

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066404.D
 Acq On : 30 Mar 2021 2:45
 Operator : JC/MD
 Sample : PB135367ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#11

Quant Time: Mar 30 07:08:51 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

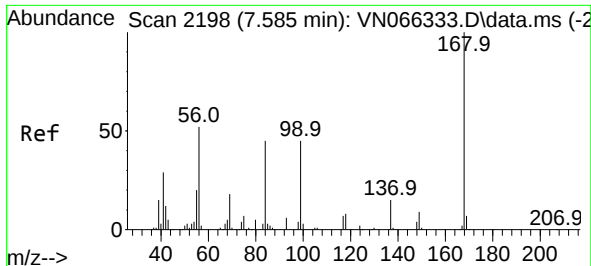
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.582	168	412143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	629776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	565342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	218884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	290375	53.00	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.00%			
35) Dibromofluoromethane	7.507	113	228360	54.70	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.40%			
50) Toluene-d8	10.028	98	859730	54.29	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.58%			
62) 4-Bromofluorobenzene	12.345	95	259567	47.19	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.38%			
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	2721	Below Cal	#	86
11) Tert butyl alcohol	4.634	59	1198	1.43 ug/l	#	86
13) Acrolein	3.537	56	2980	Below Cal	#	46
16) Acetone	3.733	43	96556	32.62 ug/l		98
18) Methyl Acetate	4.237	43	8966	1.16 ug/l		92
20) Methylene Chloride	4.446	84	27526	4.05 ug/l		98
25) 2-Butanone	6.750	43	12818	3.96 ug/l		98
29) Tetrahydrofuran	7.112	42	539	0.26 ug/l	#	66
31) Cyclohexane	7.582	56	9198	1.21 ug/l	#	3
36) 1,1-Dichloropropene	7.582	75	30266	5.12 ug/l	#	48
37) Ethyl Acetate	6.750	43	12818	1.97 ug/l	#	70
38) Carbon Tetrachloride	7.582	117	38867	6.53 ug/l	#	16
43) Isopropyl Acetate	8.091	43	39043	3.51 ug/l		98
45) 1,2-Dichloropropane	9.202	63	2534	0.53 ug/l	#	43
48) Methyl methacrylate	9.116	41	8944	1.69 ug/l	#	12
49) 1,4-Dioxane	9.145	88	49	0.74 ug/l	#	23
51) 4-Methyl-2-Pentanone	9.923	43	6929	1.07 ug/l	#	76
54) cis-1,3-Dichloropropene	9.845	75	59561	7.92 ug/l	#	60
57) 1,3-Dichloropropane	10.706	76	36196	4.95 ug/l	#	42
59) 2-Hexanone	10.706	43	517346	113.52 ug/l	#	52
71) Bromoform	12.345	173	2183	0.60 ug/l	#	1
74) N-amyl acetate	12.104	43	584	3.28 ug/l	#	45
76) 1,2,3-Trichloropropane	12.345	75	131790	27.44 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.345	75	131790	82.52 ug/l	#	12
95) Naphthalene	15.075	128	1160	1.13 ug/l	#	69

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

Quant Time: Mar 30 07:08:51 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

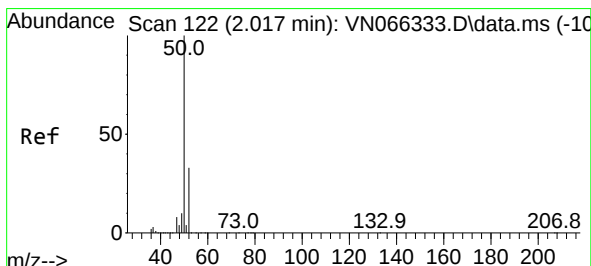
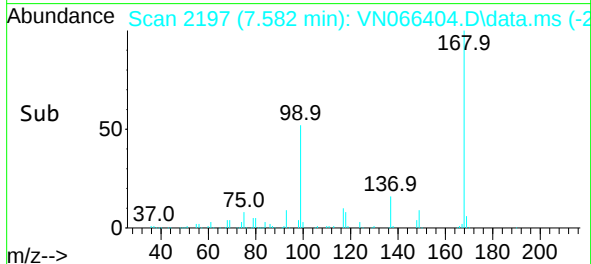
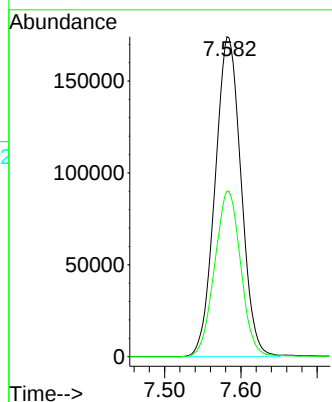
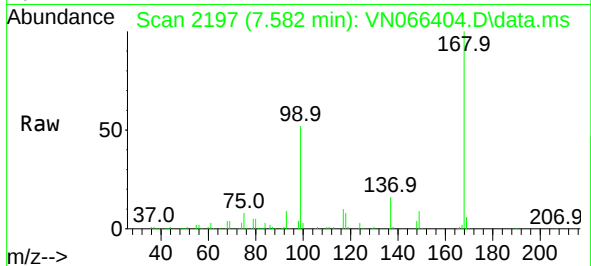




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

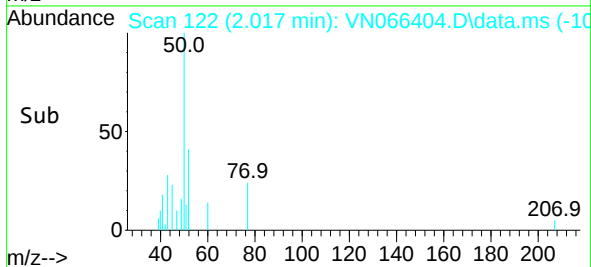
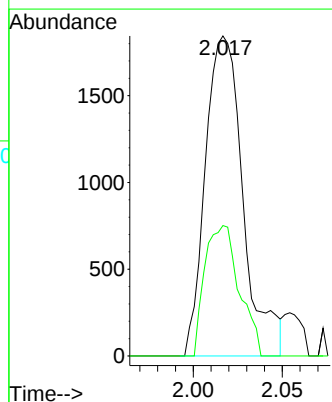
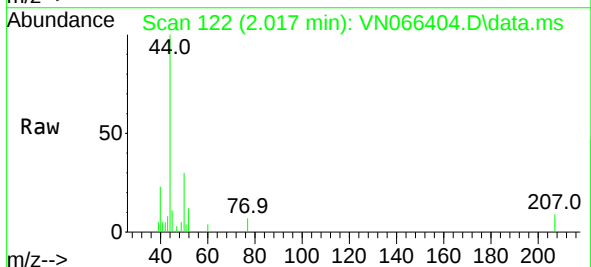
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

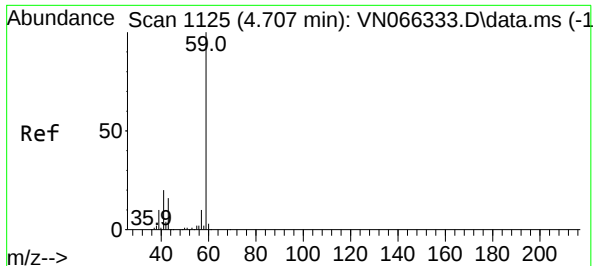
Tgt Ion:168 Resp: 412143
Ion Ratio Lower Upper
168 100
99 51.8 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 50 Resp: 2721
Ion Ratio Lower Upper
50 100
52 40.8 26.2 39.2#



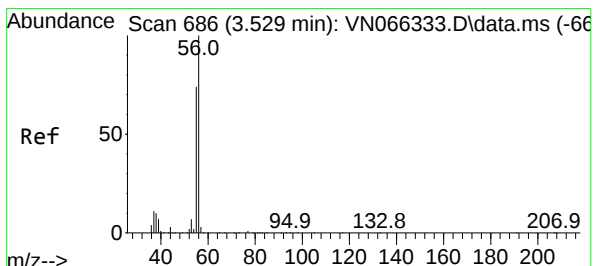
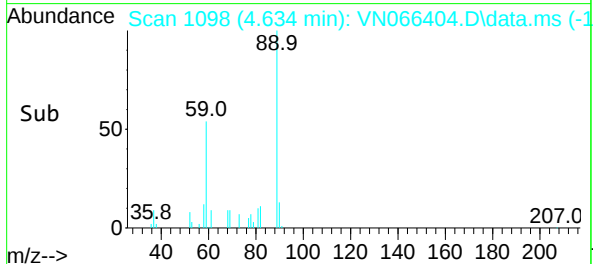
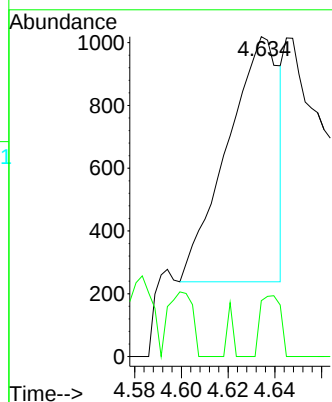
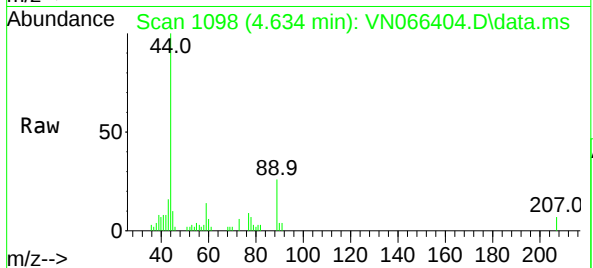


