

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066395.D
 Acq On : 29 Mar 2021 23:13
 Operator : JC/MD
 Sample : PB135367ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#02

Quant Time: Mar 30 07:06:17 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)

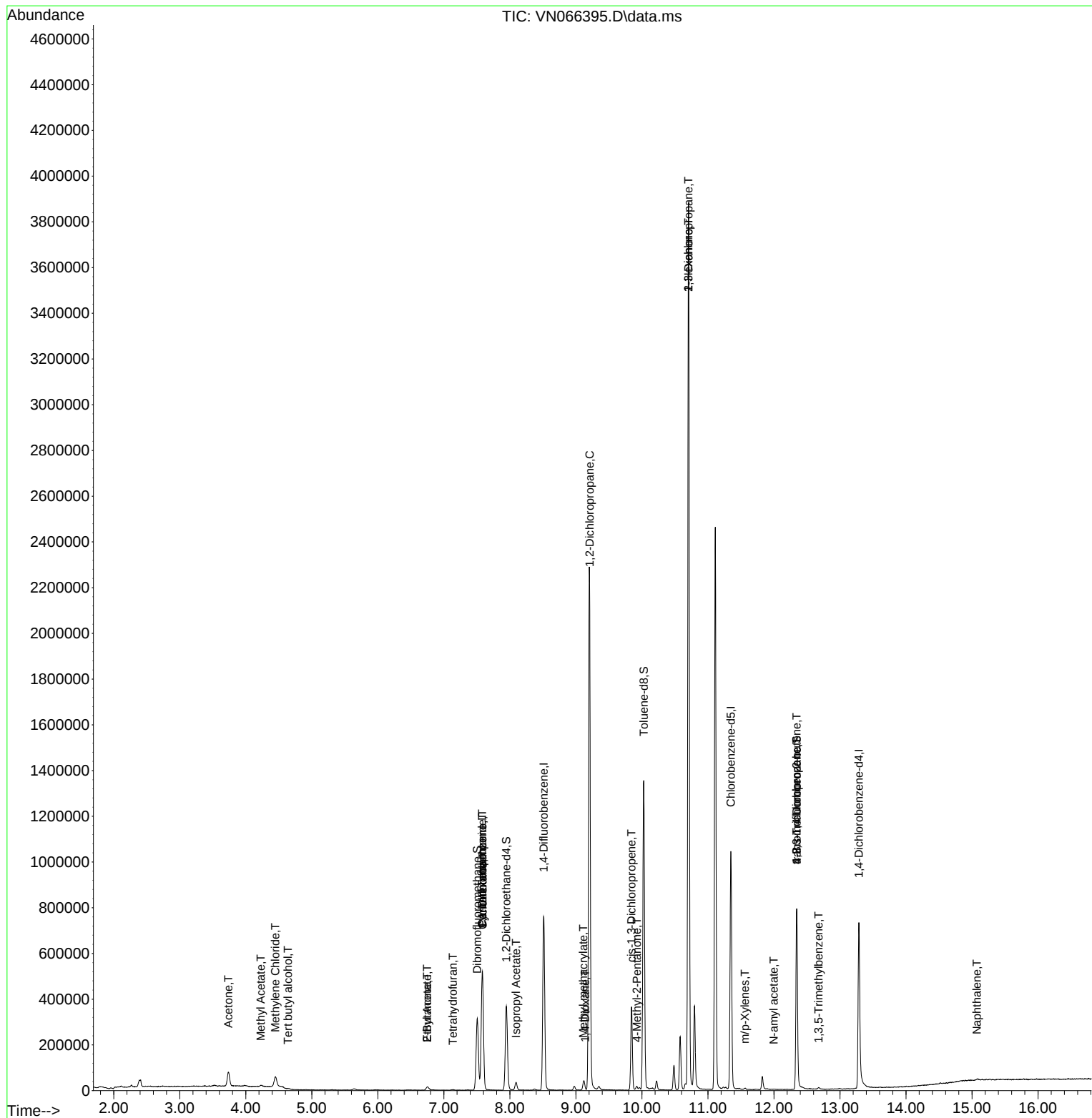
Internal Standards						
1) Pentafluorobenzene	7.584	168	439008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	674565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	595012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	232940	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	307118	52.62	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.24%			
35) Dibromofluoromethane	7.507	113	237886	53.20	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.40%			
50) Toluene-d8	10.028	98	921802	54.35	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.70%			
62) 4-Bromofluorobenzene	12.345	95	267070	45.33	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.66%			
Target Compounds						Qvalue
3) Chloromethane	2.014	50	2890	Below Cal		89
11) Tert butyl alcohol	4.640	59	4263	4.79 ug/l #		85
13) Acrolein	3.532	56	3385	Below Cal		97
16) Acetone	3.736	43	99875	31.68 ug/l		97
18) Methyl Acetate	4.229	43	9059	1.10 ug/l		94
20) Methylene Chloride	4.449	84	27473	3.70 ug/l		97
25) 2-Butanone	6.748	43	14486	4.20 ug/l		100
29) Tetrahydrofuran	7.137	42	1878	0.84 ug/l #		81
31) Cyclohexane	7.587	56	9215	1.14 ug/l #		1
36) 1,1-Dichloropropene	7.582	75	32326	5.10 ug/l #		48
37) Ethyl Acetate	6.748	43	14486	2.08 ug/l #		71
38) Carbon Tetrachloride	7.582	117	40001	6.28 ug/l #		17
43) Isopropyl Acetate	8.094	43	41931	3.52 ug/l		98
45) 1,2-Dichloropropane	9.210	63	2874	0.56 ug/l #		43
48) Methyl methacrylate	9.110	41	10067	1.77 ug/l #		12
49) 1,4-Dioxane	9.140	88	52	0.73 ug/l #		1
51) 4-Methyl-2-Pentanone	9.923	43	11361	1.63 ug/l		91
54) cis-1,3-Dichloropropene	9.843	75	65660	8.16 ug/l #		58
57) 1,3-Dichloropropane	10.706	76	38505	4.91 ug/l #		42
59) 2-Hexanone	10.706	43	553897	113.47 ug/l #		51
68) m/p-Xylenes	11.559	106	1871	0.23 ug/l		87
74) N-amyl acetate	11.996	43	599	3.28 ug/l #		53
76) 1,2,3-Trichloropropane	12.345	75	141043	27.59 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.675	105	3272	0.23 ug/l		92
81) trans-1,4-Dichloro-2-b...	12.345	75	141043	82.98 ug/l #		12
95) Naphthalene	15.075	128	2080	1.20 ug/l		98

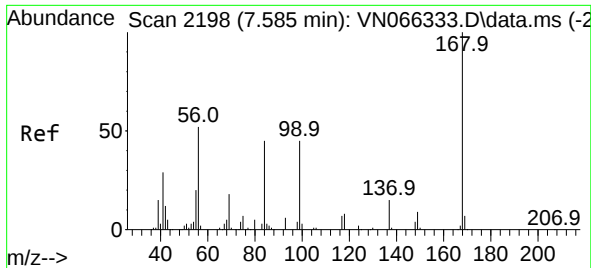
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
Data File : VN066395.D
Acq On : 29 Mar 2021 23:13
Operator : JC/MD
Sample : PB135367ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

Quant Time: Mar 30 07:06:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration

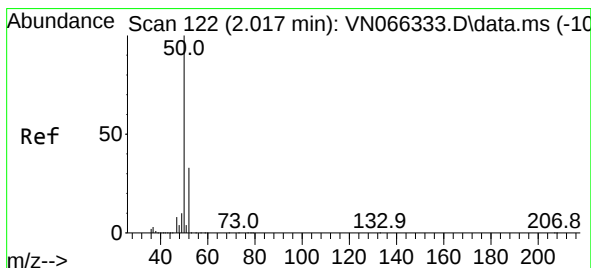
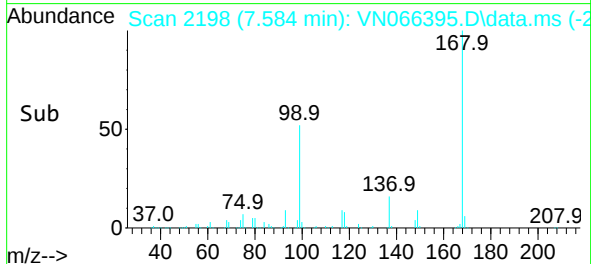
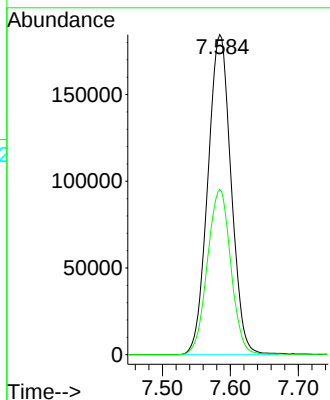
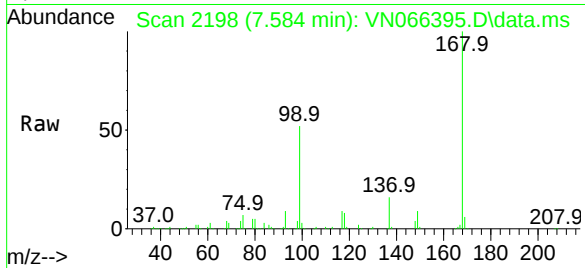




