

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032621\
 Data File : VN066359.D
 Acq On : 26 Mar 2021 19:06
 Operator : JC/MD
 Sample : M1788-08 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20210322

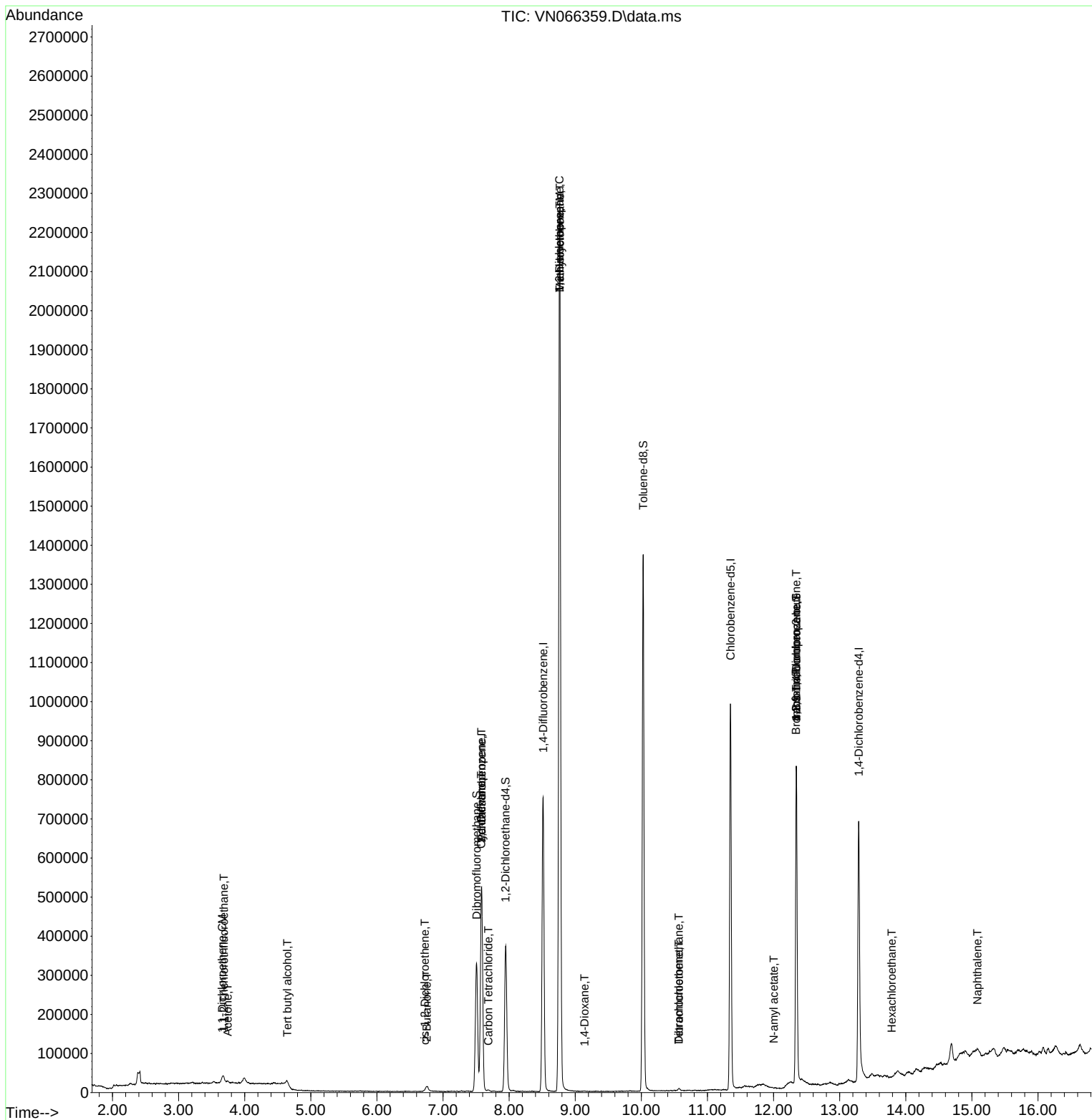
Quant Time: Mar 27 01:50:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

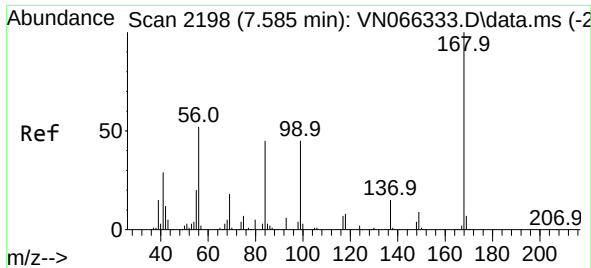
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.584	168	455345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	675296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	568117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	212199	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	309640	51.15	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.30%			
35) Dibromofluoromethane	7.509	113	244885	54.70	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.40%			
50) Toluene-d8	10.028	98	927621	54.63	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.26%			
62) 4-Bromofluorobenzene	12.345	95	277194	47.00	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.00%			
Target Compounds						Qvalue
3) Chloromethane	2.017	50	3223	Below Cal		97
9) 1,1,2-Trichlorotrifluo...	3.685	101	8475	1.66 ug/l		94
11) Tert butyl alcohol	4.645	59	6315	6.84 ug/l #		91
12) 1,1-Dichloroethene	3.658	96	3315	0.64 ug/l		97
13) Acrolein	3.529	56	3507	Below Cal #		60
16) Acetone	3.744	43	5601	1.71 ug/l		89
20) Methylene Chloride	4.439	84	876	Below Cal #		73
25) 2-Butanone	6.756	43	925	0.26 ug/l #		49
27) cis-1,2-Dichloroethene	6.726	96	1218	0.22 ug/l		53
31) Cyclohexane	7.579	56	9483	1.13 ug/l #		7
36) 1,1-Dichloropropene	7.582	75	32524	5.13 ug/l #		49
38) Carbon Tetrachloride	7.684	117	1449	0.23 ug/l #		82
39) Methylcyclohexane	8.767	83	9633	1.25 ug/l #		1
44) Trichloroethene	8.765	130	821781	163.07 ug/l		99
45) 1,2-Dichloropropane	8.762	63	2066	0.40 ug/l #		1
49) 1,4-Dioxane	9.140	88	331	4.64 ug/l #		81
60) Dibromochloromethane	10.570	129	1393	0.27 ug/l #		11
64) Tetrachloroethene	10.567	164	1293	0.27 ug/l #		68
71) Bromoform	12.342	173	2555	0.70 ug/l #		1
74) N-amyl acetate	12.004	43	97	3.21 ug/l #		6
76) 1,2,3-Trichloropropane	12.345	75	139049	29.86 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.345	75	139049	89.81 ug/l #		12
90) Hexachloroethane	13.788	117	513	0.22 ug/l #		5
95) Naphthalene	15.083	128	3018	1.29 ug/l #		83

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

Quant Time: Mar 27 01:50:39 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

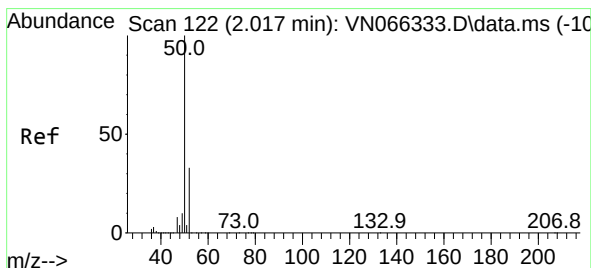
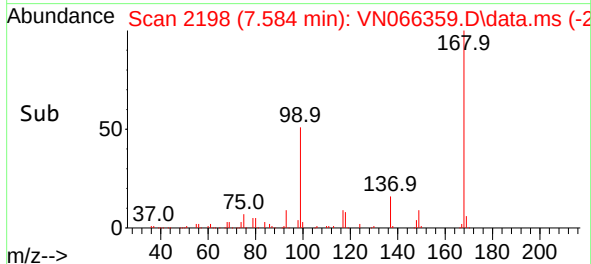
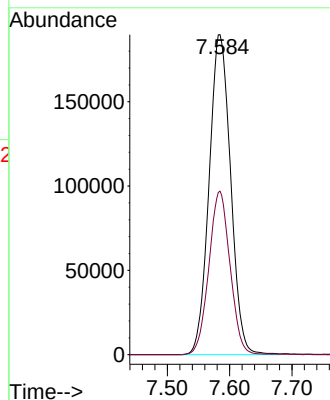
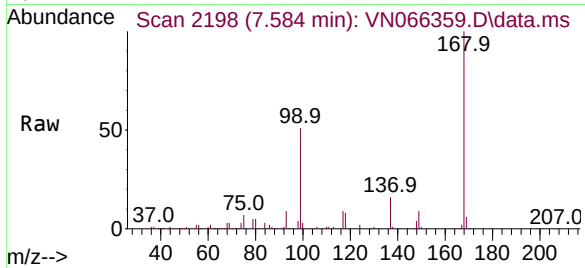