#11

Tert butyl alcohol
Concen: 1.43 ug/l
RT: 4.634 min Scan# 1098
Delta R.T. -0.073 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

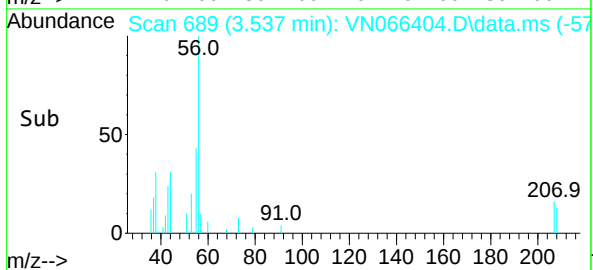
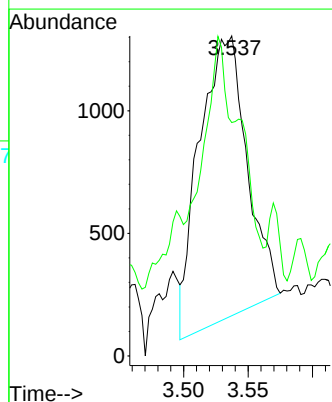
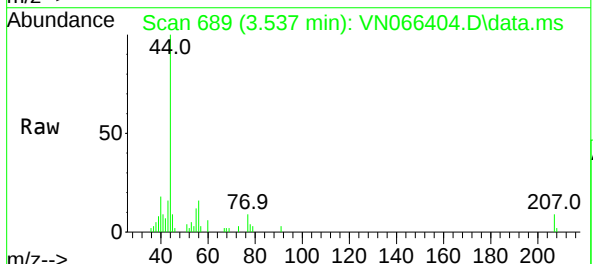
Tgt Ion: 59 Resp: 1198
Ion Ratio Lower Upper
59 100
57 9.8 4.1 6.1#

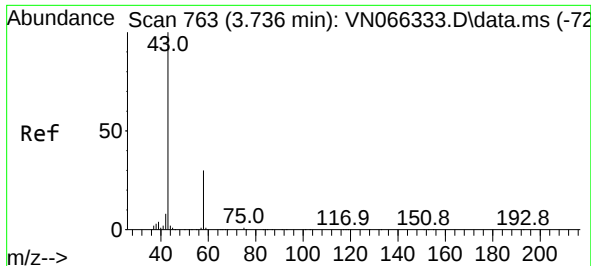


#13

Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.008 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 56 Resp: 2980
Ion Ratio Lower Upper
56 100
55 27.6 57.9 86.9#

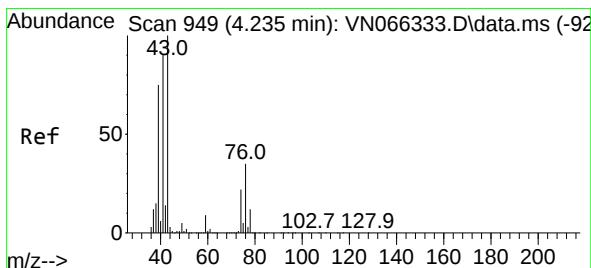
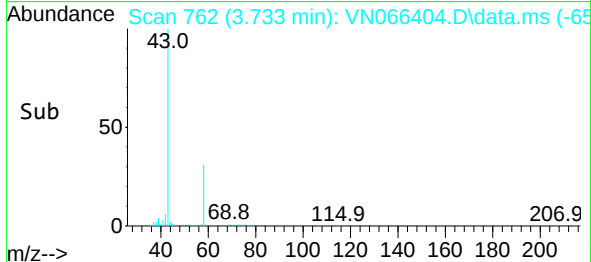
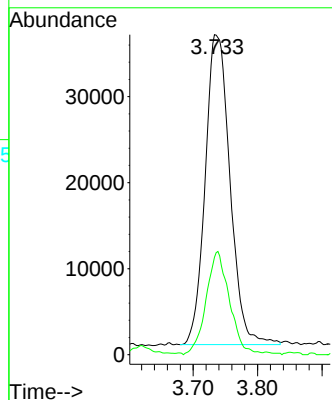
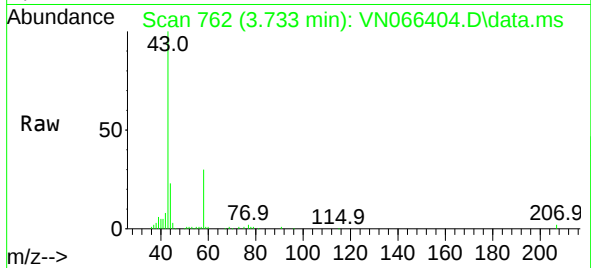




#16
Acetone
Concen: 32.62 ug/l
RT: 3.733 min Scan# 762
Delta R.T. -0.003 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

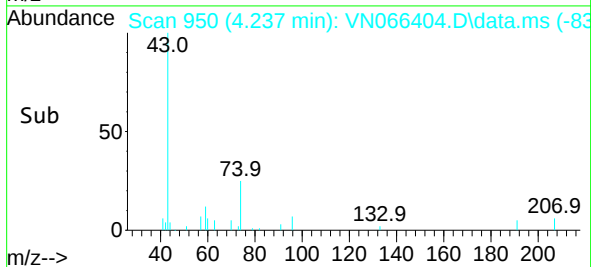
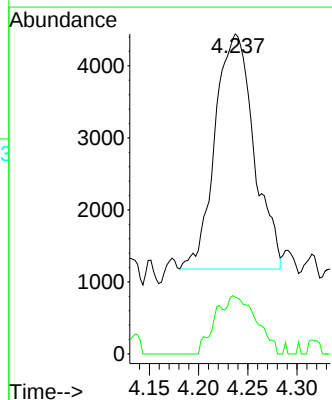
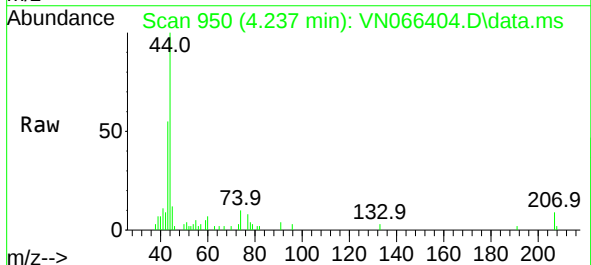
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

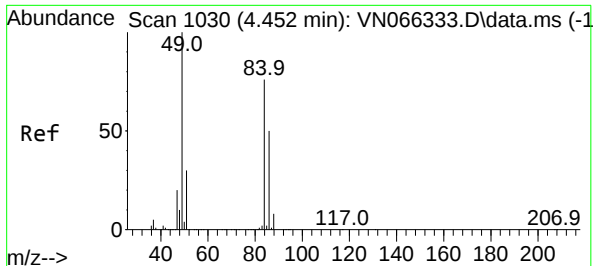
Tgt Ion: 43 Resp: 96556
Ion Ratio Lower Upper
43 100
58 30.9 23.8 35.8



#18
Methyl Acetate
Concen: 1.16 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.003 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

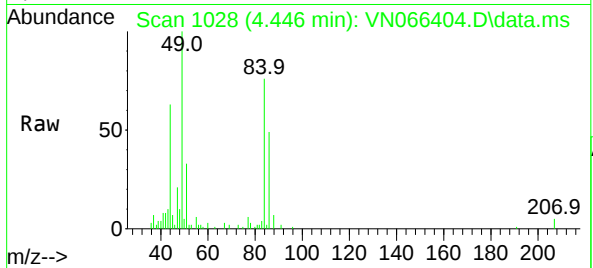
Tgt Ion: 43 Resp: 8966
Ion Ratio Lower Upper
43 100
74 18.2 17.6 26.4



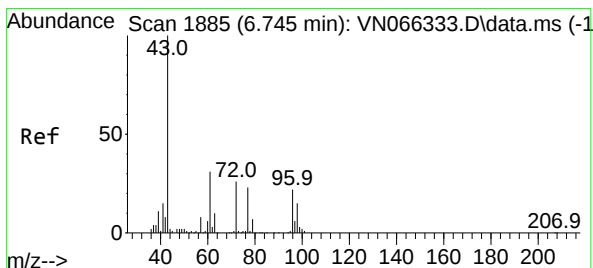
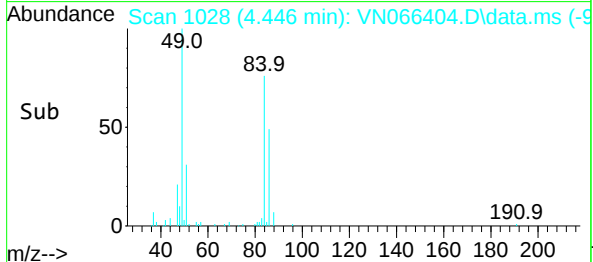
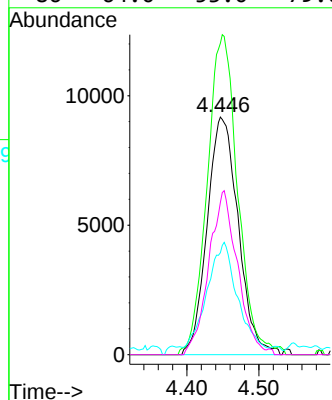


#20
Methylene Chloride
Concen: 4.05 ug/l
RT: 4.446 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