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

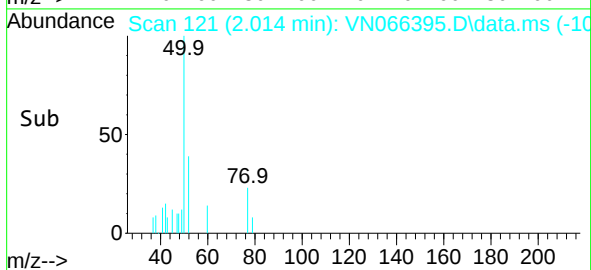
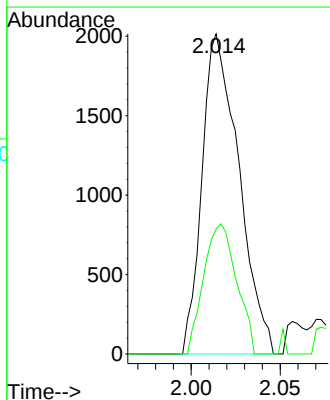
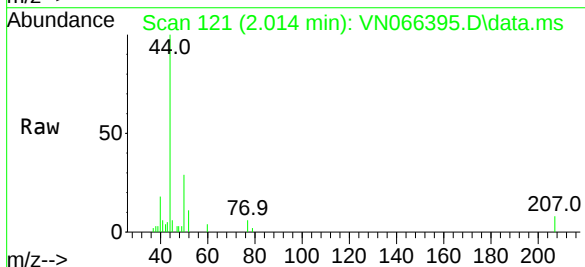
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

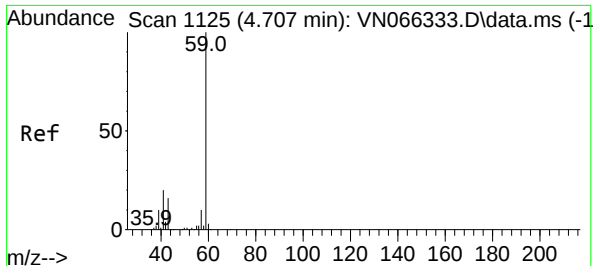
Tgt Ion:168 Resp: 439008
Ion Ratio Lower Upper
168 100
99 51.7 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 50 Resp: 2890
Ion Ratio Lower Upper
50 100
52 39.1 26.2 39.2



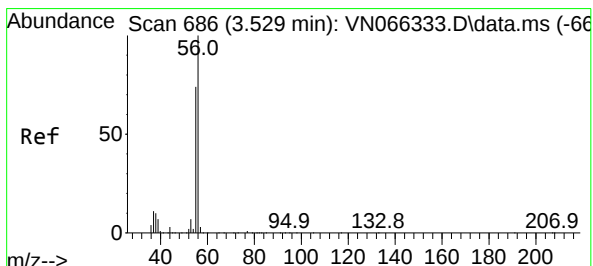
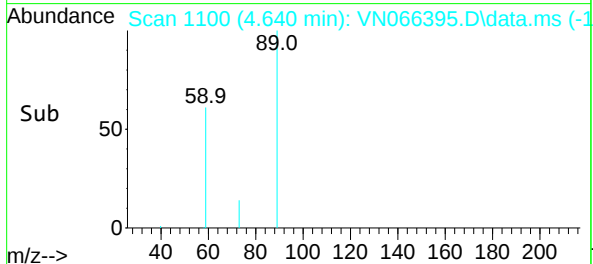
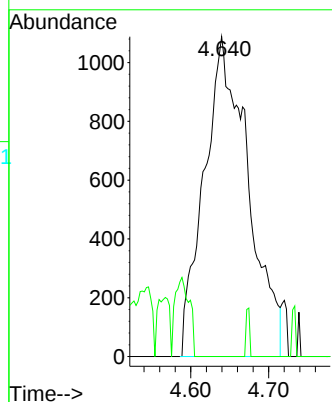
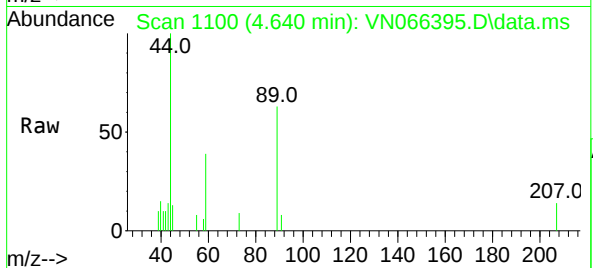


#11

Tert butyl alcohol
Concen: 4.79 ug/l
RT: 4.640 min Scan# 1100
Delta R.T. -0.067 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

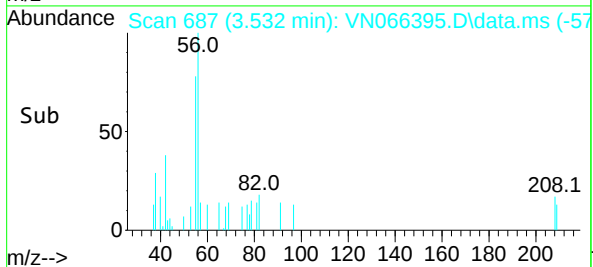
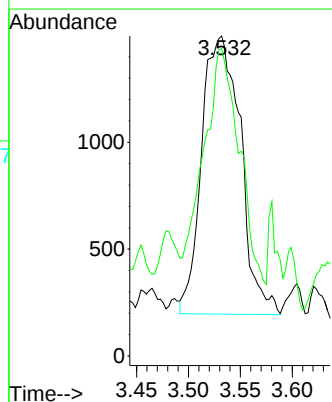
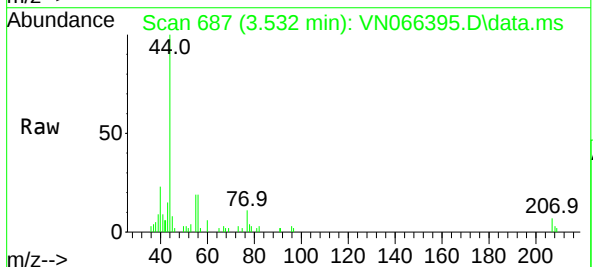
Tgt Ion: 59 Resp: 4263
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

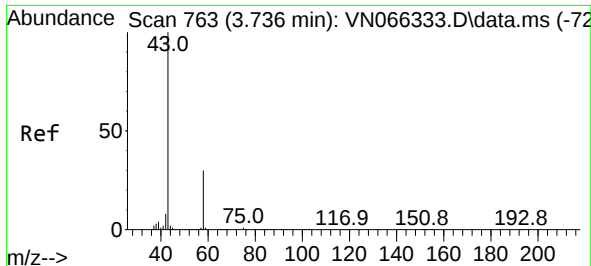


#13

Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 56 Resp: 3385
Ion Ratio Lower Upper
56 100
55 75.2 57.9 86.9

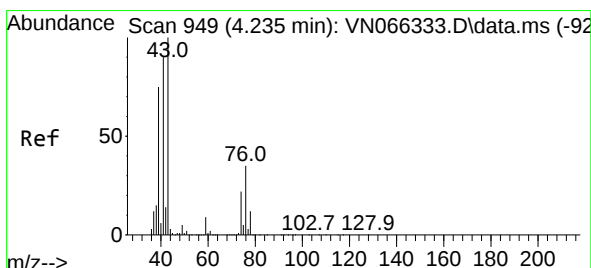
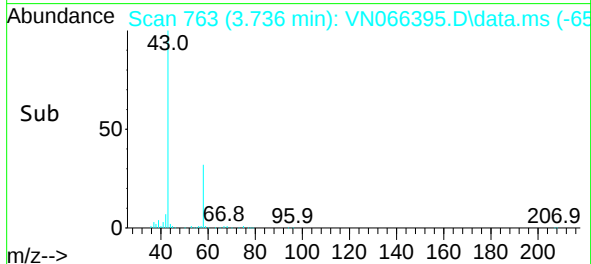
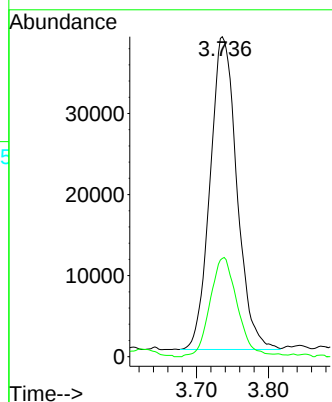
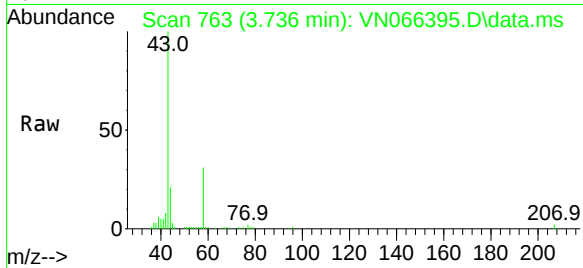