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

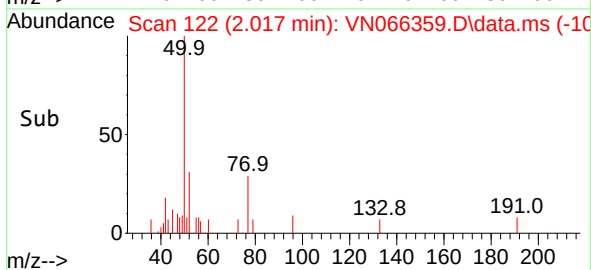
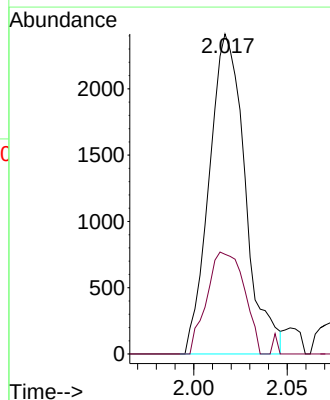
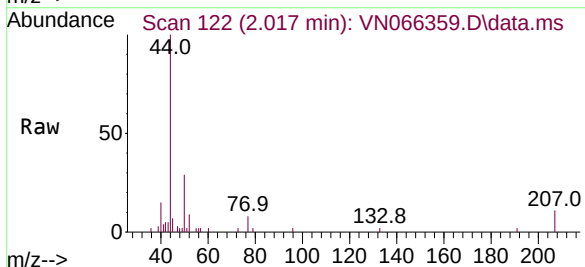
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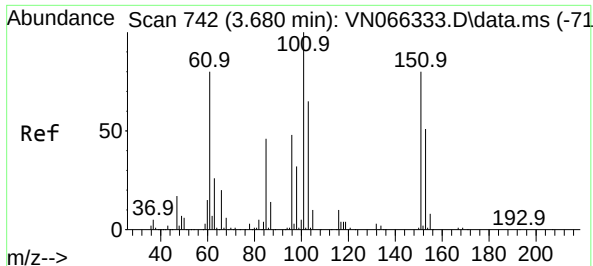
Tgt Ion:168 Resp: 455345
Ion Ratio Lower Upper
168 100
99 51.1 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 50 Resp: 3223
Ion Ratio Lower Upper
50 100
52 31.2 26.2 39.2

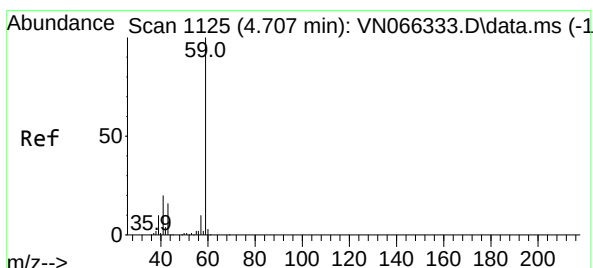
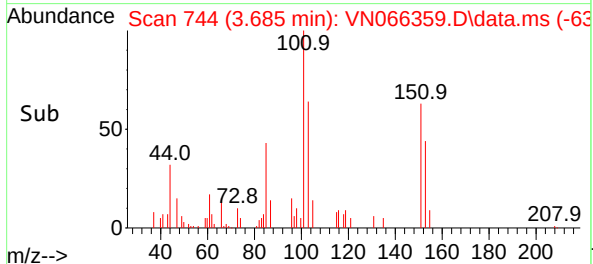
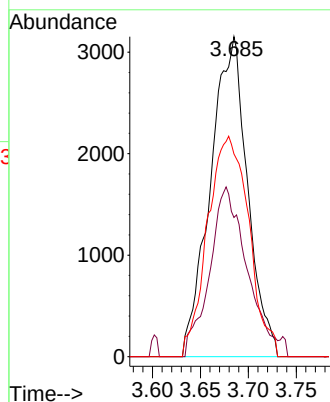
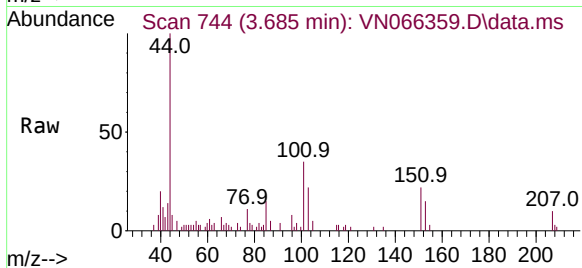




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.66 ug/l
RT: 3.685 min Scan# 744
Delta R.T. 0.005 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

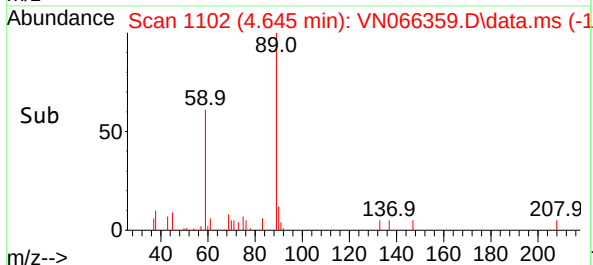
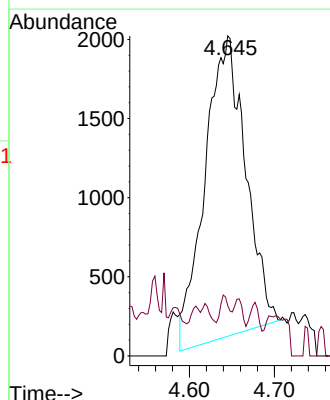
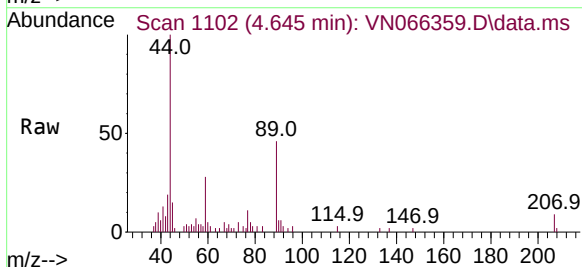
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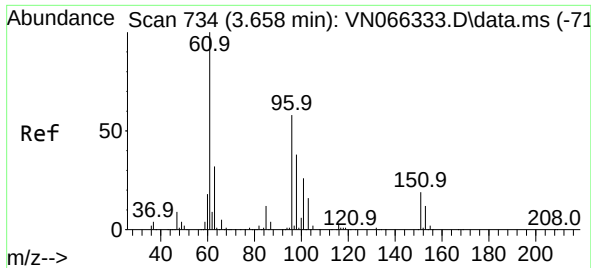
Tgt Ion:	101	Resp:	8475
Ion	Ratio	Lower	Upper
101	100		
85	53.2	36.8	55.2
151	76.6	63.0	94.4



#11
Tert butyl alcohol
Concen: 6.84 ug/l
RT: 4.645 min Scan# 1102
Delta R.T. -0.062 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:	59	Resp:	6315
Ion	Ratio	Lower	Upper
59	100		
57	2.1	4.1	6.1#

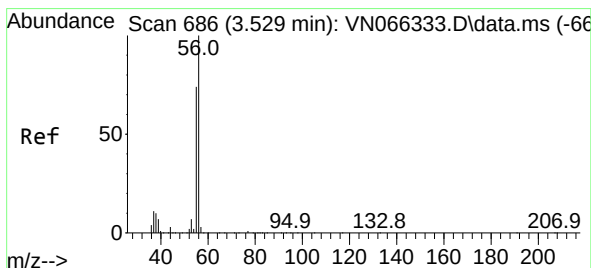
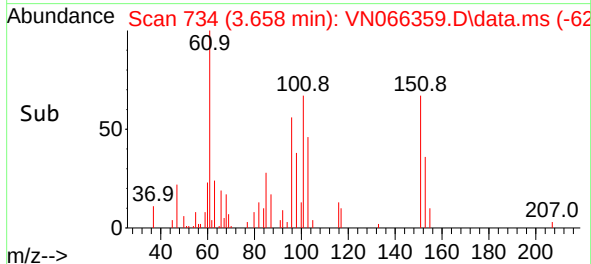
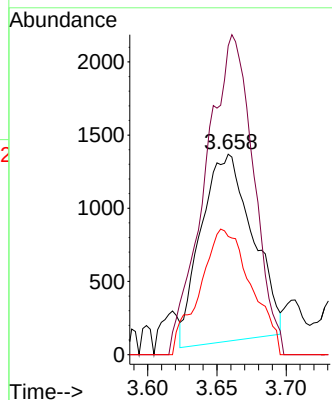
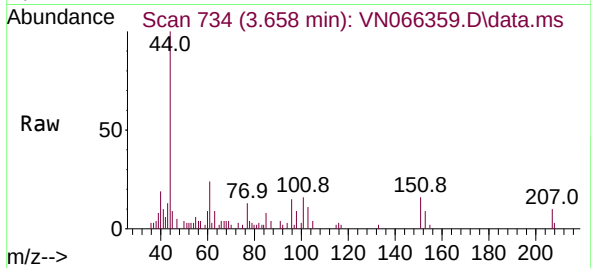




#12
1,1-Dichloroethene
Concen: 0.64 ug/l
RT: 3.658 min Scan# 734
Delta R.T. -0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

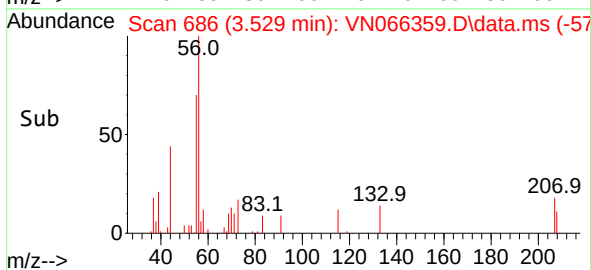
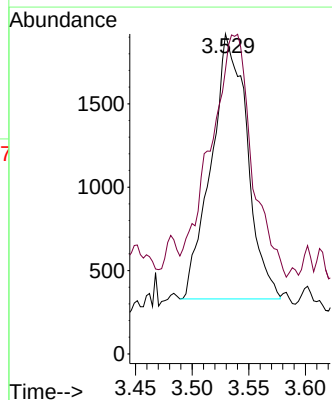
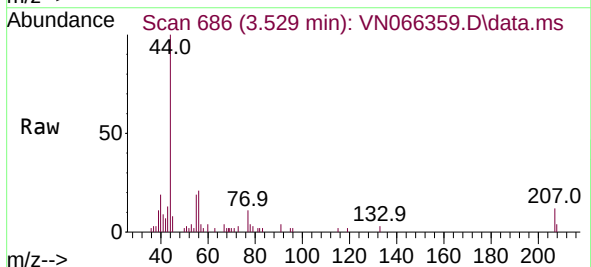
Instrument :
MSVOA_N
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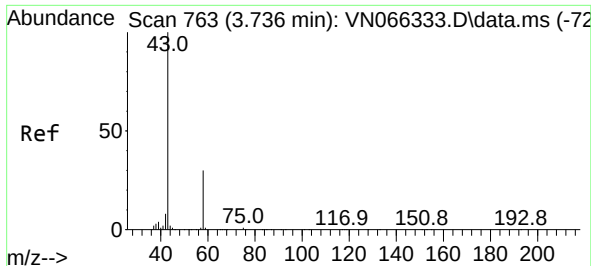
Tgt Ion:	96	Resp:	3315
Ion	Ratio	Lower	Upper
96	100		
61	169.3	137.0	205.4
98	70.3	51.5	77.3