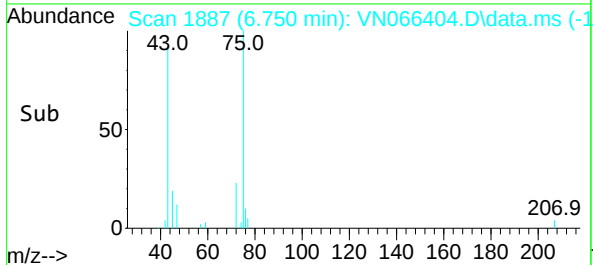
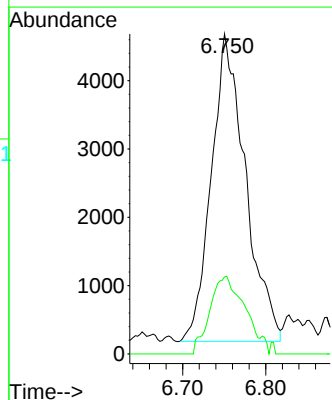
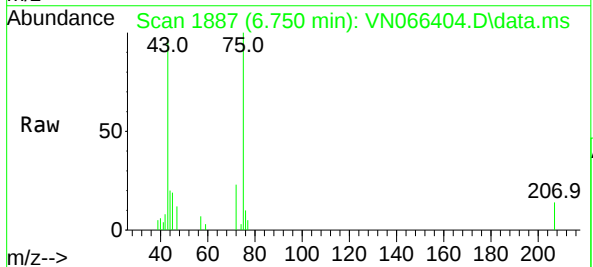


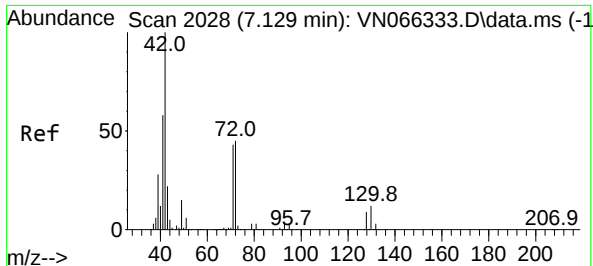
Tgt Ion:	84	Resp:	27526
Ion	Ratio	Lower	Upper
84	100		
49	129.0	105.0	157.6
51	40.1	31.6	47.4
86	64.0	53.0	79.6



#25
2-Butanone
Concen: 3.96 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.005 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion:	43	Resp:	12818
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.112 min Scan# 2022

Delta R.T. -0.016 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

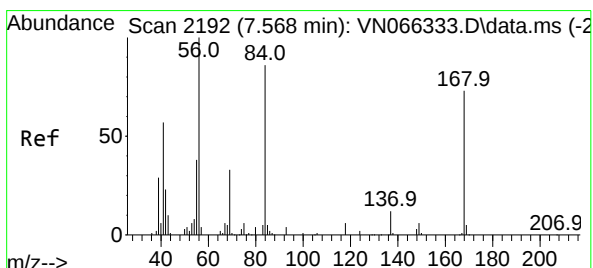
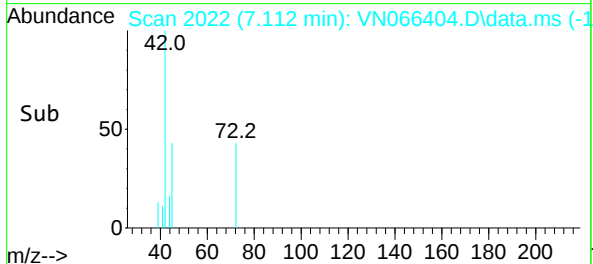
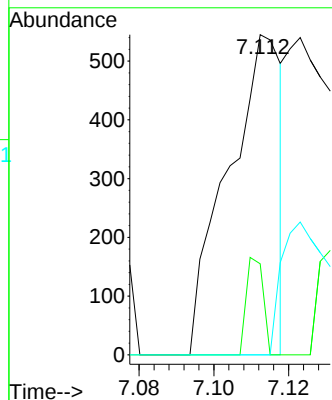
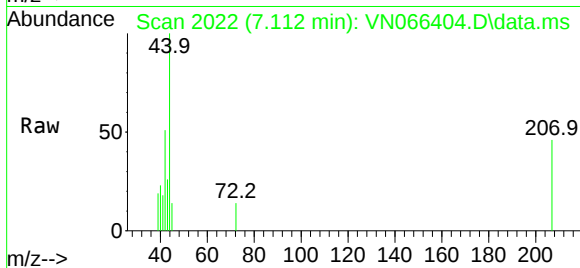
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#11

Tgt Ion: 42	Resp: 539
Ion Ratio	Lower Upper
42	100
72	9.6 35.2 52.8#
71	33.2 33.1 49.7



#31

Cyclohexane

Concen: 1.21 ug/l

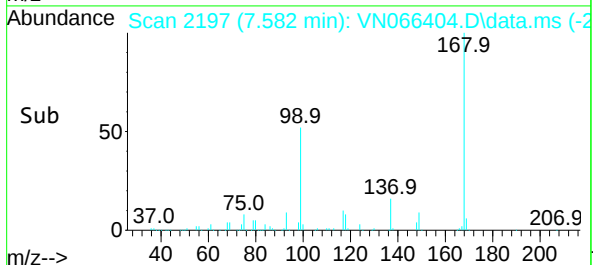
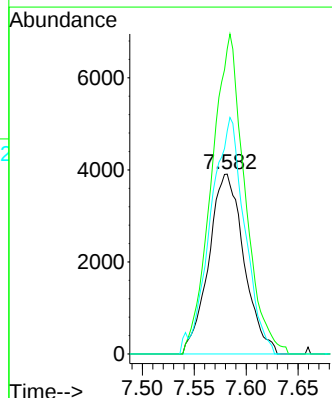
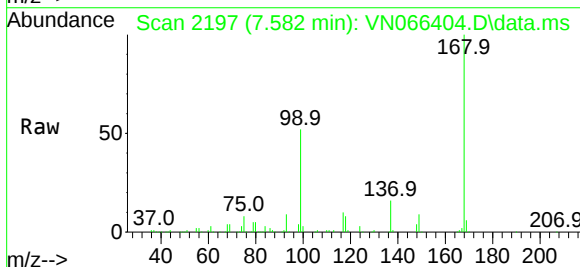
RT: 7.582 min Scan# 2197

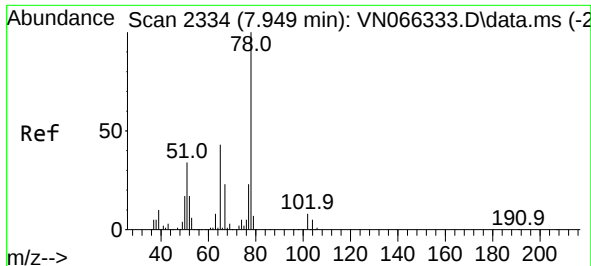
Delta R.T. 0.013 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

Tgt Ion: 56	Resp: 9198
Ion Ratio	Lower Upper
56	100
69	169.7 26.6 40.0#
84	124.1 68.7 103.1#





#33

1,2-Dichloroethane-d4

Concen: 53.00 ug/l

RT: 7.946 min Scan# 2333

Delta R.T. -0.003 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

Tgt Ion: 65 Resp: 290375

Ion Ratio Lower Upper

65 100

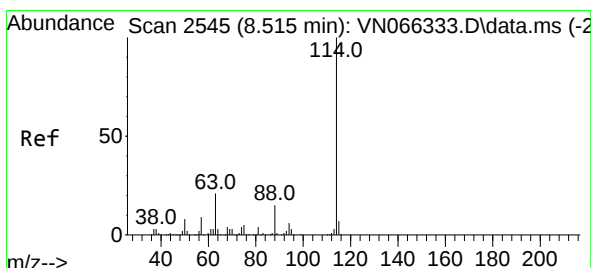
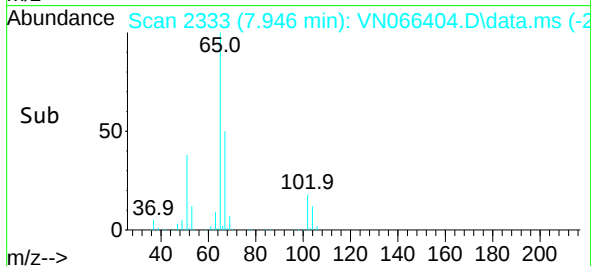
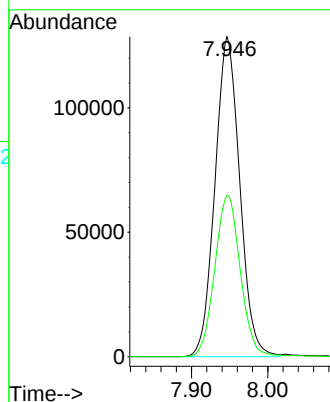
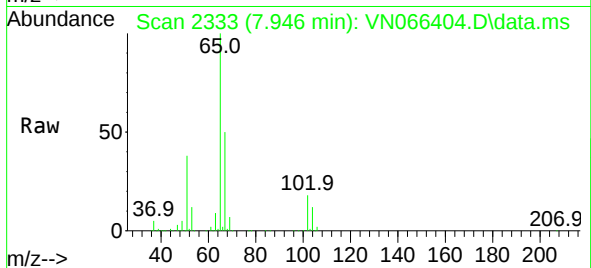
67 51.9 0.0 105.2

Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#11



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.512 min Scan# 2544

Delta R.T. -0.003 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

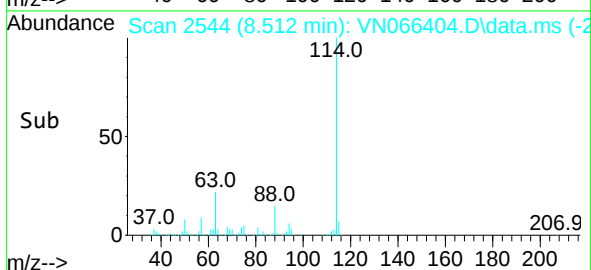
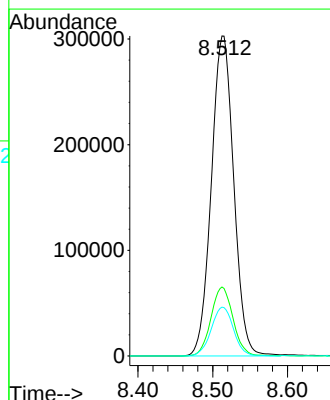
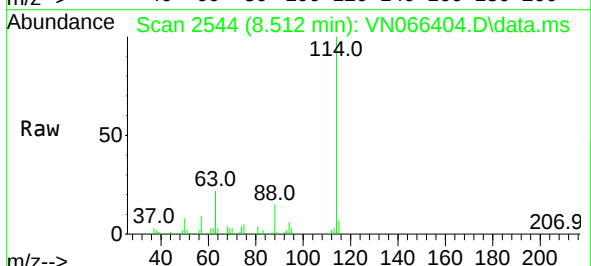
Tgt Ion: 114 Resp: 629776

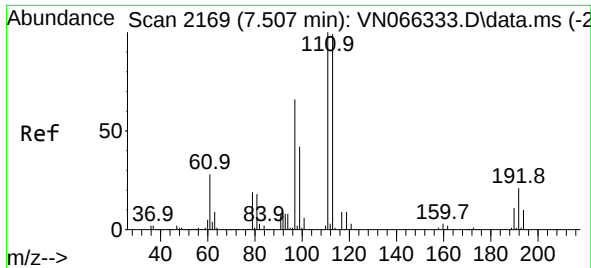
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.0

88 15.3 0.0 31.0

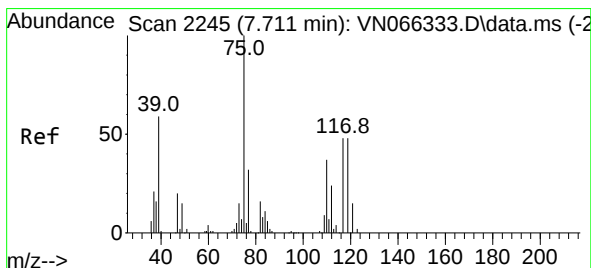
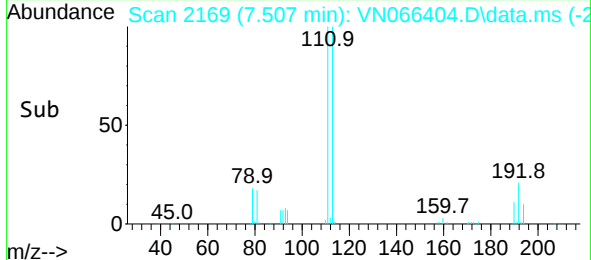
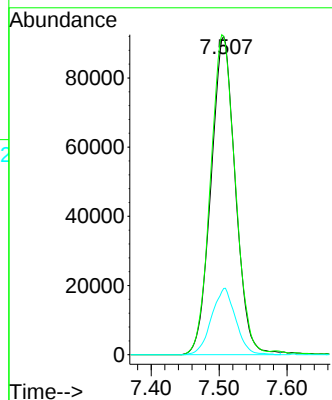
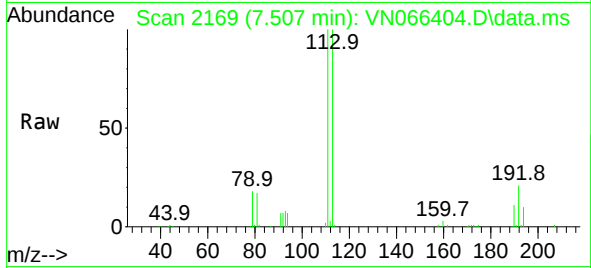




#35
Dibromofluoromethane
Concen: 54.70 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

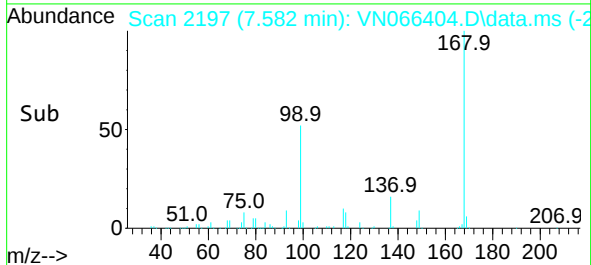
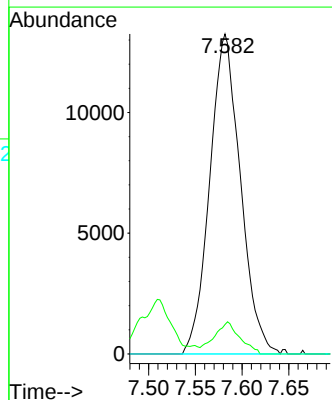
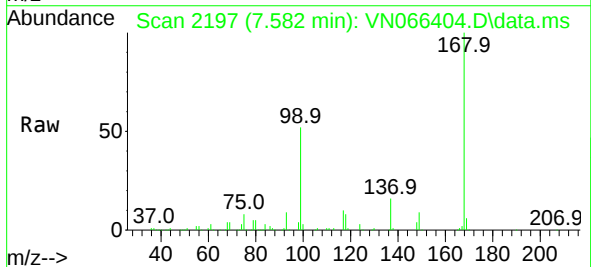
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

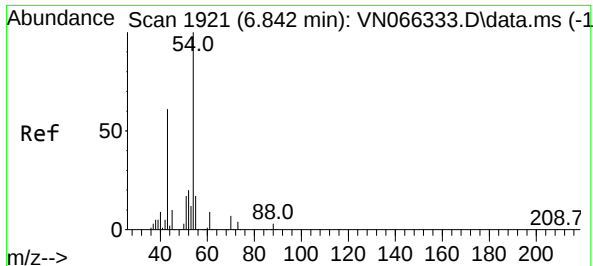
Tgt Ion:113 Resp: 228360
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 20.7 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 75 Resp: 30266
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.97 ug/l

RT: 6.750 min Scan# 1887

Delta R.T. -0.091 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

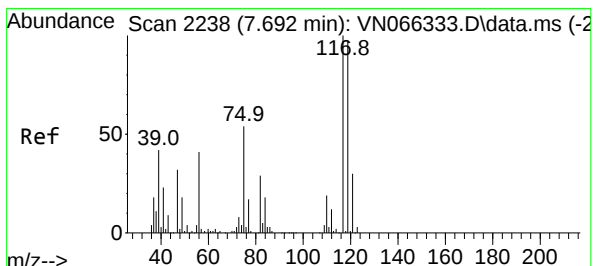
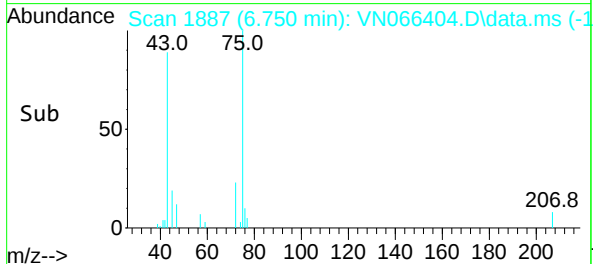
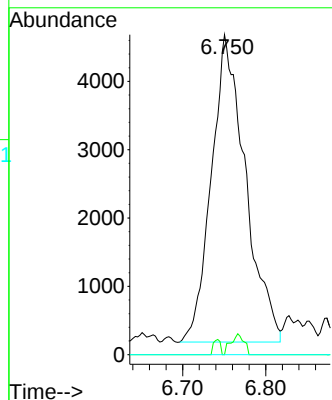
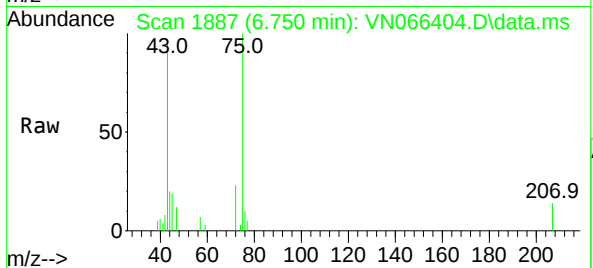
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#11

Tgt Ion:	43	Resp:	12818
Ion	Ratio	Lower	Upper
43	100		
61	1.0	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.53 ug/l

