60) Dibromochloromethane	10.567	129	1283	0.23 ug/l #		11
64) Tetrachloroethene	10.578	164	1452	0.28 ug/l		84
71) Bromoform	12.348	173	2465	0.64 ug/l #		1
74) N-amyl acetate	12.012	43	29	3.20 ug/l #		1
76) 1,2,3-Trichloropropane	12.345	75	144959	33.15 ug/l #		100
77) Bromobenzene	12.460	156	914	0.24 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.345	75	144959	99.68 ug/l #		12
92) 1,2-Dibromo-3-Chloropr...	14.469	75	206	0.23 ug/l		60
95) Naphthalene	15.075	128	1728	1.19 ug/l #		76

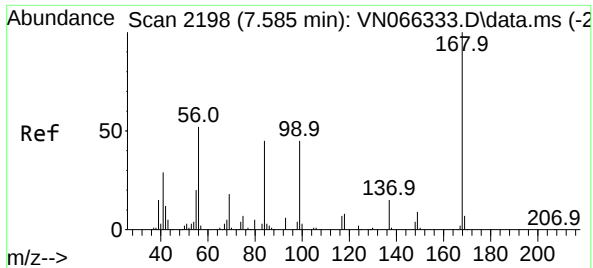
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 26 16:26:01 2021
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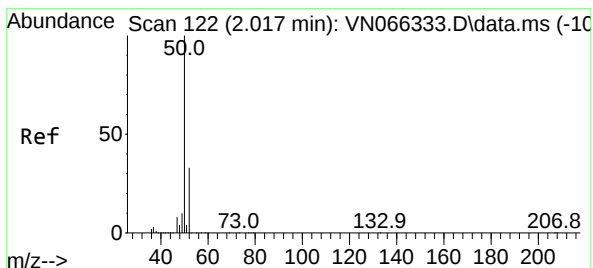
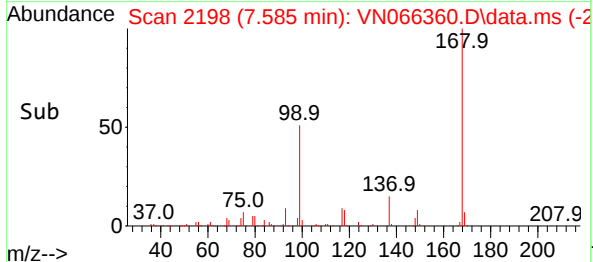
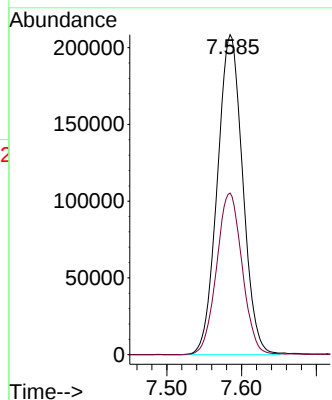
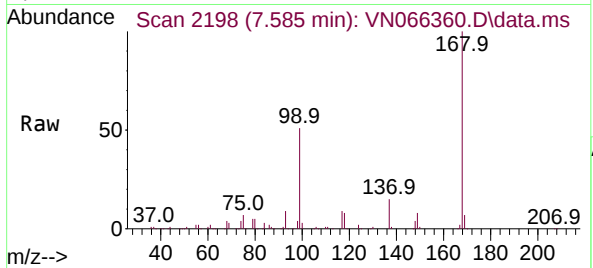




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

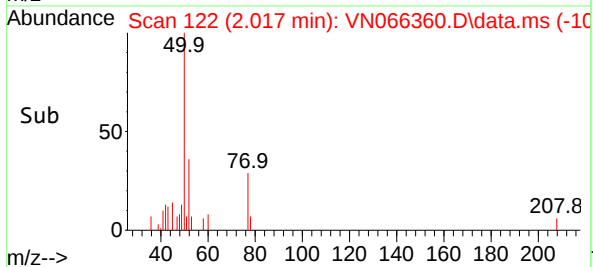
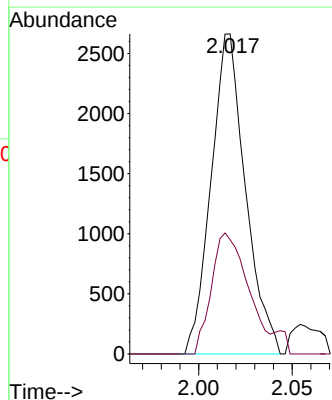
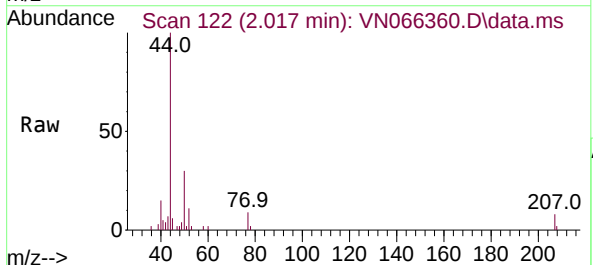
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

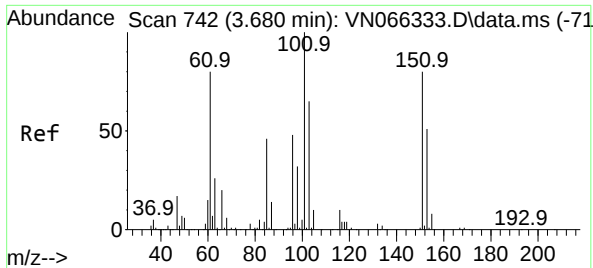
Tgt Ion:168 Resp: 491119
Ion Ratio Lower Upper
168 100
99 50.5 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 50 Resp: 3398
Ion Ratio Lower Upper
50 100
52 35.7 26.2 39.2

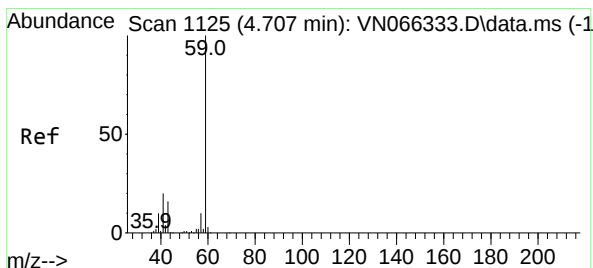
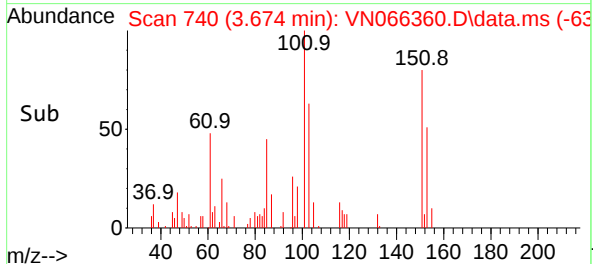
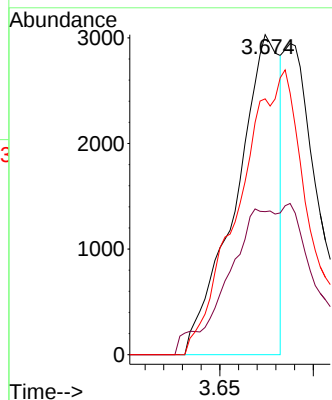
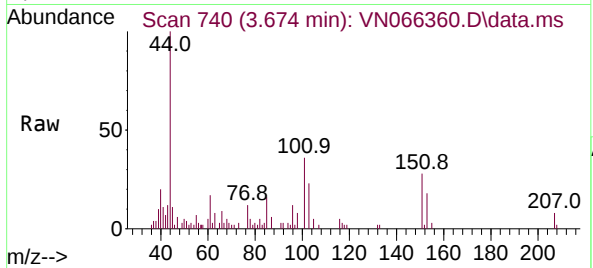




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.90 ug/l
RT: 3.674 min Scan# 740
Delta R.T. -0.006 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

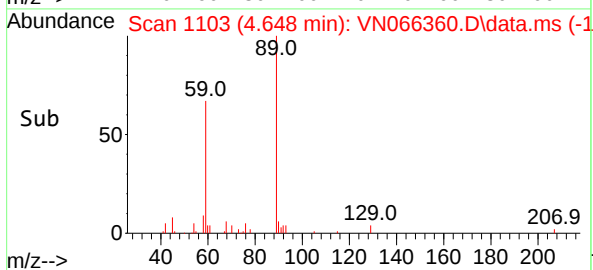
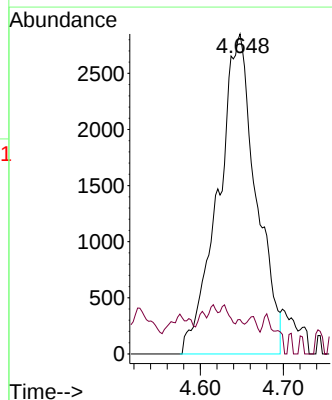
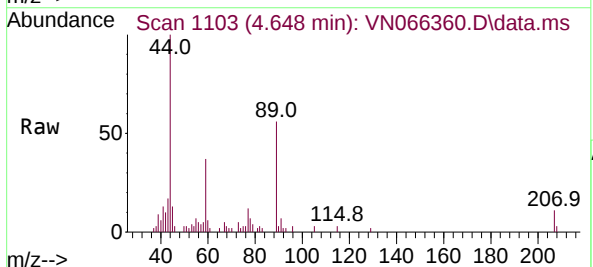
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