#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:	56	Resp:	3507
Ion	Ratio	Lower	Upper
56	100		
55	106.0	57.9	86.9#

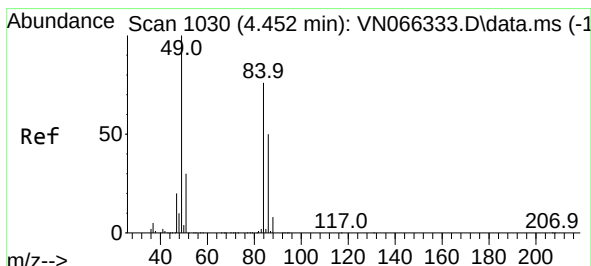
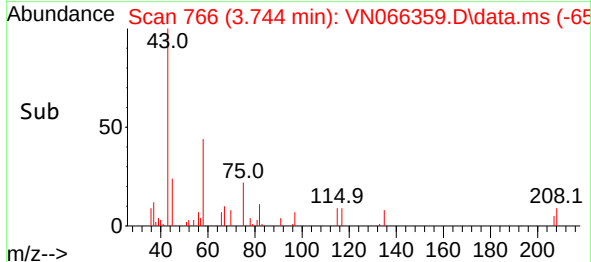
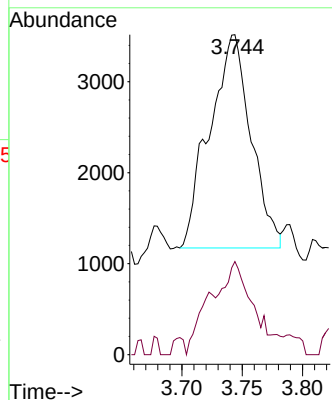
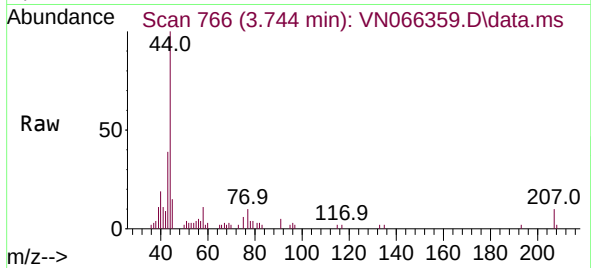




#16
Acetone
Concen: 1.71 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.008 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

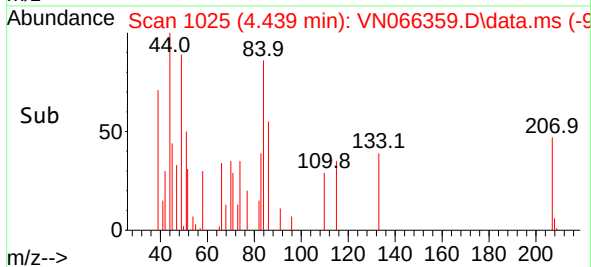
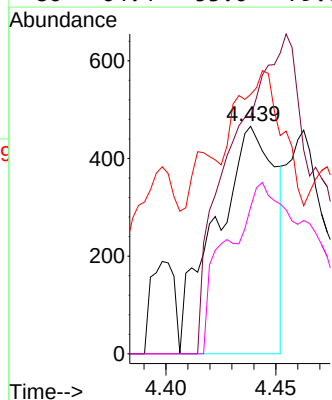
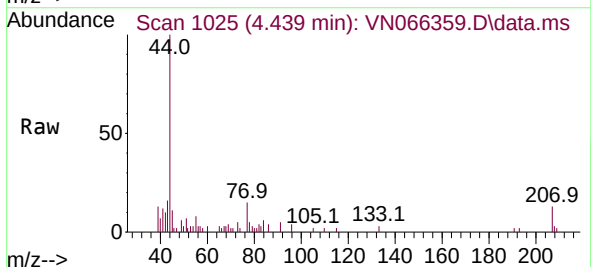
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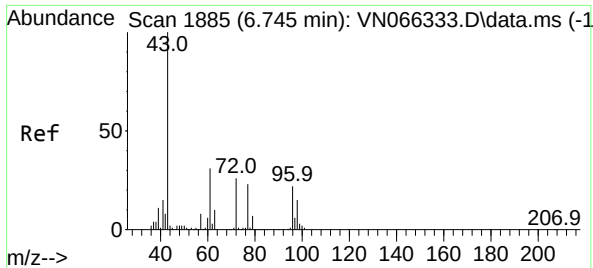
Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 35.7 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.439 min Scan# 1025
Delta R.T. -0.013 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 84 Resp: 876
Ion Ratio Lower Upper
84 100
49 104.1 105.0 157.6#
51 87.3 31.6 47.4#
86 64.4 53.0 79.6

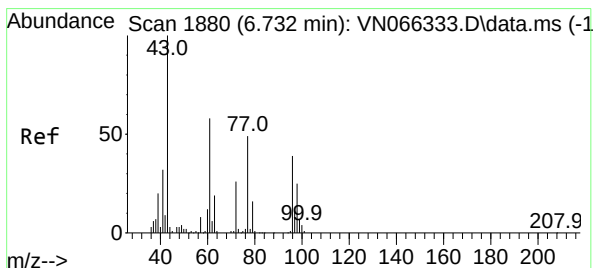
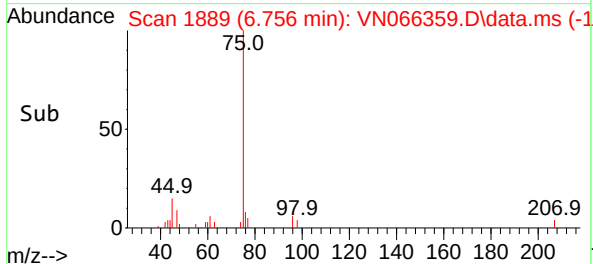
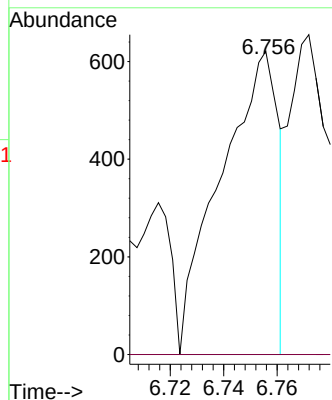
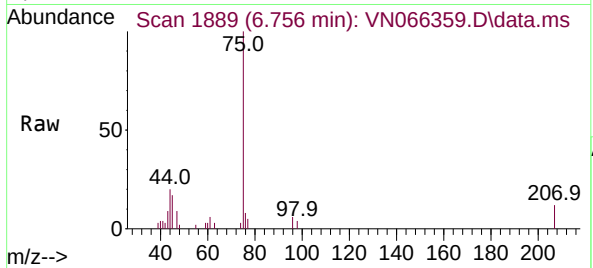




#25
2-Butanone
Concen: 0.26 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.011 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

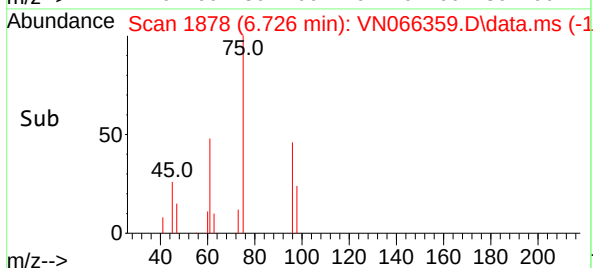
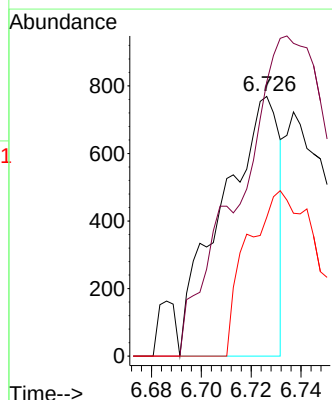
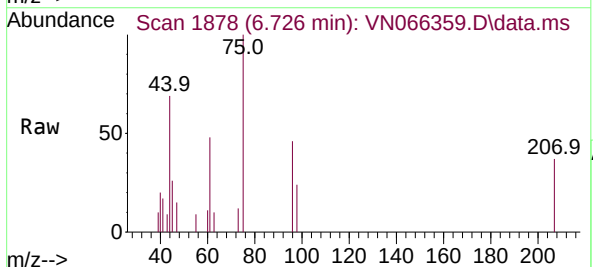
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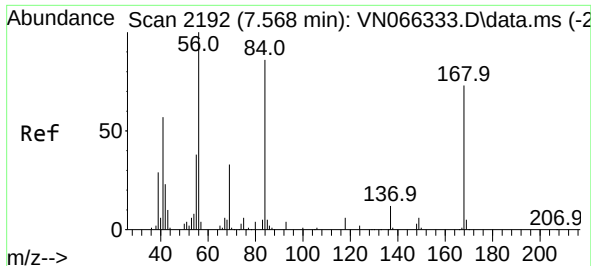
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#27
cis-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 6.726 min Scan# 1878
Delta R.T. -0.005 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 96 Resp: 1218
Ion Ratio Lower Upper
96 100
61 226.9 0.0 296.2
98 73.1 0.0 129.2

