

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066397.D
 Acq On : 30 Mar 2021 00:00
 Operator : JC/MD
 Sample : PB135367ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#04

Quant Time: Mar 30 07:06:55 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)

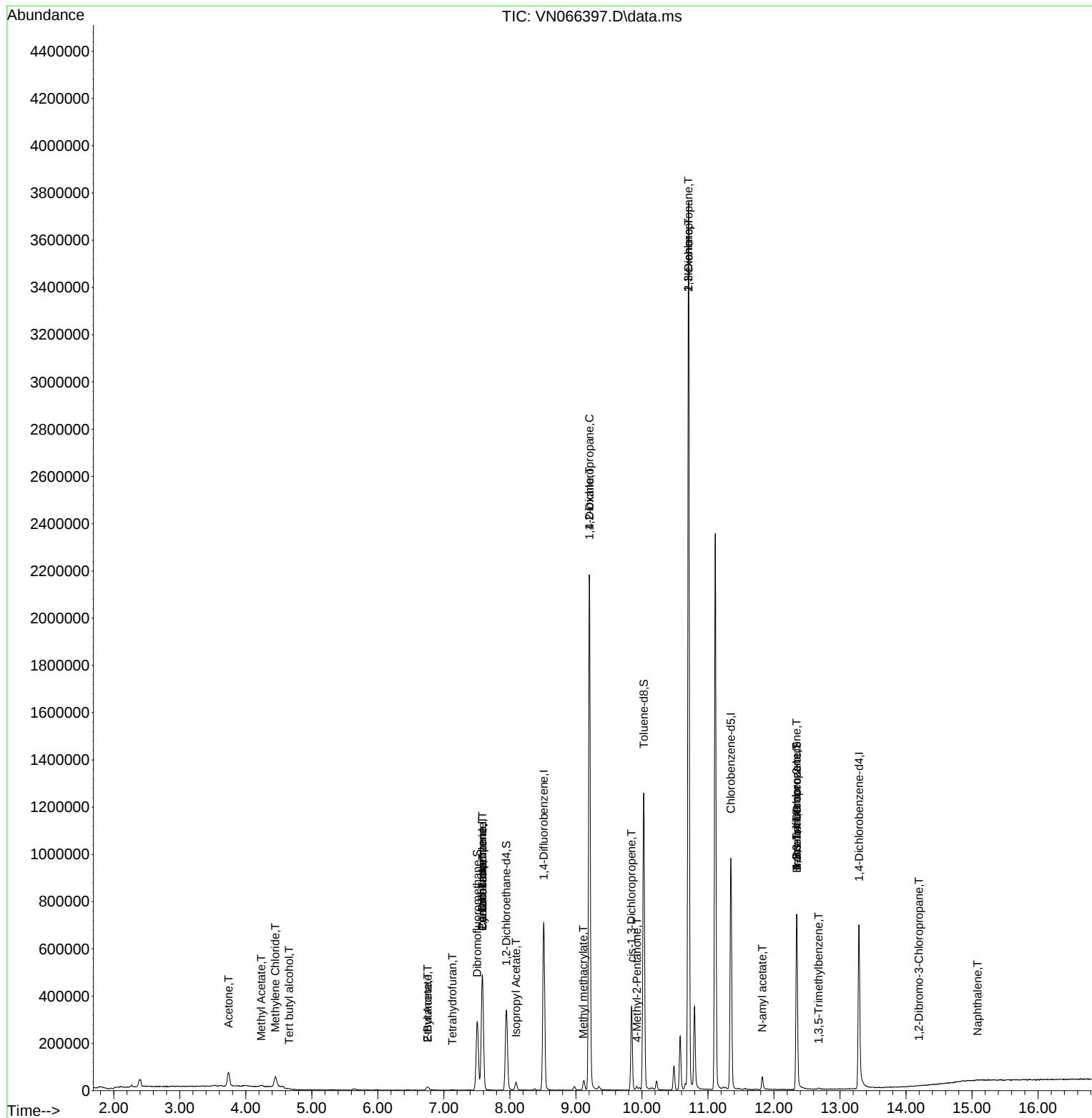
Internal Standards						
1) Pentafluorobenzene	7.584	168	409587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	626184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	558699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	217594	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	284419	52.24	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.48%			
35) Dibromofluoromethane	7.507	113	220722	53.17	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.34%			
50) Toluene-d8	10.028	98	861398	54.71	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.42%			
62) 4-Bromofluorobenzene	12.345	95	261044	47.73	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.46%			
Target Compounds						Qvalue
3) Chloromethane	2.019	50	3291	Below Cal		96
11) Tert butyl alcohol	4.656	59	1156	1.39 ug/l #		85
13) Acrolein	3.529	56	3214	Below Cal #		62
16) Acetone	3.738	43	97067	33.00 ug/l		99
18) Methyl Acetate	4.235	43	8548	1.11 ug/l #		89
20) Methylene Chloride	4.447	84	28185	4.21 ug/l		94
25) 2-Butanone	6.756	43	12546	3.90 ug/l		100
29) Tetrahydrofuran	7.128	42	986	0.47 ug/l #		70
31) Cyclohexane	7.584	56	9093	1.21 ug/l #		11
36) 1,1-Dichloropropene	7.582	75	30667	5.21 ug/l #		44
37) Ethyl Acetate	6.756	43	12546	1.94 ug/l #		72
38) Carbon Tetrachloride	7.584	117	36768	6.22 ug/l #		15
43) Isopropyl Acetate	8.094	43	40180	3.63 ug/l		99
45) 1,2-Dichloropropane	9.204	63	2879	0.61 ug/l #		43
48) Methyl methacrylate	9.110	41	10561	2.01 ug/l #		12
49) 1,4-Dioxane	9.207	88	220	3.32 ug/l #		1
51) 4-Methyl-2-Pentanone	9.923	43	9502	1.47 ug/l		97
54) cis-1,3-Dichloropropene	9.843	75	63134	8.45 ug/l #		59
57) 1,3-Dichloropropane	10.706	76	37530	5.16 ug/l #		42
59) 2-Hexanone	10.706	43	530974	117.18 ug/l #		52
71) Bromoform	12.348	173	2385	0.67 ug/l #		1
74) N-amyl acetate	11.825	43	19790	6.10 ug/l #		55
76) 1,2,3-Trichloropropane	12.345	75	131504	27.54 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.677	105	2750	0.21 ug/l		93
81) trans-1,4-Dichloro-2-b...	12.345	75	131504	82.83 ug/l #		12
92) 1,2-Dibromo-3-Chloropr...	14.195	75	353	0.36 ug/l #		1
95) Naphthalene	15.083	128	2294	1.23 ug/l #		71

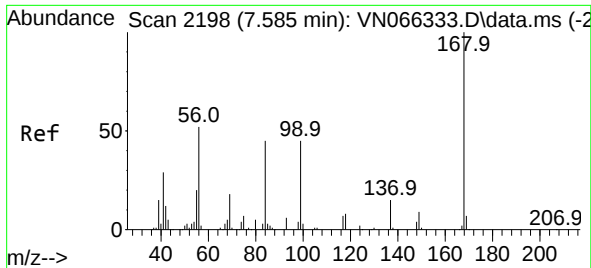
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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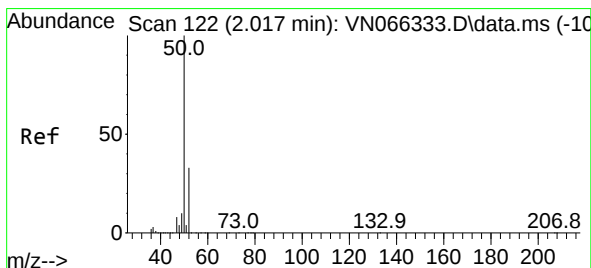
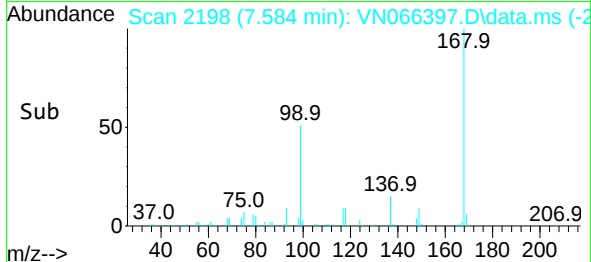
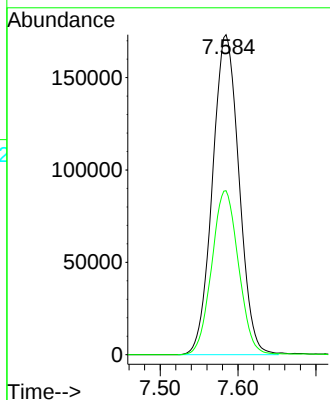
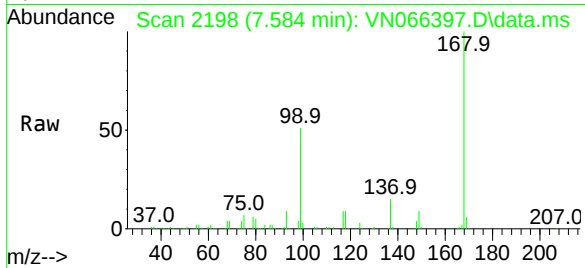




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

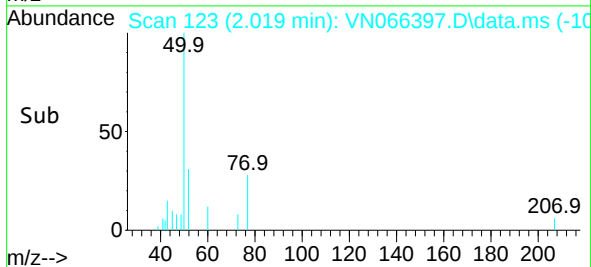
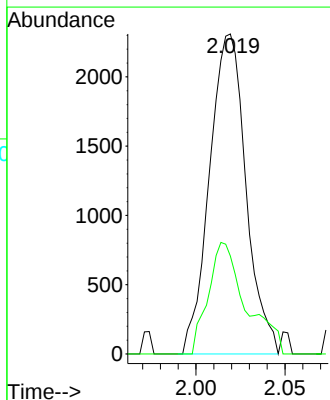
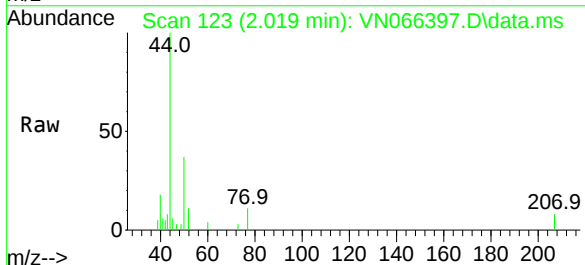
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