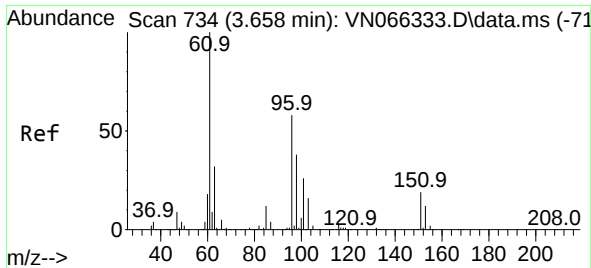
Tgt Ion:101 Resp: 4945
Ion Ratio Lower Upper
101 100
85 49.4 36.8 55.2
151 141.0 63.0 94.4#



#11
Tert butyl alcohol
Concen: 9.10 ug/l
RT: 4.648 min Scan# 1103
Delta R.T. -0.059 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 59 Resp: 9060
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

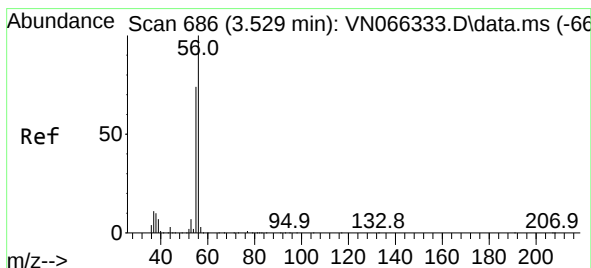
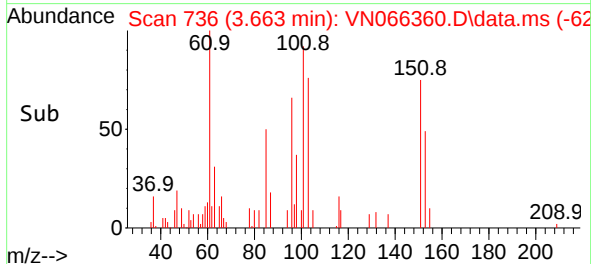
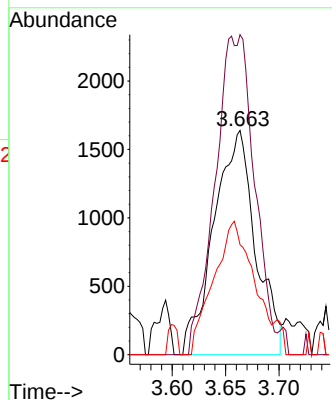
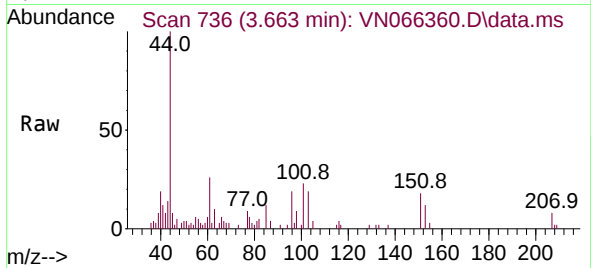




#12
1,1-Dichloroethene
Concen: 0.79 ug/l
RT: 3.663 min Scan# 736
Delta R.T. 0.005 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

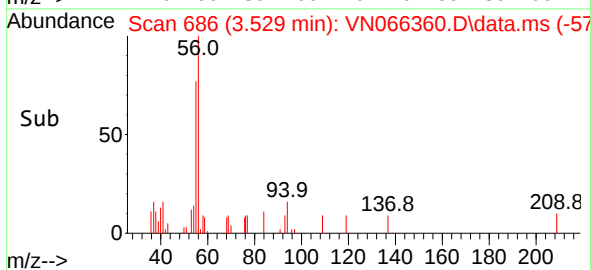
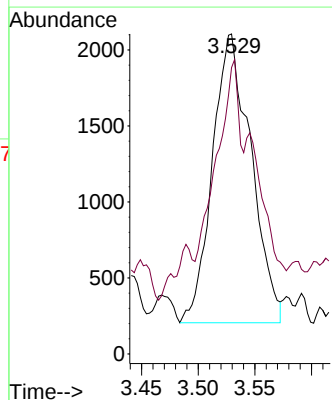
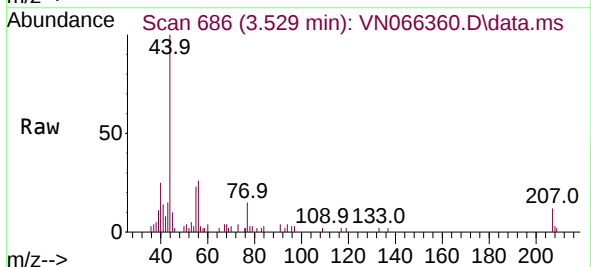
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

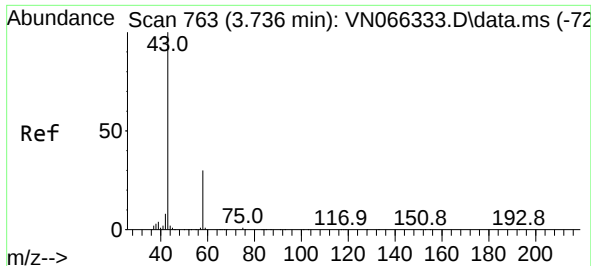
Tgt Ion: 96 Resp: 4441
Ion Ratio Lower Upper
96 100
61 142.7 137.0 205.4
98 49.1 51.5 77.3#



#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 56 Resp: 4499
Ion Ratio Lower Upper
56 100
55 40.8 57.9 86.9#

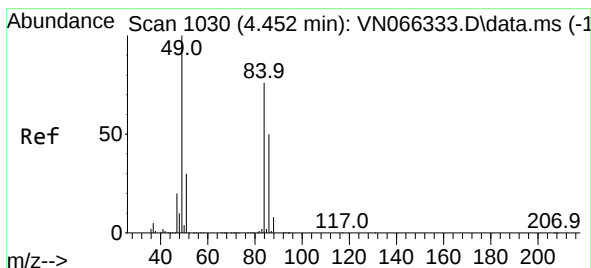
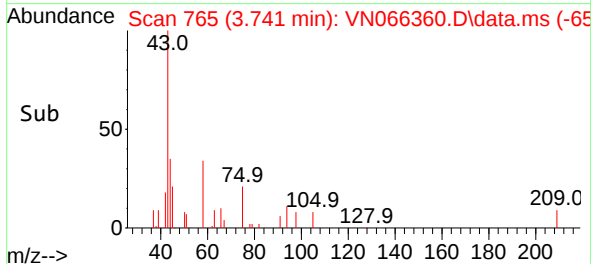
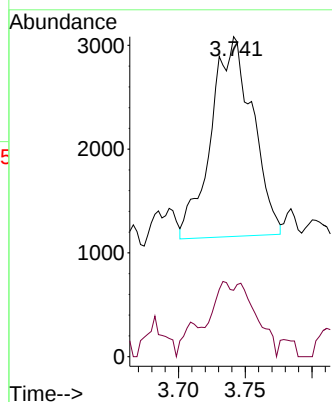
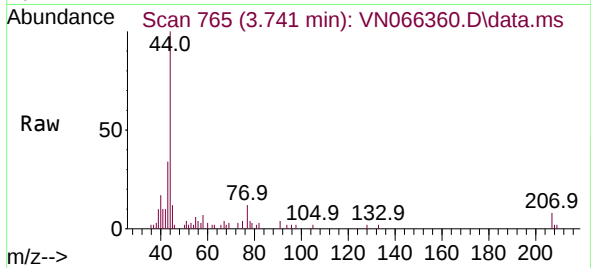




#16
Acetone
Concen: 1.18 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.005 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

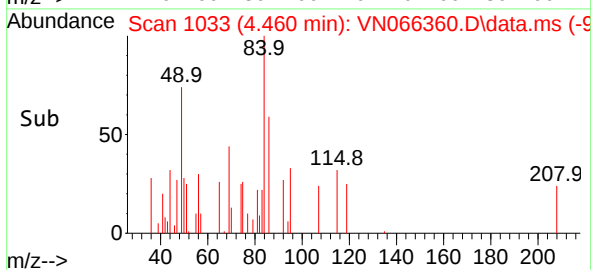
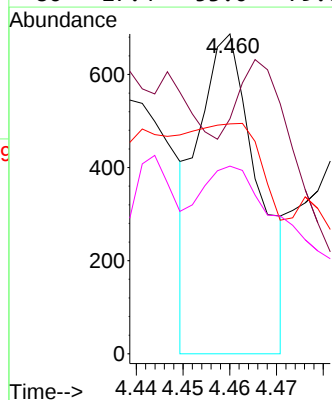
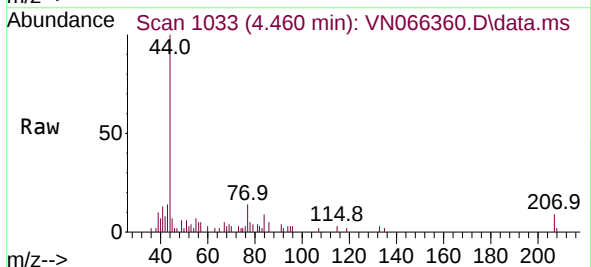
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