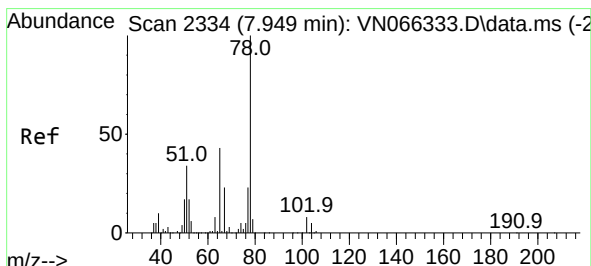
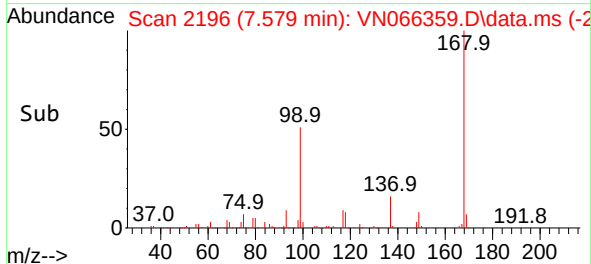
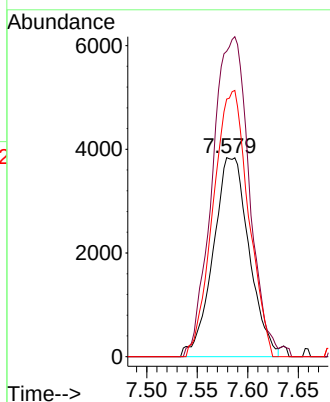
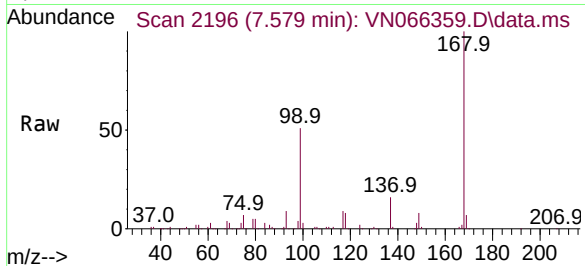




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.011 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

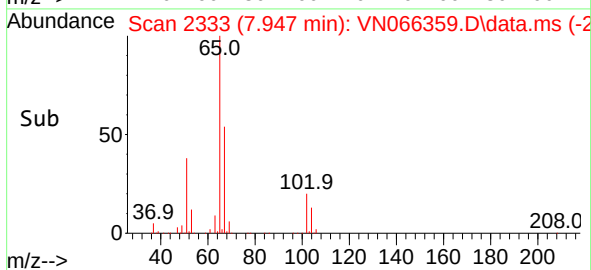
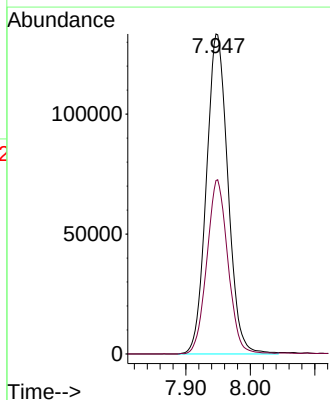
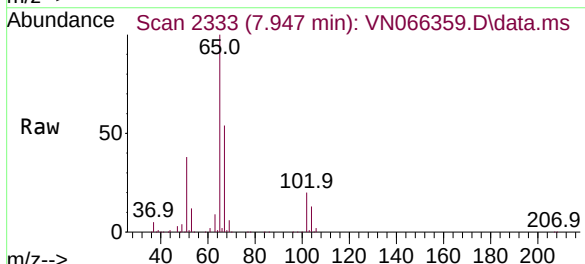
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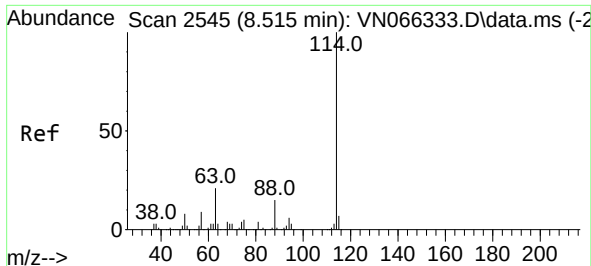
Tgt Ion: 56 Resp: 9483
Ion Ratio Lower Upper
56 100
69 153.5 26.6 40.0#
84 129.5 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 51.15 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. -0.002 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 65 Resp: 309640
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.2

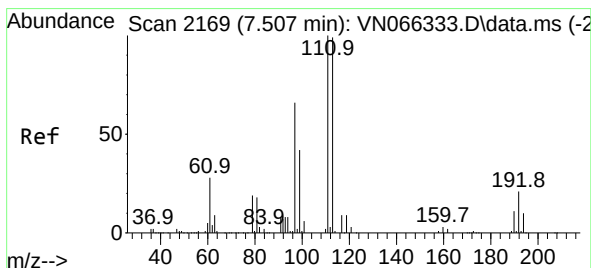
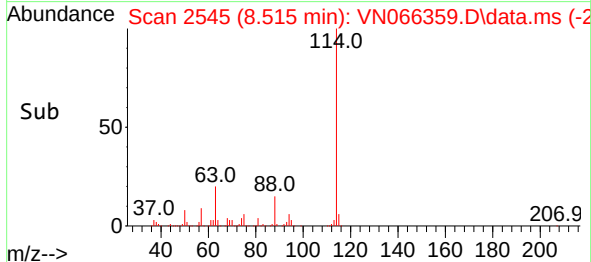
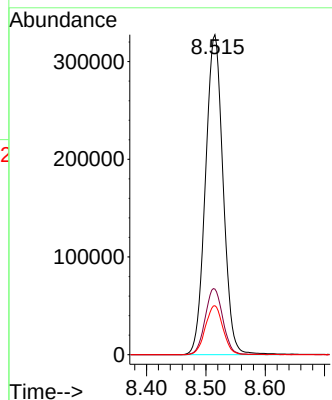
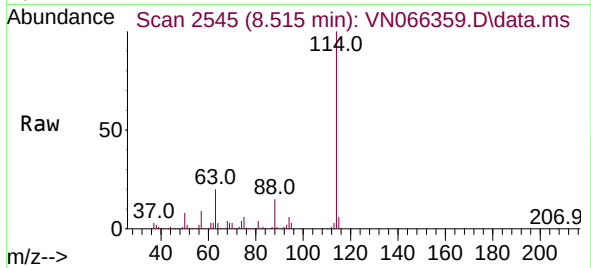




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

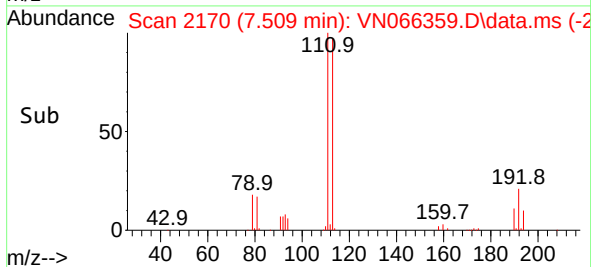
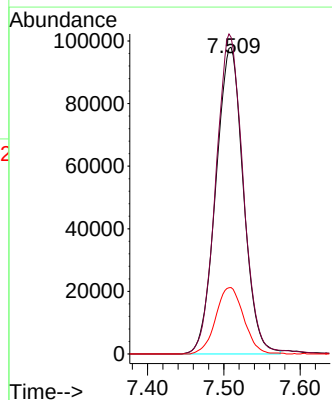
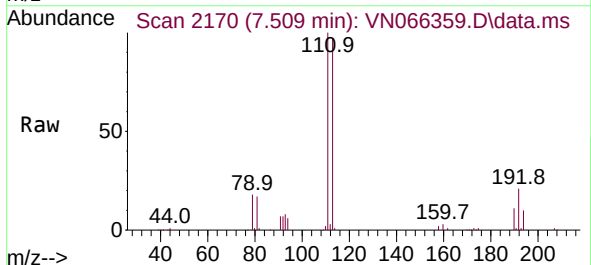
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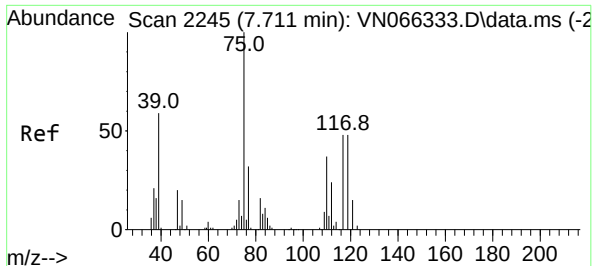
Tgt Ion:	114	Resp:	675296
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	42.0
88	15.3	0.0	31.0



#35
Dibromofluoromethane
Concen: 54.70 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.002 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:	113	Resp:	244885
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.8	122.8
192	22.1	17.1	25.7