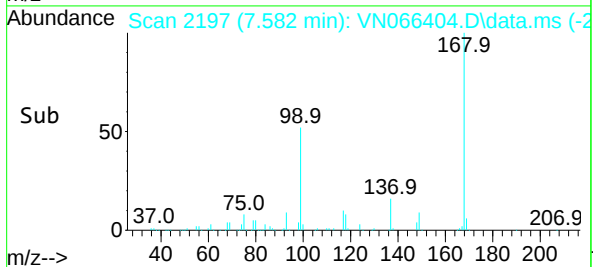
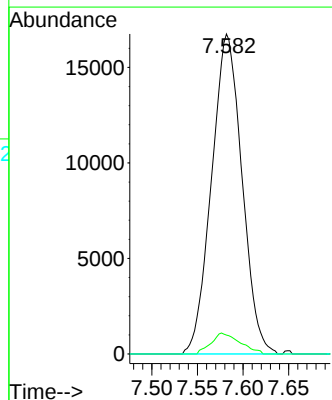
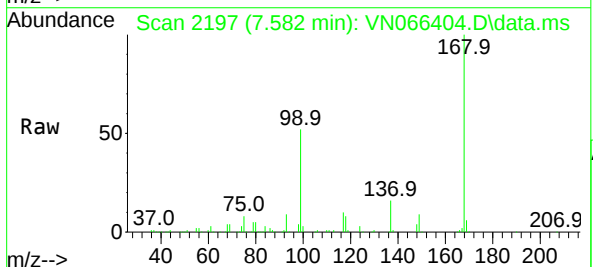
RT: 7.582 min Scan# 2197

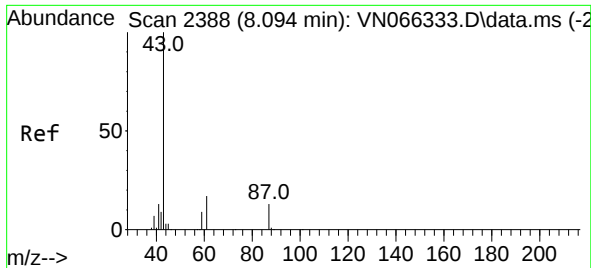
Delta R.T. -0.110 min

Lab File: VN066404.D

Acq: 30 Mar 2021 2:45

Tgt Ion:	117	Resp:	38867
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.2	115.8#
121	0.0	24.2	36.4#

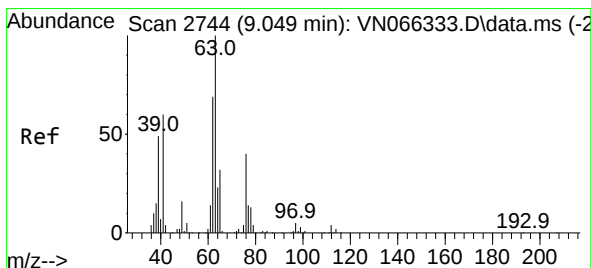
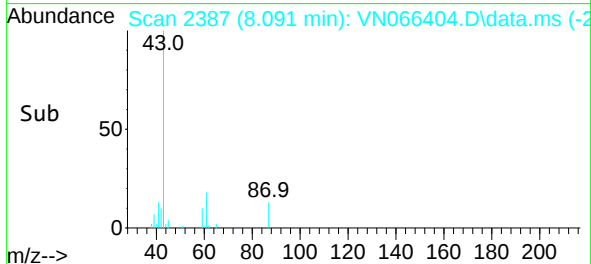
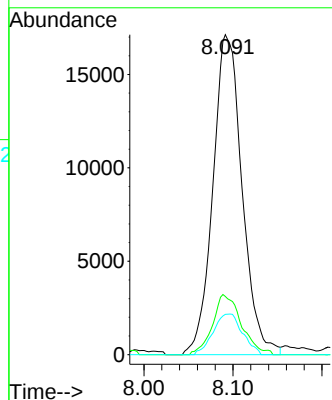
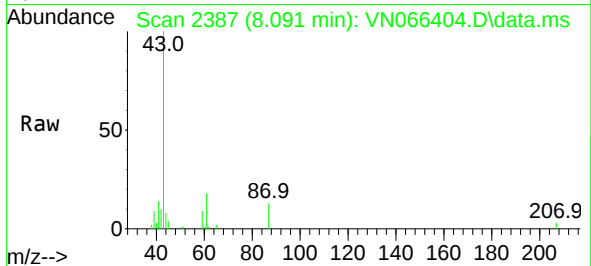




#43
Isopropyl Acetate
Concen: 3.51 ug/l
RT: 8.091 min Scan# 2387
Delta R.T. -0.003 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

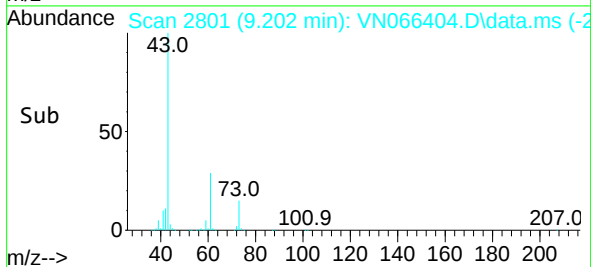
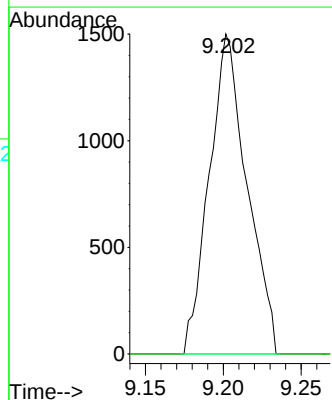
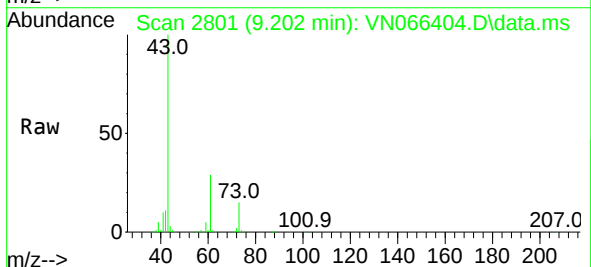
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

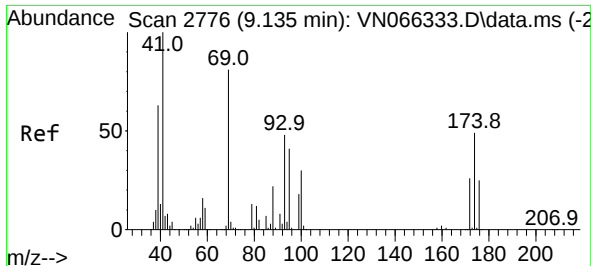
Tgt Ion: 43	Resp: 39043
Ion Ratio	Lower Upper
43	100
61	18.5 15.5 23.3
87	12.7 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 63	Resp: 2534
Ion Ratio	Lower Upper
63	100
65	0.0 25.5 38.3#

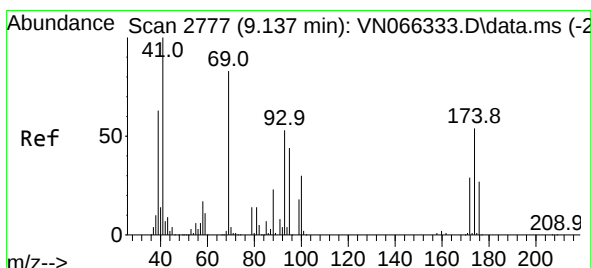
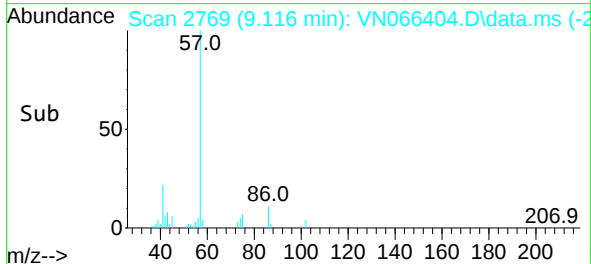
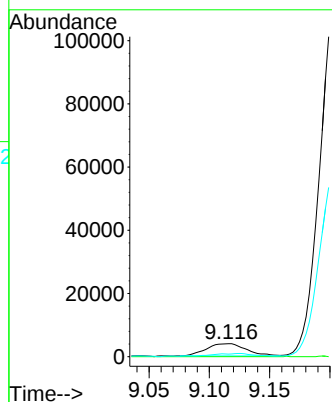
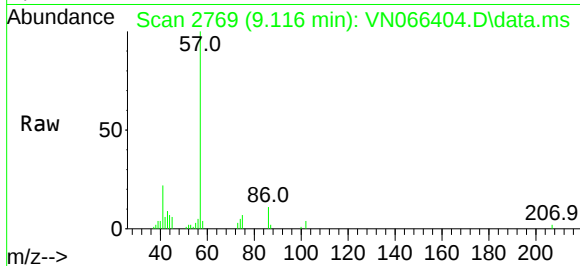




#48
Methyl methacrylate
Concen: 1.69 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

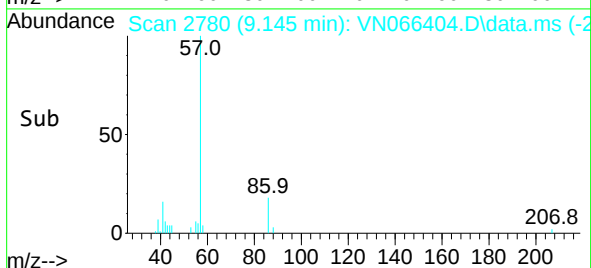
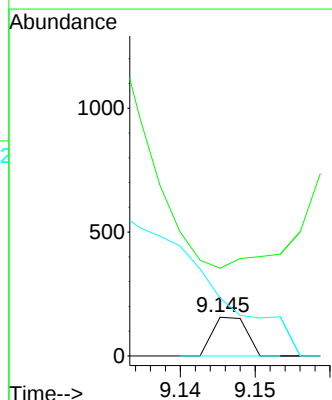
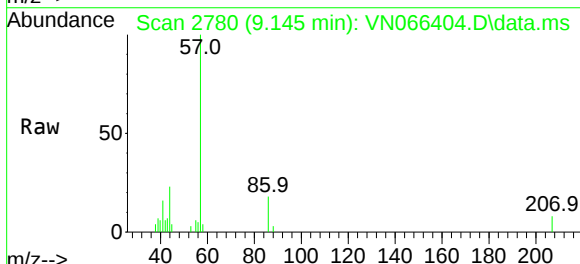
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