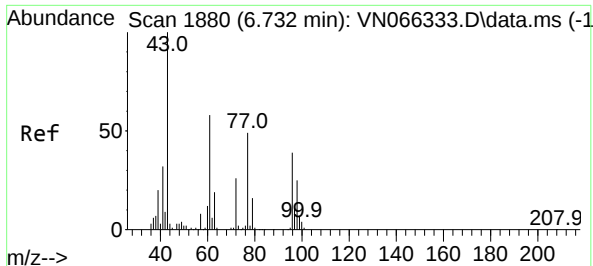
Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
58 26.3 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.460 min Scan# 1033
Delta R.T. 0.008 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 84 Resp: 613
Ion Ratio Lower Upper
84 100
49 0.0 105.0 157.6#
51 52.9 31.6 47.4#
86 27.4 53.0 79.6#





#27

cis-1,2-Dichloroethene

Concen: 0.27 ug/l

RT: 6.732 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

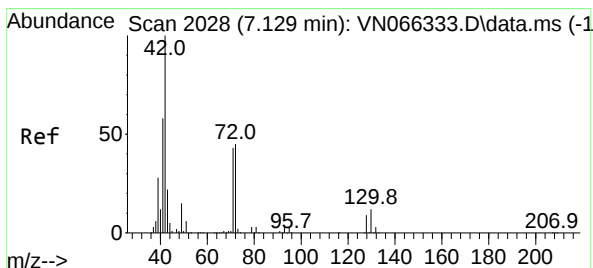
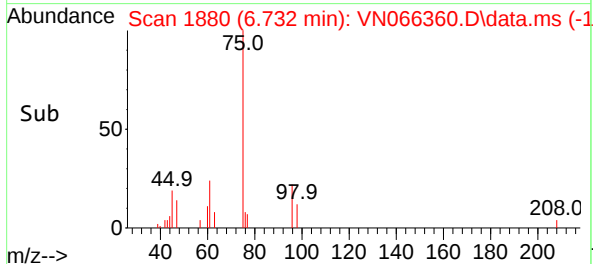
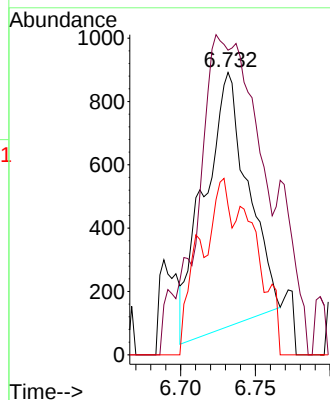
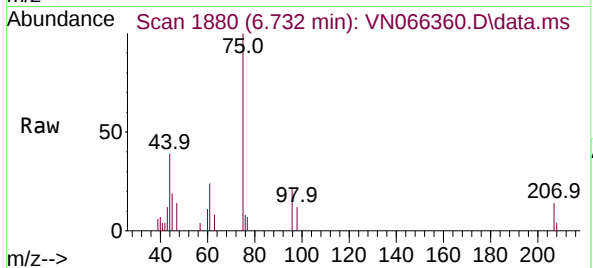
Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20210322

Tgt Ion:	96	Resp:	1636
Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	296.2
98	13.8	0.0	129.2



#29

Tetrahydrofuran

Concen: 0.28 ug/l

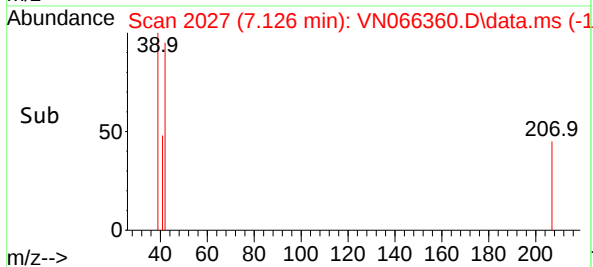
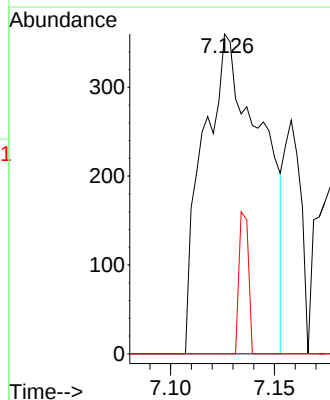
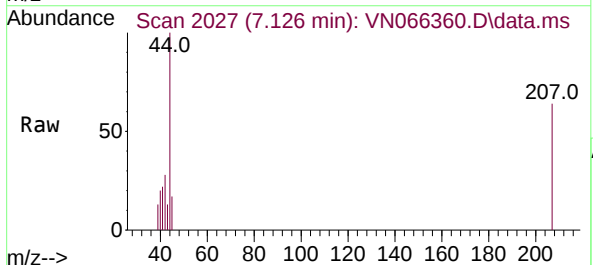
RT: 7.126 min Scan# 2027

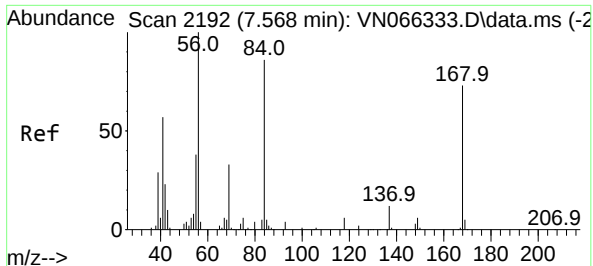
Delta R.T. -0.003 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

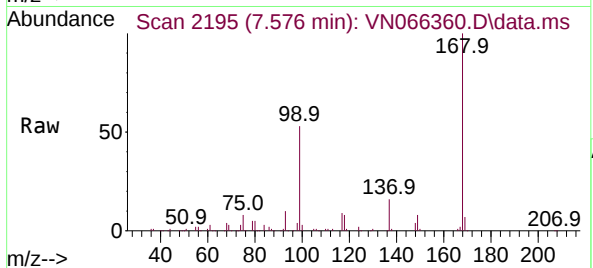
Tgt Ion:	42	Resp:	710
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	7.0	33.1	49.7#



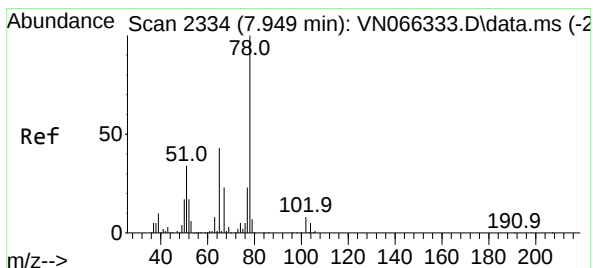
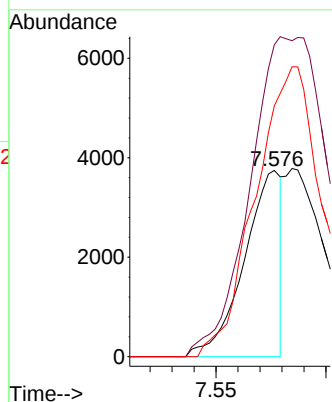
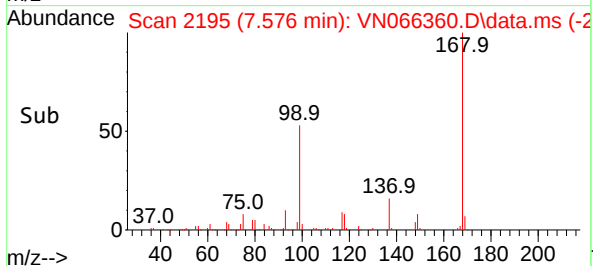


#31
Cyclohexane
Concen: 0.48 ug/l
RT: 7.576 min Scan# 2195
Delta R.T. 0.008 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

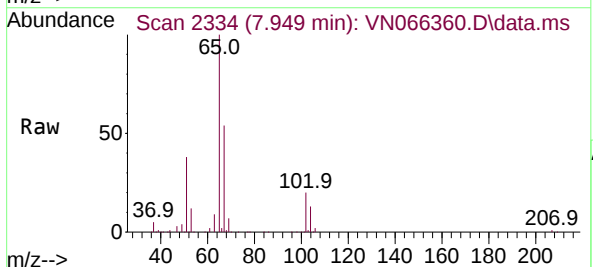
Instrument :
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RE105D2-20210322



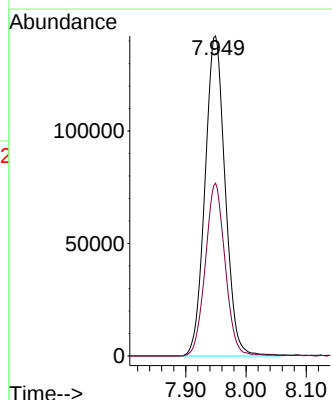
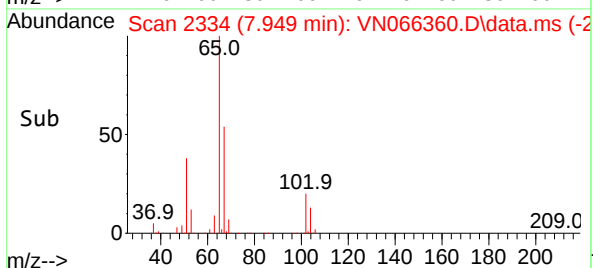
Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 167.5 26.6 40.0#
84 134.7 68.7 103.1#