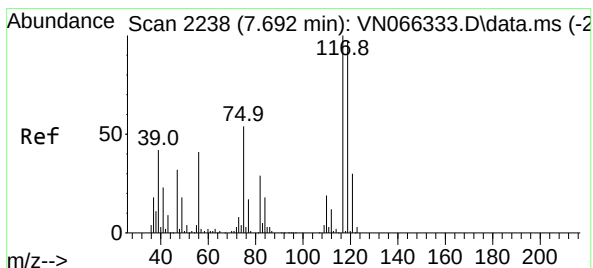
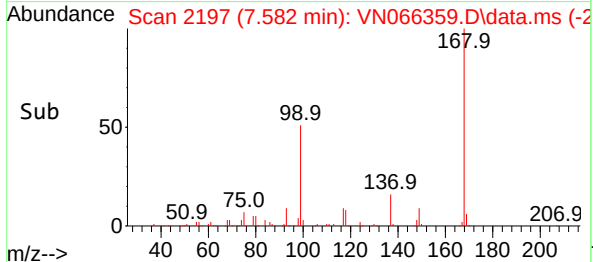
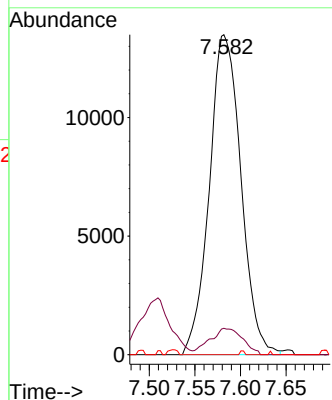
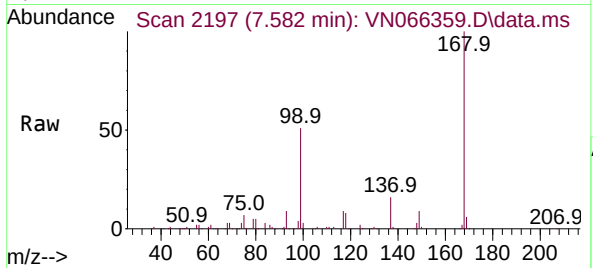




#36
1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

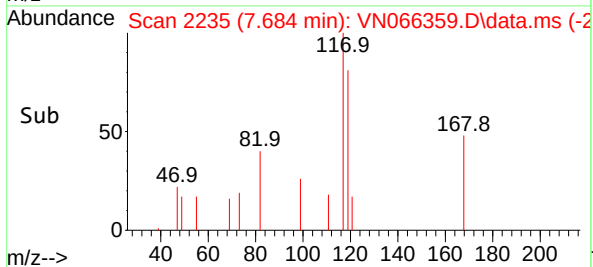
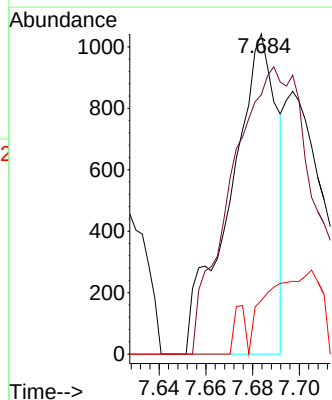
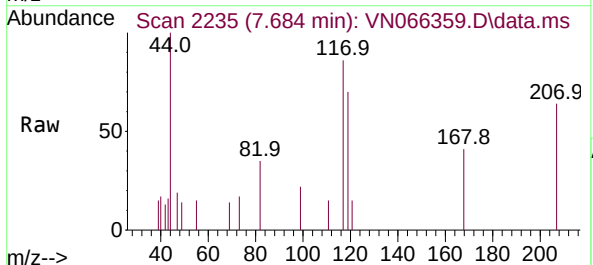
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

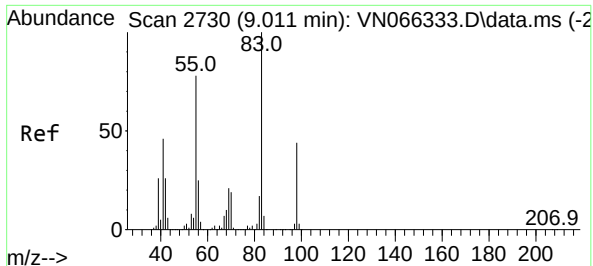
Tgt Ion: 75 Resp: 32524
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.3#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 0.23 ug/l
RT: 7.684 min Scan# 2235
Delta R.T. -0.008 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 117 Resp: 1449
Ion Ratio Lower Upper
117 100
119 81.0 77.2 115.8
121 16.8 24.2 36.4#





#39

Methylcyclohexane

Concen: 1.25 ug/l

RT: 8.767 min Scan# 2639

Delta R.T. -0.244 min

Lab File: VN066359.D

Acq: 26 Mar 2021 19:06

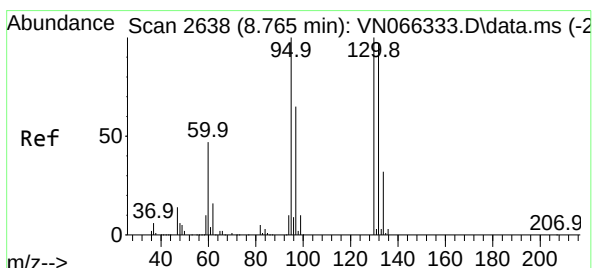
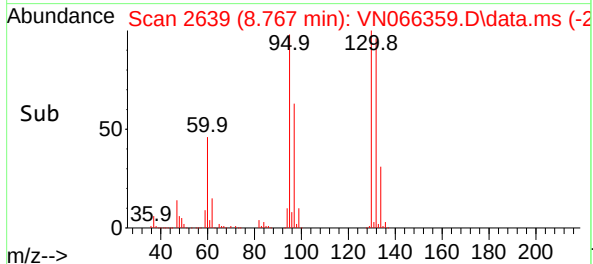
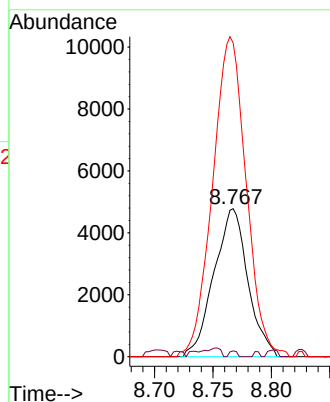
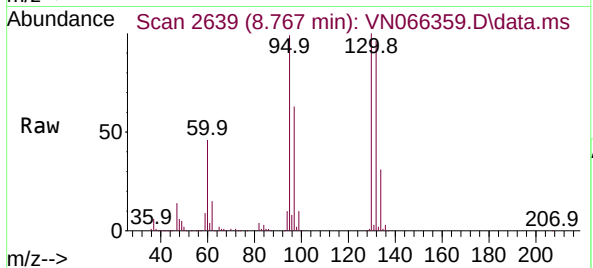
Instrument :

MSVOA_N

ClientSampleId :

DUP04-20210322

Tgt Ion: 83	Resp: 9633
Ion Ratio	Lower Upper
83 100	
55 3.9	62.3 93.5#
98 208.6	35.6 53.4#



#44

Trichloroethene

Concen: 163.07 ug/l

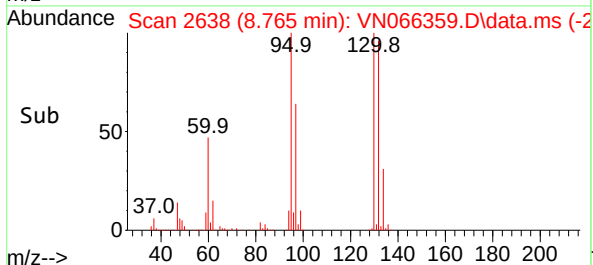
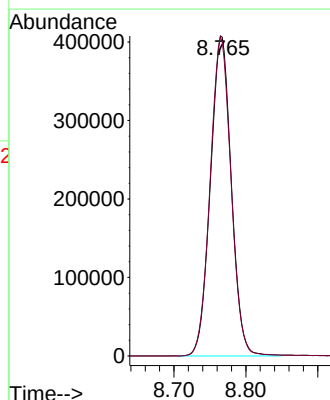
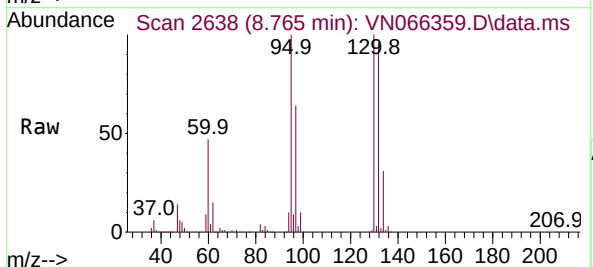
RT: 8.765 min Scan# 2638

