

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066403.D
 Acq On : 30 Mar 2021 2:21
 Operator : JC/MD
 Sample : PB135367ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#10

Quant Time: Mar 30 07:08:34 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)

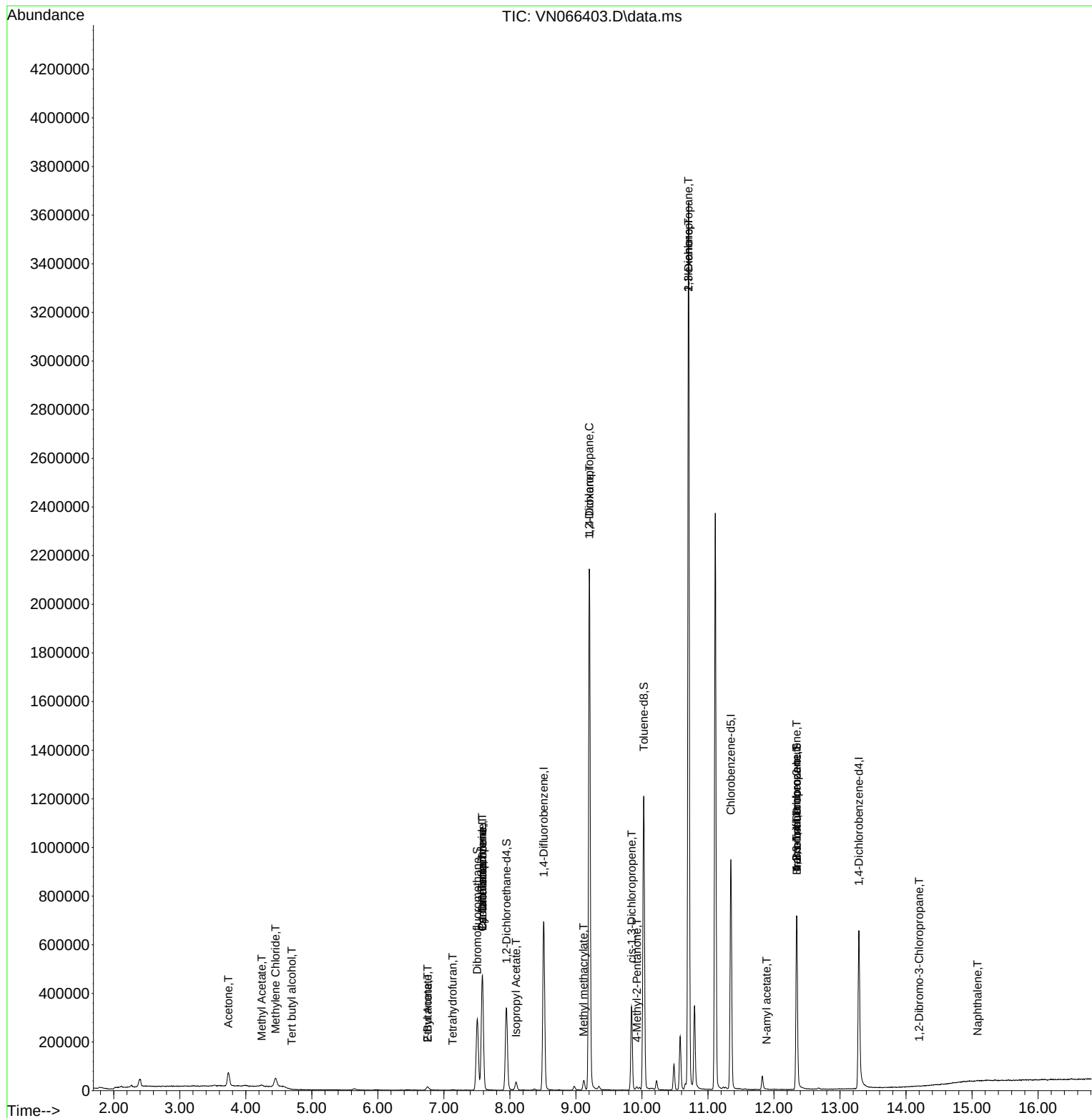
Internal Standards						
1) Pentafluorobenzene	7.584	168	394000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	605398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	531530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	205713	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	281561	53.76	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.52%			
35) Dibromofluoromethane	7.507	113	222656	55.48	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.96%			
50) Toluene-d8	10.028	98	818869	53.79	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.58%			
62) 4-Bromofluorobenzene	12.345	95	243167	45.99	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.98%			
Target Compounds						Qvalue
3) Chloromethane	2.017	50	2584	Below Cal		95
11) Tert butyl alcohol	4.696	59	615	0.77 ug/l		97
13) Acrolein	3.524	56	1197	Below Cal	#	1
16) Acetone	3.736	43	89080	31.48 ug/l		97
18) Methyl Acetate	4.243	43	9985	1.35 ug/l	#	82
20) Methylene Chloride	4.452	84	22971	3.36 ug/l		95
25) 2-Butanone	6.753	43	12283	3.97 ug/l		95
29) Tetrahydrofuran	7.134	42	2069	1.03 ug/l	#	57
31) Cyclohexane	7.584	56	8234	1.14 ug/l	#	1
36) 1,1-Dichloropropene	7.584	75	29142	5.12 ug/l	#	48
37) Ethyl Acetate	6.753	43	12283	1.96 ug/l	#	69
38) Carbon Tetrachloride	7.582	117	36324	6.35 ug/l	#	17
43) Isopropyl Acetate	8.094	43	39220	3.67 ug/l		98
45) 1,2-Dichloropropane	9.202	63	2654	0.58 ug/l	#	43
48) Methyl methacrylate	9.116	41	10204	2.00 ug/l	#	12
49) 1,4-Dioxane	9.207	88	110	1.72 ug/l	#	1
51) 4-Methyl-2-Pentanone	9.923	43	10330	1.65 ug/l		92
54) cis-1,3-Dichloropropene	9.845	75	61279	8.48 ug/l	#	59
57) 1,3-Dichloropropane	10.706	76	35339	5.02 ug/l	#	43
59) 2-Hexanone	10.706	43	520438	118.80 ug/l	#	52
71) Bromoform	12.348	173	2458	0.72 ug/l	#	1
74) N-amyl acetate	11.886	43	709	3.30 ug/l	#	55
76) 1,2,3-Trichloropropane	12.345	75	125177	27.73 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.345	75	125177	83.40 ug/l	#	12
92) 1,2-Dibromo-3-Chloropr...	14.201	75	351	0.38 ug/l	#	1
95) Naphthalene	15.083	128	976	1.13 ug/l	#	73

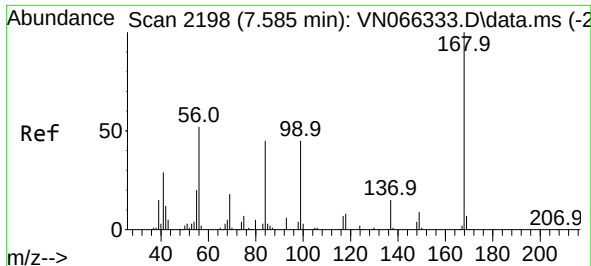
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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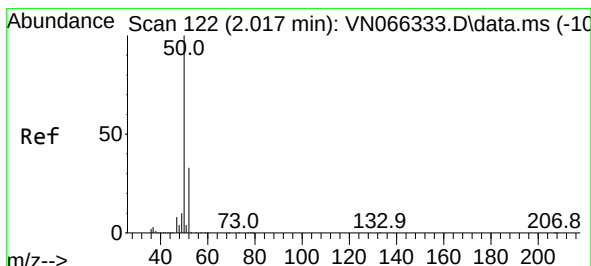
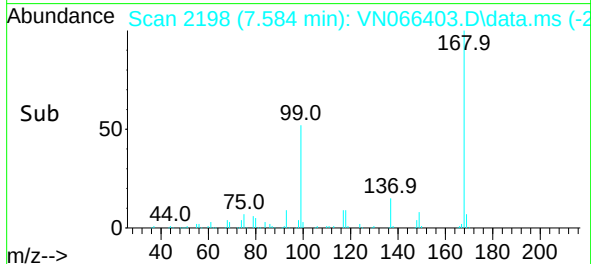
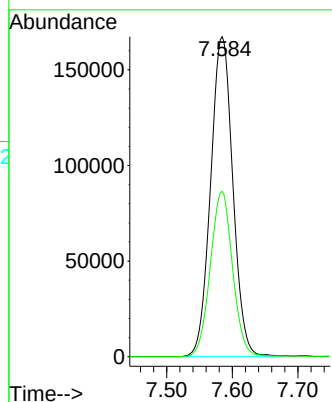
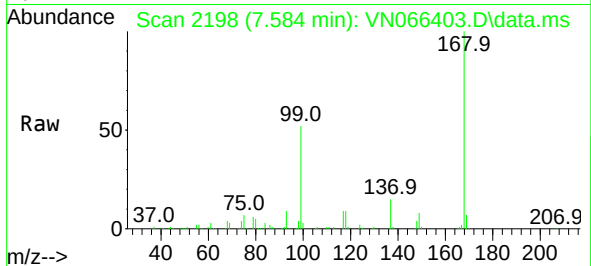




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

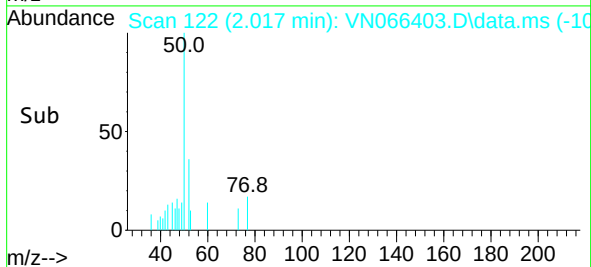
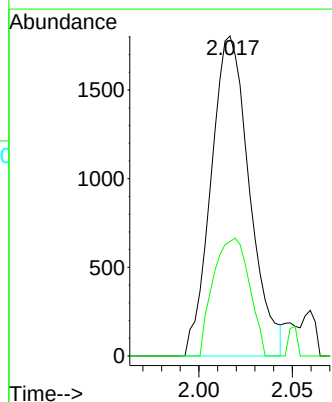
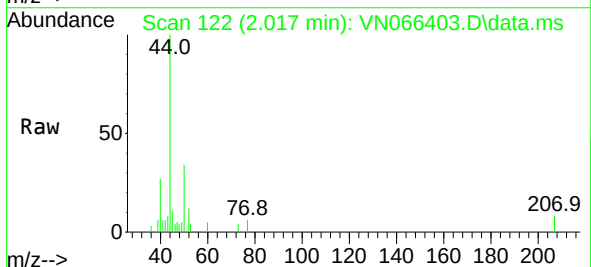
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