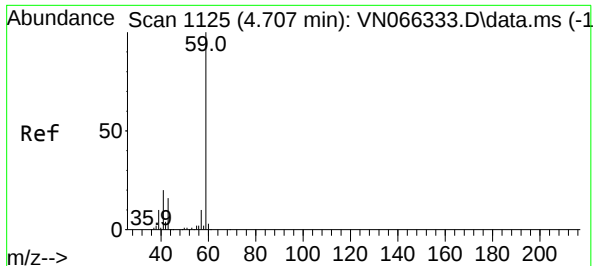
Tgt Ion:168 Resp: 409587
Ion Ratio Lower Upper
168 100
99 51.3 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 50 Resp: 3291
Ion Ratio Lower Upper
50 100
52 30.6 26.2 39.2



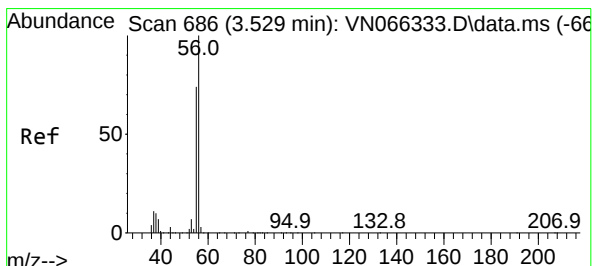
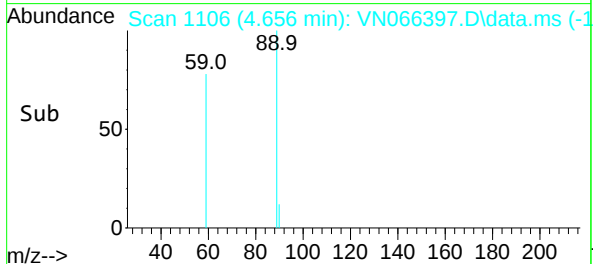
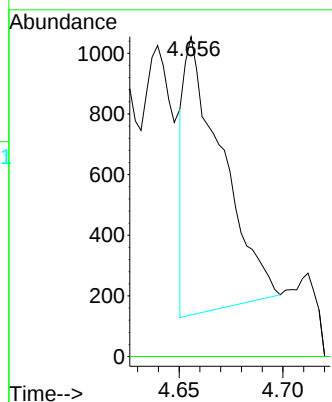
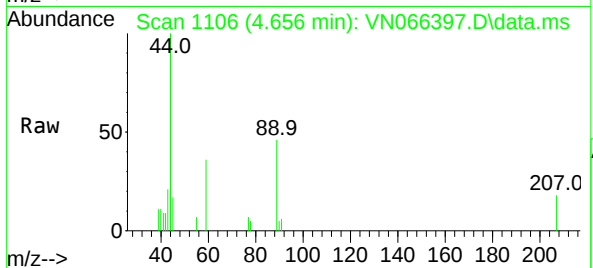


#11

Tert butyl alcohol
Concen: 1.39 ug/l
RT: 4.656 min Scan# 1106
Delta R.T. -0.051 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

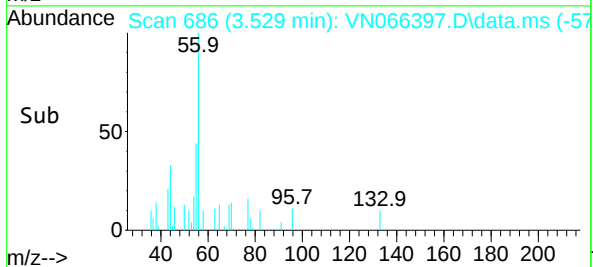
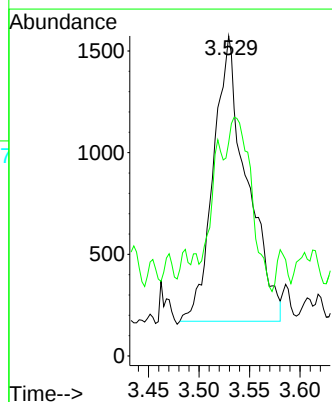
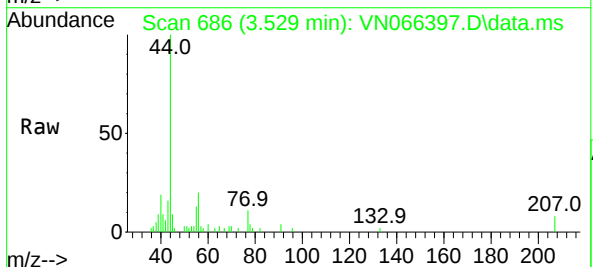
Tgt Ion: 59 Resp: 1156
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

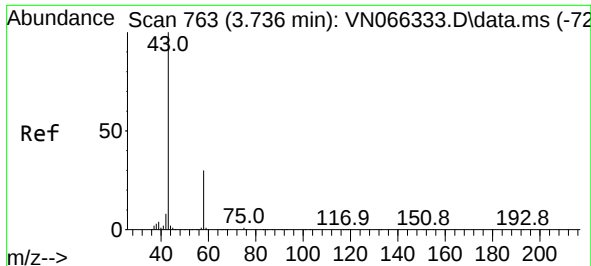


#13

Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 56 Resp: 3214
Ion Ratio Lower Upper
56 100
55 41.0 57.9 86.9#

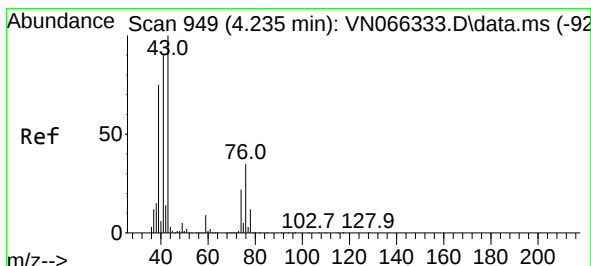
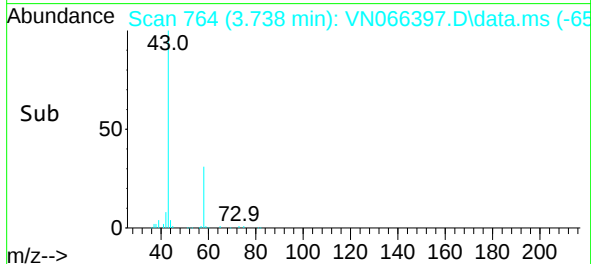
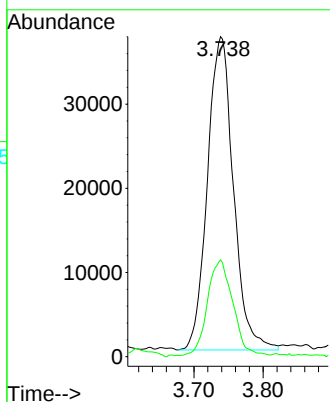
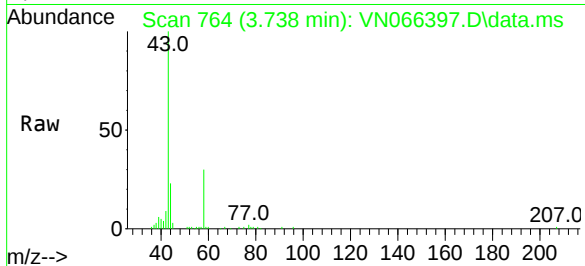




#16
Acetone
Concen: 33.00 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

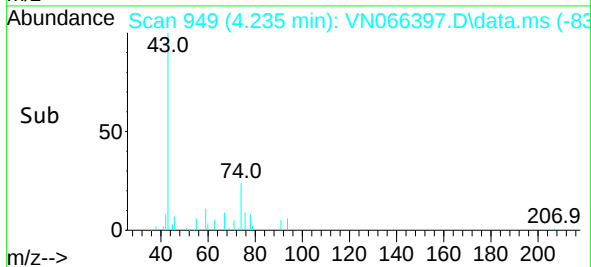
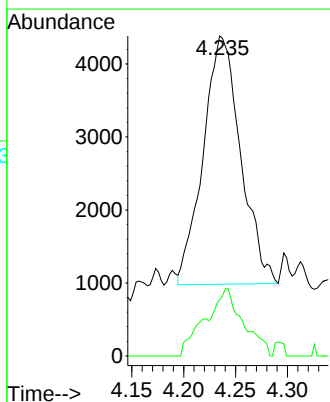
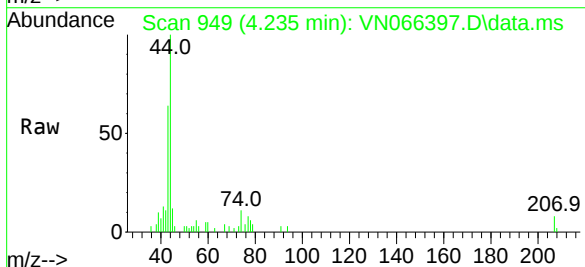
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

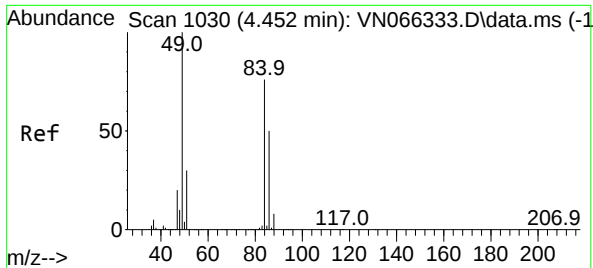
Tgt Ion: 43 Resp: 97067
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.8



#18
Methyl Acetate
Concen: 1.11 ug/l
RT: 4.235 min Scan# 949
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