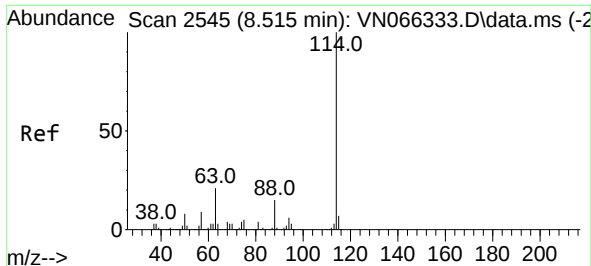


#33
1,2-Dichloroethane-d4
Concen: 50.65 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30



Tgt Ion: 65 Resp: 330713
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2

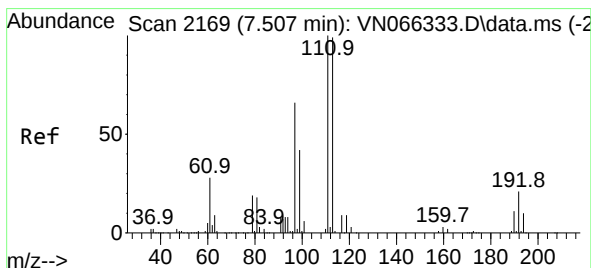
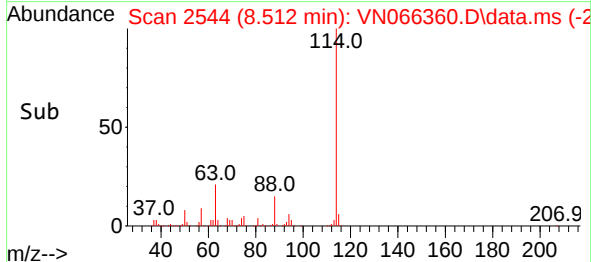
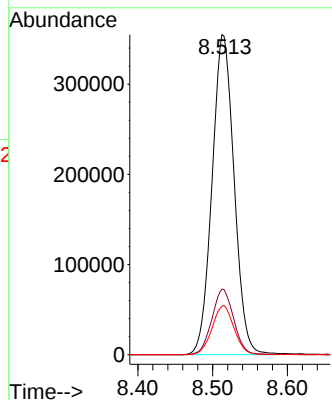
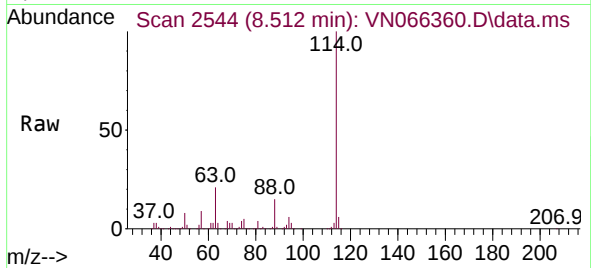




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.003 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

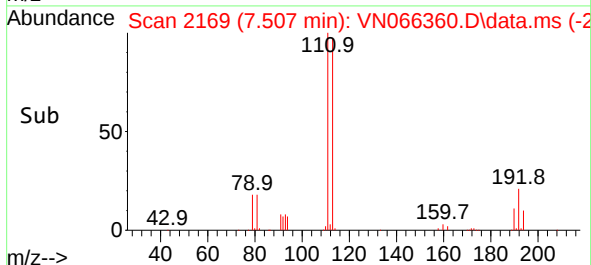
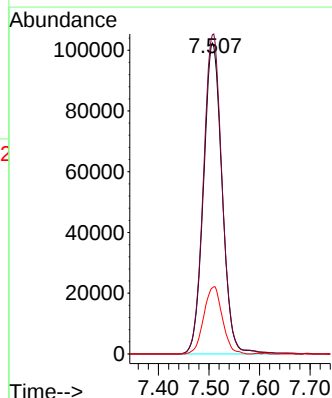
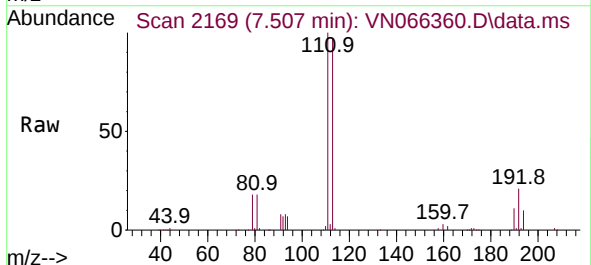
Instrument :
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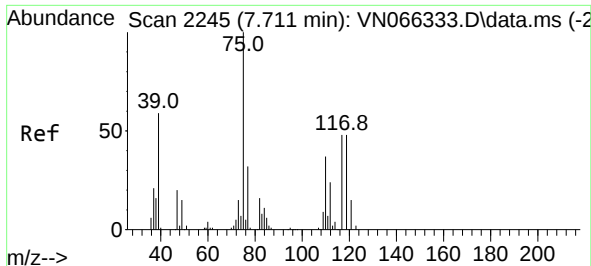
Tgt Ion:	114	Resp:	727224
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.0
88	15.1	0.0	31.0



#35
Dibromofluoromethane
Concen: 54.21 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

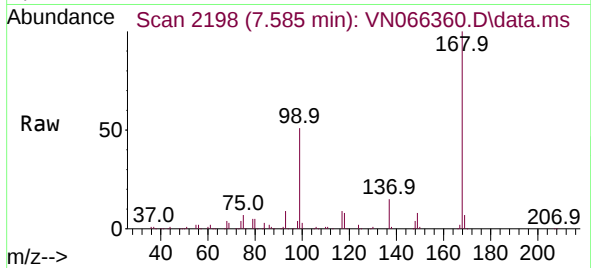
Tgt Ion:	113	Resp:	261353
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	21.6	17.1	25.7



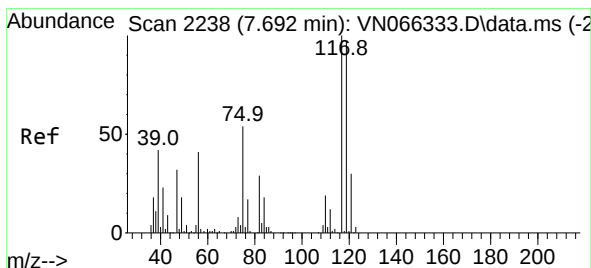
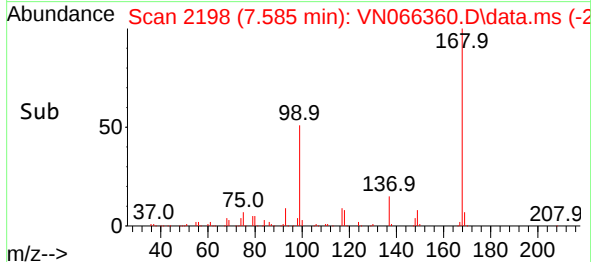
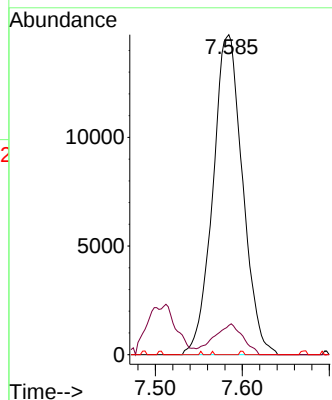


#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

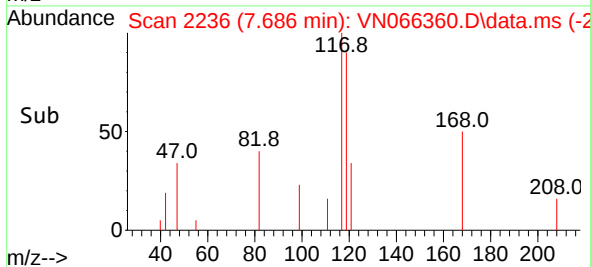
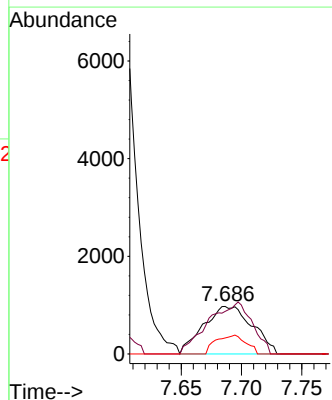
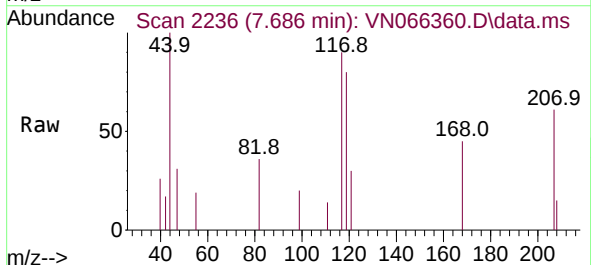


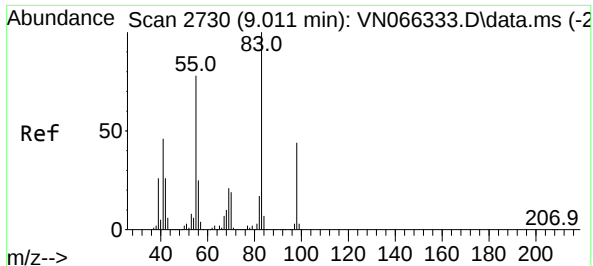
Tgt Ion: 75 Resp: 34920
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.3#
77 0.1 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 0.40 ug/l
RT: 7.686 min Scan# 2236
Delta R.T. -0.005 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 117 Resp: 2753
Ion Ratio Lower Upper
117 100
119 89.5 77.2 115.8
121 33.6 24.2 36.4