#16
Acetone
Concen: 31.68 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

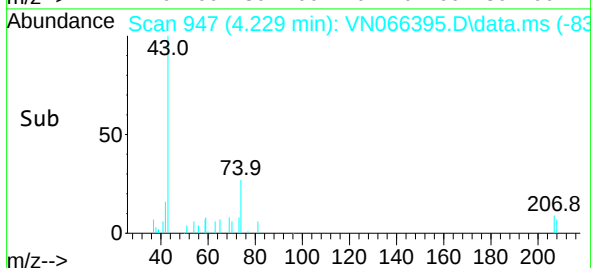
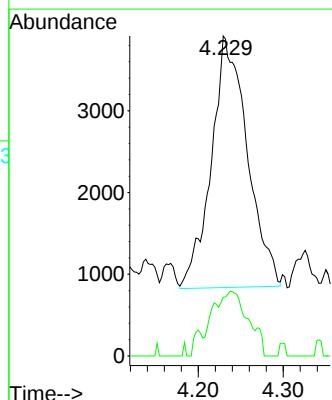
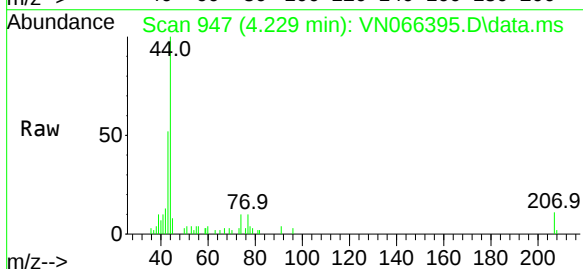
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

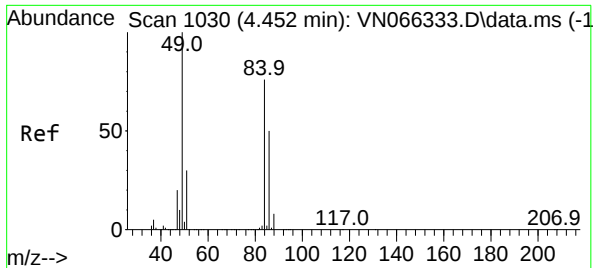
Tgt Ion: 43 Resp: 99875
Ion Ratio Lower Upper
43 100
58 31.4 23.8 35.8



#18
Methyl Acetate
Concen: 1.10 ug/l
RT: 4.229 min Scan# 947
Delta R.T. -0.005 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

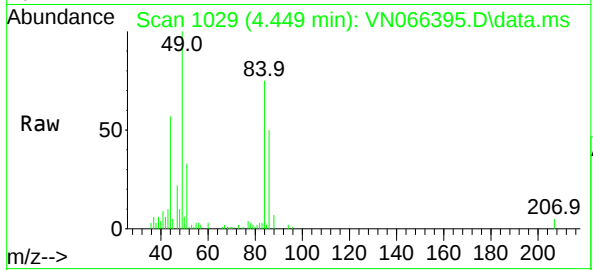
Tgt Ion: 43 Resp: 9059
Ion Ratio Lower Upper
43 100
74 25.0 17.6 26.4



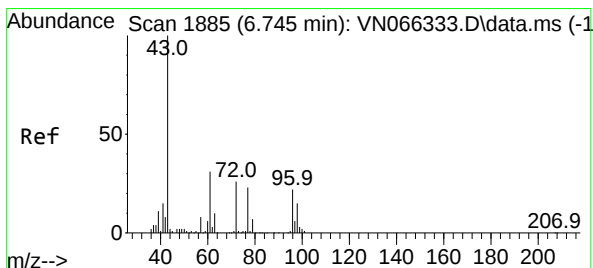
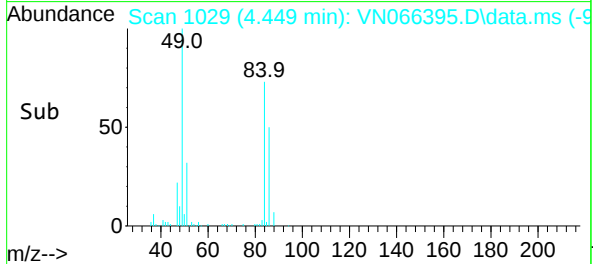
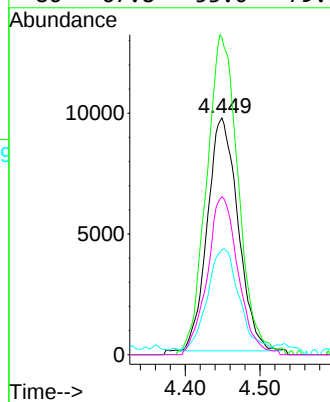


#20
Methylene Chloride
Concen: 3.70 ug/l
RT: 4.449 min Scan# 1029
Delta R.T. -0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

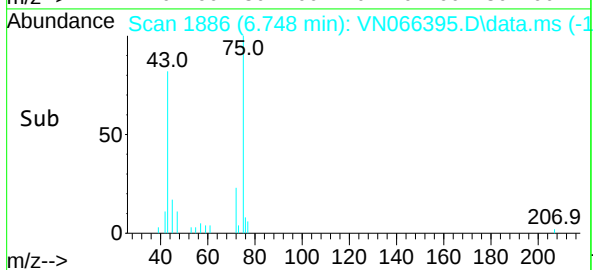
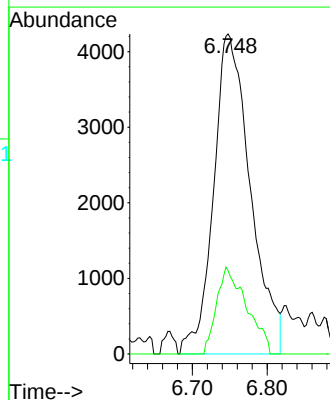
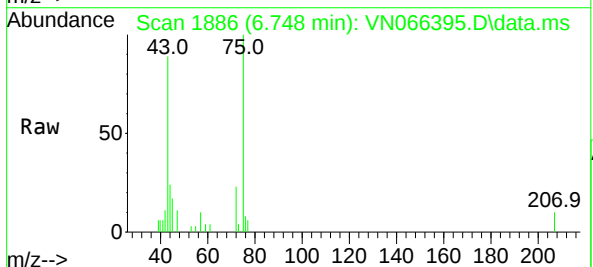


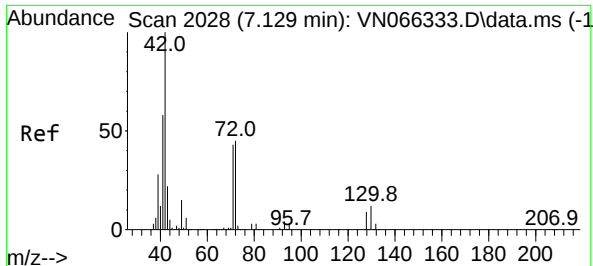
Tgt Ion:	84	Resp:	27473
Ion	Ratio	Lower	Upper
84	100		
49	134.3	105.0	157.6
51	42.9	31.6	47.4
86	67.8	53.0	79.6



#25
2-Butanone
Concen: 4.20 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. 0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion:	43	Resp:	14486
Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.7	31.1