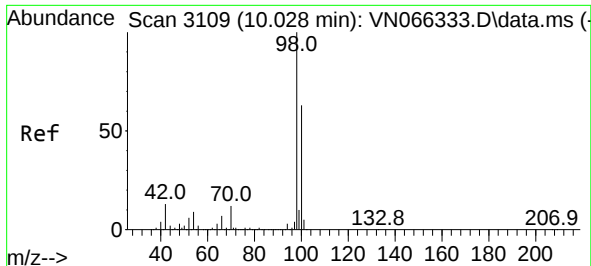
Tgt Ion: 41 Resp: 8944
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.74 ug/l
RT: 9.145 min Scan# 2780
Delta R.T. 0.008 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 56.6 84.8#

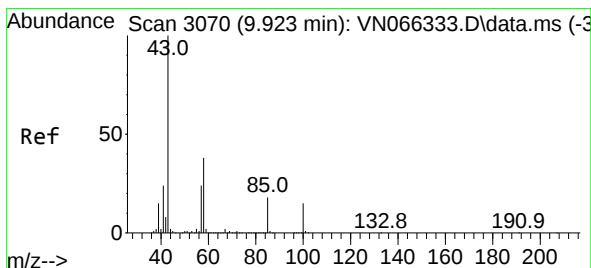
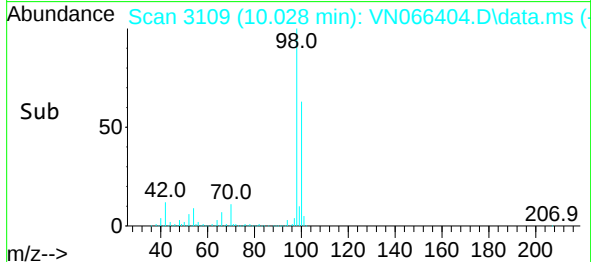
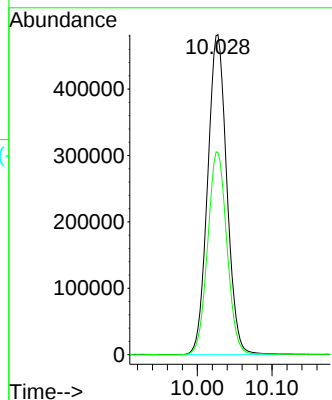
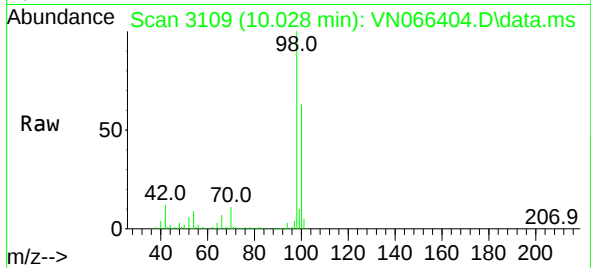




#50
Toluene-d8
Concen: 54.29 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

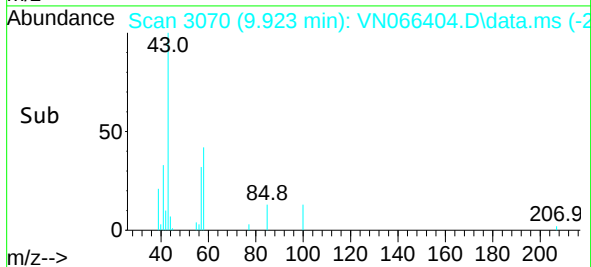
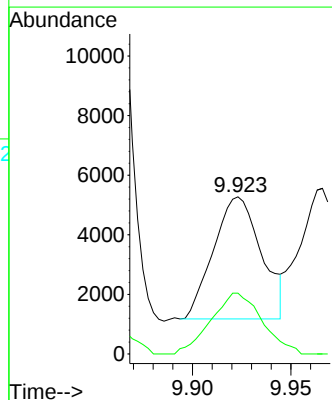
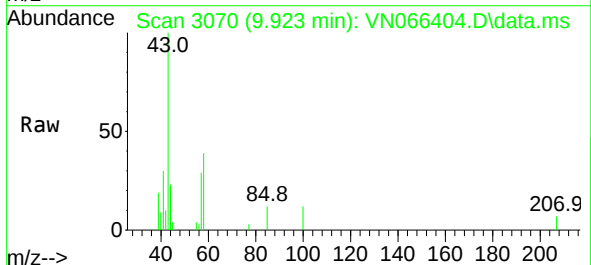
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

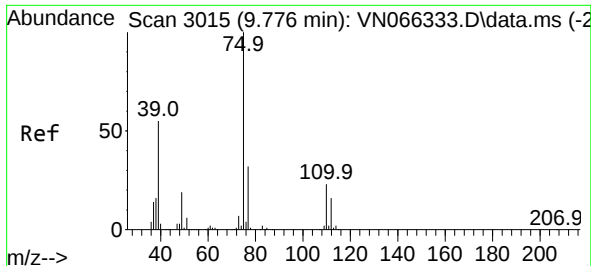
Tgt Ion: 98 Resp: 859730
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
58 53.3 30.8 46.2#

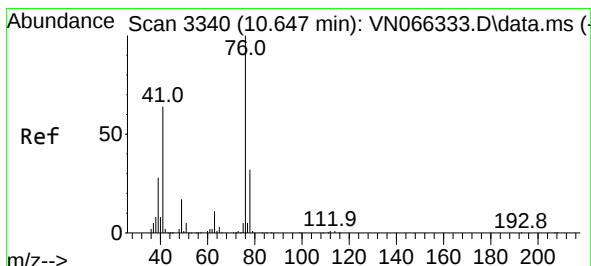
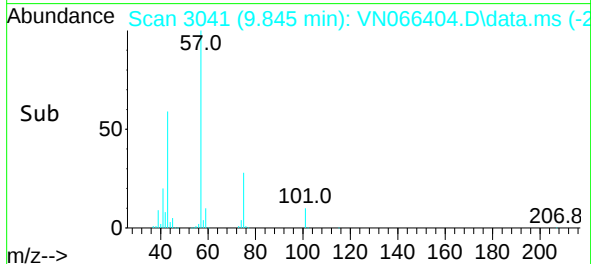
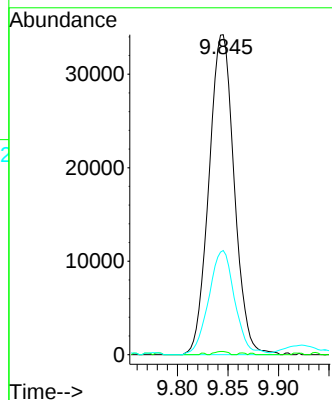
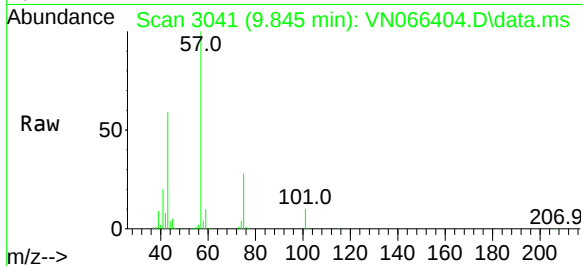




#54
cis-1,3-Dichloropropene
Concen: 7.92 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.070 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

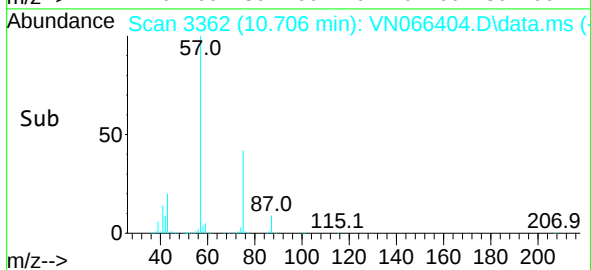
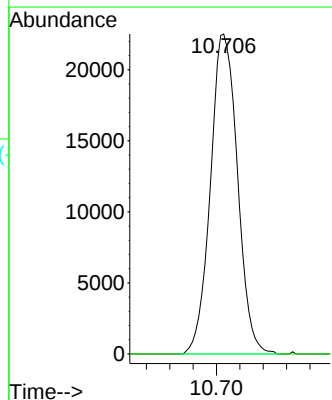
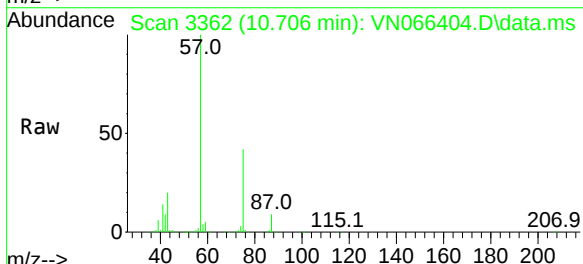
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