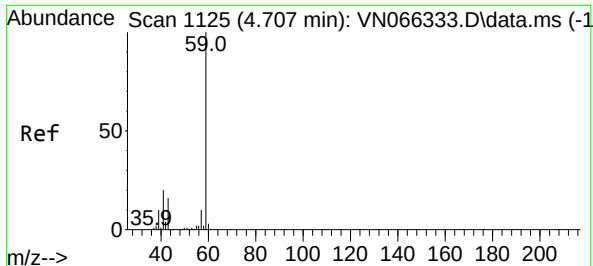
Tgt Ion:168 Resp: 394000
Ion Ratio Lower Upper
168 100
99 51.6 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 50 Resp: 2584
Ion Ratio Lower Upper
50 100
52 35.7 26.2 39.2



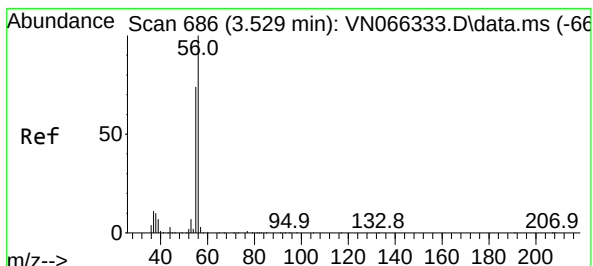
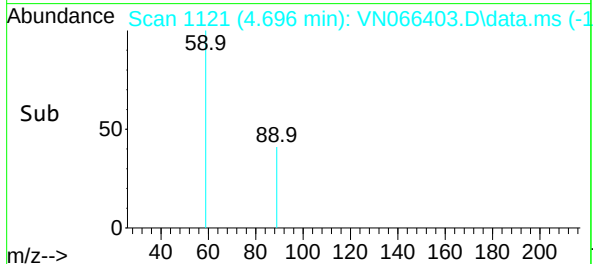
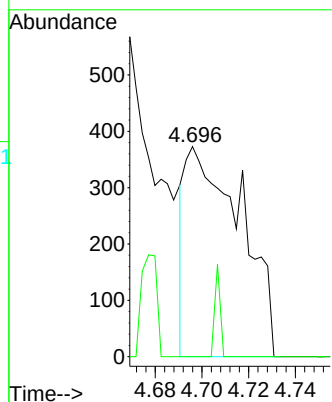
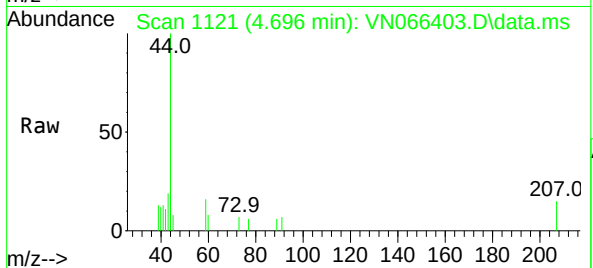


#11

Tert butyl alcohol
Concen: 0.77 ug/l
RT: 4.696 min Scan# 1121
Delta R.T. -0.011 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

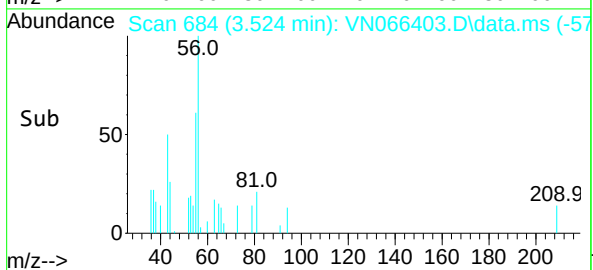
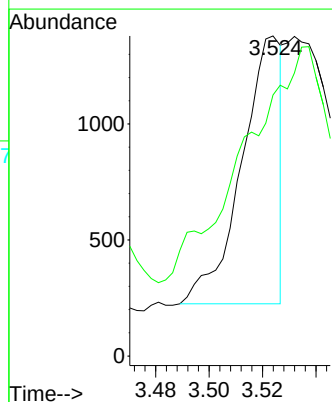
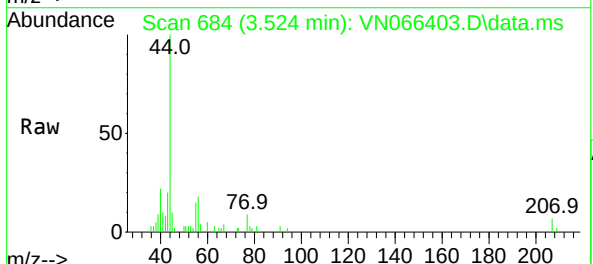
Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 4.2 4.1 6.1

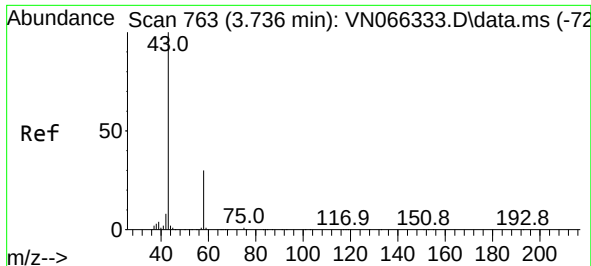


#13

Acrolein
Concen: Below Cal
RT: 3.524 min Scan# 684
Delta R.T. -0.005 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 56 Resp: 1197
Ion Ratio Lower Upper
56 100
55 184.2 57.9 86.9#

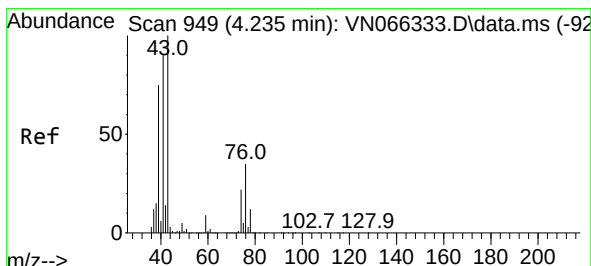
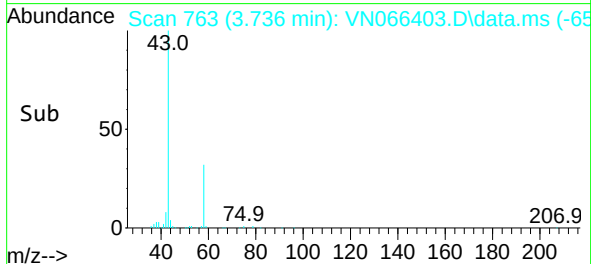
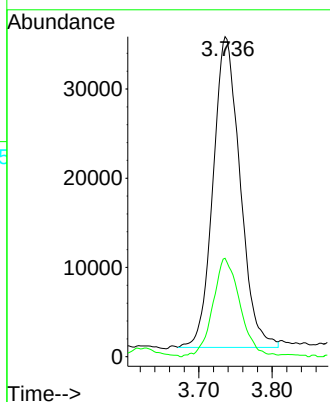
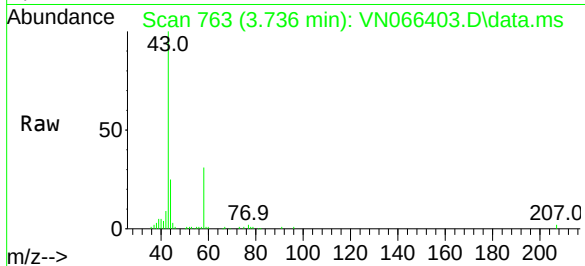




#16
Acetone
Concen: 31.48 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

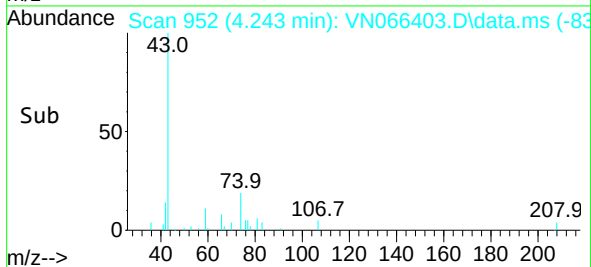
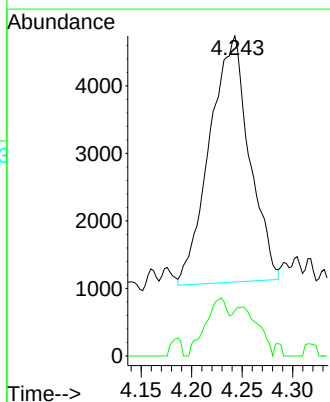
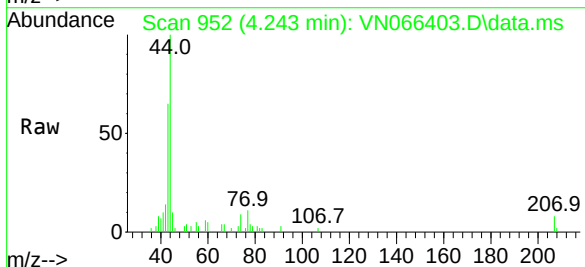
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

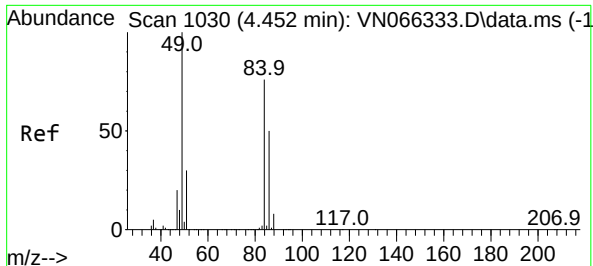
Tgt Ion: 43 Resp: 89080
Ion Ratio Lower Upper
43 100
58 31.2 23.8 35.8