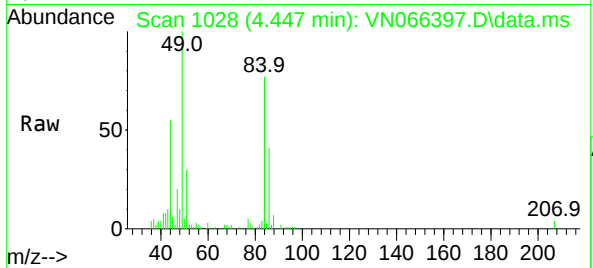
Tgt Ion: 43 Resp: 8548
Ion Ratio Lower Upper
43 100
74 27.4 17.6 26.4#



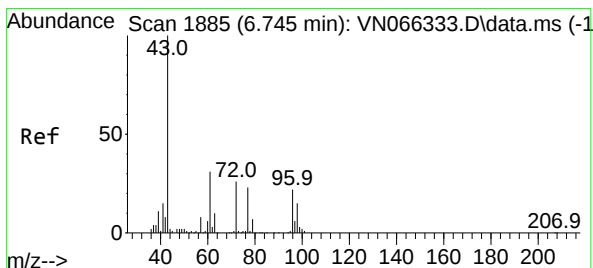
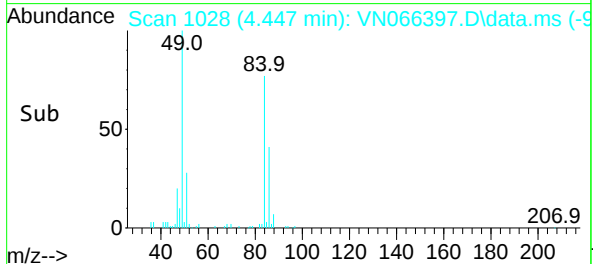
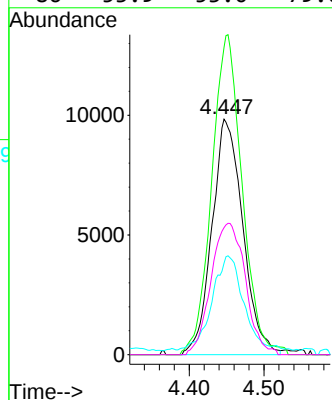


#20
Methylene Chloride
Concen: 4.21 ug/l
RT: 4.447 min Scan# 1028
Delta R.T. -0.005 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

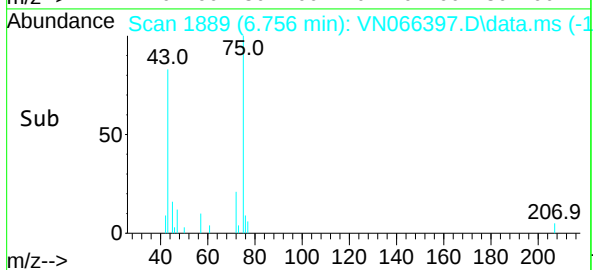
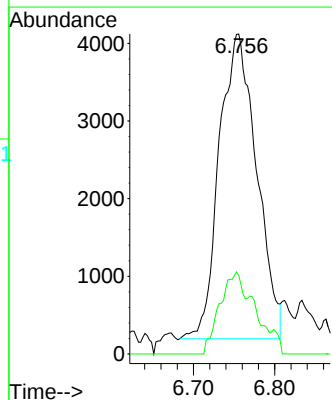
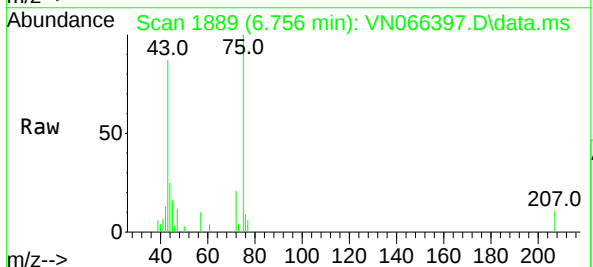


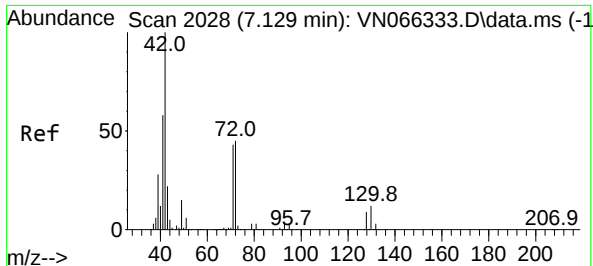
Tgt Ion:	84	Resp:	28185
Ion	Ratio	Lower	Upper
84	100		
49	130.5	105.0	157.6
51	36.4	31.6	47.4
86	53.9	53.0	79.6



#25
2-Butanone
Concen: 3.90 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.011 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion:	43	Resp:	12546
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.7	31.1

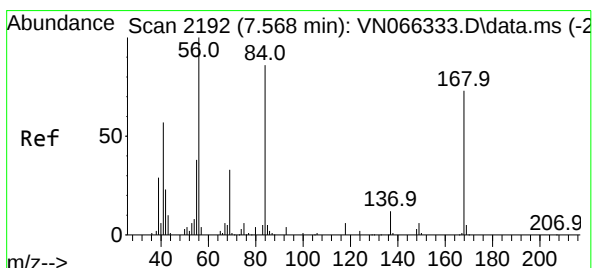
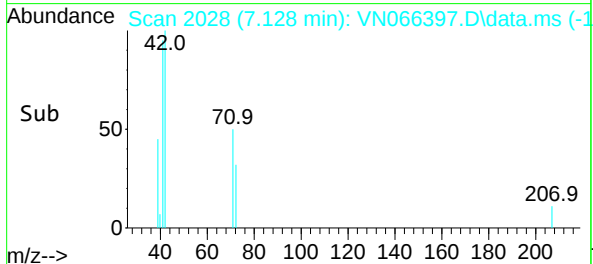
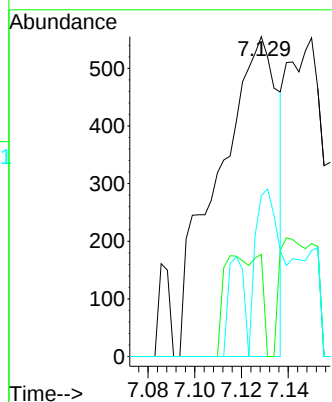
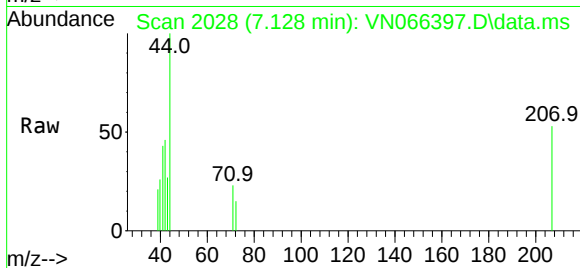




#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 7.128 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

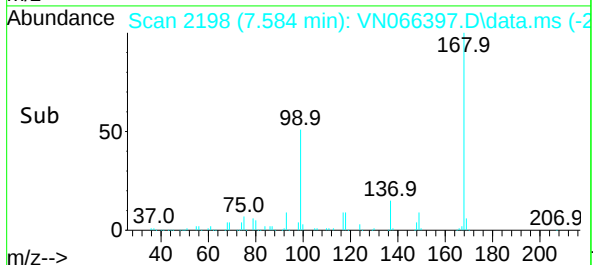
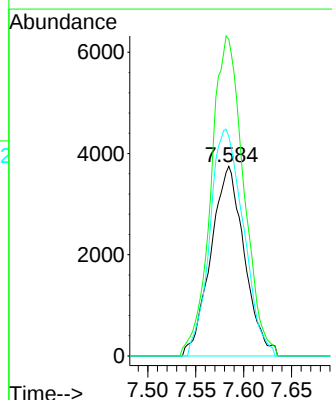
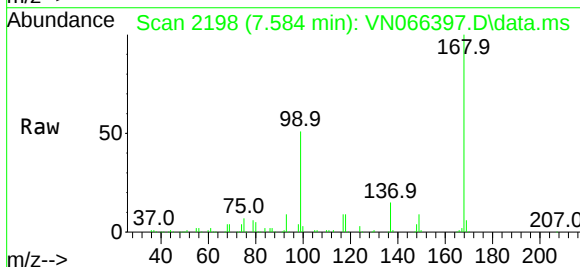
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

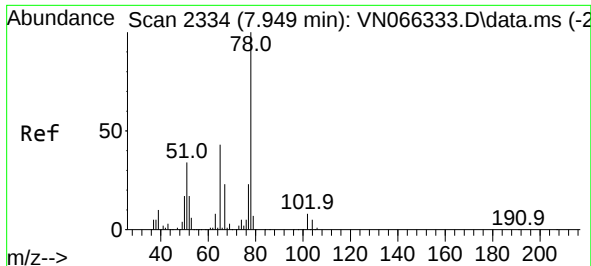
Tgt Ion:	42	Resp:	986
Ion	Ratio	Lower	Upper
42	100		
72	19.2	35.2	52.8#
71	27.8	33.1	49.7#



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.016 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion:	56	Resp:	9093
Ion	Ratio	Lower	Upper
56	100		
69	167.0	26.6	40.0#
84	115.6	68.7	103.1#