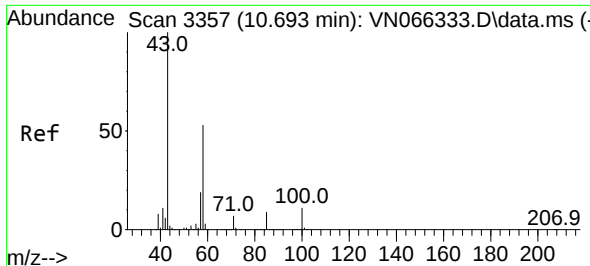
Tgt Ion: 75 Resp: 59561
Ion Ratio Lower Upper
75 100
77 1.0 25.4 38.2#
39 32.5 44.2 66.4#



#57
1,3-Dichloropropane
Concen: 4.95 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 76 Resp: 36196
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

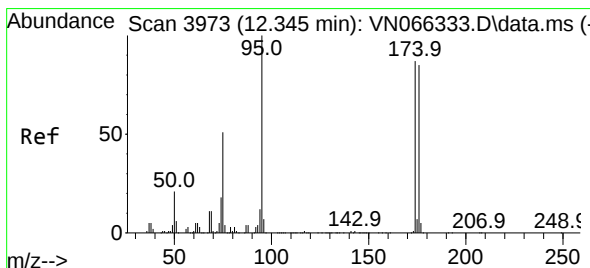
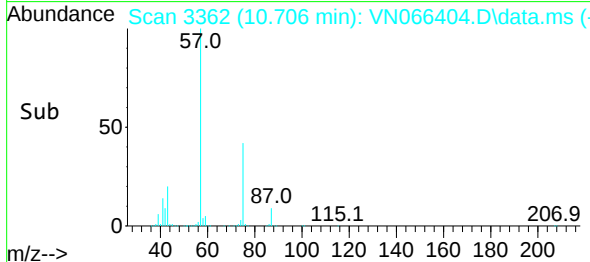
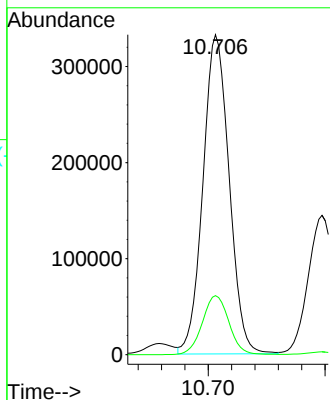
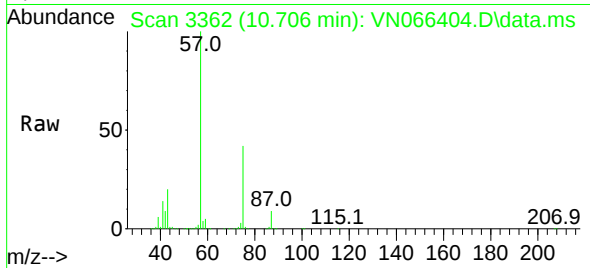




#59
2-Hexanone
Concen: 113.52 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

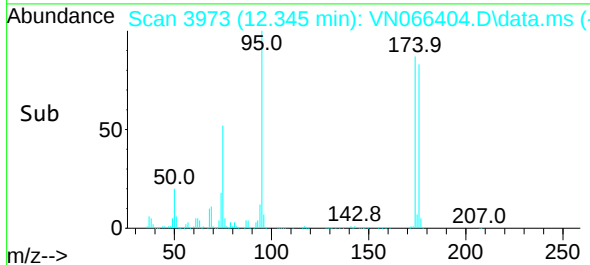
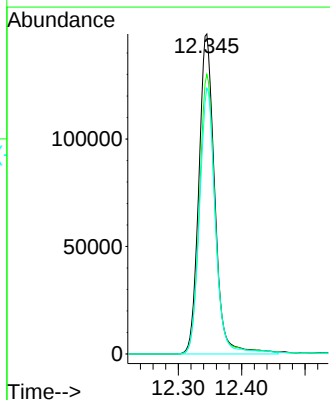
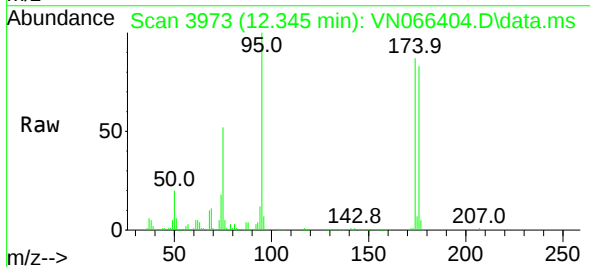
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

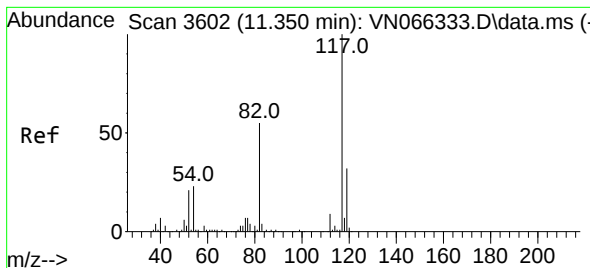
Tgt Ion: 43 Resp: 517346
Ion Ratio Lower Upper
43 100
58 18.9 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 95 Resp: 259567
Ion Ratio Lower Upper
95 100
174 85.3 0.0 172.2
176 82.3 0.0 167.8

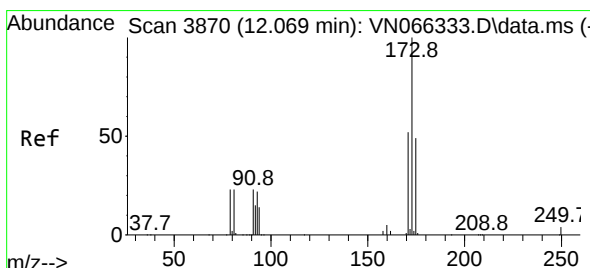
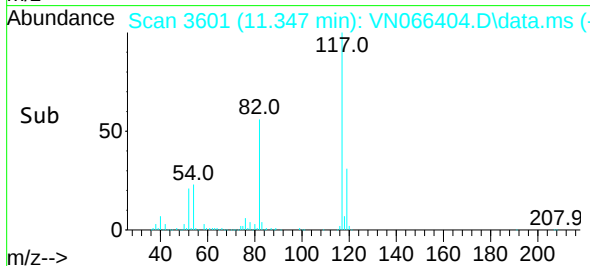
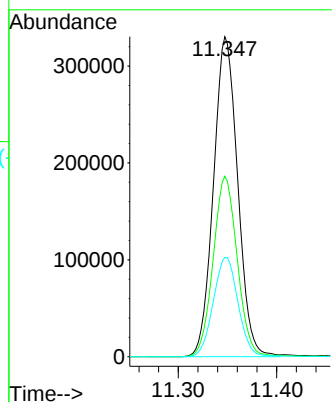
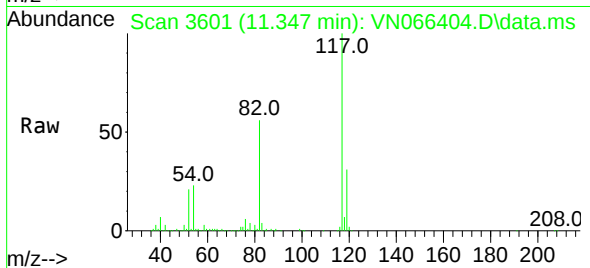




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

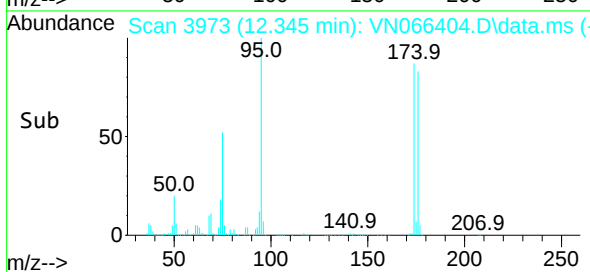
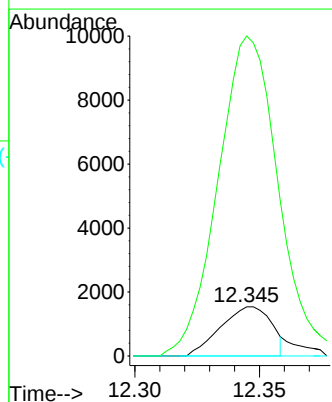
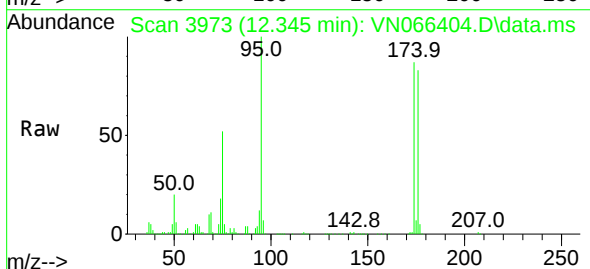
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

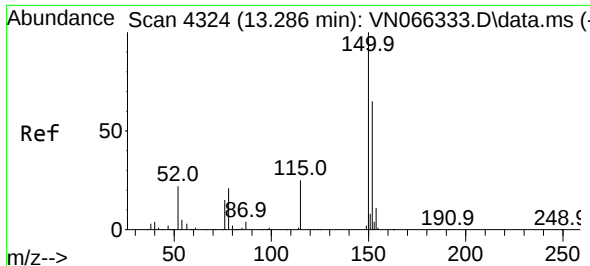
Tgt Ion:117 Resp: 565342
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.4
119 31.1 25.8 38.6