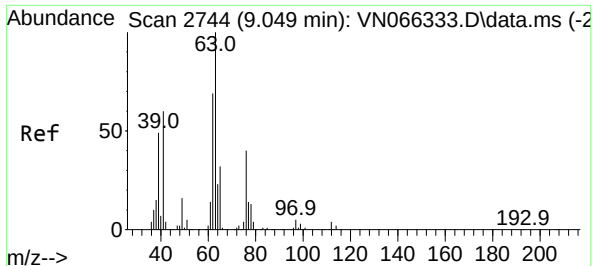
Delta R.T. -0.000 min

Lab File: VN066359.D

Acq: 26 Mar 2021 19:06

Tgt Ion: 130	Resp: 821781
Ion Ratio	Lower Upper
130 100	
95 99.7	0.0 200.6



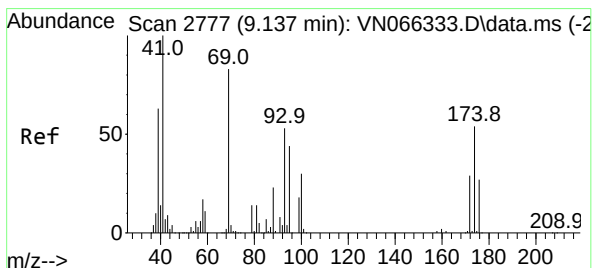
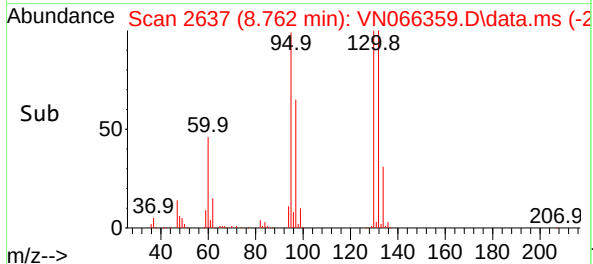
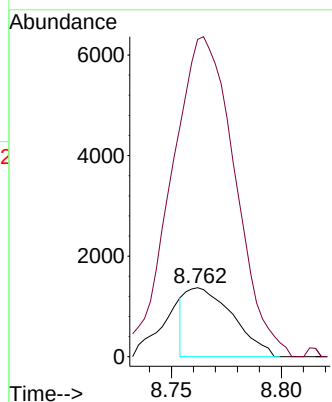
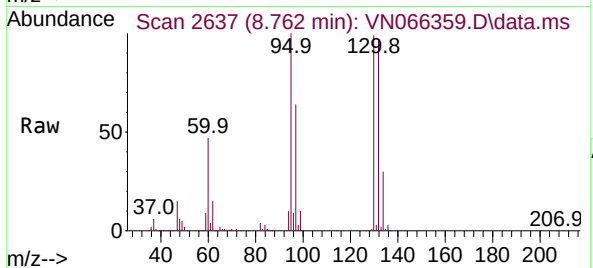


#45

1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 8.762 min Scan# 2637
Delta R.T. -0.287 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

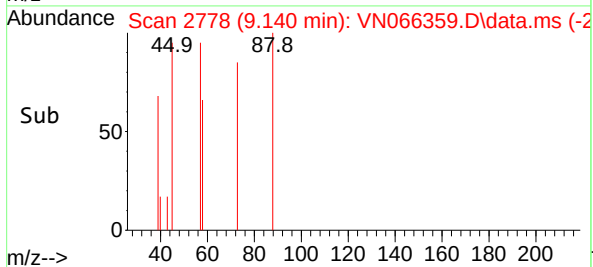
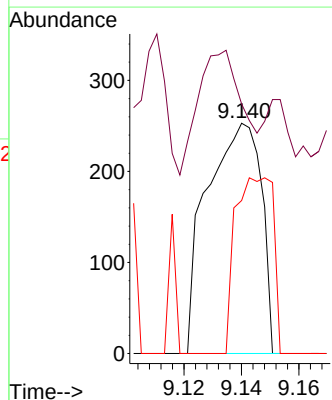
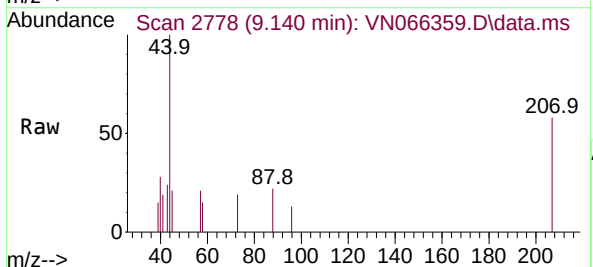
Tgt Ion: 63 Resp: 2066
Ion Ratio Lower Upper
63 100
65 440.2 25.5 38.3#

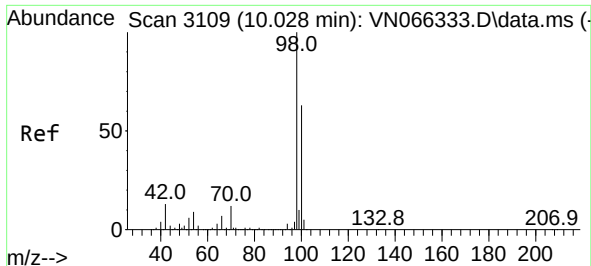


#49

1,4-Dioxane
Concen: 4.64 ug/l
RT: 9.140 min Scan# 2778
Delta R.T. 0.003 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 88 Resp: 331
Ion Ratio Lower Upper
88 100
43 44.1 28.2 42.4#
58 53.2 56.6 84.8#

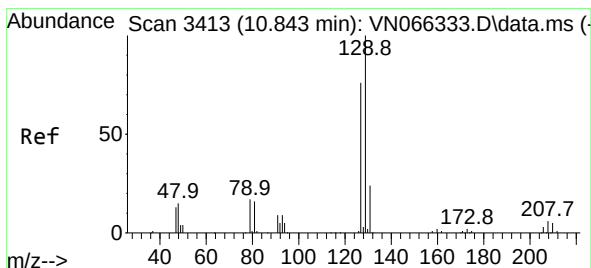
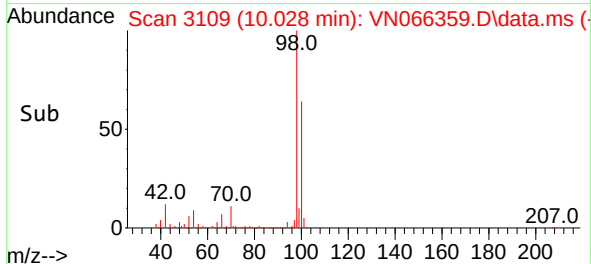
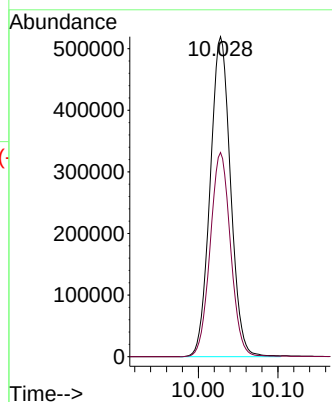
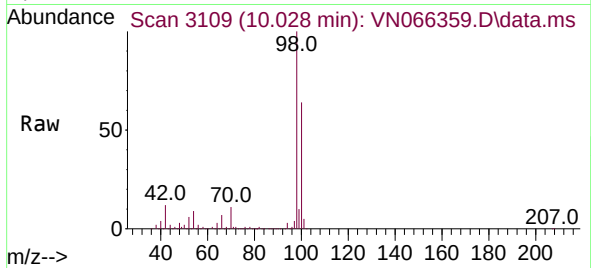




#50
Toluene-d8
Concen: 54.63 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

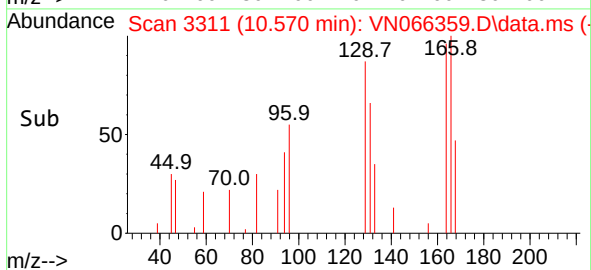
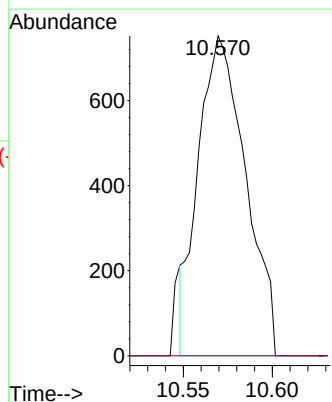
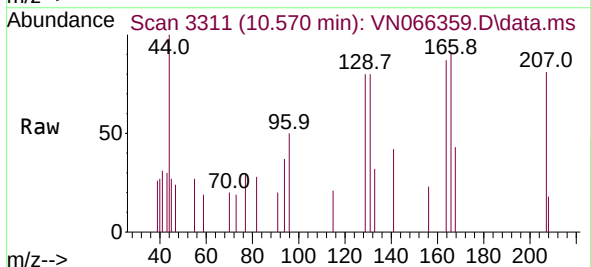
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

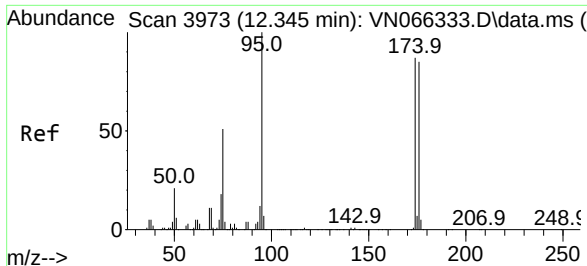
Tgt Ion: 98 Resp: 927621
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#60
Dibromochloromethane
Concen: 0.27 ug/l
RT: 10.570 min Scan# 3311
Delta R.T. -0.274 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:129 Resp: 1393
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

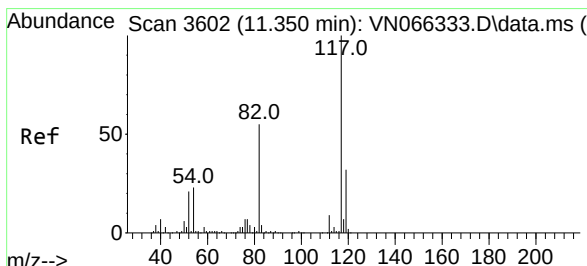
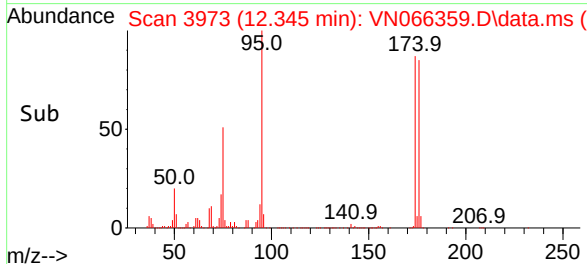
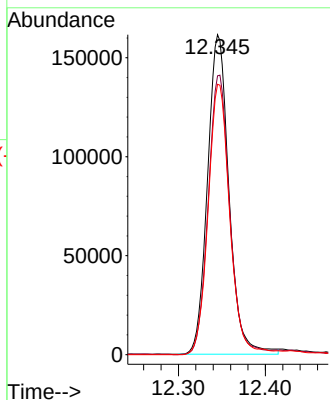
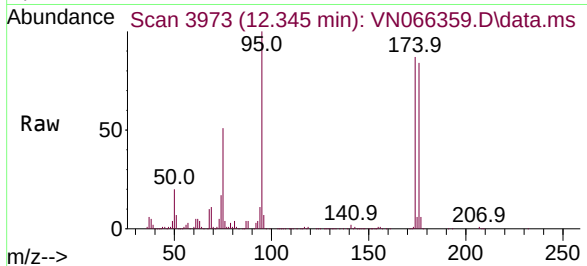