#33

1,2-Dichloroethane-d4

Concen: 52.24 ug/l

RT: 7.947 min Scan# 2333

Delta R.T. -0.002 min

Lab File: VN066397.D

Acq: 30 Mar 2021 00:00

Tgt Ion: 65 Resp: 284419

Ion Ratio Lower Upper

65 100

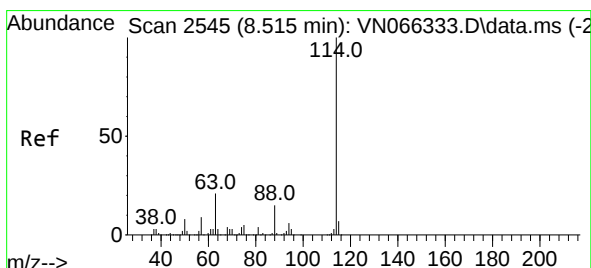
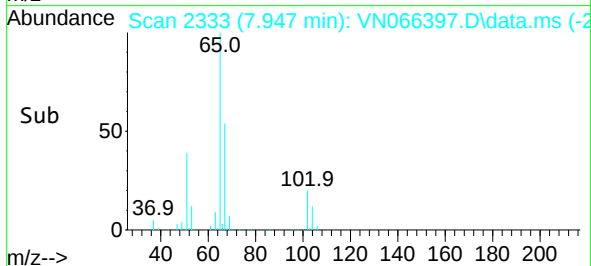
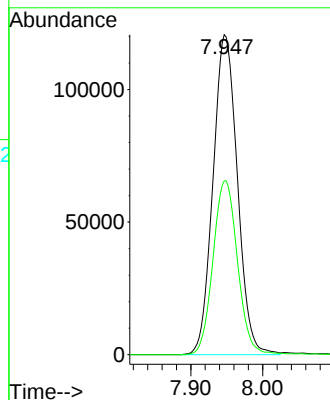
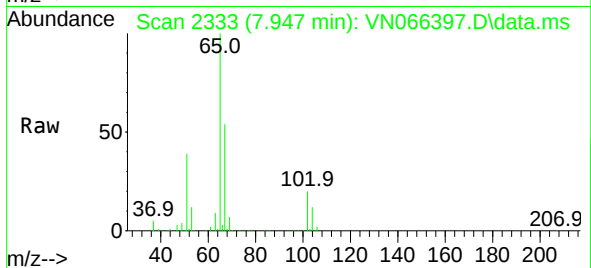
67 54.6 0.0 105.2

Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#04



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.515 min Scan# 2545

Delta R.T. 0.000 min

Lab File: VN066397.D

Acq: 30 Mar 2021 00:00

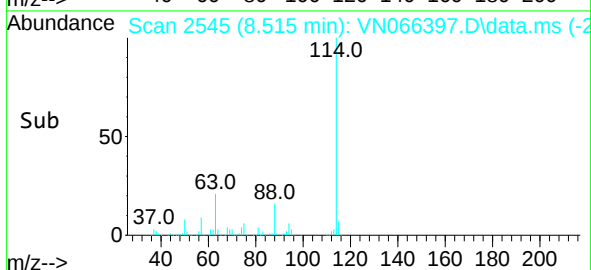
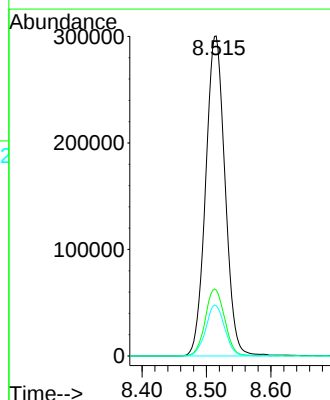
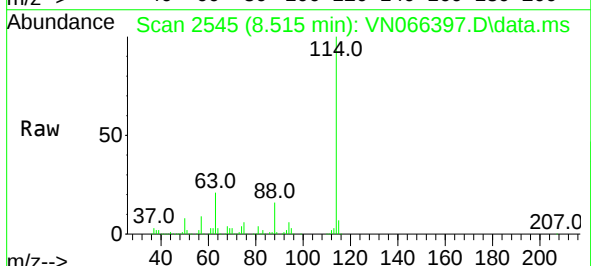
Tgt Ion: 114 Resp: 626184

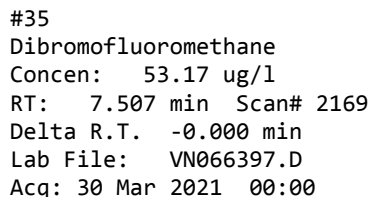
Ion Ratio Lower Upper

114 100

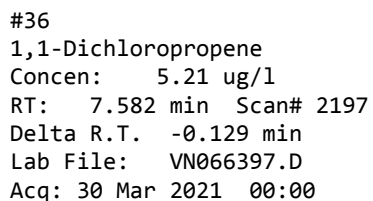
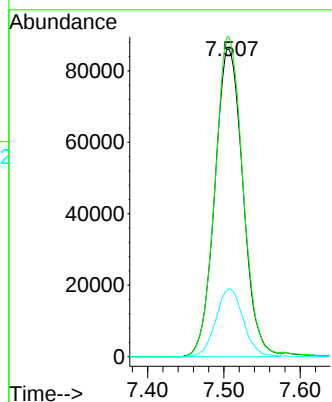
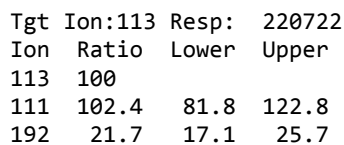
63 20.6 0.0 42.0

88 15.7 0.0 31.0

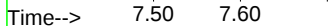
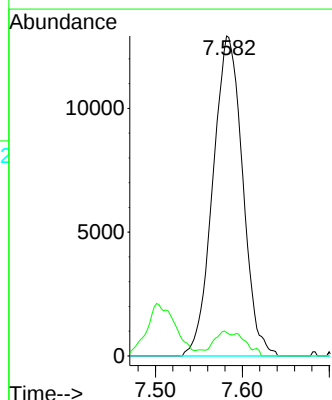


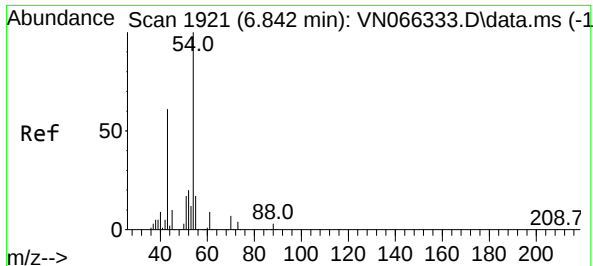


Instrument :
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Tgt	Ion: 75	Resp:	30667
Ion	Ratio	Lower	Upper
75	100		
110	3.0	18.1	54.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 1.94 ug/l

RT: 6.756 min Scan# 1889

Delta R.T. -0.086 min

Lab File: VN066397.D

Acq: 30 Mar 2021 00:00

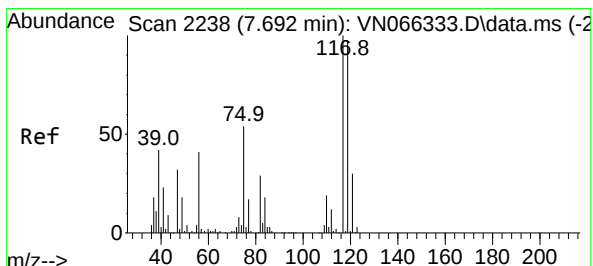
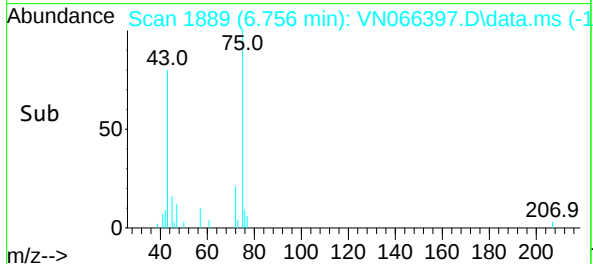
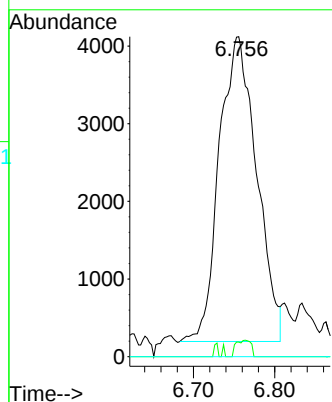
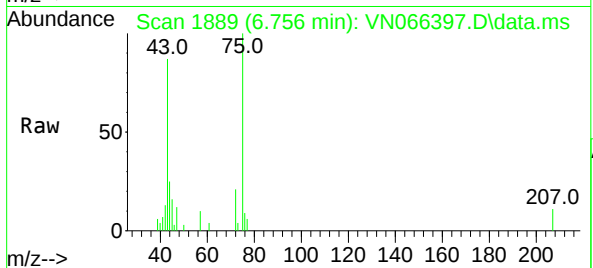
Instrument :

MSVOA_N

ClientSampleId :

PB135367ZHE#04

Tgt Ion:	43	Resp:	12546
Ion	Ratio	Lower	Upper
43	100		
61	2.2	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.22 ug/l

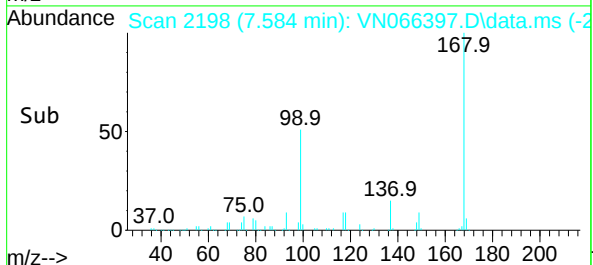
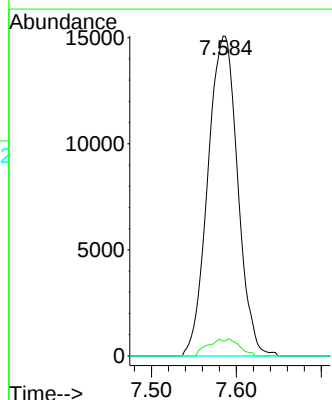
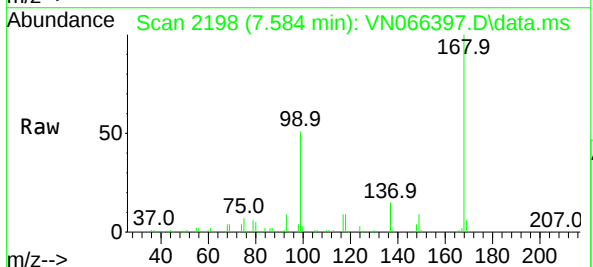
RT: 7.584 min Scan# 2198

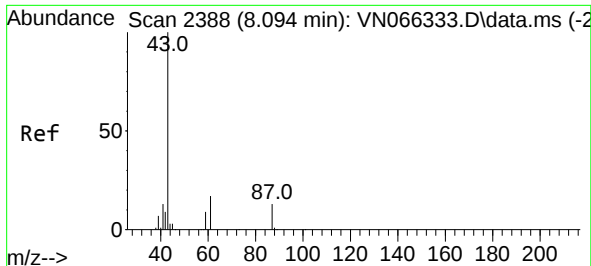
Delta R.T. -0.107 min

Lab File: VN066397.D

Acq: 30 Mar 2021 00:00

Tgt Ion:	117	Resp:	36768
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.2	115.8#
121	0.0	24.2	36.4#