#18
Methyl Acetate
Concen: 1.35 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 43 Resp: 9985
Ion Ratio Lower Upper
43 100
74 13.2 17.6 26.4#

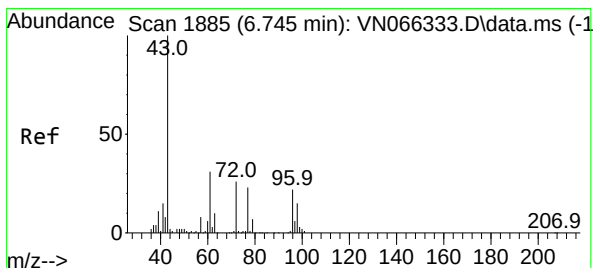
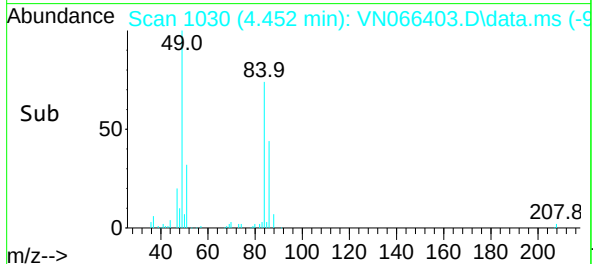
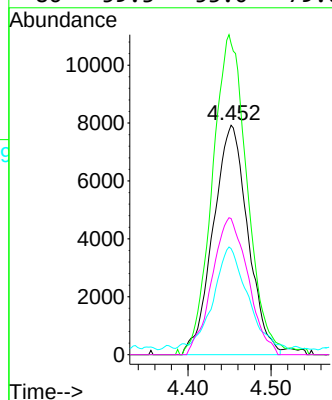
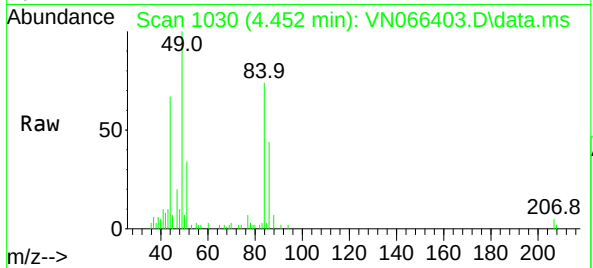




#20
Methylene Chloride
Concen: 3.36 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

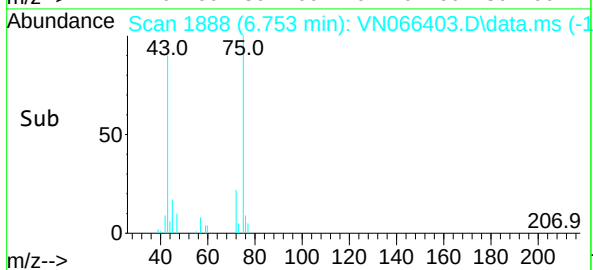
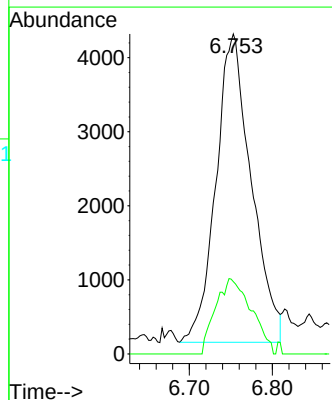
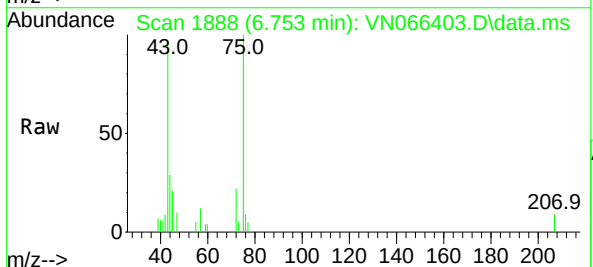
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

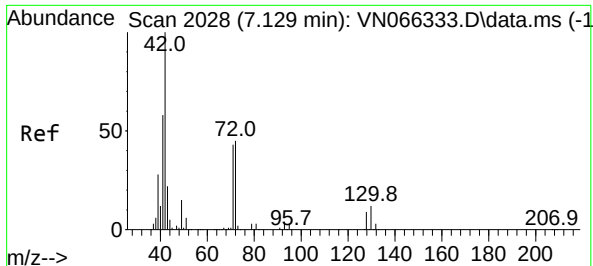
Tgt Ion:	84	Resp:	22971
Ion	Ratio	Lower	Upper
84	100		
49	135.6	105.0	157.6
51	42.1	31.6	47.4
86	59.3	53.0	79.6



#25
2-Butanone
Concen: 3.97 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.008 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion:	43	Resp:	12283
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.7	31.1

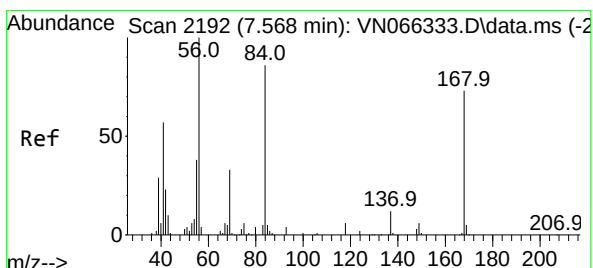
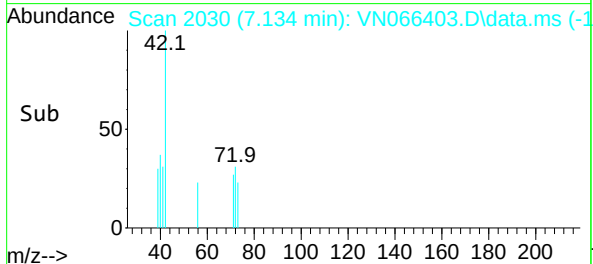
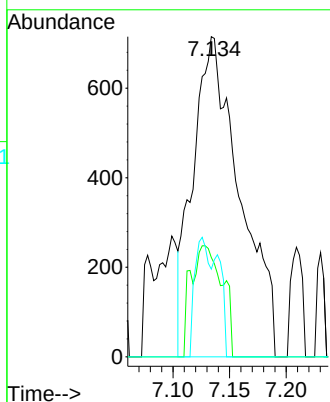
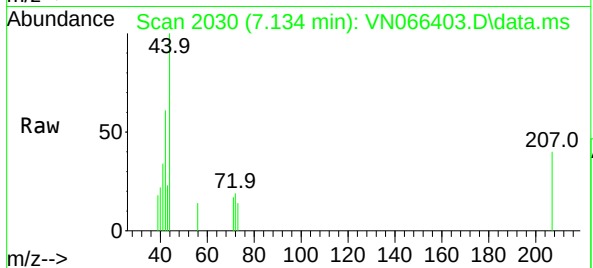




#29
Tetrahydrofuran
Concen: 1.03 ug/l
RT: 7.134 min Scan# 2030
Delta R.T. 0.005 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

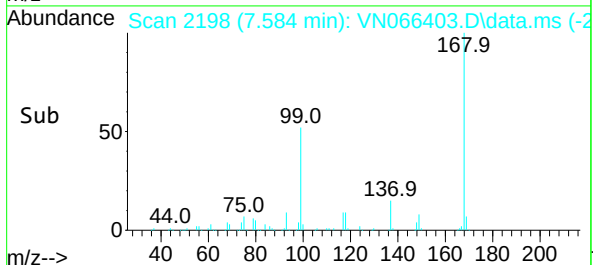
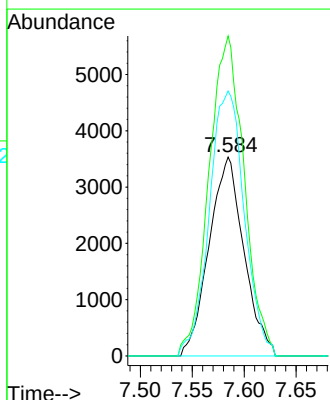
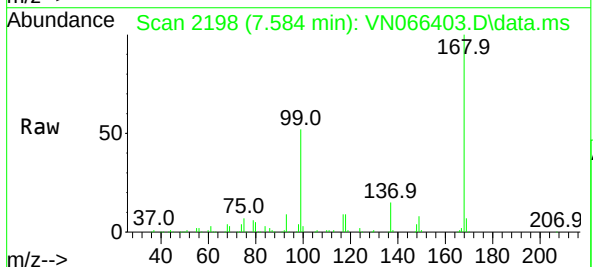
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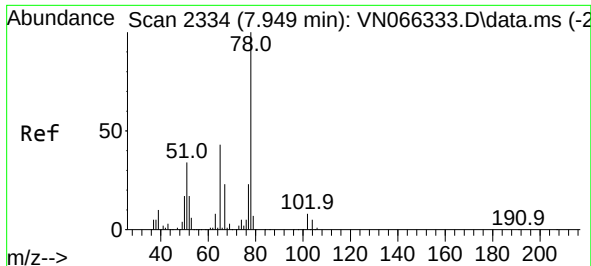
Tgt Ion:	42	Resp:	2069
Ion	Ratio	Lower	Upper
42	100		
72	18.8	35.2	52.8#
71	12.0	33.1	49.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.016 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion:	56	Resp:	8234
Ion	Ratio	Lower	Upper
56	100		
69	161.0	26.6	40.0#
84	133.2	68.7	103.1#