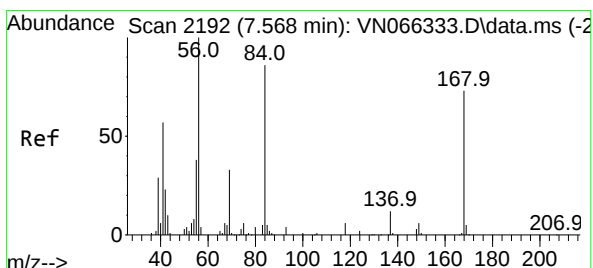
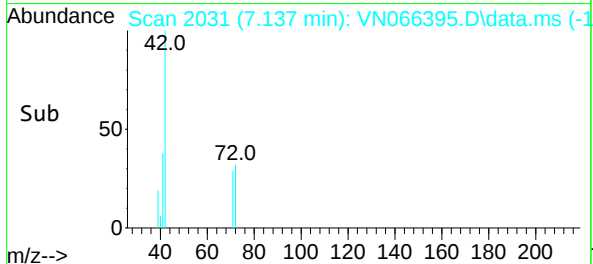
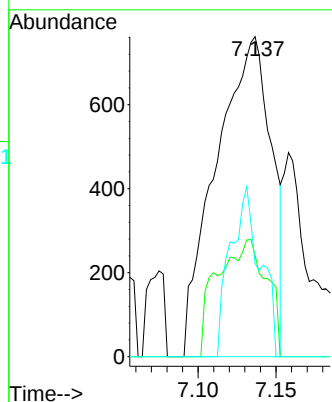
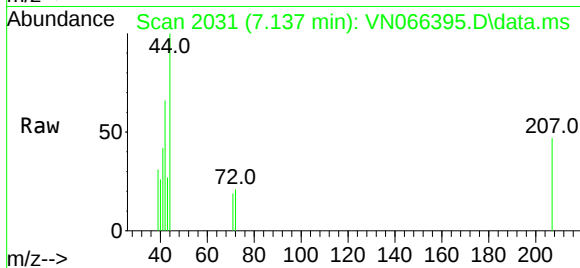




#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 7.137 min Scan# 2031
Delta R.T. 0.008 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

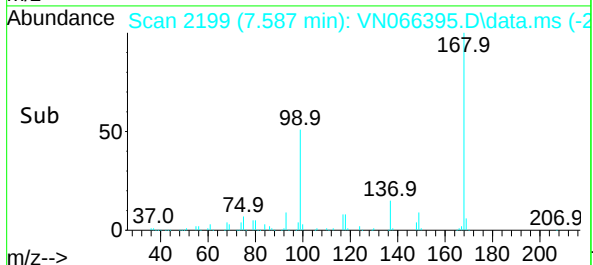
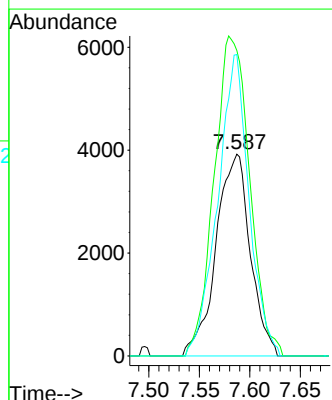
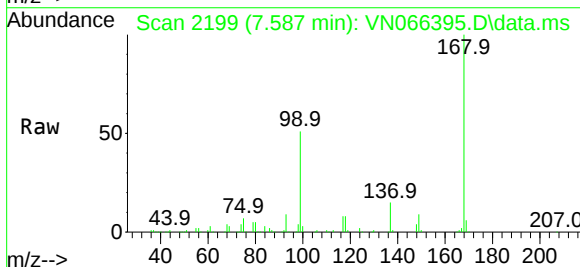
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

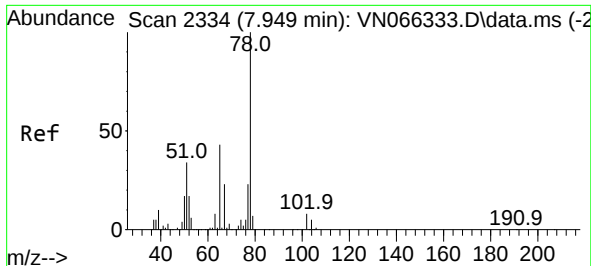
Tgt Ion:	42	Resp:	1878
Ion	Ratio	Lower	Upper
42	100		
72	32.6	35.2	52.8#
71	28.6	33.1	49.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.019 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion:	56	Resp:	9215
Ion	Ratio	Lower	Upper
56	100		
69	151.4	26.6	40.0#
84	149.4	68.7	103.1#

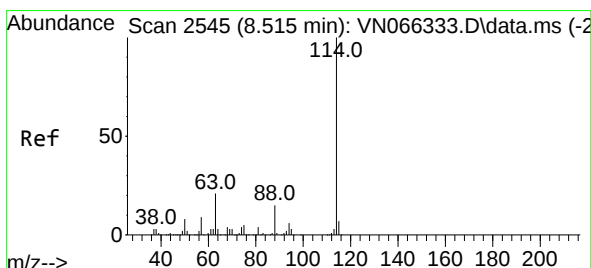
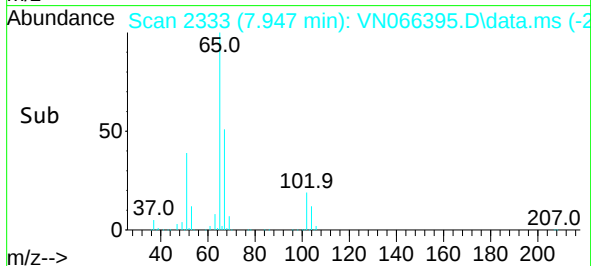
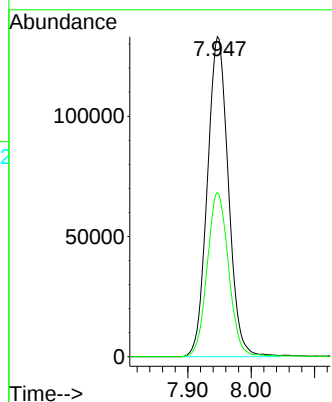
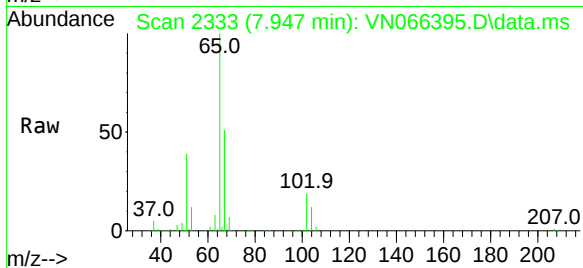




#33
 1,2-Dichloroethane-d4
 Concen: 52.62 ug/l
 RT: 7.947 min Scan# 2333
 Delta R.T. -0.002 min
 Lab File: VN066395.D
 Acq: 29 Mar 2021 23:13

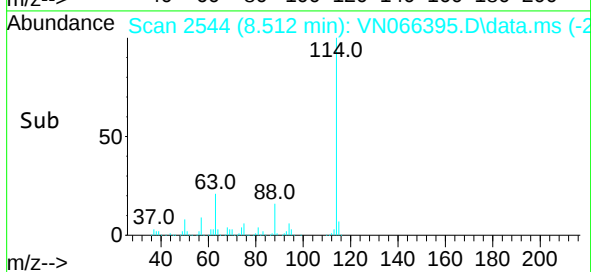
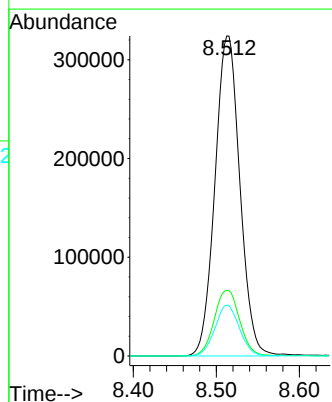
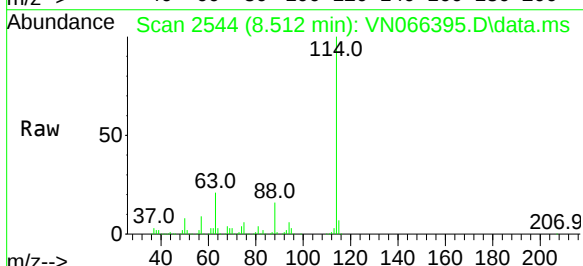
Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#02

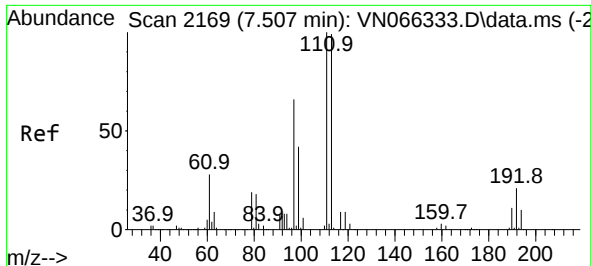
Tgt Ion: 65 Resp: 307118
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2544
 Delta R.T. -0.003 min
 Lab File: VN066395.D
 Acq: 29 Mar 2021 23:13

Tgt Ion: 114 Resp: 674565
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 15.9 0.0 31.0