#62
4-Bromofluorobenzene
Concen: 47.00 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

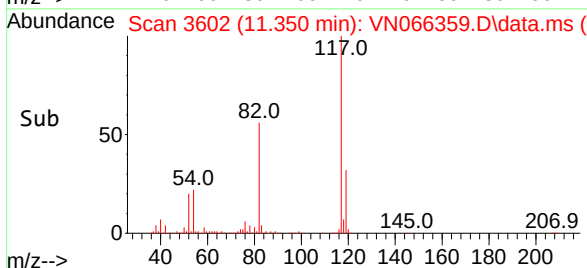
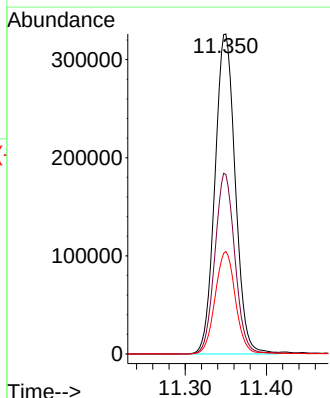
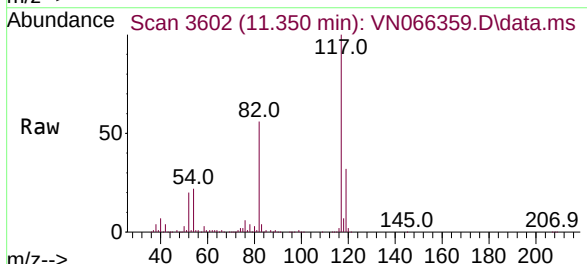
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

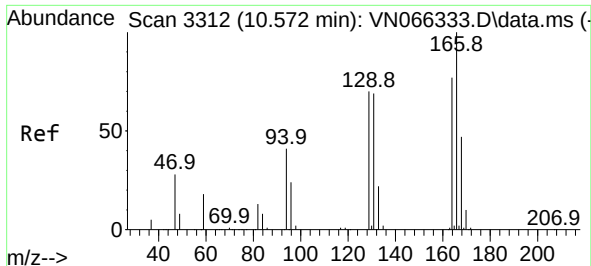
Tgt Ion:	95	Resp:	277194
Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	172.2
176	85.2	0.0	167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. -0.000 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

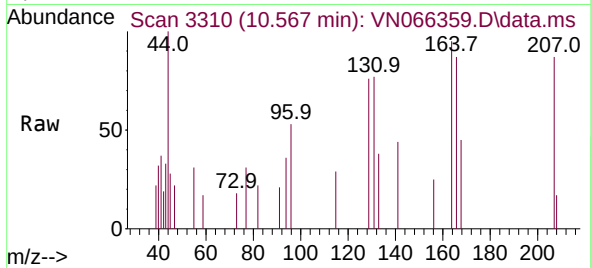
Tgt Ion:	117	Resp:	568117
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.4
119	32.0	25.8	38.6



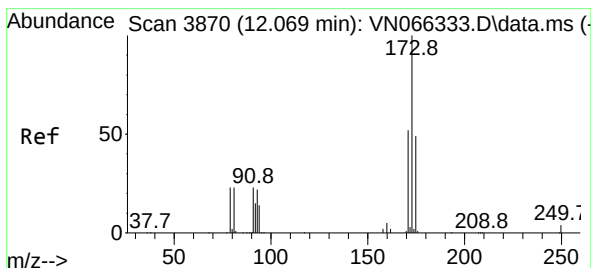
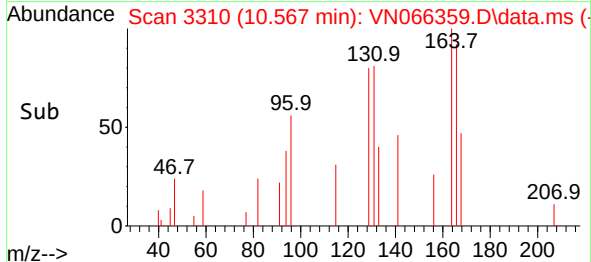
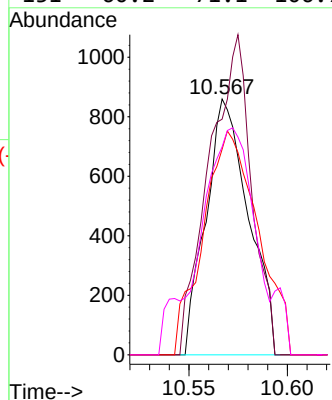


#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 10.567 min Scan# 3310
Delta R.T. -0.005 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

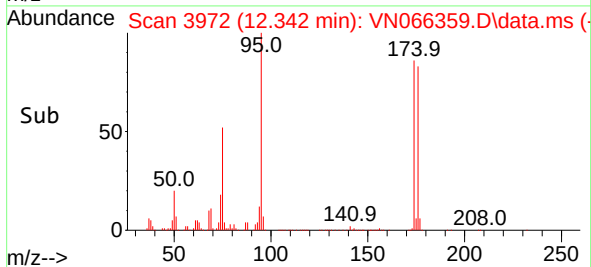
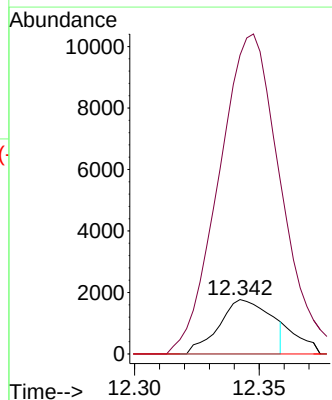
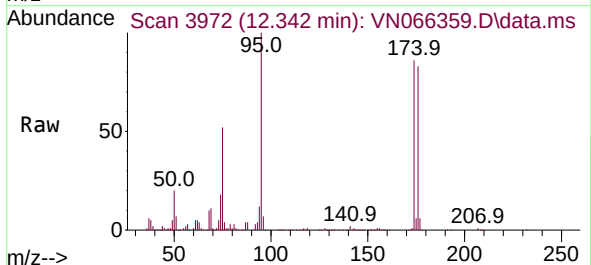


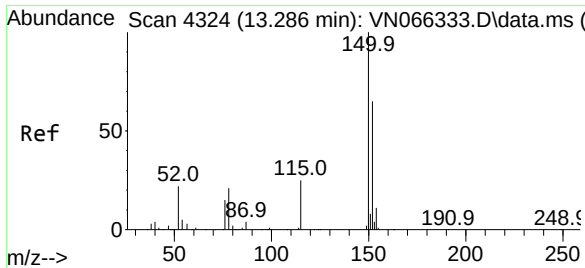
Tgt Ion:164 Resp: 1293
Ion Ratio Lower Upper
164 100
166 92.1 103.3 154.9#
129 60.5 72.5 108.7#
131 60.2 71.1 106.7#



#71
Bromoform
Concen: 0.70 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.274 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:173 Resp: 2555
Ion Ratio Lower Upper
173 100
175 612.4 24.3 72.8#
254 0.0 0.0 0.0

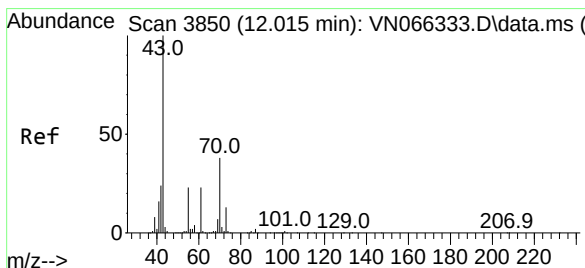
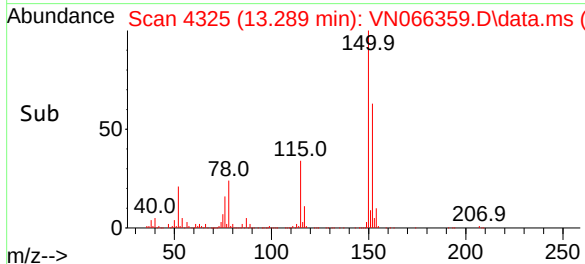
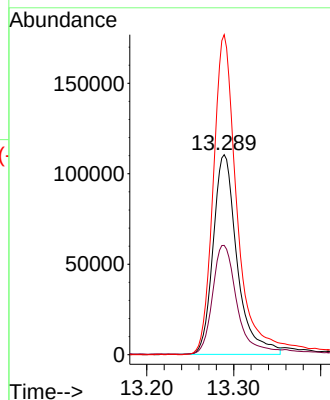
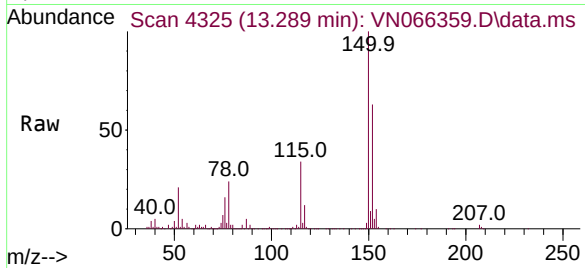