#39

Methylcyclohexane

Concen: 1.33 ug/l

RT: 8.765 min Scan# 2638

Delta R.T. -0.247 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

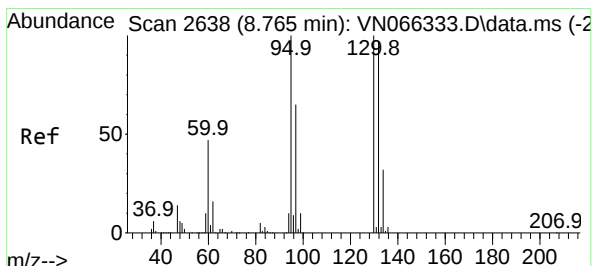
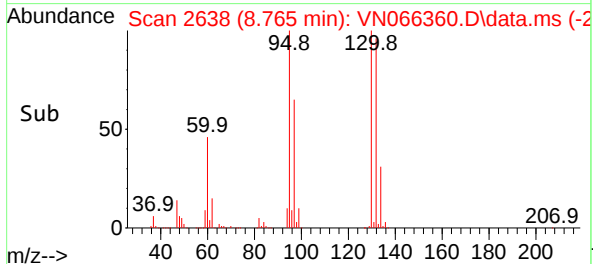
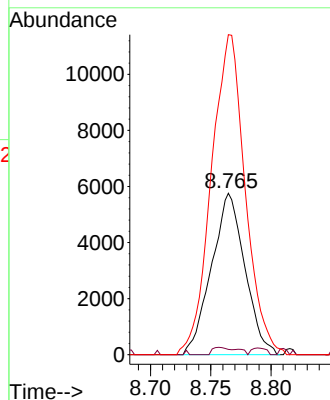
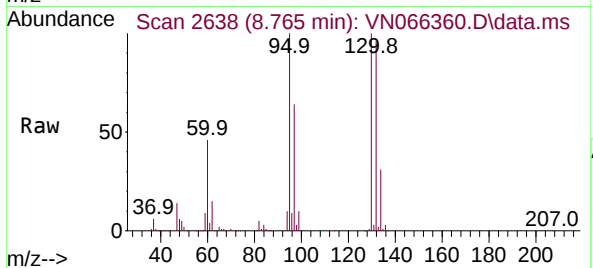
Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20210322

Tgt Ion:	83	Resp:	11087
Ion	Ratio	Lower	Upper
83	100		
55	3.3	62.3	93.5#
98	194.8	35.6	53.4#



#44

Trichloroethene

Concen: 168.03 ug/l

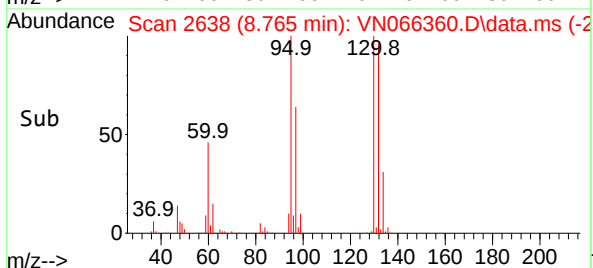
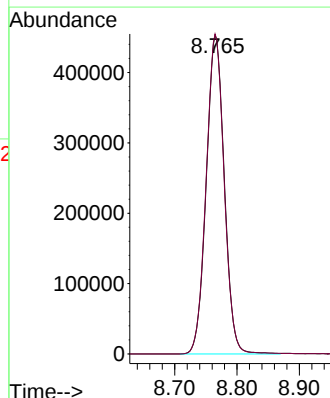
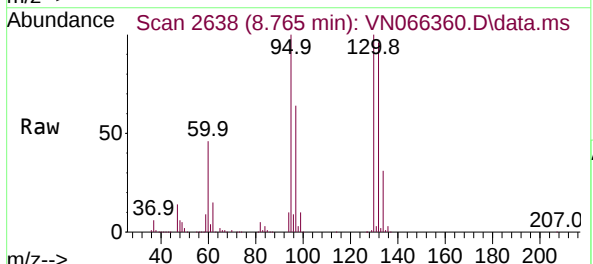
RT: 8.765 min Scan# 2638

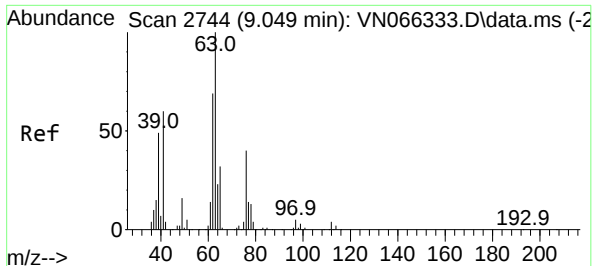
Delta R.T. 0.000 min

Lab File: VN066360.D

Acq: 26 Mar 2021 19:30

Tgt Ion:	130	Resp:	911943
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	200.6



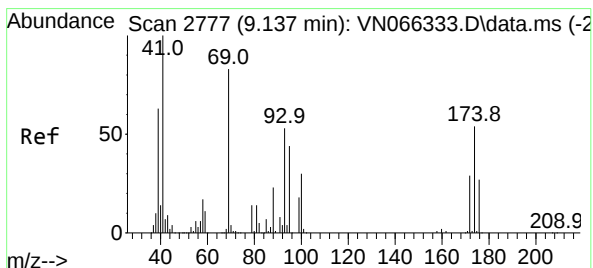
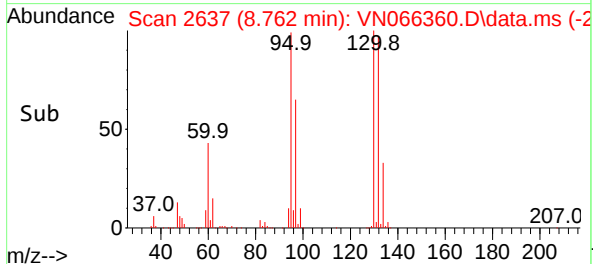
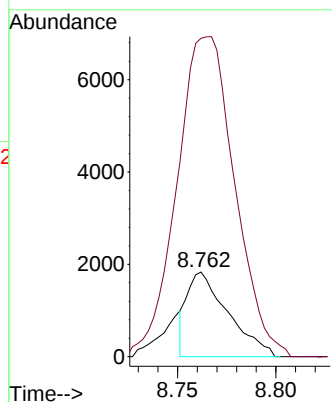
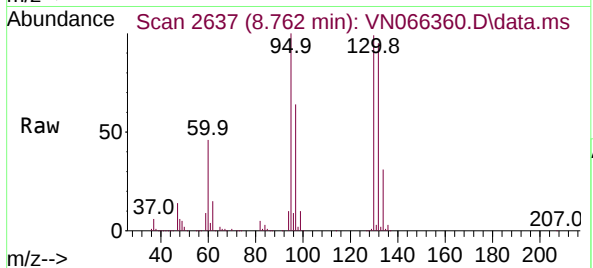


#45

1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 8.762 min Scan# 2637
Delta R.T. -0.287 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

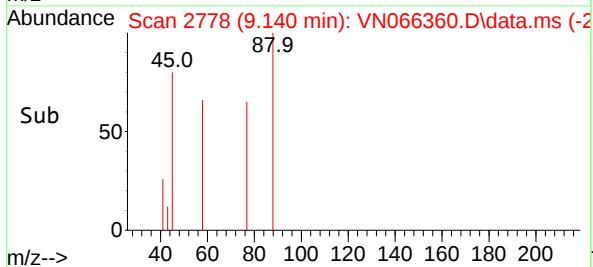
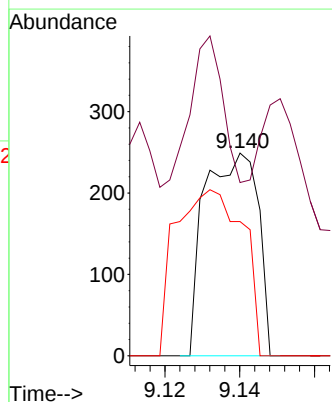
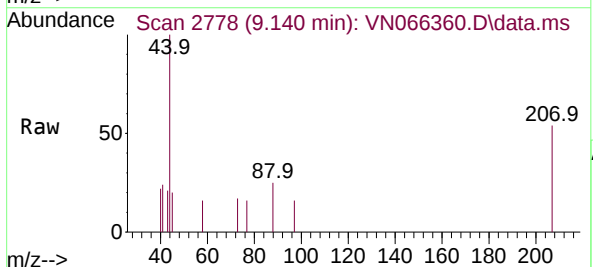
Tgt Ion: 63 Resp: 2647
Ion Ratio Lower Upper
63 100
65 363.4 25.5 38.3#

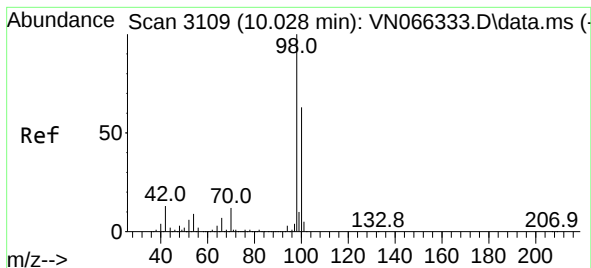


#49

1,4-Dioxane
Concen: 3.20 ug/l
RT: 9.140 min Scan# 2778
Delta R.T. 0.003 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 88 Resp: 246
Ion Ratio Lower Upper
88 100
43 46.7 28.2 42.4#
58 103.7 56.6 84.8#