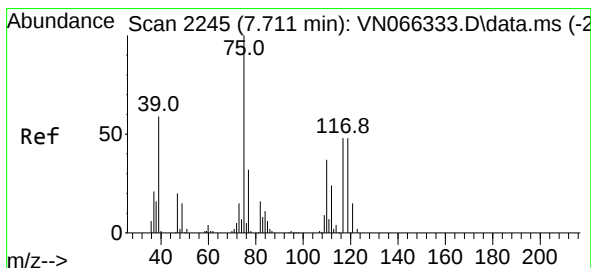
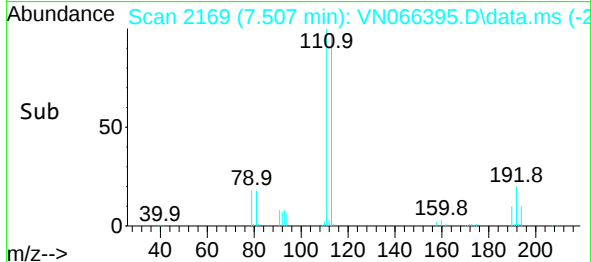
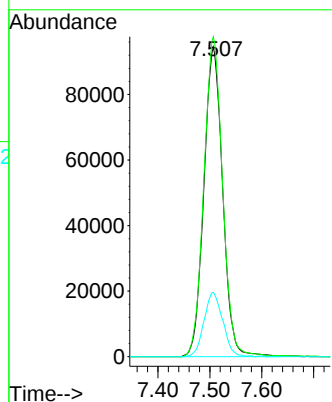
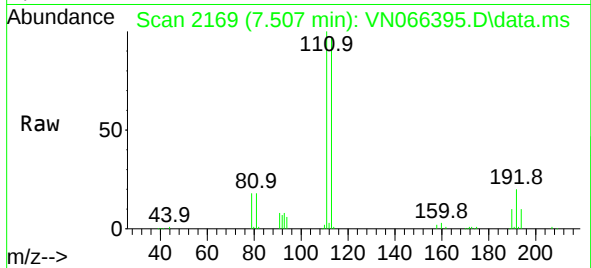




#35
Dibromofluoromethane
Concen: 53.20 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

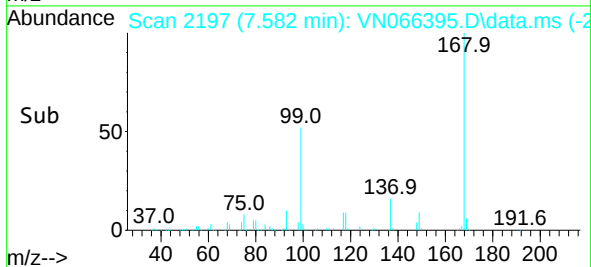
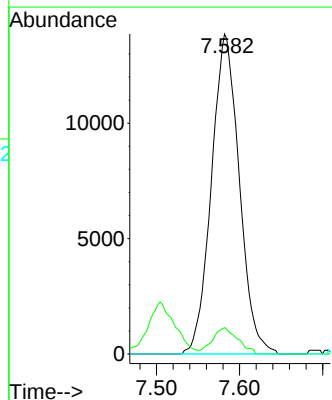
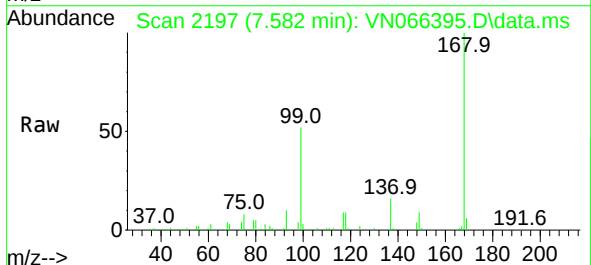
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

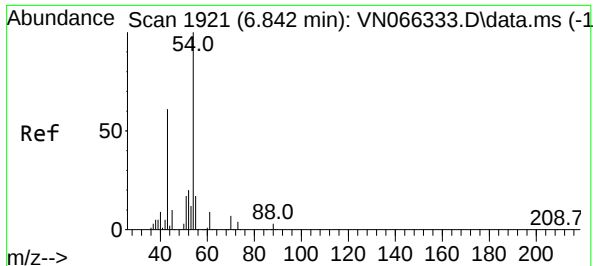
Tgt Ion:113 Resp: 237886
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 20.6 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.10 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 75 Resp: 32326
Ion Ratio Lower Upper
75 100
110 7.4 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.08 ug/l

RT: 6.748 min Scan# 1886

Delta R.T. -0.094 min

Lab File: VN066395.D

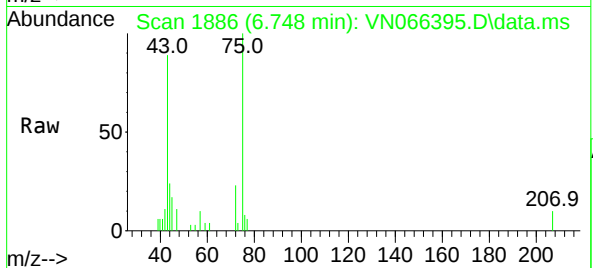
Acq: 29 Mar 2021 23:13

Instrument :

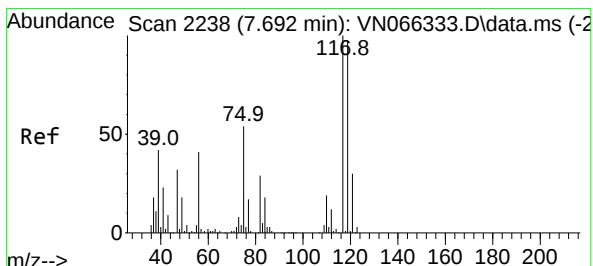
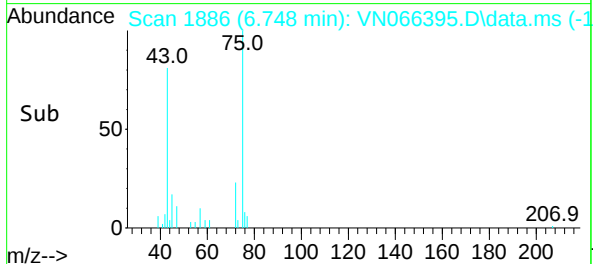
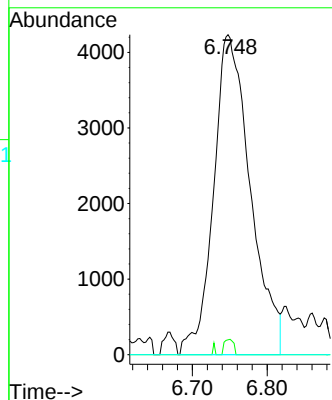
MSVOA_N

ClientSampleId :

PB135367ZHE#02



Tgt Ion: 43	Resp: 14486
Ion Ratio	Lower Upper
43	100
61	1.2 11.1 16.7#
70	0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 6.28 ug/l

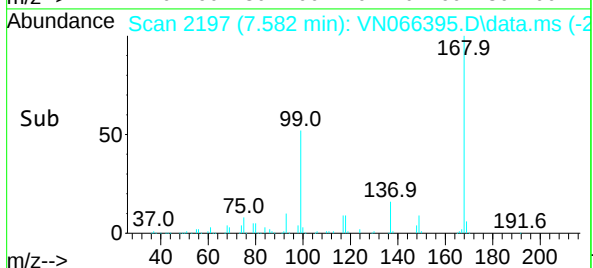
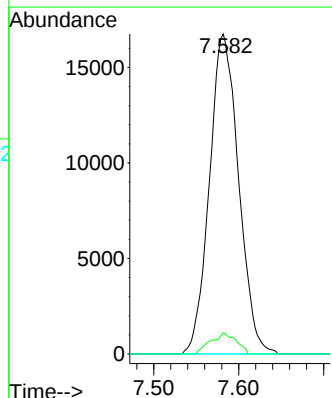
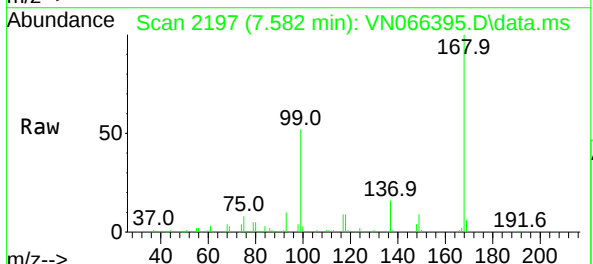
RT: 7.582 min Scan# 2197

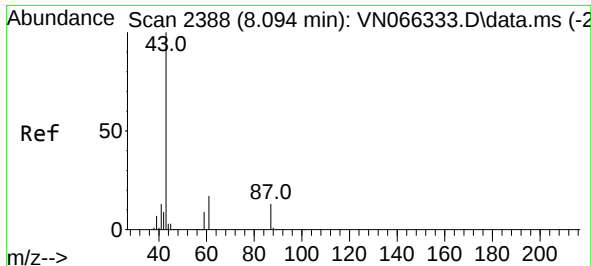
Delta R.T. -0.110 min

Lab File: VN066395.D

Acq: 29 Mar 2021 23:13

Tgt Ion: 117	Resp: 40001
Ion Ratio	Lower Upper
117	100
119	6.6 77.2 115.8#
121	0.0 24.2 36.4#