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

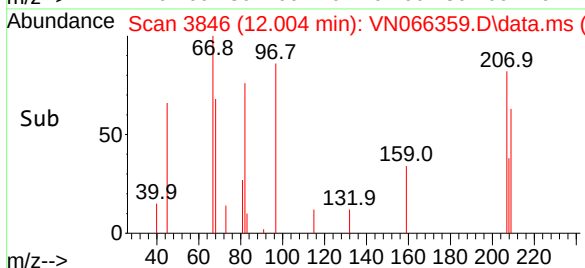
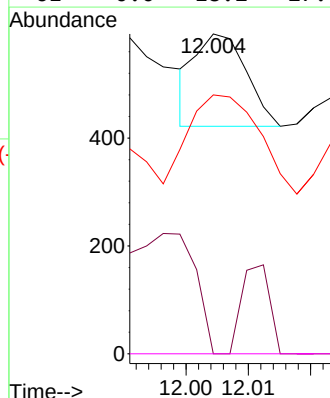
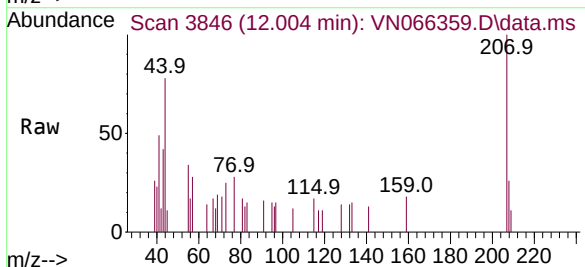
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

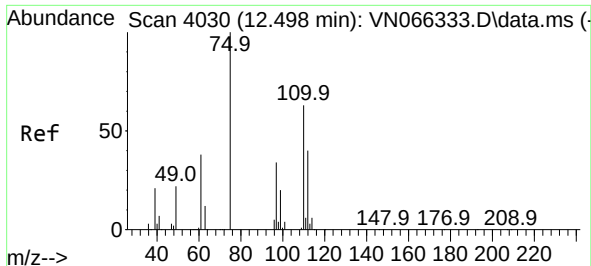
Tgt Ion:152 Resp: 212199
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 161.2 0.0 348.4



#74
N-ethyl acetate
Concen: 3.21 ug/l
RT: 12.004 min Scan# 3846
Delta R.T. -0.011 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
70 53.6 31.2 46.8#
55 148.5 18.6 28.0#
61 0.0 18.2 27.4#

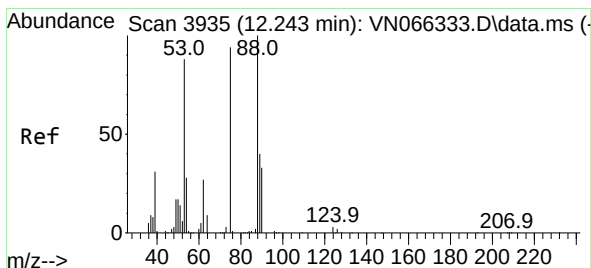
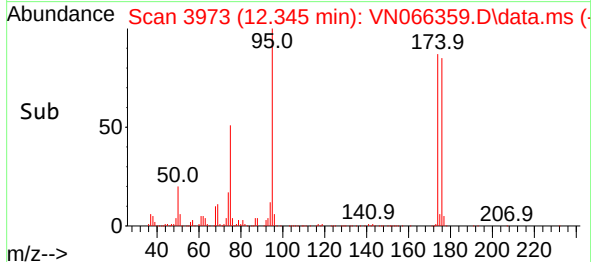
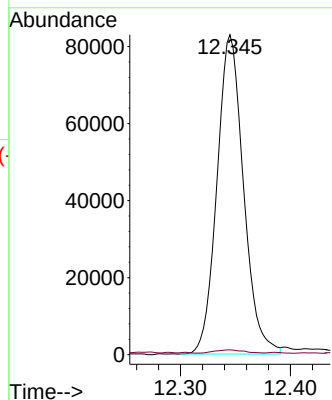
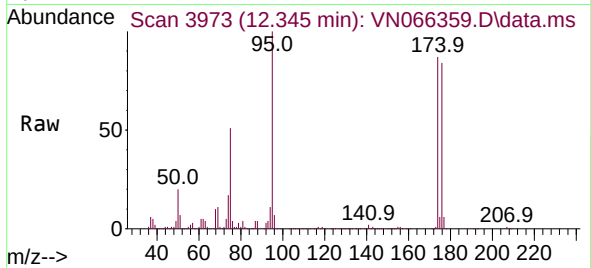




#76
1,2,3-Trichloropropane
Concen: 29.86 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

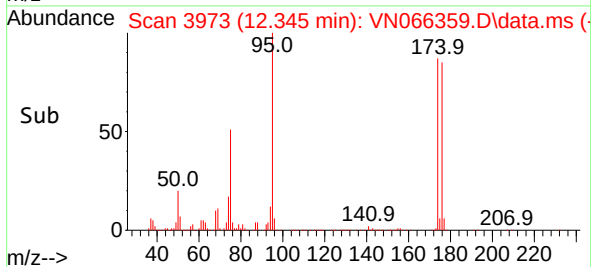
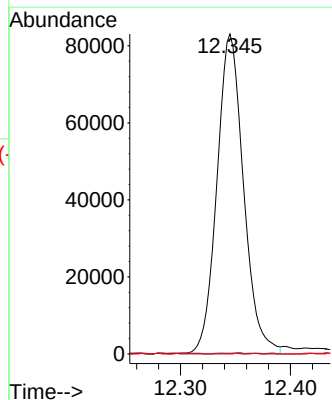
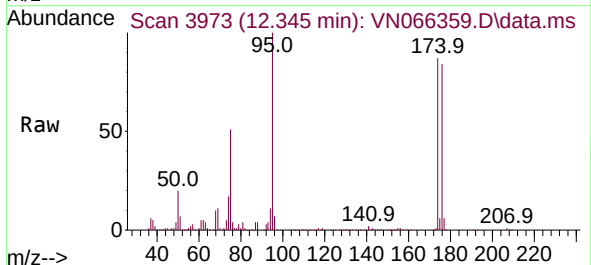
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

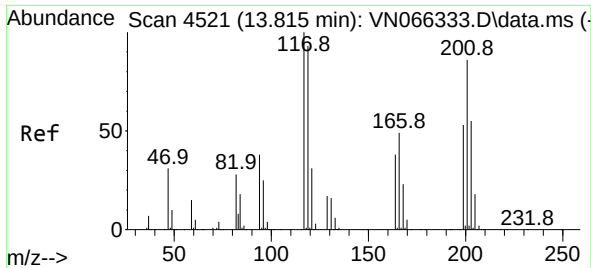
Tgt Ion: 75 Resp: 139049
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.81 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion: 75 Resp: 139049
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 35.7 53.5#

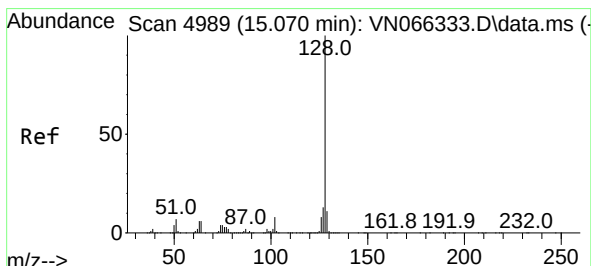
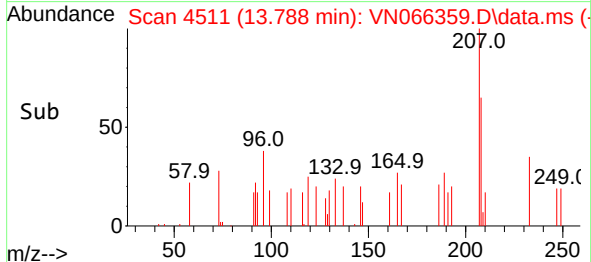
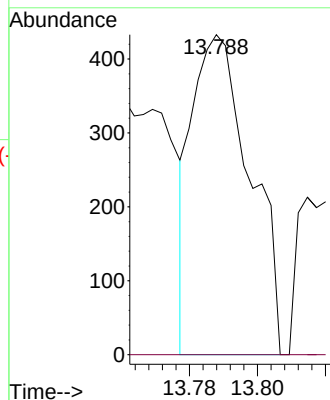
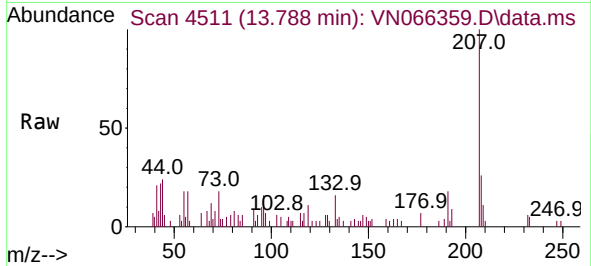




#90
Hexachloroethane
Concen: 0.22 ug/l
RT: 13.788 min Scan# 4511
Delta R.T. -0.027 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20210322

Tgt Ion:117 Resp: 513
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#



#95
Naphthalene
Concen: 1.29 ug/l
RT: 15.083 min Scan# 4994
Delta R.T. 0.013 min
Lab File: VN066359.D
Acq: 26 Mar 2021 19:06

Tgt Ion:128 Resp: 3018
Ion Ratio Lower Upper
128 100
127 22.3 10.5 15.7#
129 13.9 8.5 12.7#