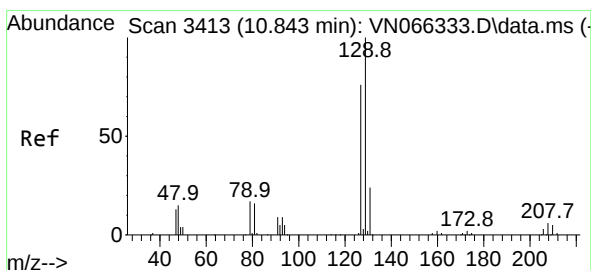
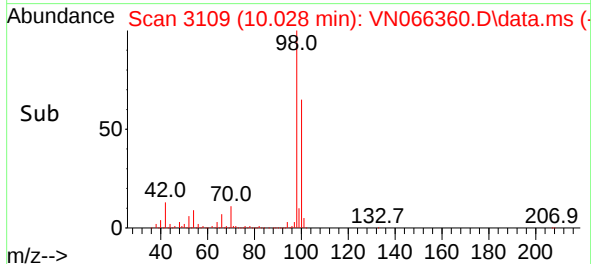
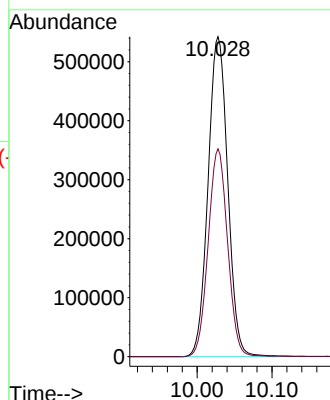
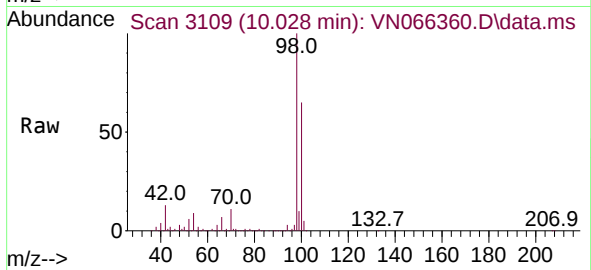




#50
Toluene-d8
Concen: 54.29 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

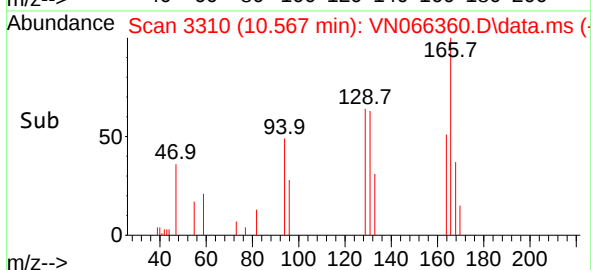
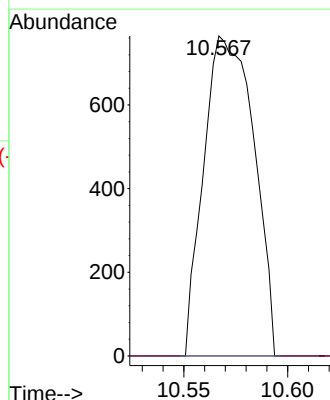
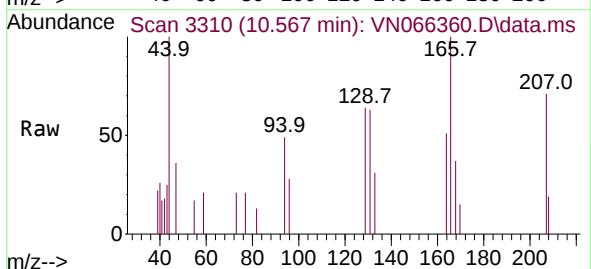
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

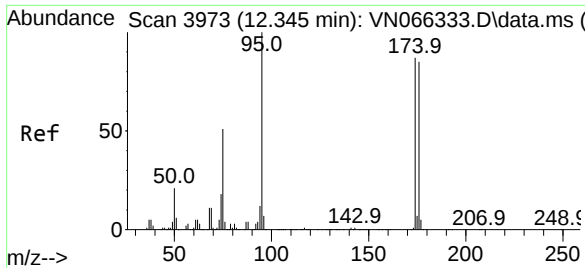
Tgt Ion: 98 Resp: 992831
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#60
Dibromochloromethane
Concen: 0.23 ug/l
RT: 10.567 min Scan# 3310
Delta R.T. -0.276 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion:129 Resp: 1283
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

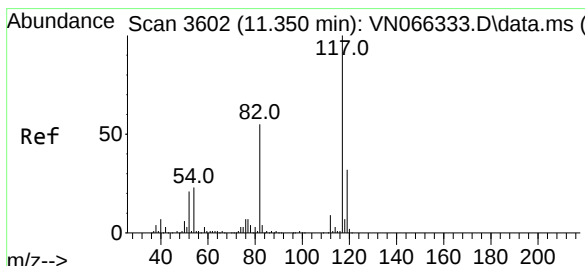
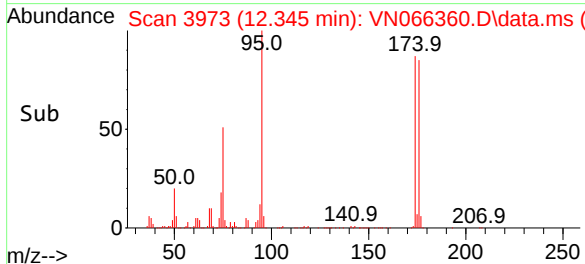
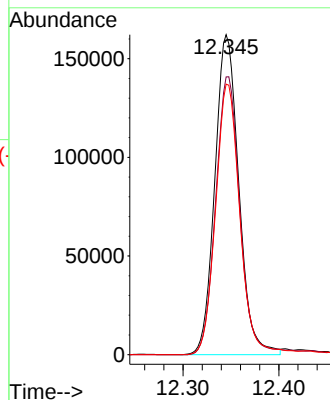
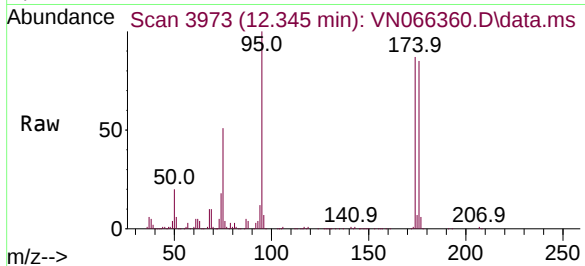




#62
4-Bromofluorobenzene
Concen: 44.39 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

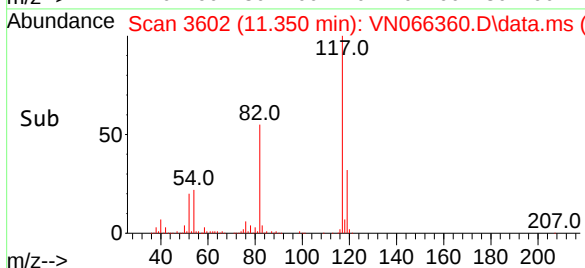
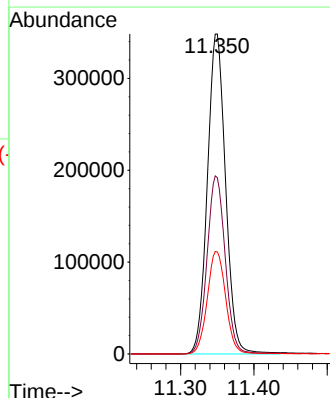
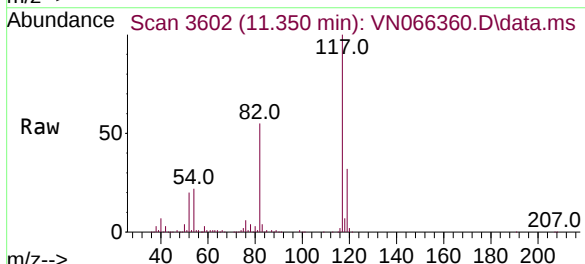
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

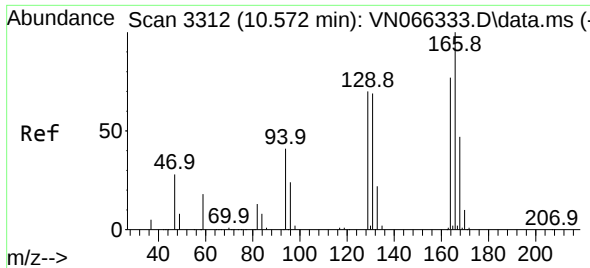
Tgt Ion:	95	Resp:	281927
Ion Ratio	Lower	Upper	
95	100		
174	87.5	0.0	172.2
176	85.6	0.0	167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