#71
Bromoform
Concen: 0.60 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion:173 Resp: 2183
Ion Ratio Lower Upper
173 100
175 686.9 24.3 72.8#
254 0.0 0.0 0.0

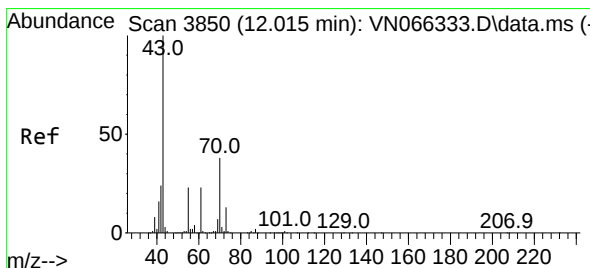
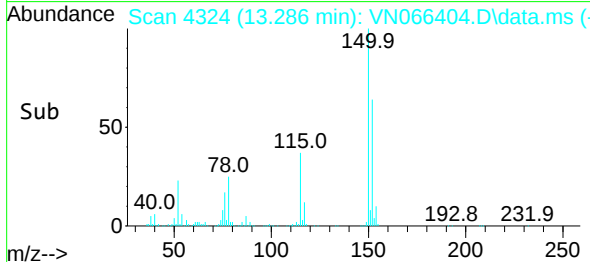
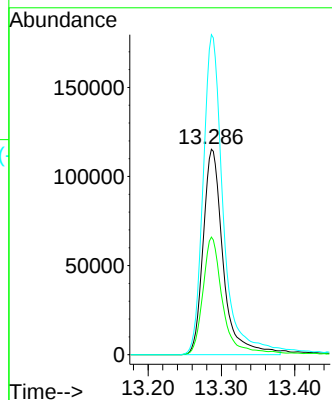
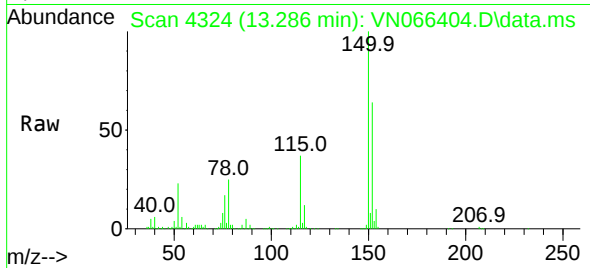




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

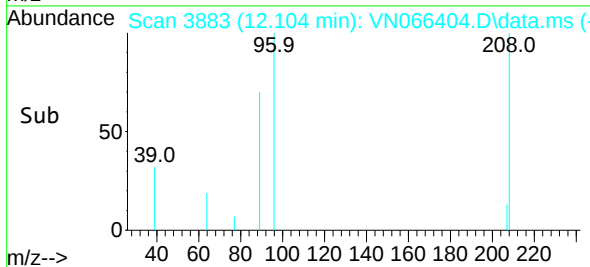
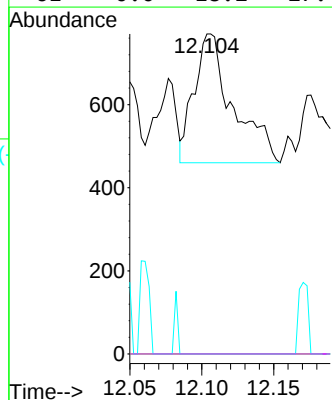
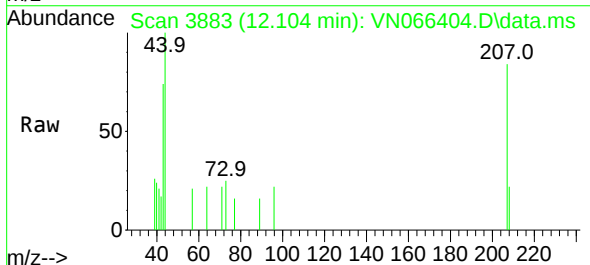
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

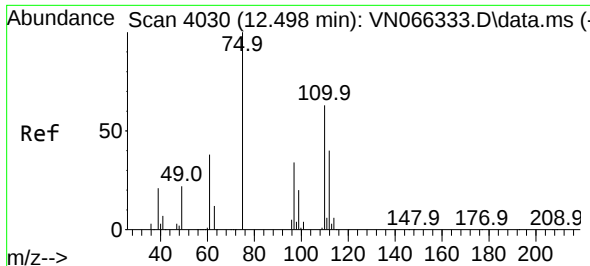
Tgt Ion:152 Resp: 218884
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 159.5 0.0 348.4



#74
N-ethyl acetate
Concen: 3.28 ug/l
RT: 12.104 min Scan# 3883
Delta R.T. 0.088 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 0.0 18.6 28.0#
61 0.0 18.2 27.4#

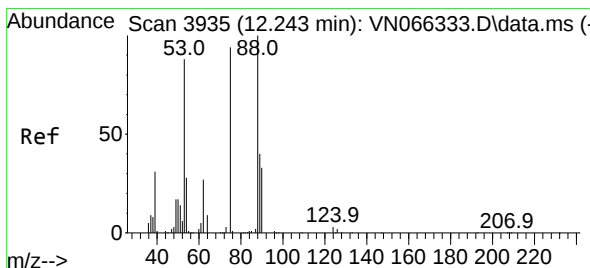
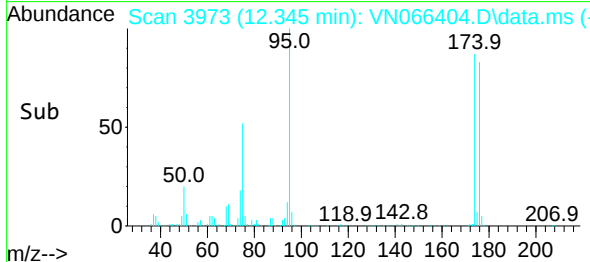
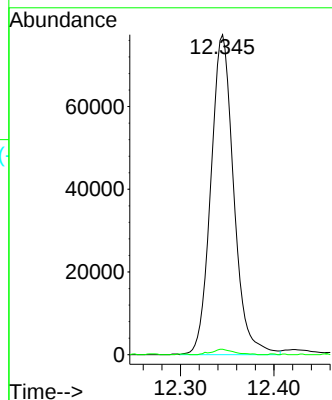
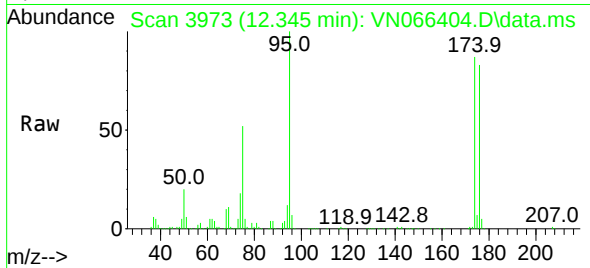




#76
1,2,3-Trichloropropane
Concen: 27.44 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

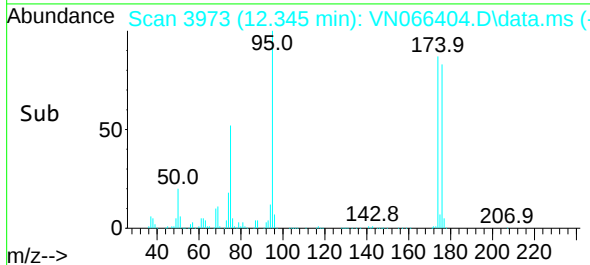
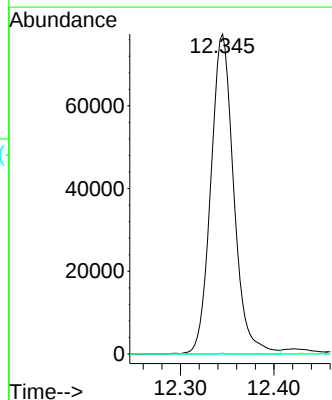
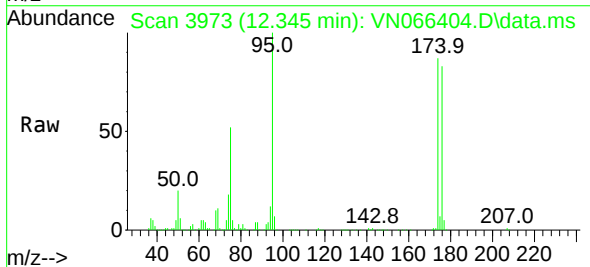
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#11

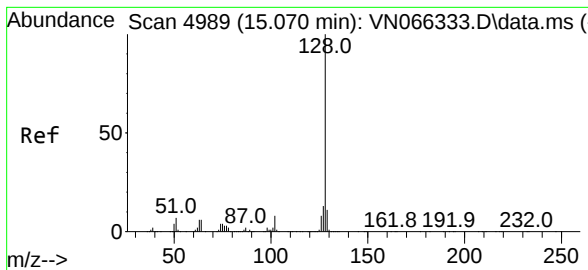
Tgt Ion: 75 Resp: 131790
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.52 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066404.D
Acq: 30 Mar 2021 2:45

Tgt Ion: 75 Resp: 131790
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 1.13 ug/l
 RT: 15.075 min Scan# 4991
 Delta R.T. 0.005 min
 Lab File: VN066404.D
 Acq: 30 Mar 2021 2:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#11

Tgt Ion:128	Resp:	1160
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.5 15.7#
129	0.0	8.5 12.7#