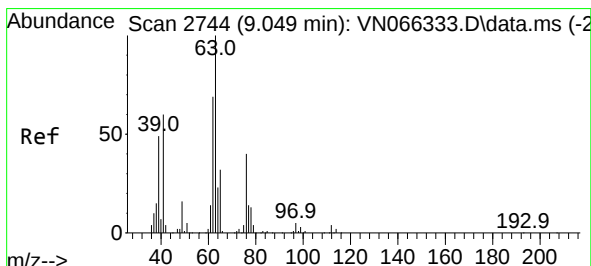
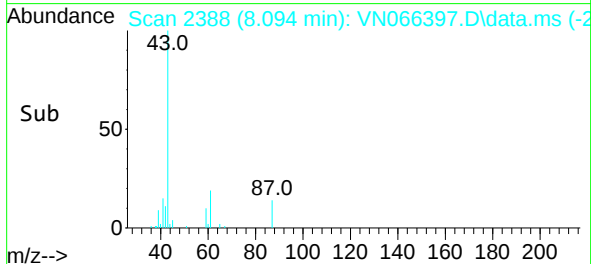
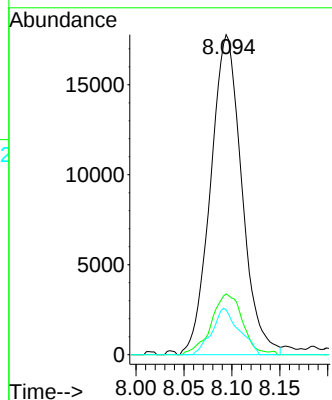
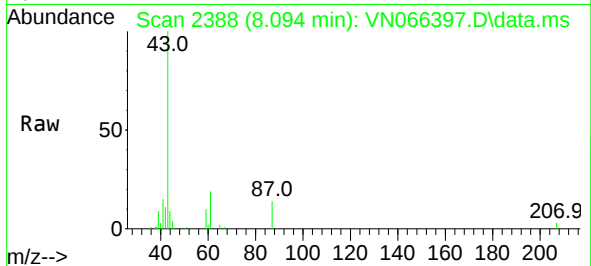




#43
Isopropyl Acetate
Concen: 3.63 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

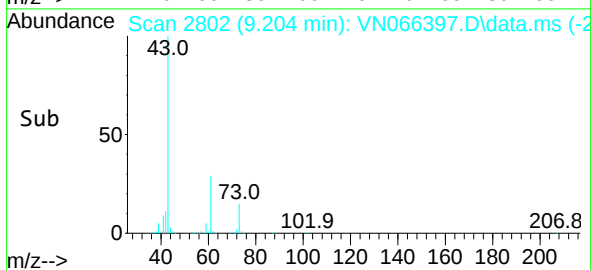
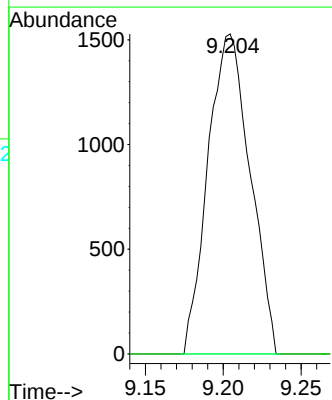
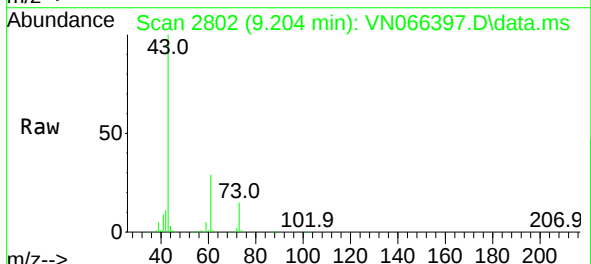
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

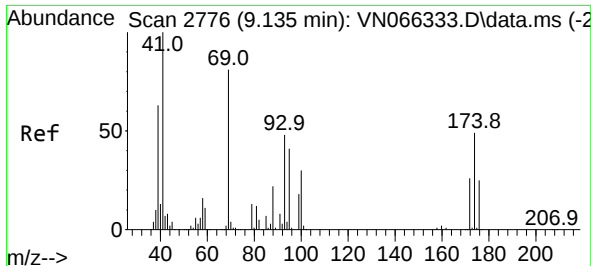
Tgt Ion:	43	Resp:	40180
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	12.5	10.5	15.7



#45
1,2-Dichloropropane
Concen: 0.61 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.155 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion:	63	Resp:	2879
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

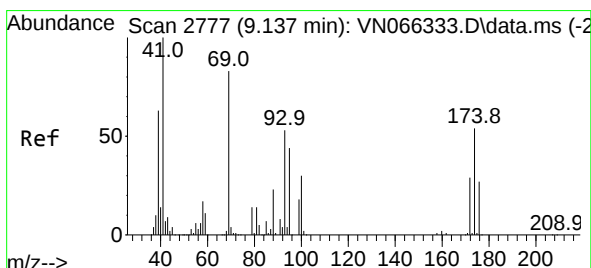
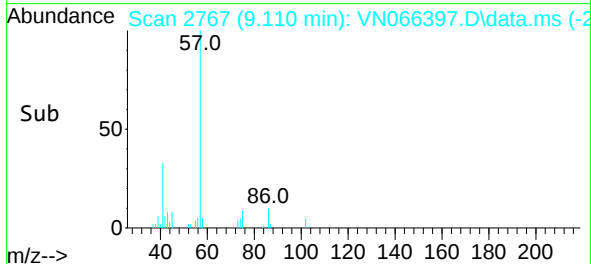
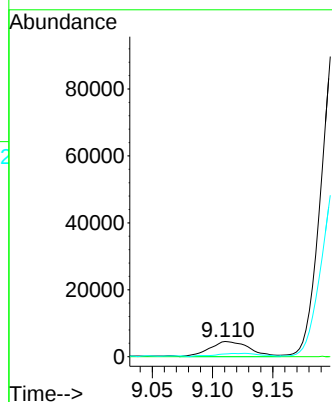
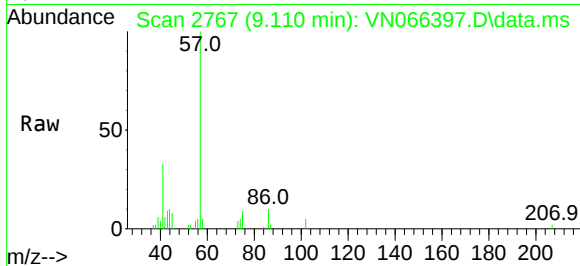




#48
Methyl methacrylate
Concen: 2.01 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

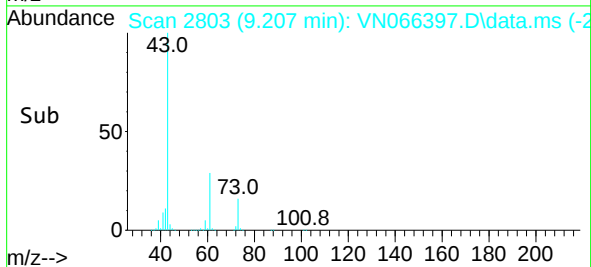
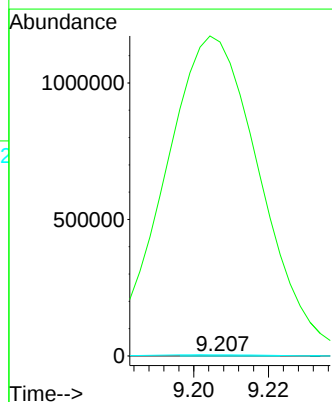
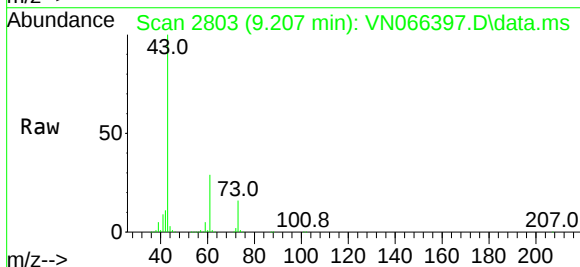
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

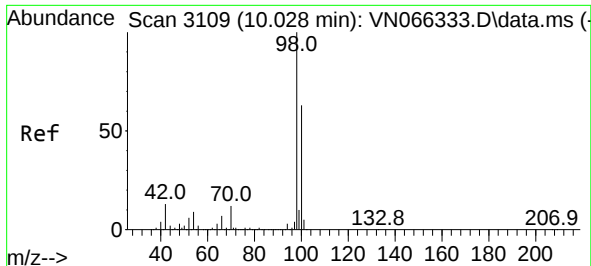
Tgt Ion: 41 Resp: 10561
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 3.32 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.070 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 973225.5 28.2 42.4#
58 4129.5 56.6 84.8#

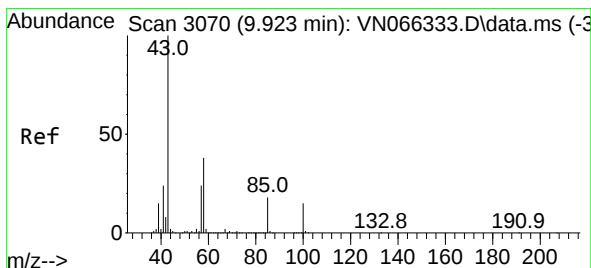
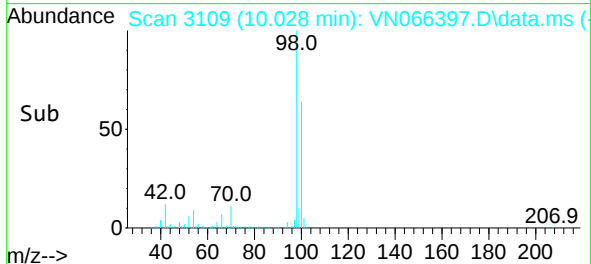
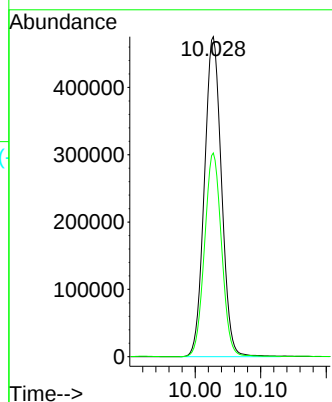
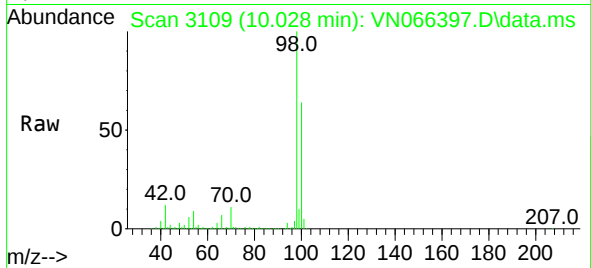