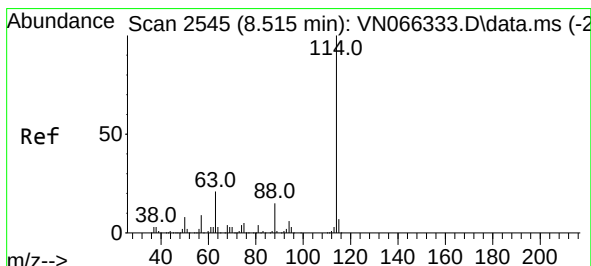
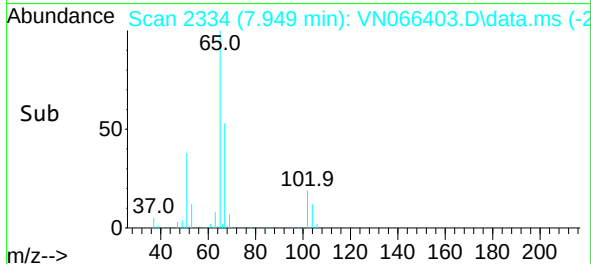
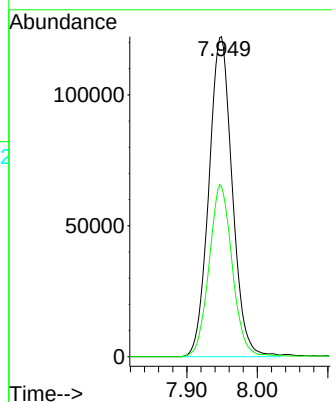
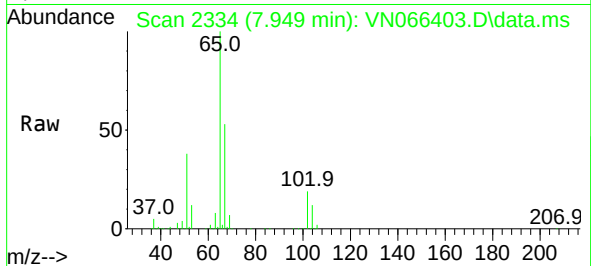




#33
 1,2-Dichloroethane-d4
 Concen: 53.76 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066403.D
 Acq: 30 Mar 2021 2:21

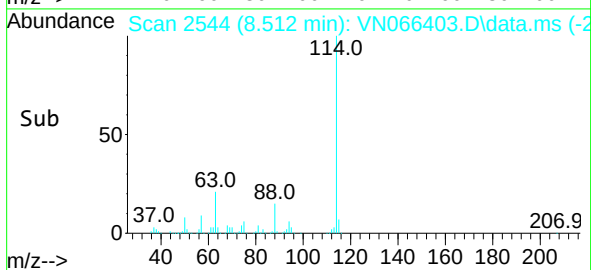
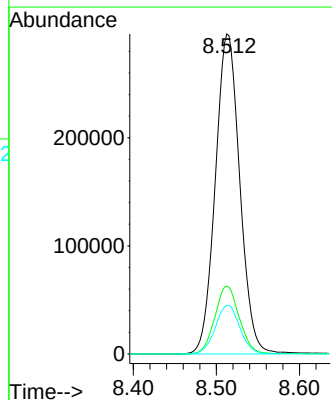
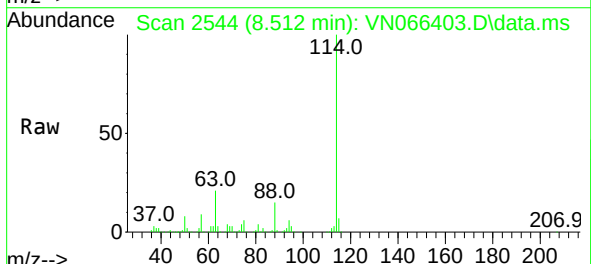
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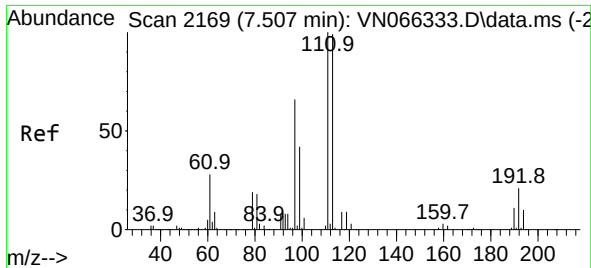
Tgt Ion: 65 Resp: 281561
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2544
 Delta R.T. -0.003 min
 Lab File: VN066403.D
 Acq: 30 Mar 2021 2:21

Tgt Ion: 114 Resp: 605398
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.0
 88 15.1 0.0 31.0

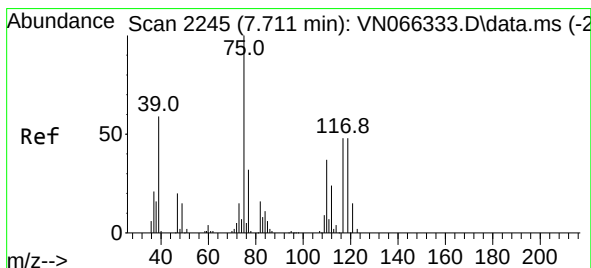
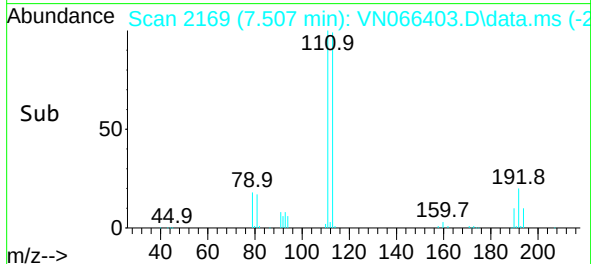
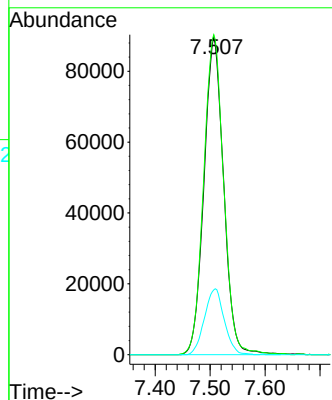
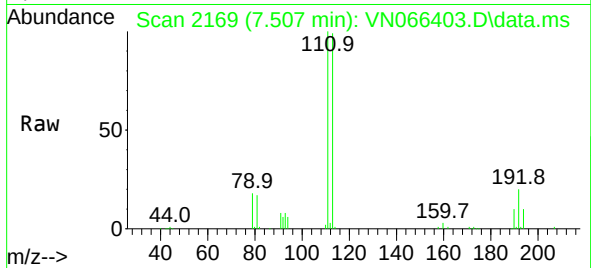




#35
Dibromofluoromethane
Concen: 55.48 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

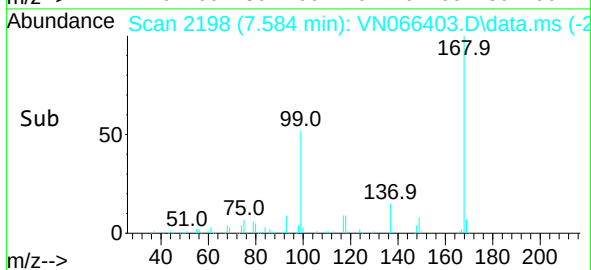
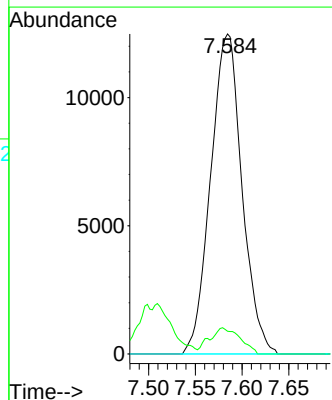
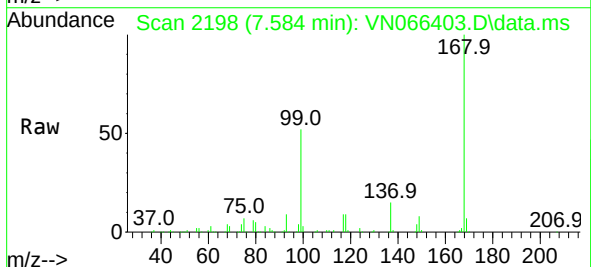
Instrument :
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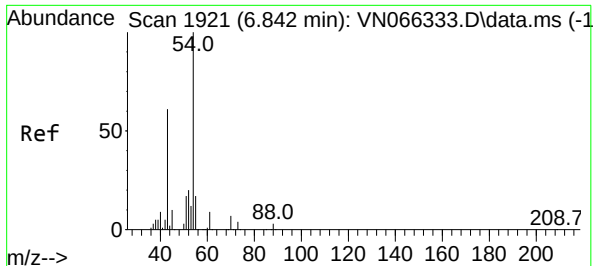
Tgt Ion:113 Resp: 222656
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 20.8 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 75 Resp: 29142
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.96 ug/l

RT: 6.753 min Scan# 1888

Delta R.T. -0.089 min

Lab File: VN066403.D

Acq: 30 Mar 2021 2:21

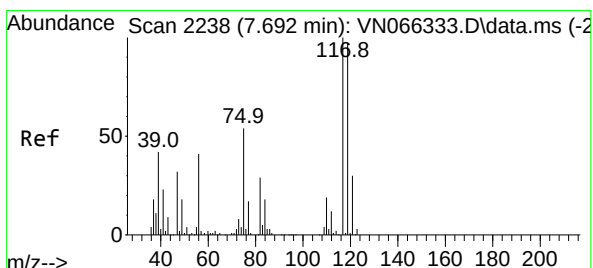
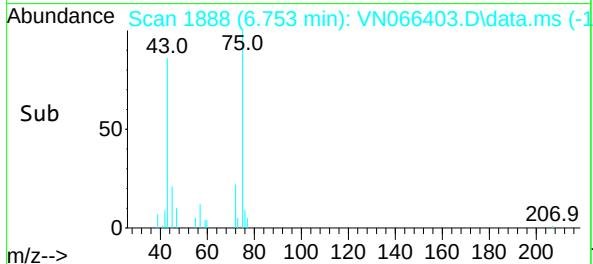
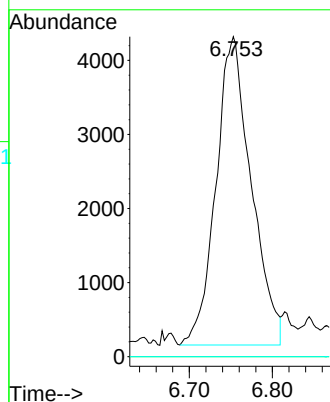
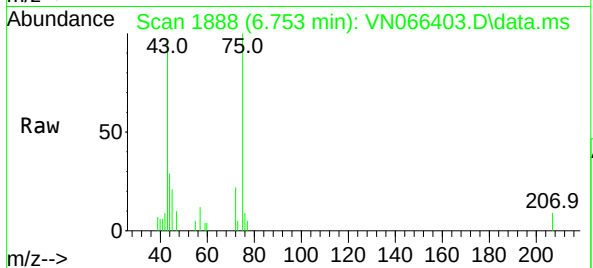
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#10