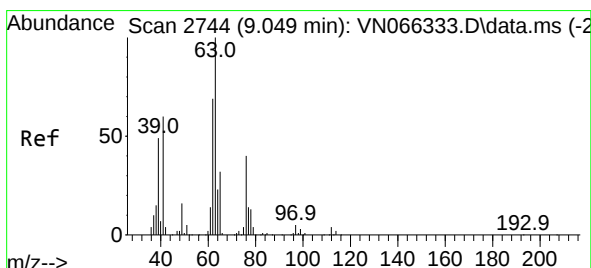
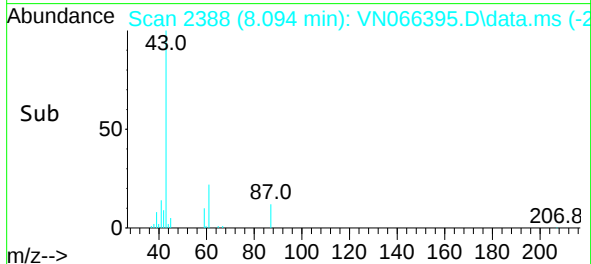
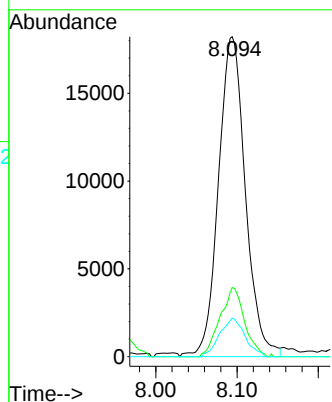
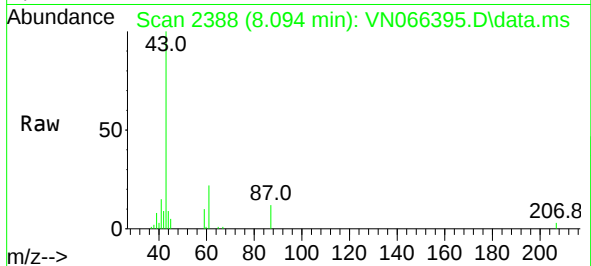




#43
Isopropyl Acetate
Concen: 3.52 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

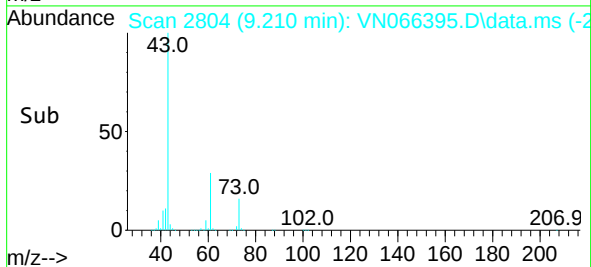
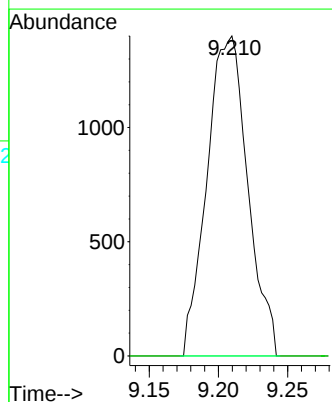
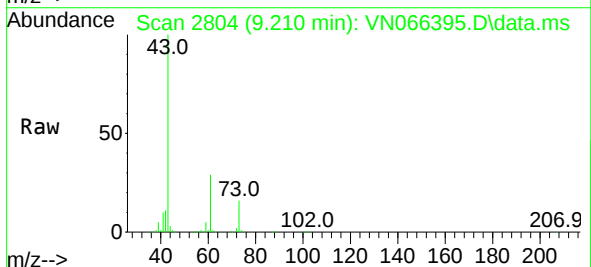
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

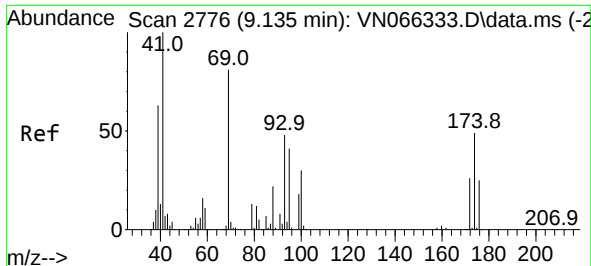
Tgt Ion:	43	Resp:	41931
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	11.3	10.5	15.7



#45
1,2-Dichloropropane
Concen: 0.56 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.161 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

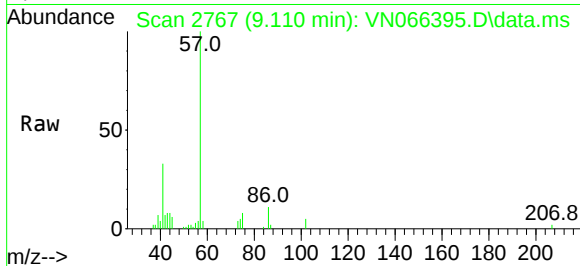
Tgt Ion:	63	Resp:	2874
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#



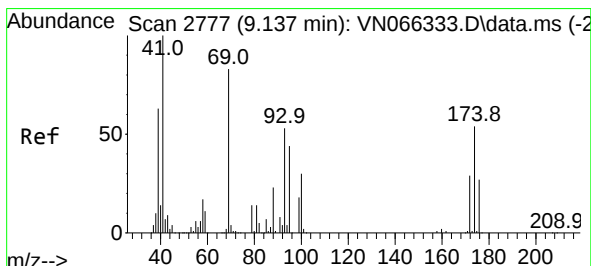
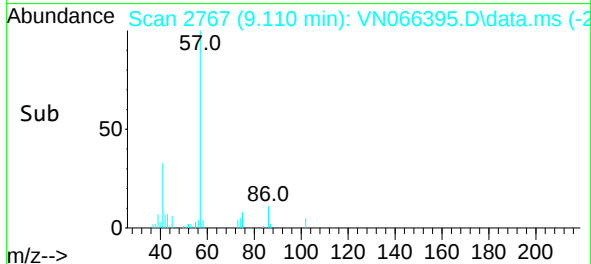
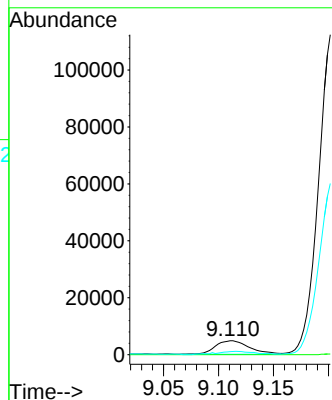


#48
Methyl methacrylate
Concen: 1.77 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

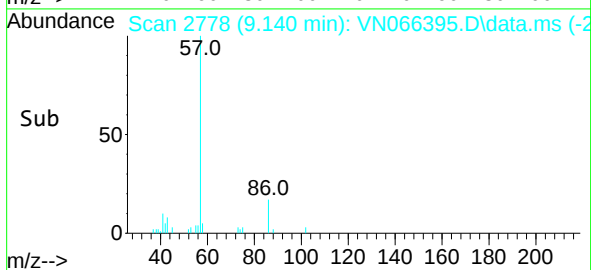
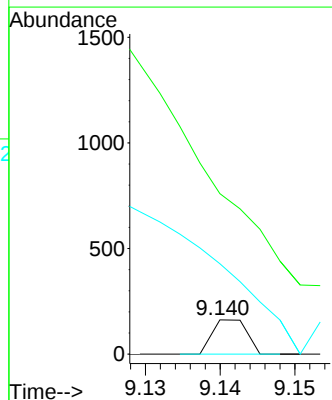
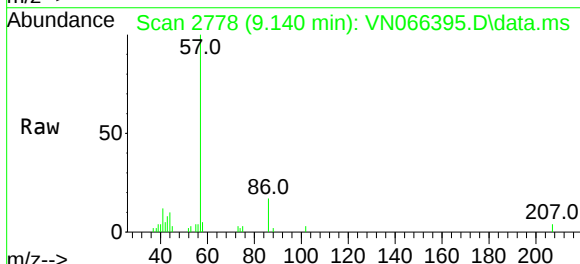


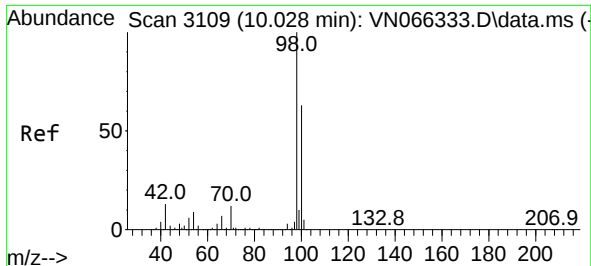
Tgt Ion: 41 Resp: 10067
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.73 ug/l
RT: 9.140 min Scan# 2778
Delta R.T. 0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 3557.7 56.6 84.8#