#50
Toluene-d8
Concen: 54.71 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

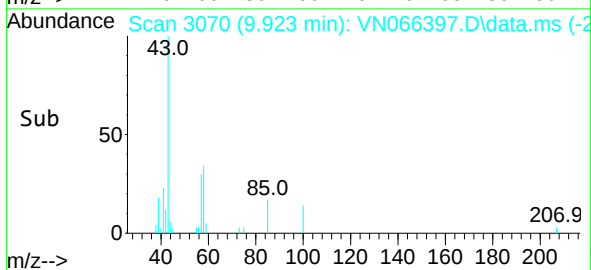
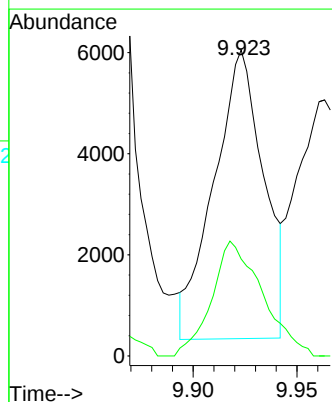
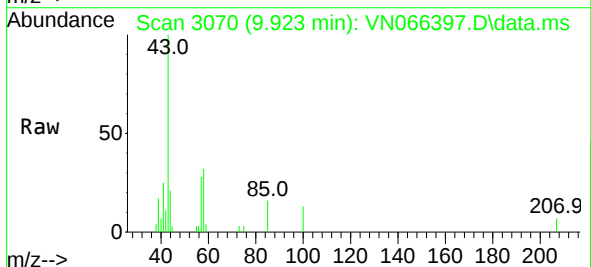
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

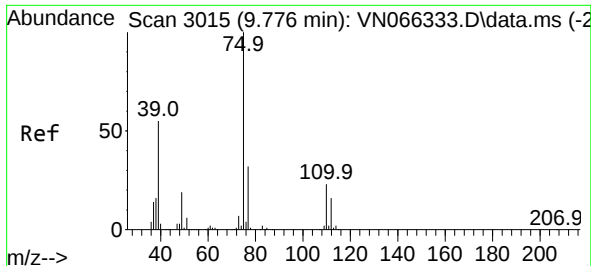
Tgt Ion: 98 Resp: 861398
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.47 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 43 Resp: 9502
Ion Ratio Lower Upper
43 100
58 40.6 30.8 46.2

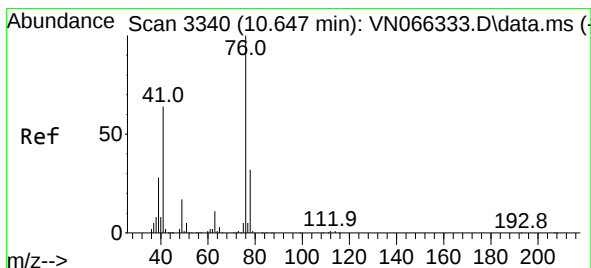
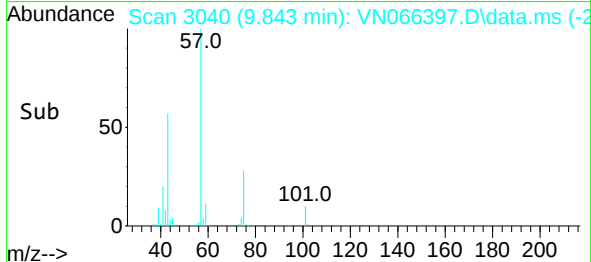
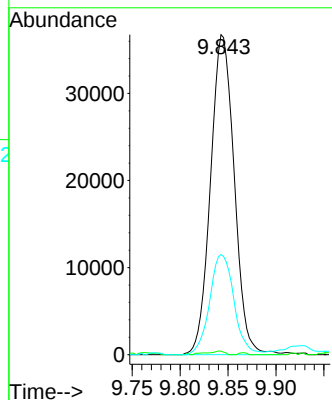
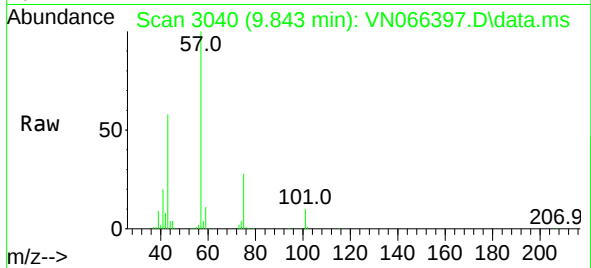




#54
 cis-1,3-Dichloropropene
 Concen: 8.45 ug/l
 RT: 9.843 min Scan# 3040
 Delta R.T. 0.067 min
 Lab File: VN066397.D
 Acq: 30 Mar 2021 00:00

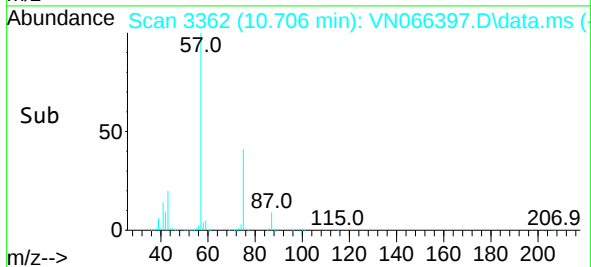
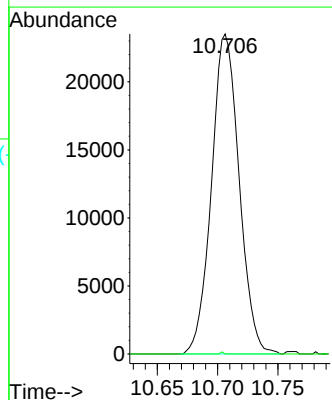
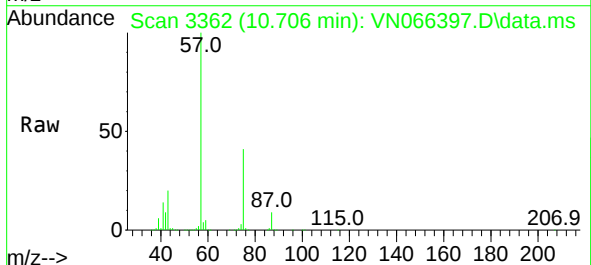
Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#04

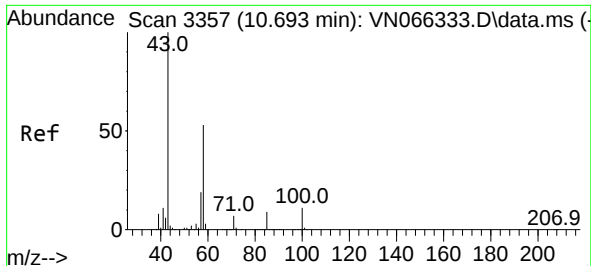
Tgt Ion: 75 Resp: 63134
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.4 38.2#
 39 31.3 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 5.16 ug/l
 RT: 10.706 min Scan# 3362
 Delta R.T. 0.059 min
 Lab File: VN066397.D
 Acq: 30 Mar 2021 00:00

Tgt Ion: 76 Resp: 37530
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.9 38.9#

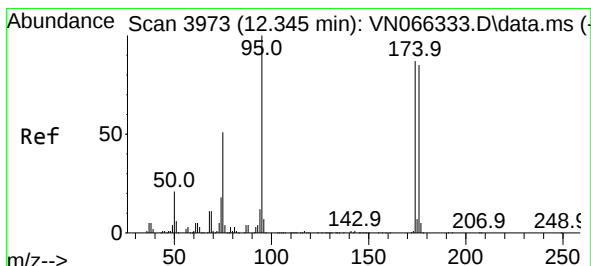
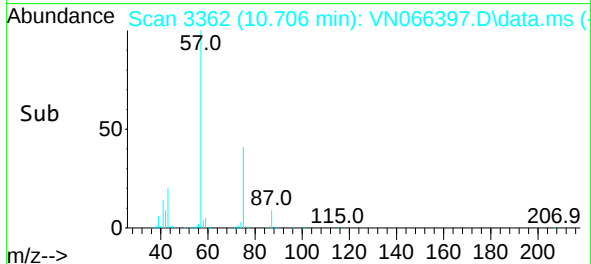
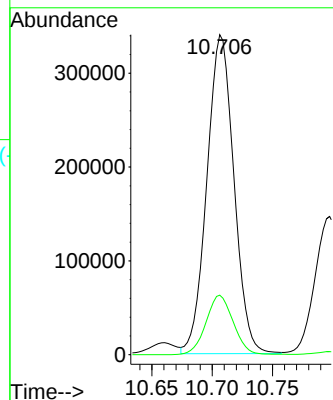
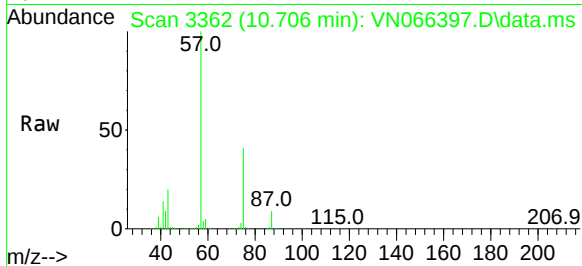




#59
2-Hexanone
Concen: 117.18 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