Tgt Ion:	43	Resp:	12283
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.35 ug/l

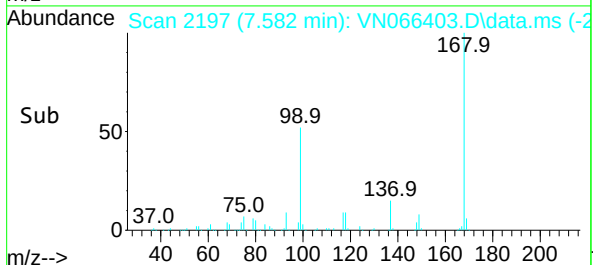
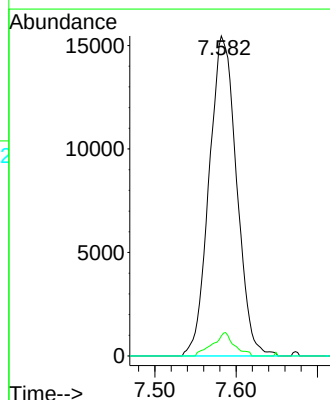
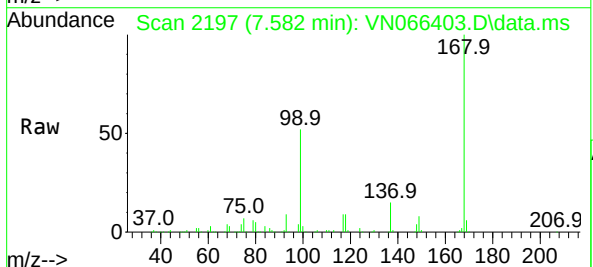
RT: 7.582 min Scan# 2197

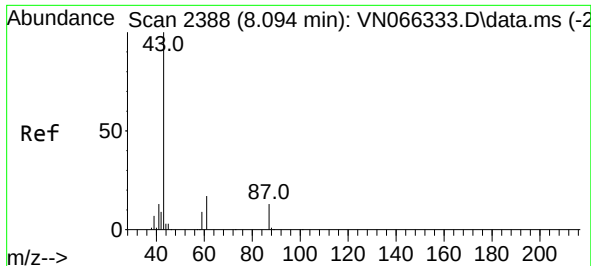
Delta R.T. -0.110 min

Lab File: VN066403.D

Acq: 30 Mar 2021 2:21

Tgt Ion:	117	Resp:	36324
Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.2	115.8#
121	0.0	24.2	36.4#

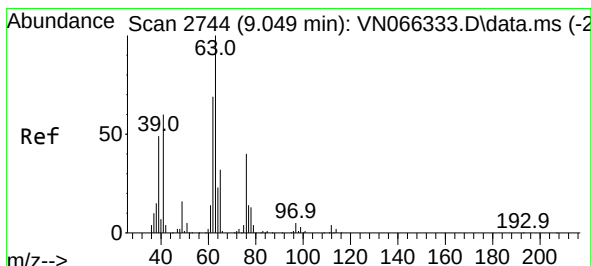
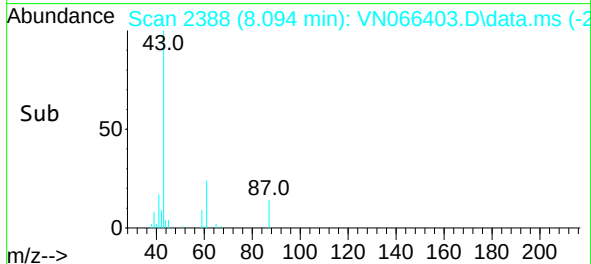
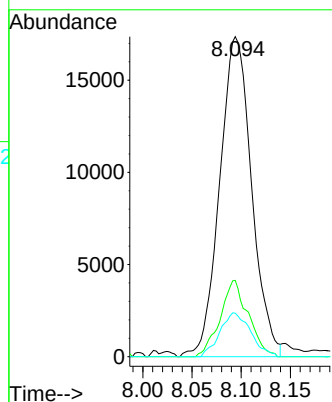
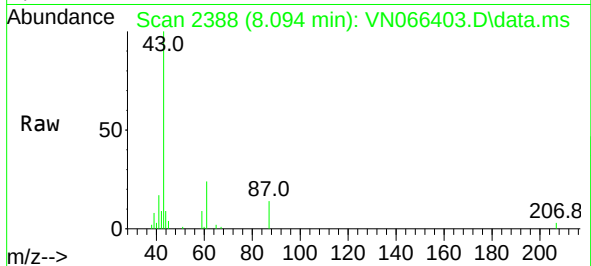




#43
Isopropyl Acetate
Concen: 3.67 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

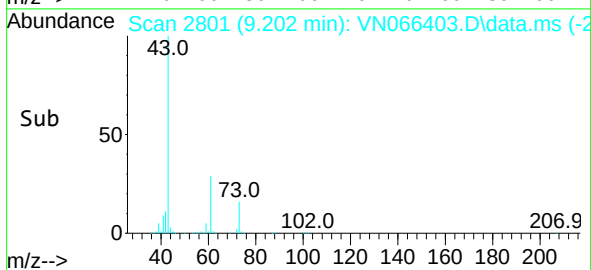
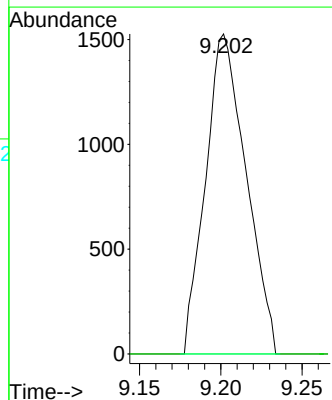
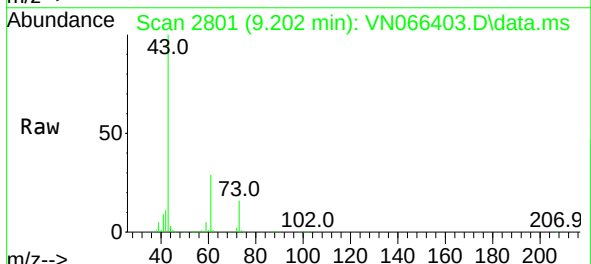
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

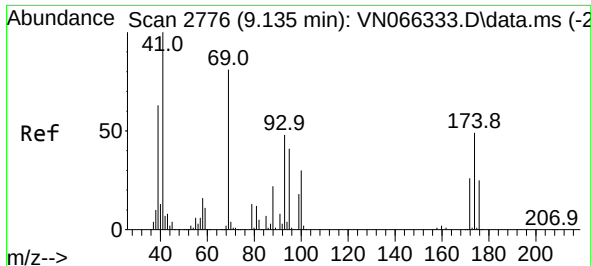
Tgt Ion:	43	Resp:	39220
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.5	23.3
87	13.2	10.5	15.7



#45
1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion:	63	Resp:	2654
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

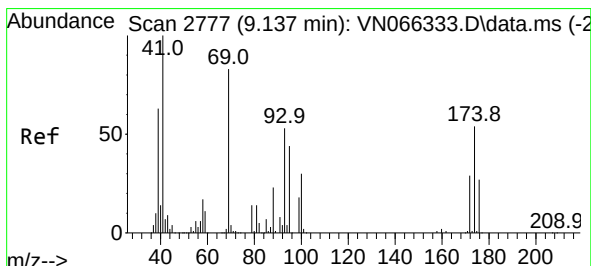
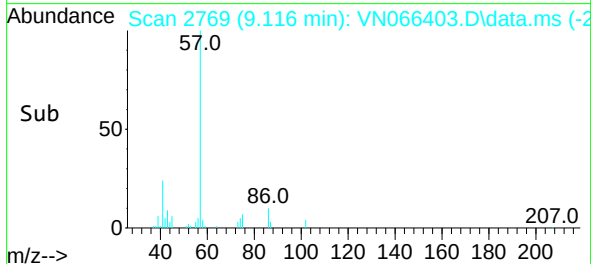
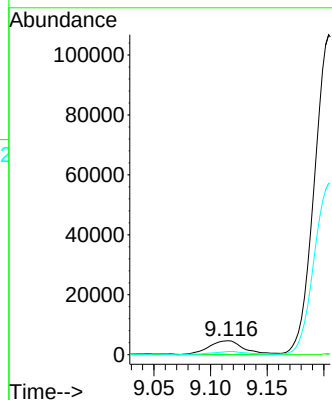
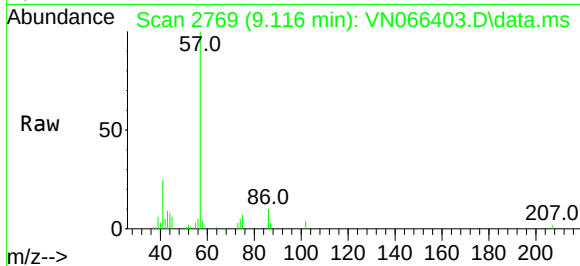




#48
Methyl methacrylate
Concen: 2.00 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