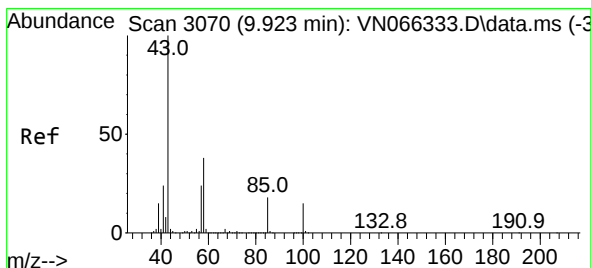
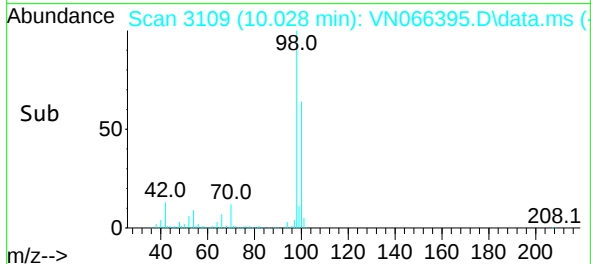
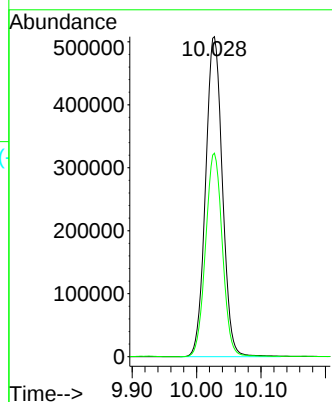
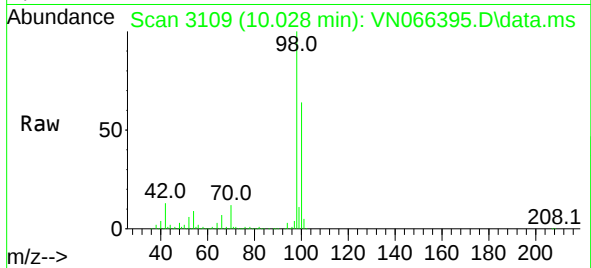




#50
Toluene-d8
Concen: 54.35 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

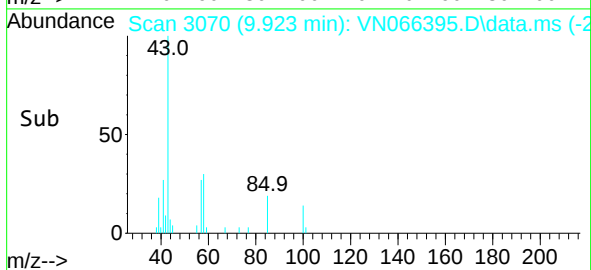
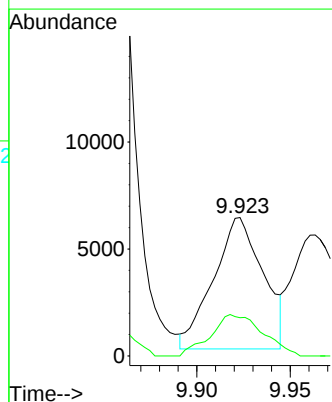
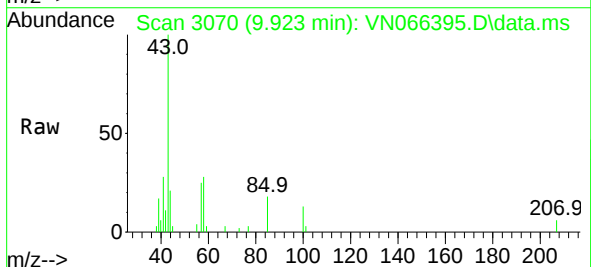
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

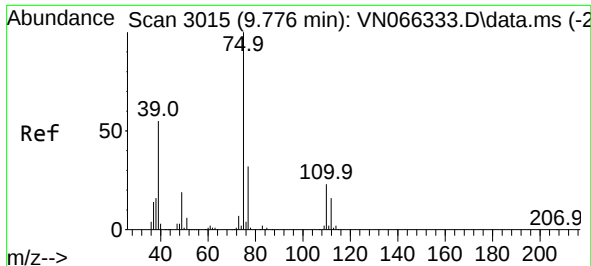
Tgt Ion: 98 Resp: 921802
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.63 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

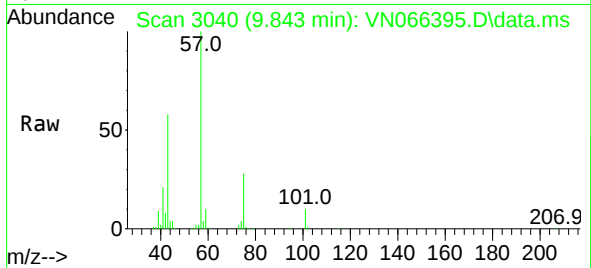
Tgt Ion: 43 Resp: 11361
Ion Ratio Lower Upper
43 100
58 33.1 30.8 46.2



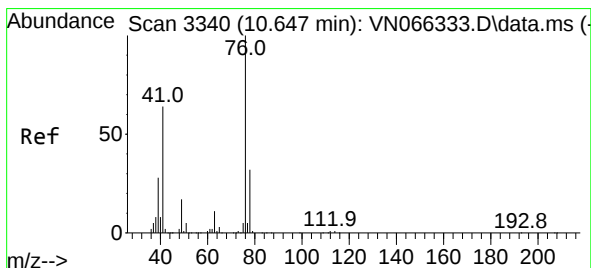
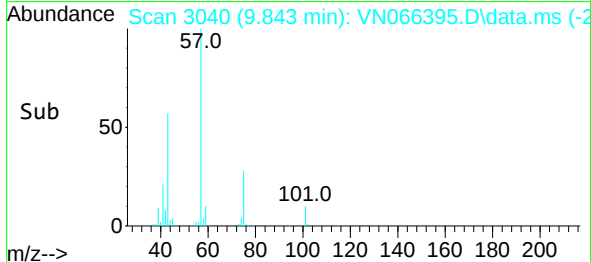
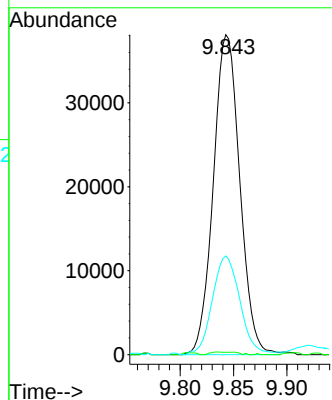


#54
 cis-1,3-Dichloropropene
 Concen: 8.16 ug/l
 RT: 9.843 min Scan# 3040
 Delta R.T. 0.067 min
 Lab File: VN066395.D
 Acq: 29 Mar 2021 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135367ZHE#02

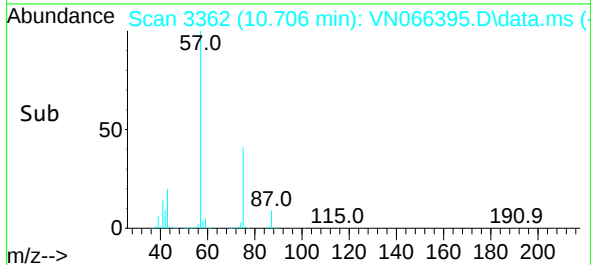
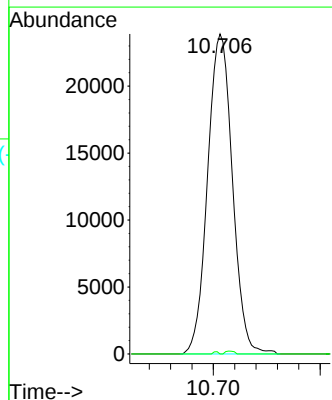
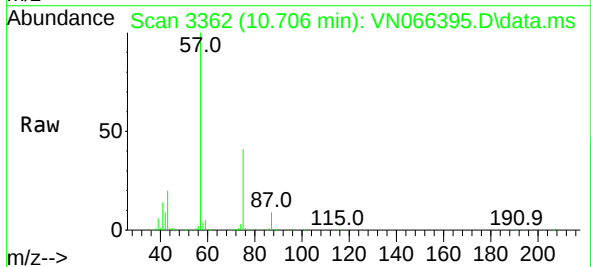