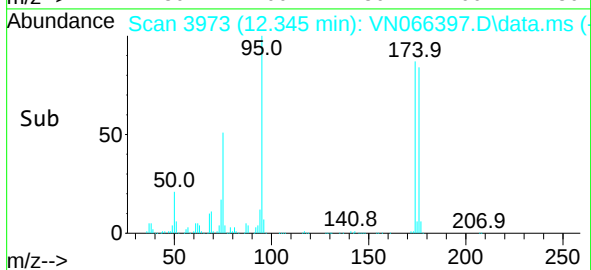
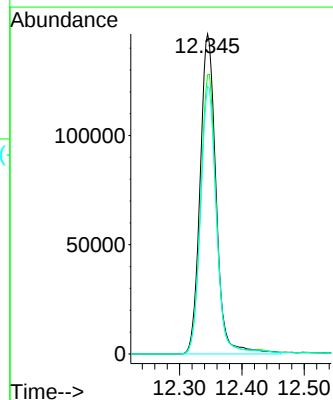
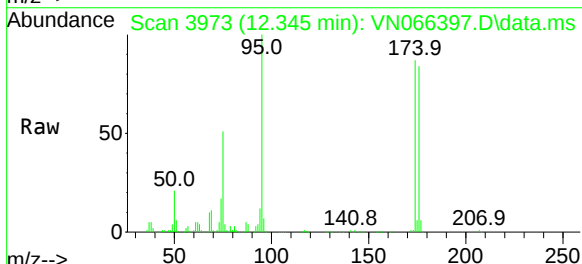
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

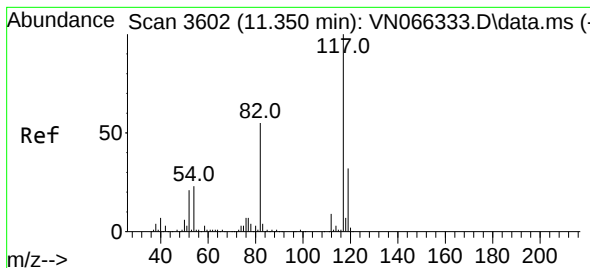
Tgt Ion: 43 Resp: 530974
Ion Ratio Lower Upper
43 100
58 18.9 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.73 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 95 Resp: 261044
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.2
176 82.2 0.0 167.8

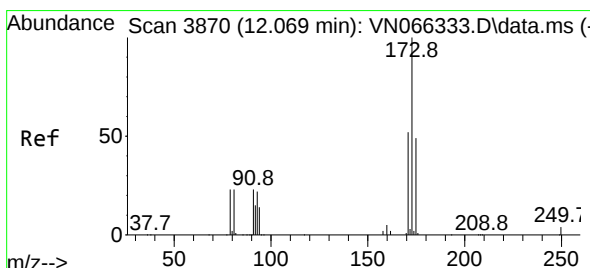
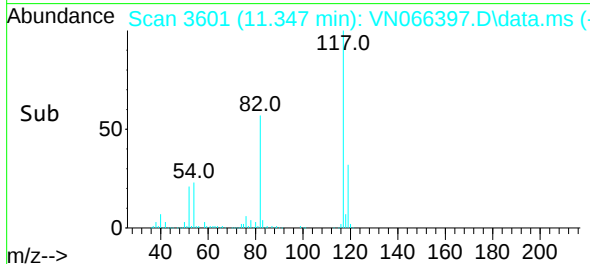
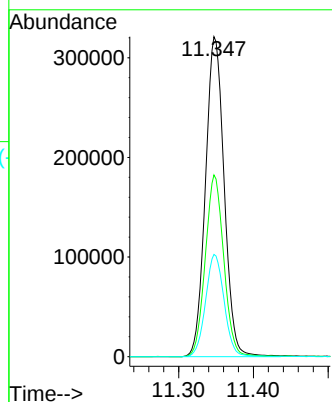
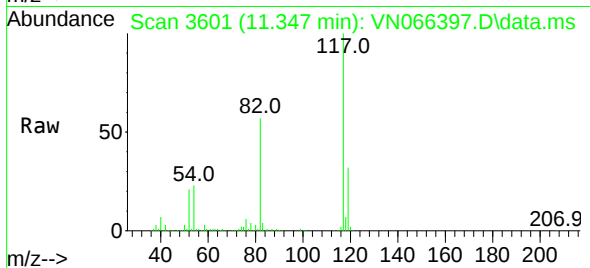




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

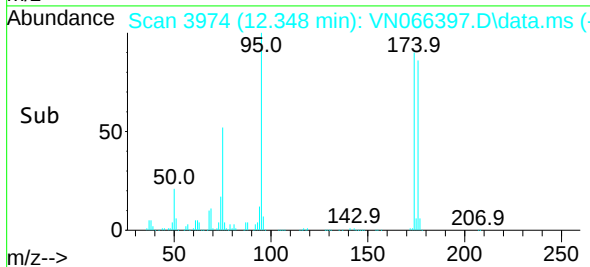
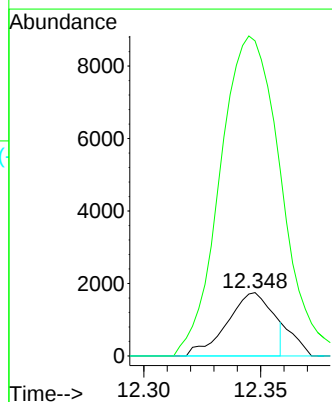
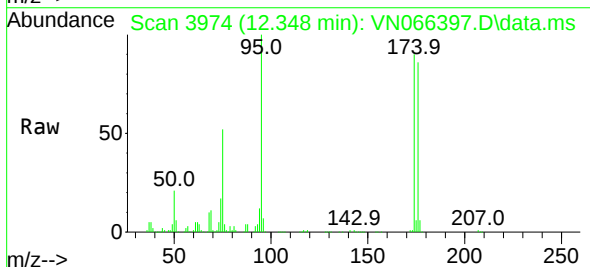
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

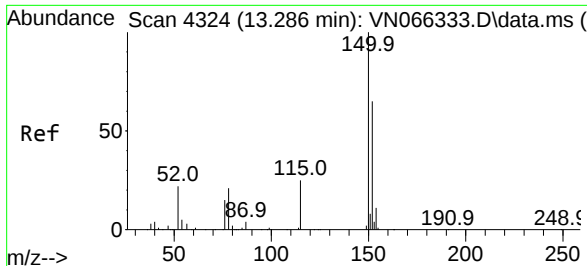
Tgt Ion:117 Resp: 558699
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.4
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.67 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.279 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion:173 Resp: 2385
Ion Ratio Lower Upper
173 100
175 587.0 24.3 72.8#
254 0.0 0.0 0.0

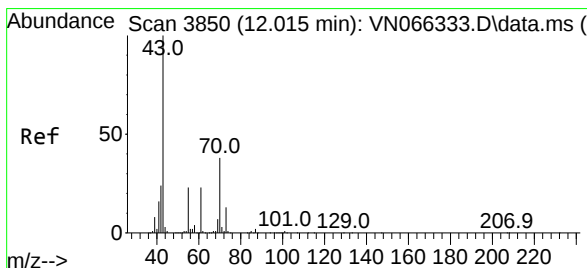
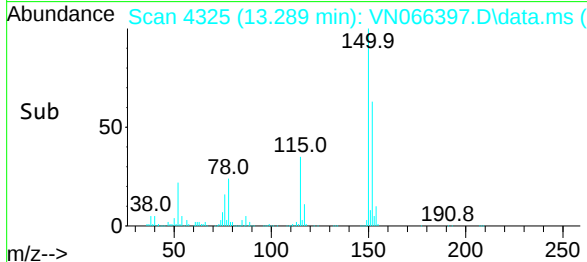
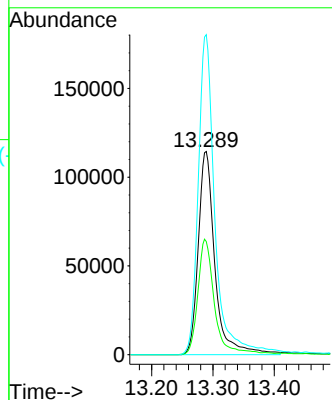
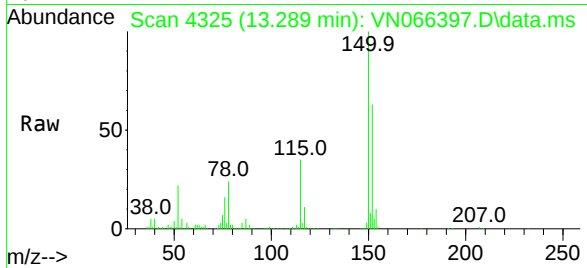




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

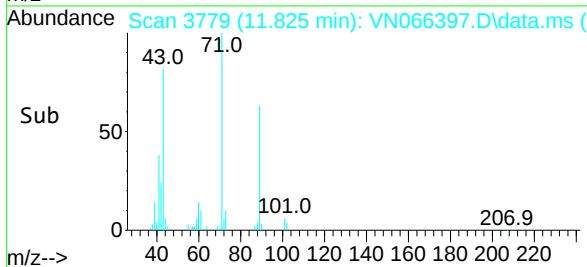
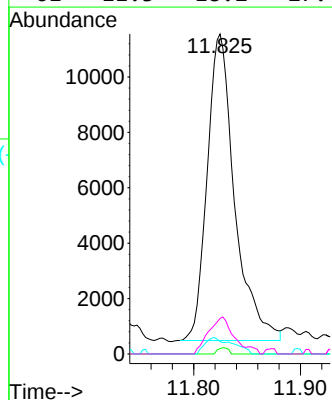
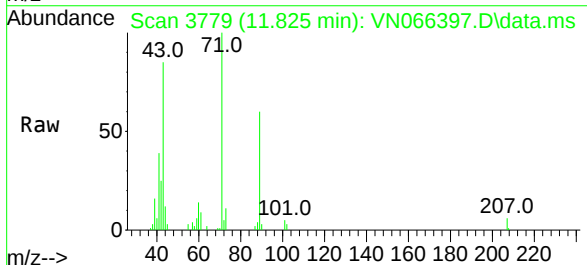
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