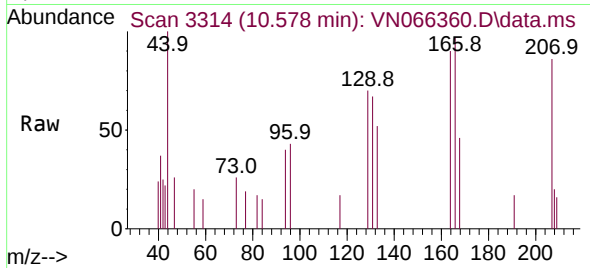
Tgt Ion:	117	Resp:	601031
Ion Ratio	Lower	Upper	
117	100		
82	55.1	44.2	66.4
119	31.9	25.8	38.6



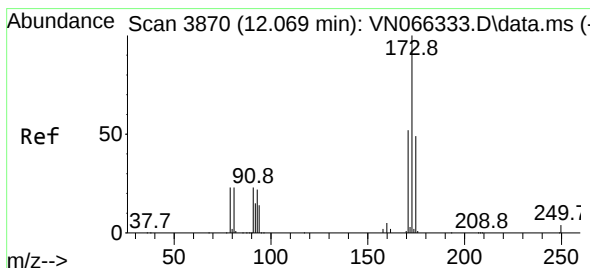
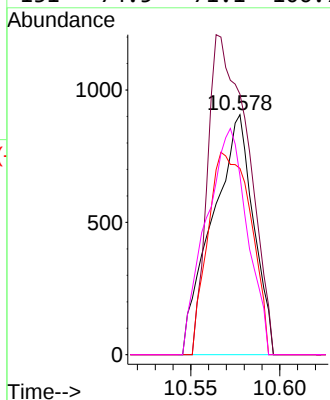


#64
Tetrachloroethene
Concen: 0.28 ug/l
RT: 10.578 min Scan# 3314
Delta R.T. 0.005 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

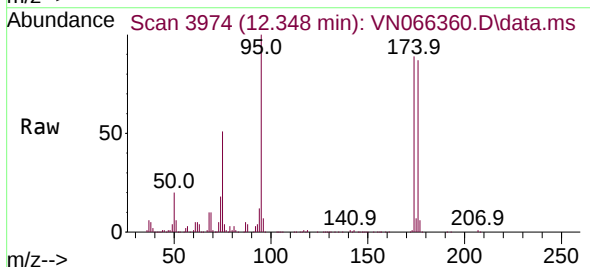
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322



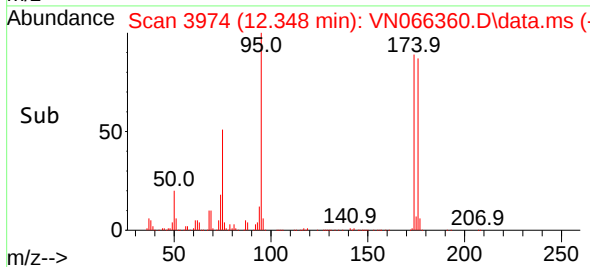
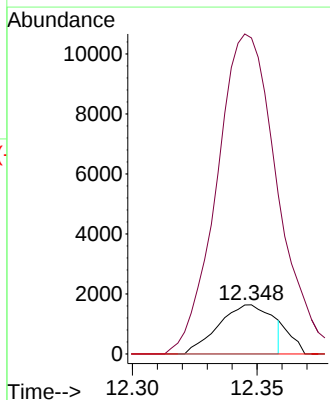
Tgt Ion:	164	Resp:	1452
Ion Ratio	Lower	Upper	
164	100		
166	108.5	103.3	154.9
129	77.6	72.5	108.7
131	74.5	71.1	106.7

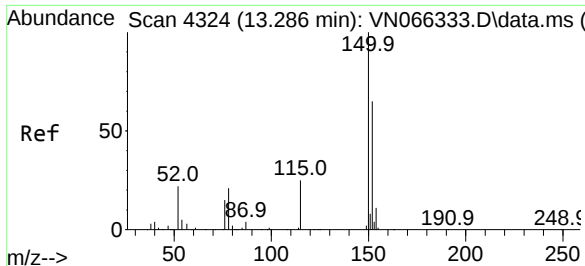


#71
Bromoform
Concen: 0.64 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.279 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30



Tgt Ion:	173	Resp:	2465
Ion Ratio	Lower	Upper	
173	100		
175	642.8	24.3	72.8#
254	0.0	0.0	0.0

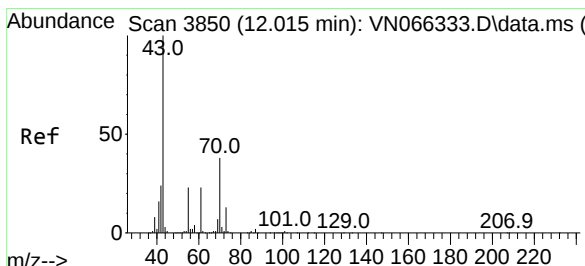
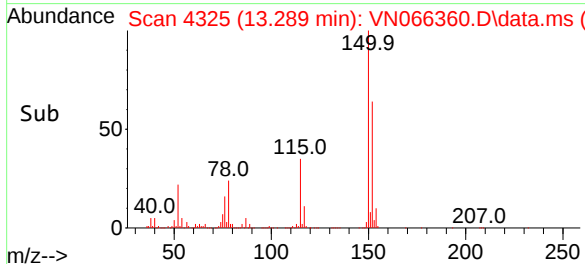
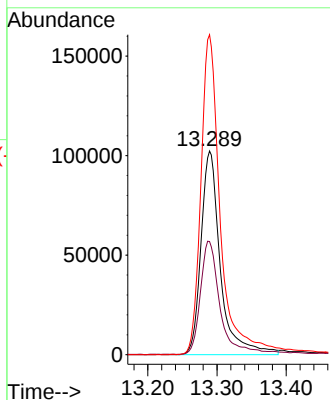
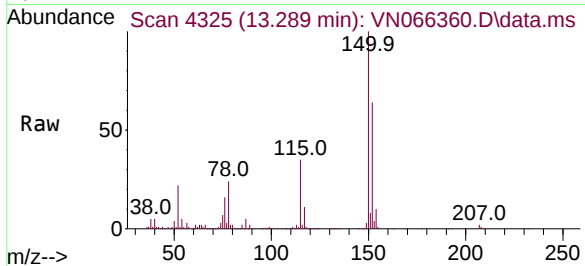




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

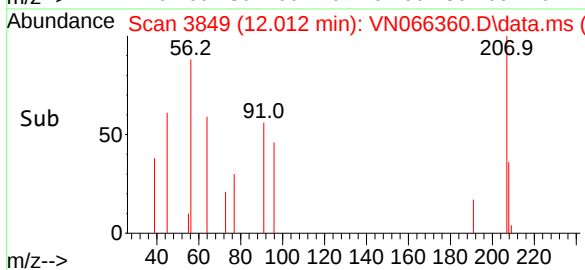
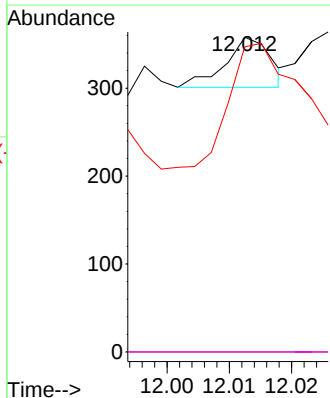
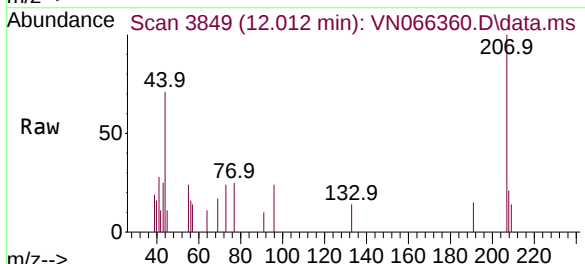
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

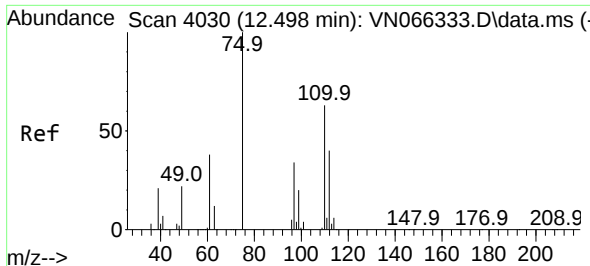
Tgt Ion:152 Resp: 199303
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.4
150 157.9 0.0 348.4



#74
N-ethyl acetate
Concen: 3.20 ug/l
RT: 12.012 min Scan# 3849
Delta R.T. -0.003 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 534.5 18.6 28.0#
61 0.0 18.2 27.4#