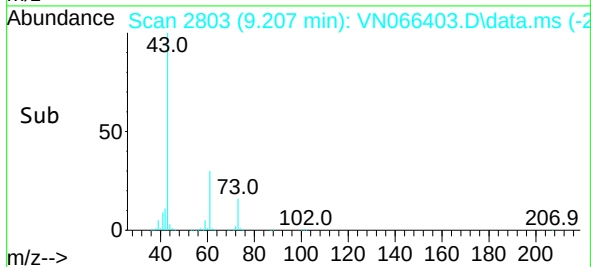
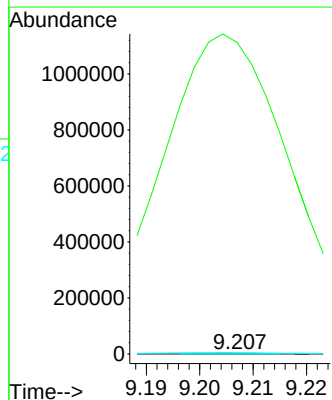
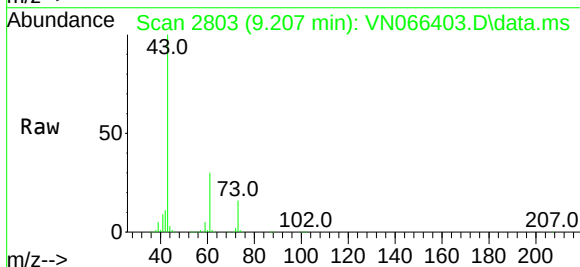
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

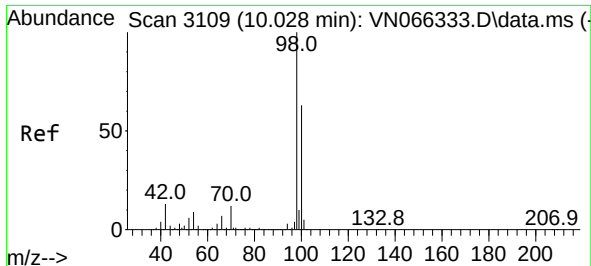
Tgt Ion: 41 Resp: 10204
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.72 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.070 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 1891943.6 28.2 42.4#
58 8330.9 56.6 84.8#

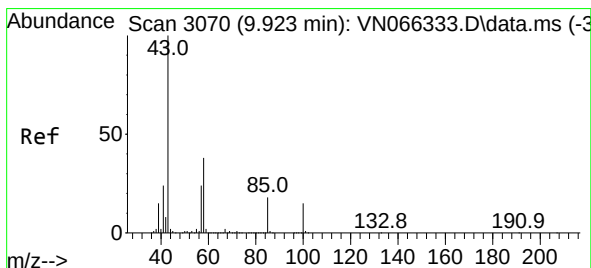
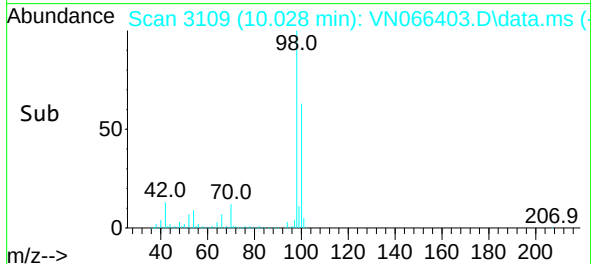
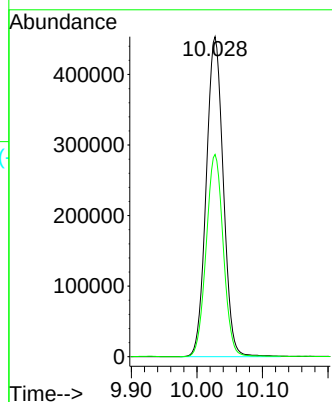
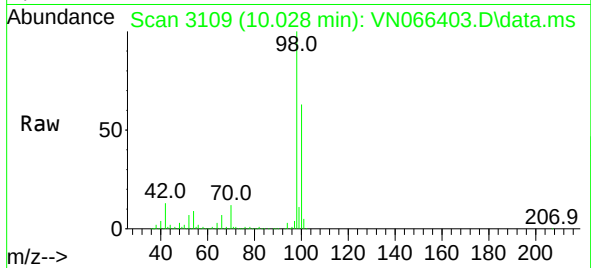




#50
Toluene-d8
Concen: 53.79 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

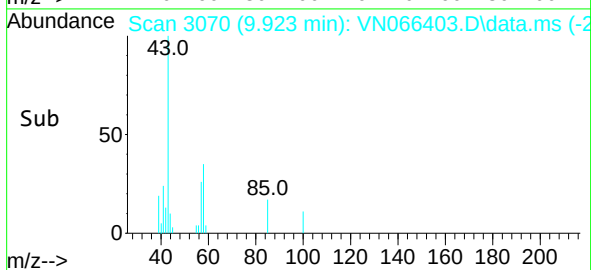
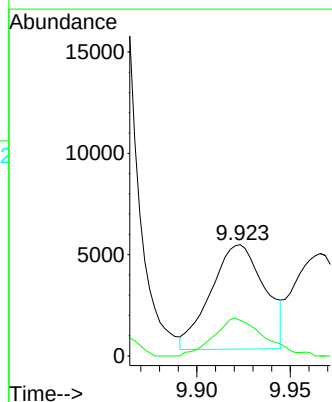
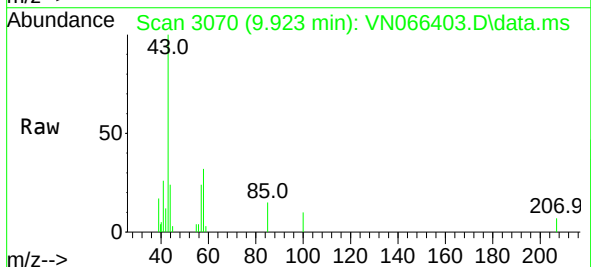
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

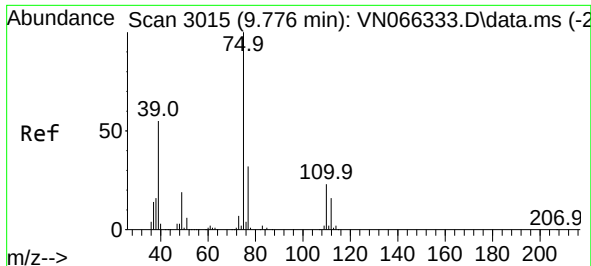
Tgt Ion: 98 Resp: 818869
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.65 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 43 Resp: 10330
Ion Ratio Lower Upper
43 100
58 33.9 30.8 46.2

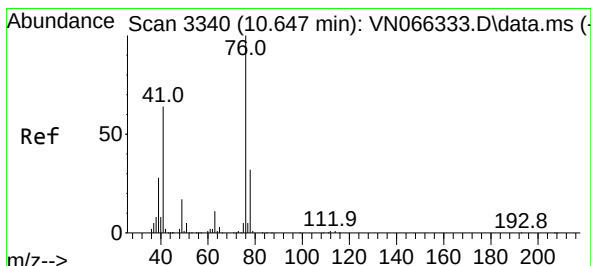
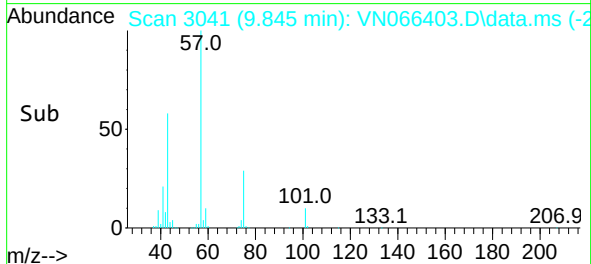
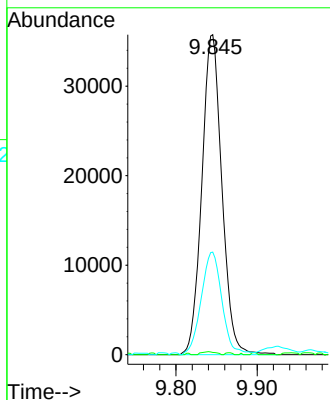
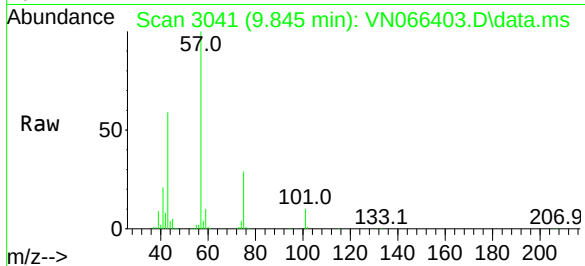




#54
cis-1,3-Dichloropropene
Concen: 8.48 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.070 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

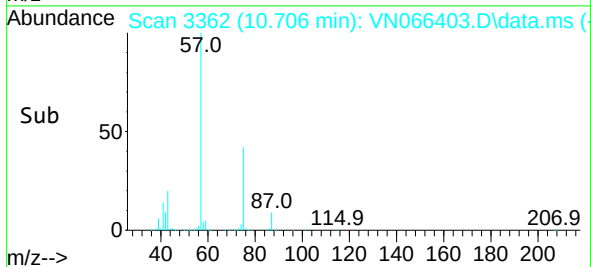
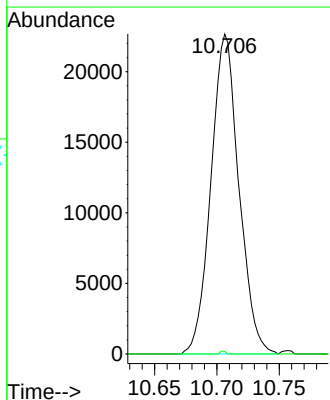
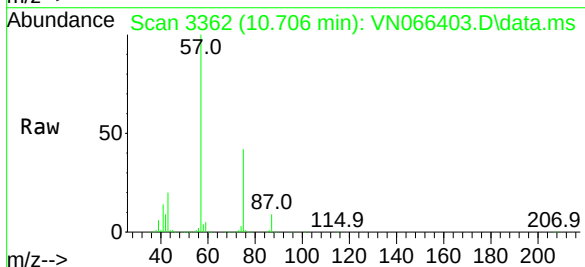
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

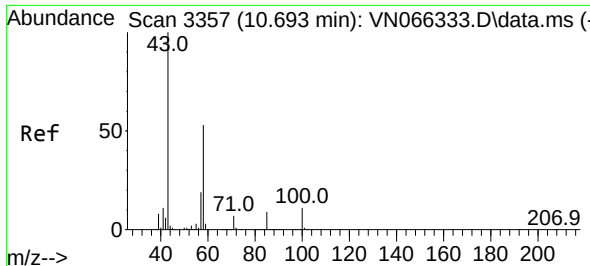
Tgt Ion: 75 Resp: 61279
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.2#
39 31.6 44.2 66.4#