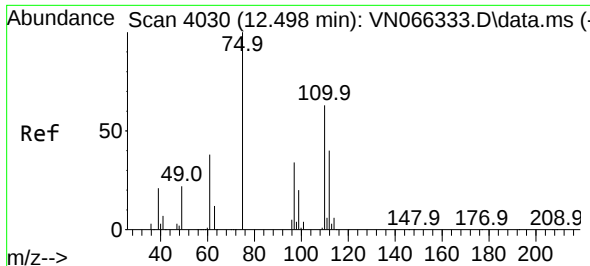
Tgt Ion:152 Resp: 217594
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 158.2 0.0 348.4



#74
N-ethyl acetate
Concen: 6.10 ug/l
RT: 11.825 min Scan# 3779
Delta R.T. -0.190 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 43 Resp: 19790
Ion Ratio Lower Upper
43 100
70 0.8 31.2 46.8#
55 5.4 18.6 28.0#
61 11.3 18.2 27.4#

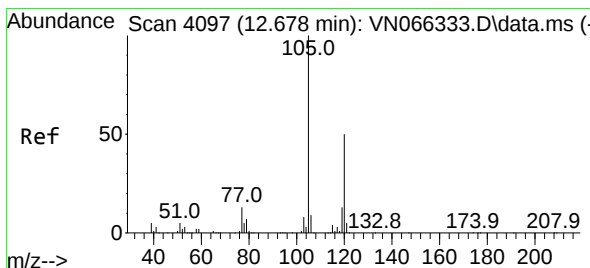
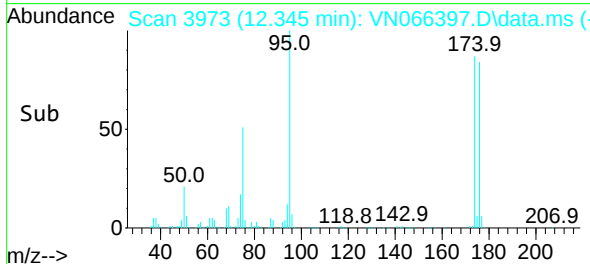
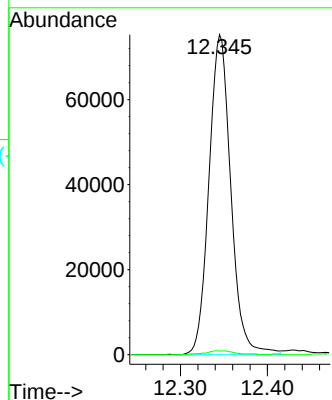
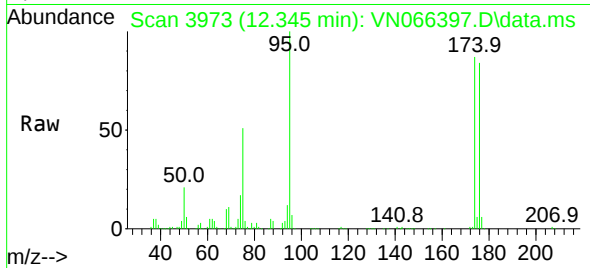




#76
1,2,3-Trichloropropane
Concen: 27.54 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

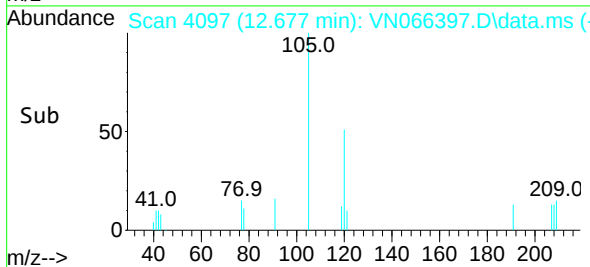
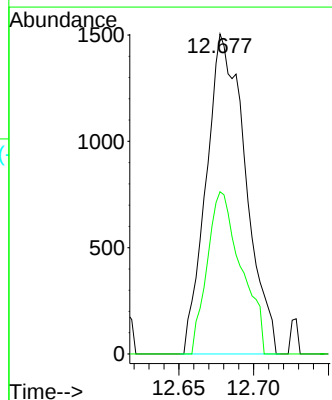
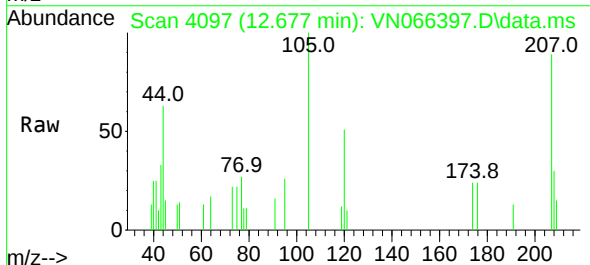
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

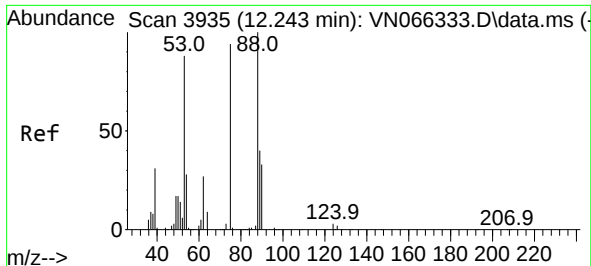
Tgt Ion: 75 Resp: 131504
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 12.677 min Scan# 4097
Delta R.T. -0.000 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion:105 Resp: 2750
Ion Ratio Lower Upper
105 100
120 44.0 24.5 73.5

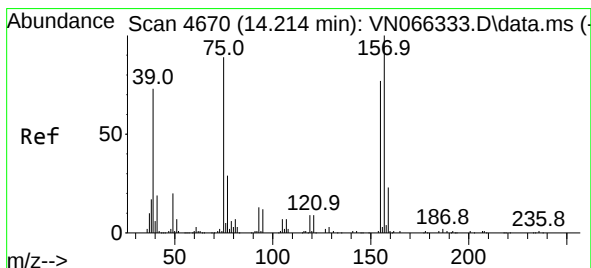
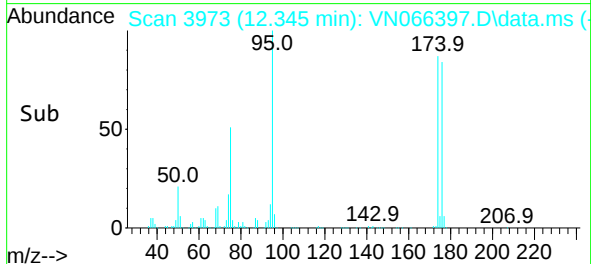
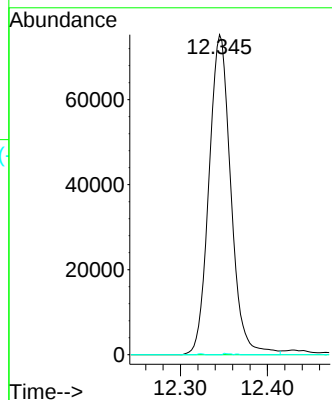
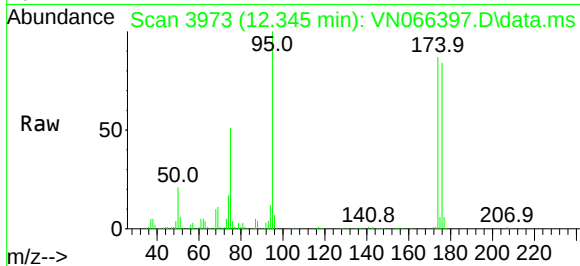




#81
trans-1,4-Dichloro-2-butene
Concen: 82.83 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

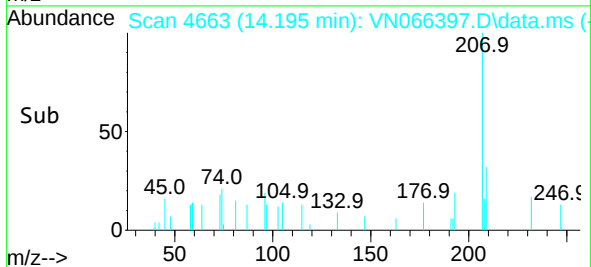
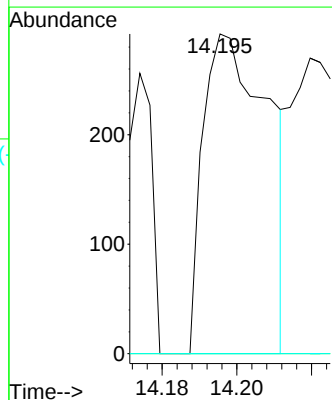
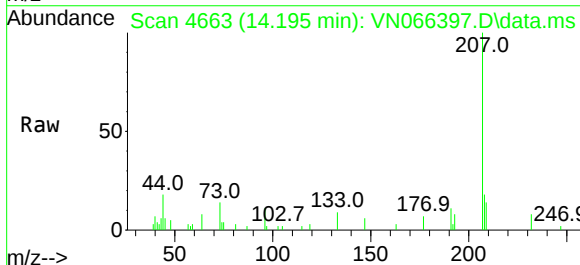
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

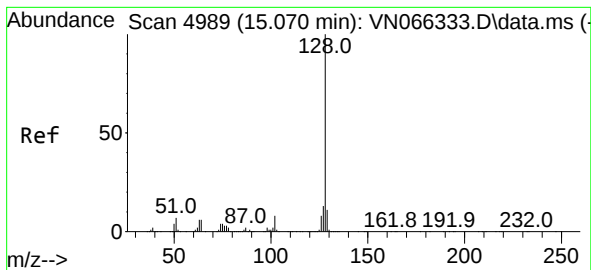
Tgt Ion: 75 Resp: 131504
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.1 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.36 ug/l
RT: 14.195 min Scan# 4663
Delta R.T. -0.019 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Tgt Ion: 75 Resp: 353
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#





#95
Naphthalene
Concen: 1.23 ug/l
RT: 15.083 min Scan# 4994
Delta R.T. 0.013 min
Lab File: VN066397.D
Acq: 30 Mar 2021 00:00

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#04

Tgt Ion:128	Resp:	2294
Ion Ratio	Lower	Upper
128	100	
127	1.2	10.5 15.7#
129	0.0	8.5 12.7#