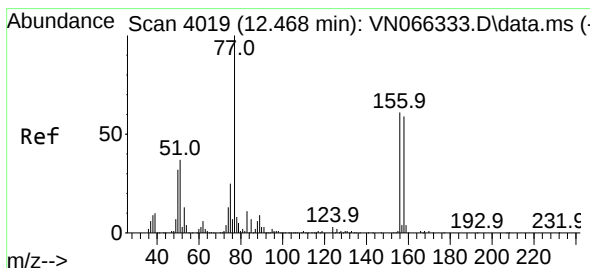
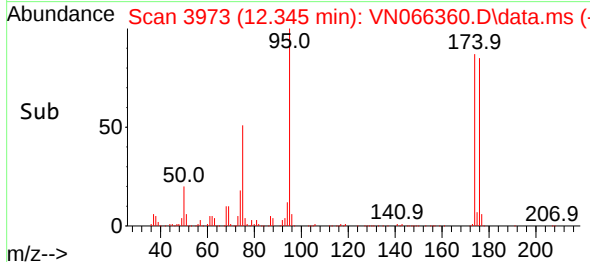
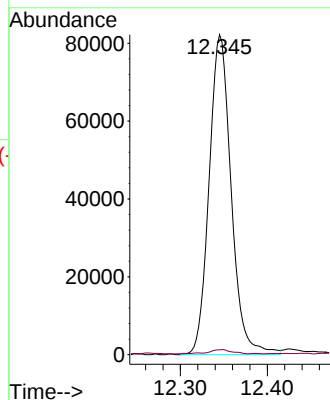
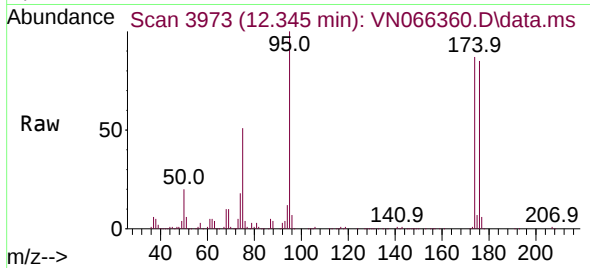




#76
1,2,3-Trichloropropane
Concen: 33.15 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

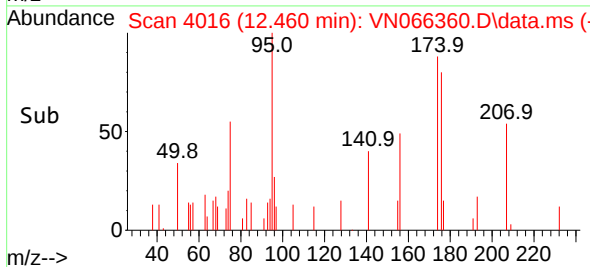
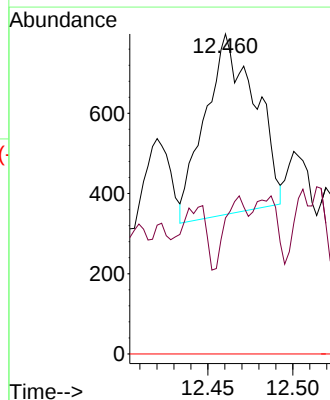
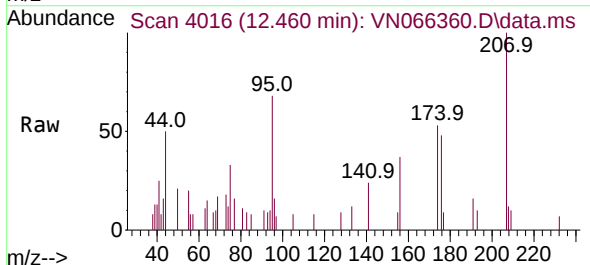
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

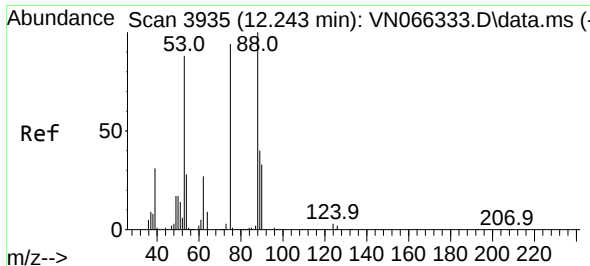
Tgt Ion: 75 Resp: 144959
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#77
Bromobenzene
Concen: 0.24 ug/l
RT: 12.460 min Scan# 4016
Delta R.T. -0.008 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Tgt Ion: 156 Resp: 914
Ion Ratio Lower Upper
156 100
77 17.7 99.7 299.1#
158 0.0 48.8 146.3#

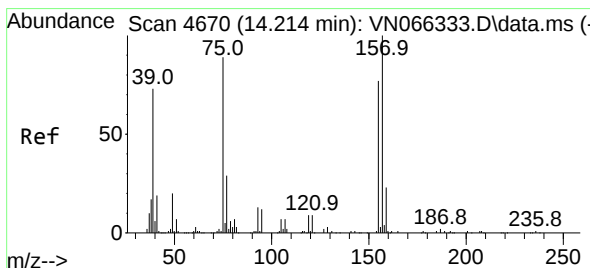
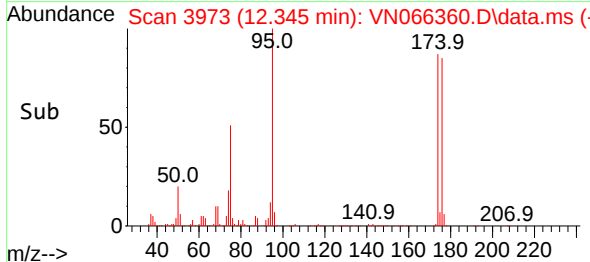
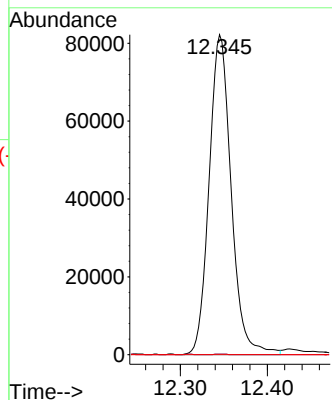
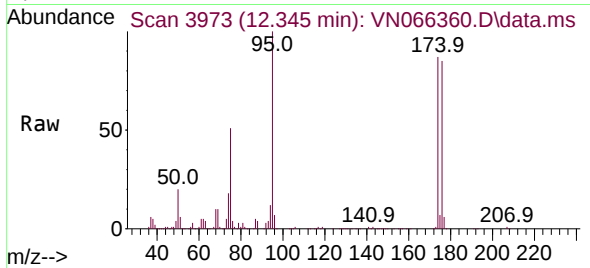




#81
trans-1,4-Dichloro-2-butene
Concen: 99.68 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

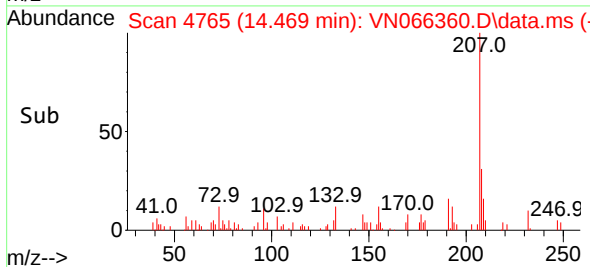
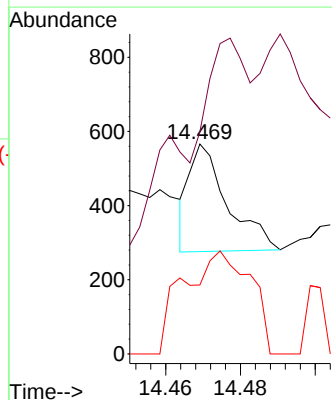
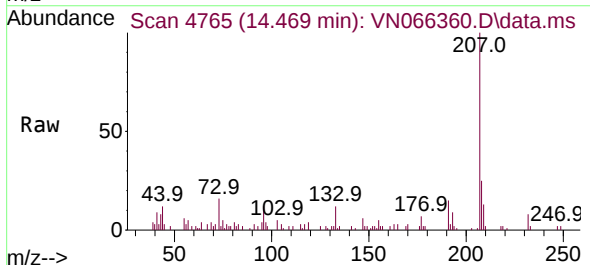
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322

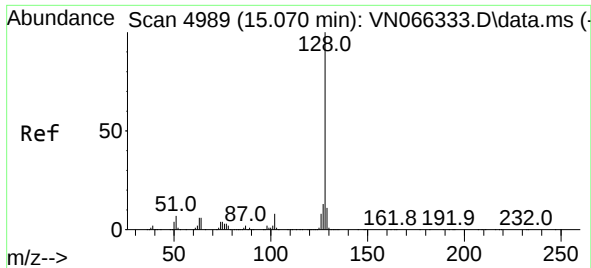
Tgt Ion: 75 Resp: 144959
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.23 ug/l
RT: 14.469 min Scan# 4765
Delta R.T. 0.255 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

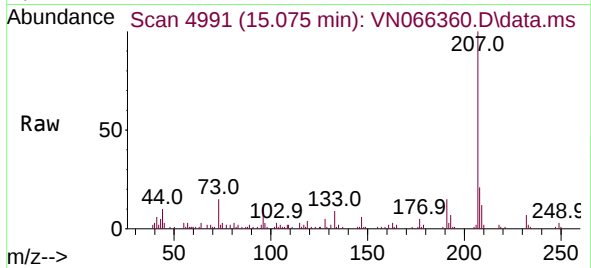
Tgt Ion: 75 Resp: 206
Ion Ratio Lower Upper
75 100
155 115.0 43.8 131.3
157 167.0 57.6 172.8





#95
Naphthalene
Concen: 1.19 ug/l
RT: 15.075 min Scan# 4991
Delta R.T. 0.005 min
Lab File: VN066360.D
Acq: 26 Mar 2021 19:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20210322



Tgt Ion:	128	Resp:	1728
Ion	Ratio	Lower	Upper
128	100		
127	4.7	10.5	15.7#
129	0.0	8.5	12.7#