#57
1,3-Dichloropropane
Concen: 5.02 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 76 Resp: 35339
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#

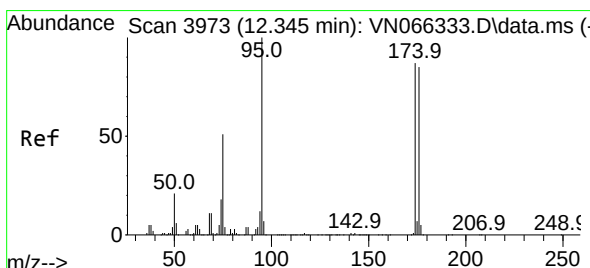
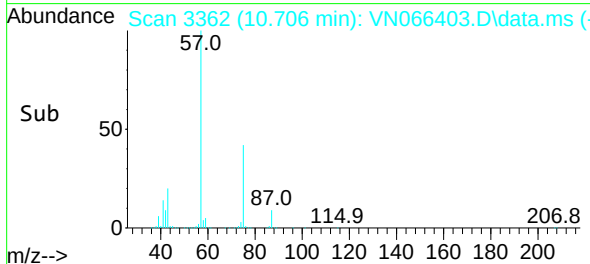
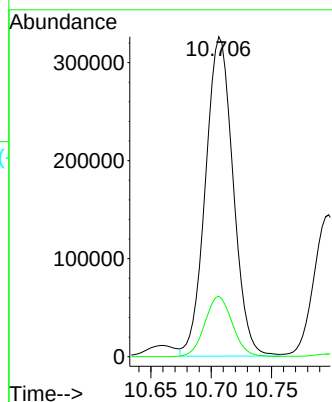
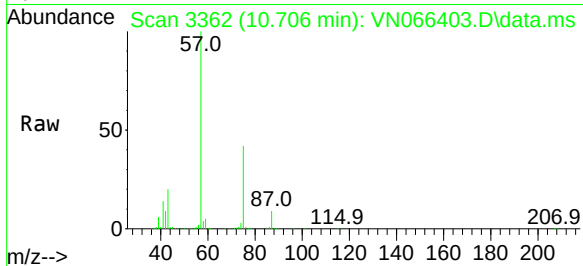




#59
2-Hexanone
Concen: 118.80 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

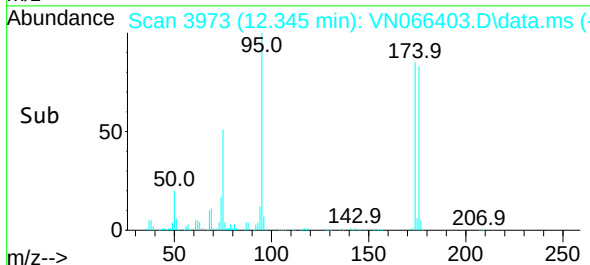
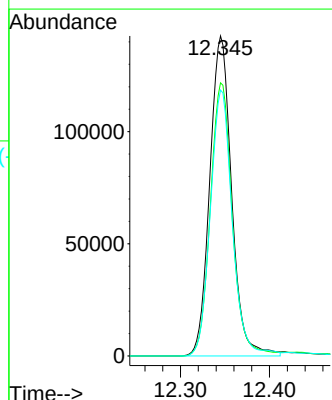
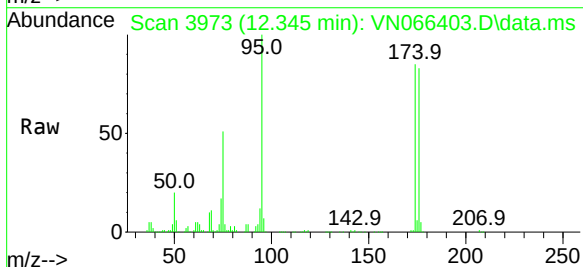
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

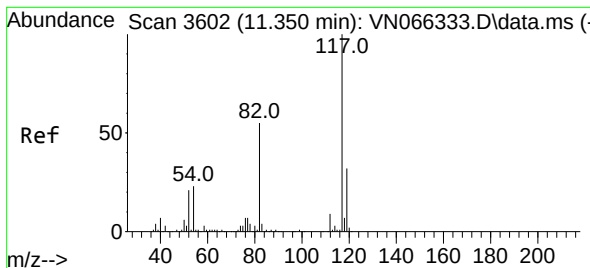
Tgt Ion: 43 Resp: 520438
Ion Ratio Lower Upper
43 100
58 18.9 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 45.99 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 95 Resp: 243167
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.2
176 83.4 0.0 167.8

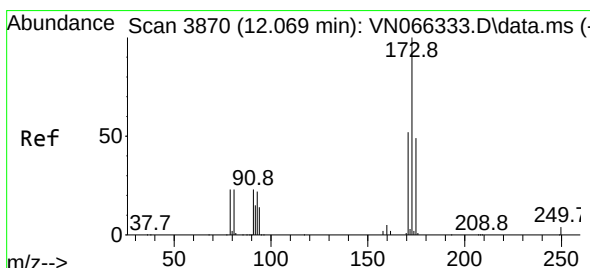
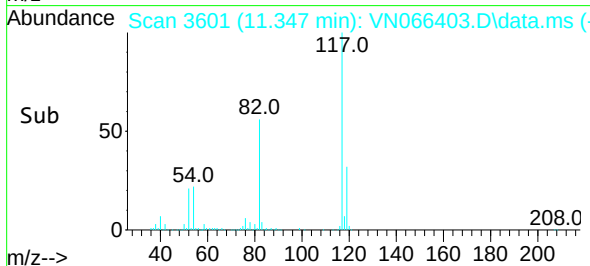
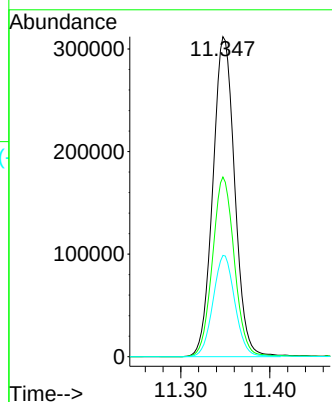
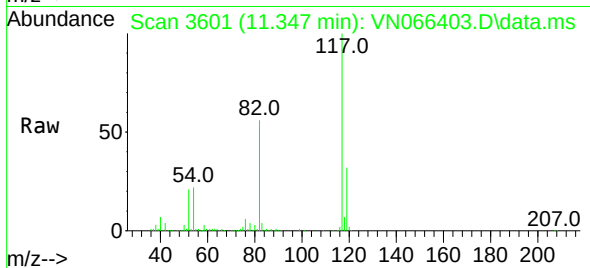




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

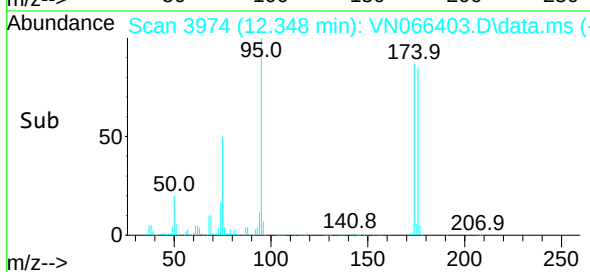
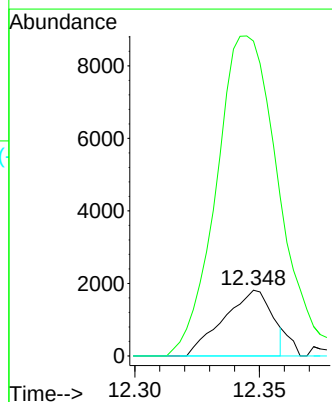
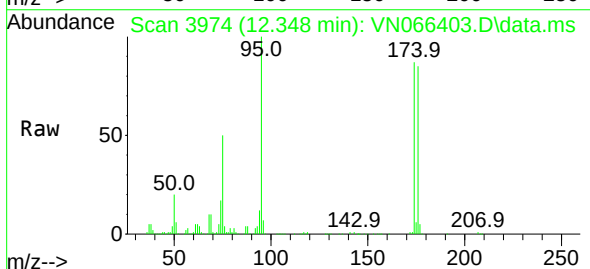
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

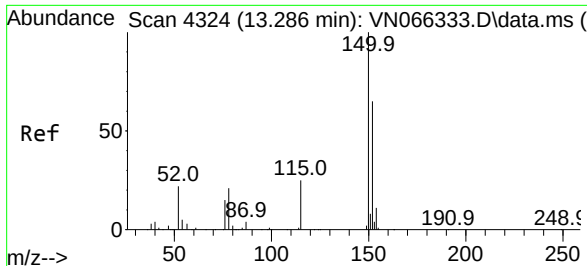
Tgt Ion:117 Resp: 531530
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.4
119 31.7 25.8 38.6



#71
Bromoform
Concen: 0.72 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.279 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion:173 Resp: 2458
Ion Ratio Lower Upper
173 100
175 552.4 24.3 72.8#
254 0.0 0.0 0.0

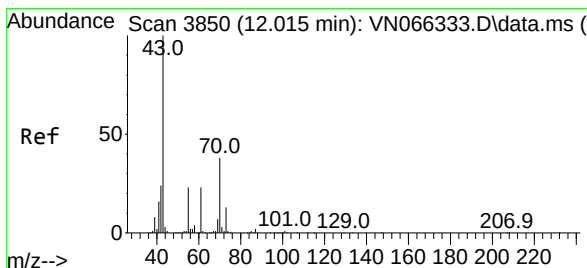
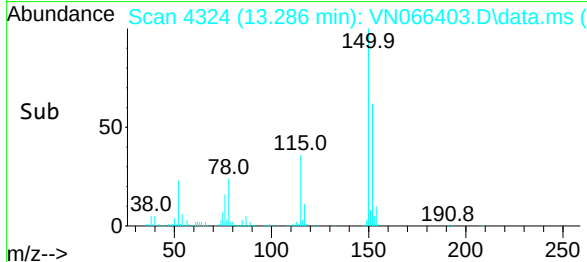
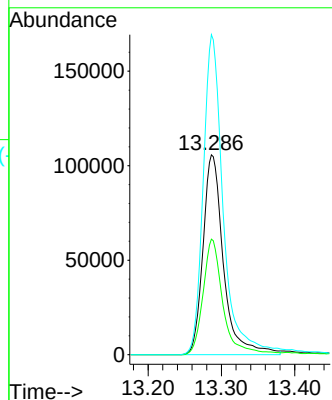
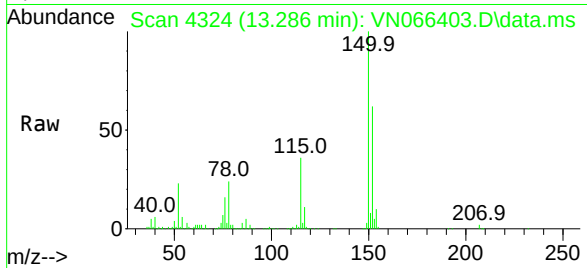




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

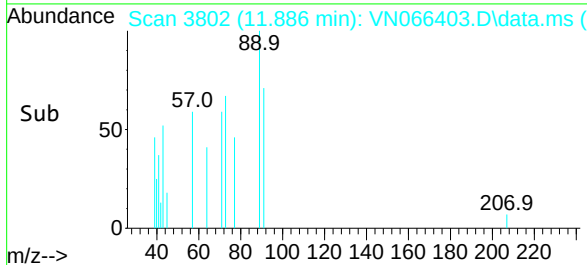
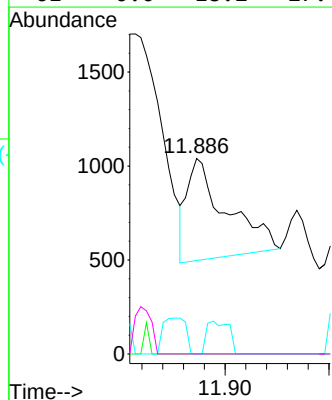
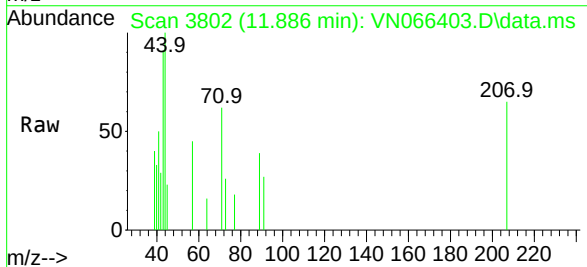
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

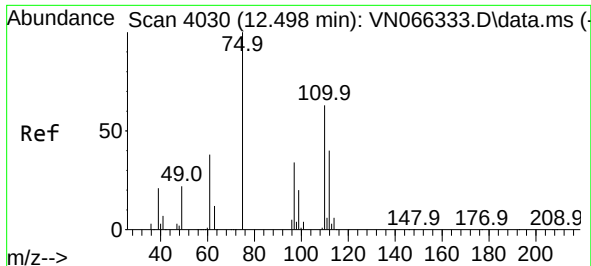
Tgt Ion:152 Resp: 205713
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 158.7 0.0 348.4



#74
N-ethyl acetate
Concen: 3.30 ug/l
RT: 11.886 min Scan# 3802
Delta R.T. -0.129 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 18.2 18.6 28.0#
61 0.0 18.2 27.4#

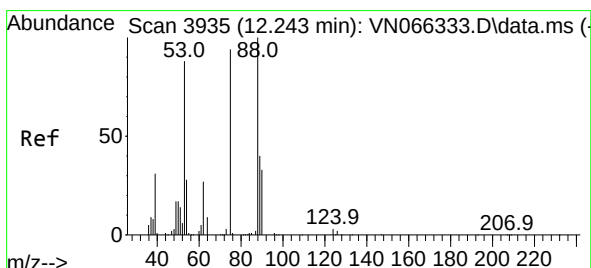
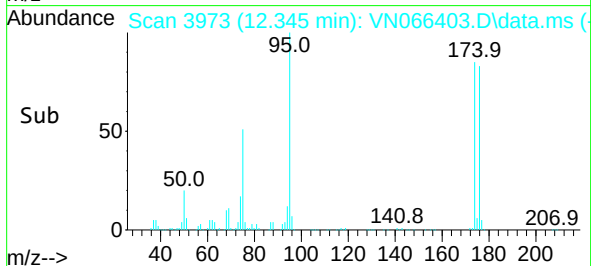
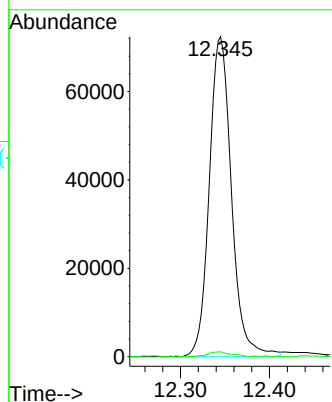
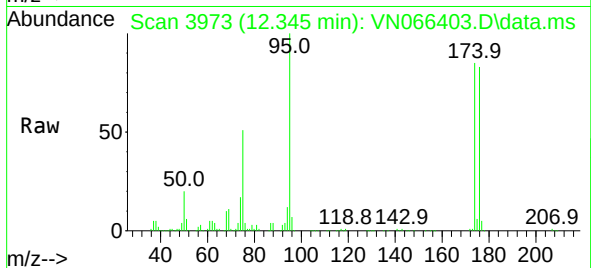




#76
1,2,3-Trichloropropane
Concen: 27.73 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

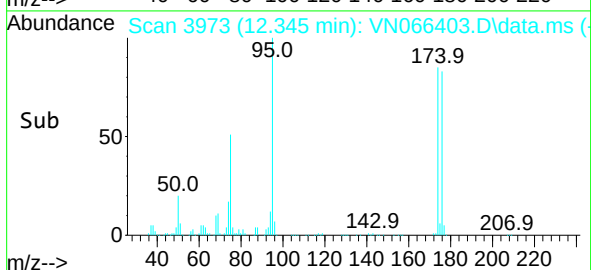
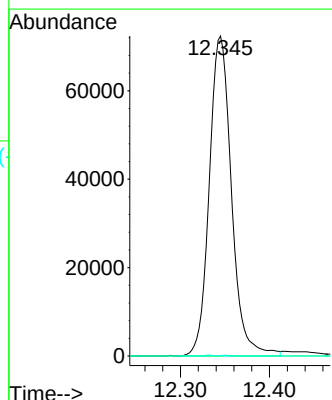
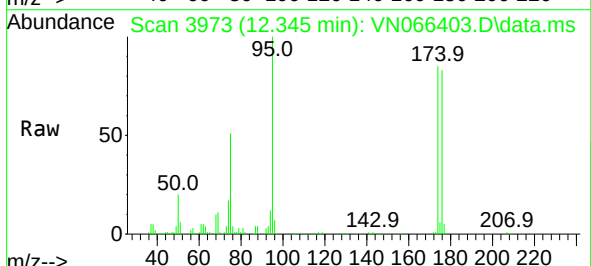
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

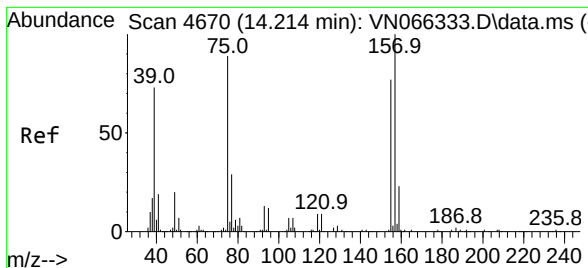
Tgt Ion: 75 Resp: 125177
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.40 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 75 Resp: 125177
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 35.7 53.5#

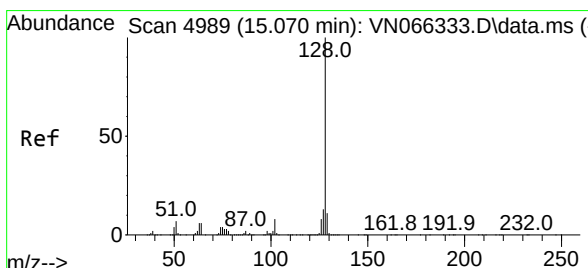
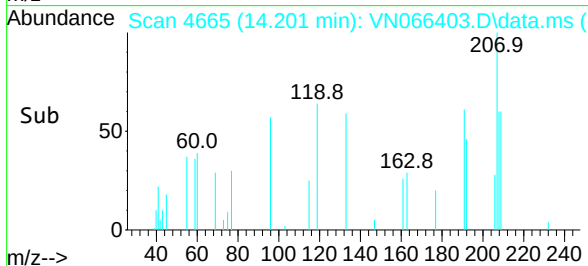
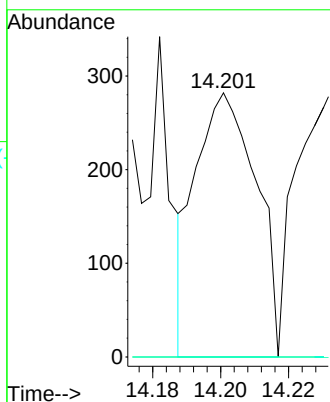
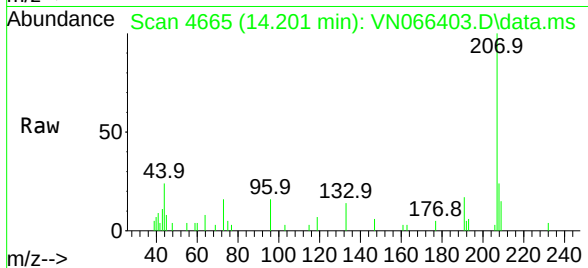




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.38 ug/l
RT: 14.201 min Scan# 4665
Delta R.T. -0.014 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#10

Tgt Ion: 75 Resp: 351
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 1.13 ug/l
RT: 15.083 min Scan# 4994
Delta R.T. 0.013 min
Lab File: VN066403.D
Acq: 30 Mar 2021 2:21

Tgt Ion: 128 Resp: 976
Ion Ratio Lower Upper
128 100
127 2.6 10.5 15.7#
129 0.0 8.5 12.7#