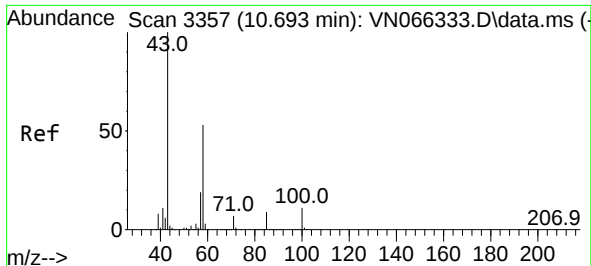
Tgt Ion: 75 Resp: 65660
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.2#
 39 30.8 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 4.91 ug/l
 RT: 10.706 min Scan# 3362
 Delta R.T. 0.059 min
 Lab File: VN066395.D
 Acq: 29 Mar 2021 23:13

Tgt Ion: 76 Resp: 38505
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.9 38.9#

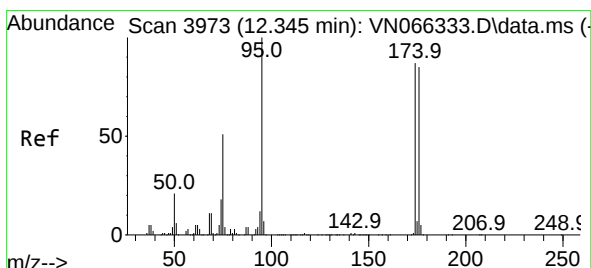
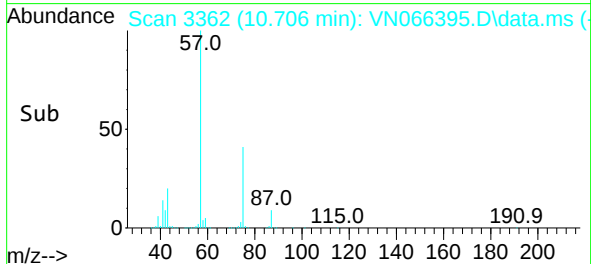
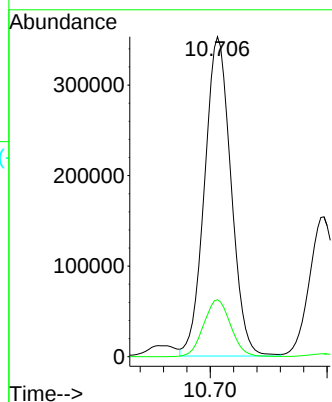
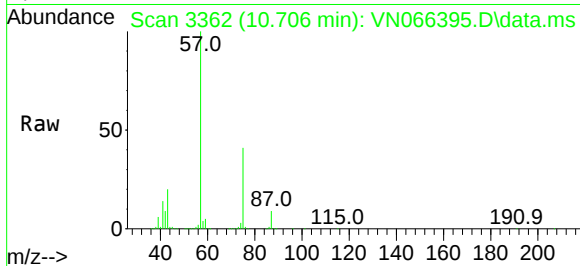




#59
2-Hexanone
Concen: 113.47 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

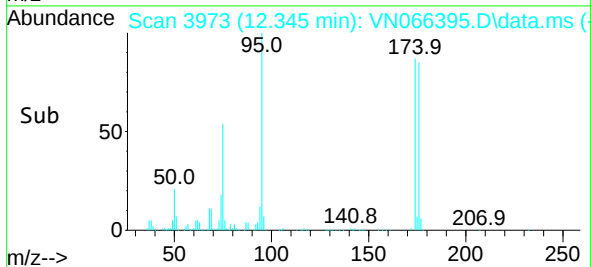
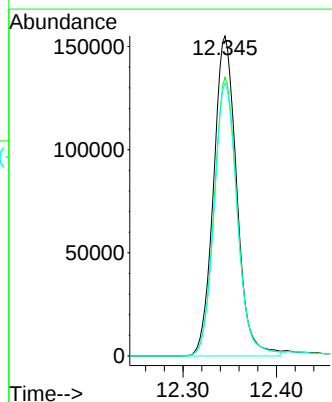
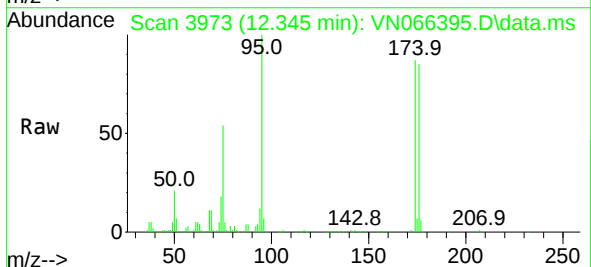
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

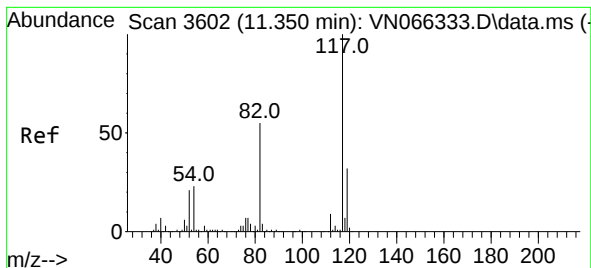
Tgt Ion: 43 Resp: 553897
Ion Ratio Lower Upper
43 100
58 18.4 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 45.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 95 Resp: 267070
Ion Ratio Lower Upper
95 100
174 87.5 0.0 172.2
176 85.4 0.0 167.8

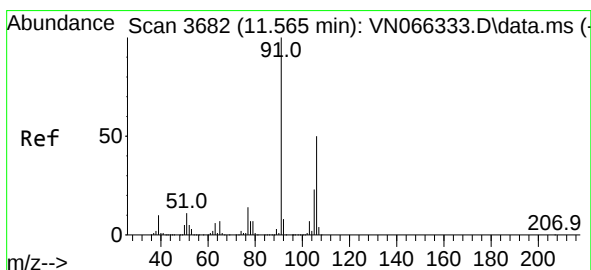
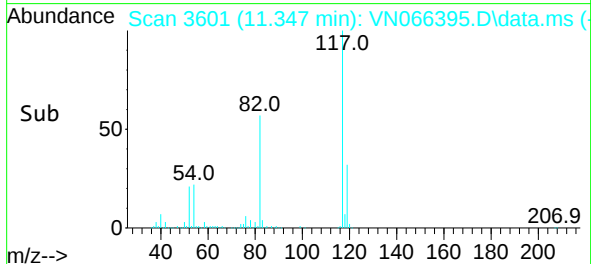
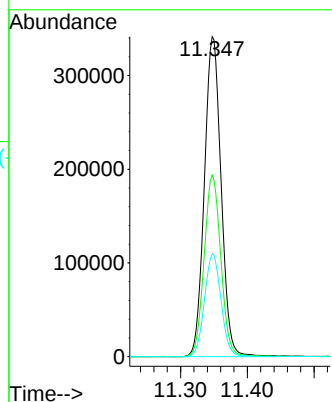
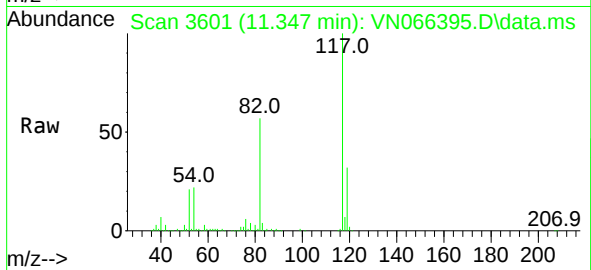




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

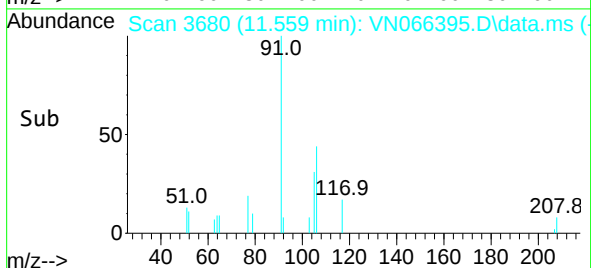
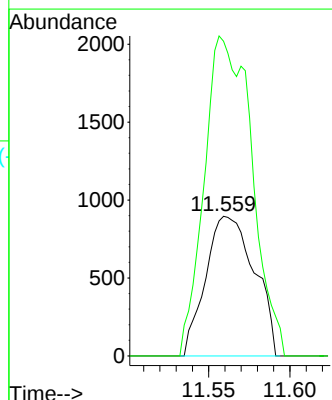
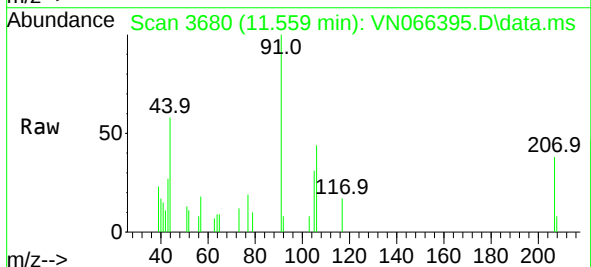
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

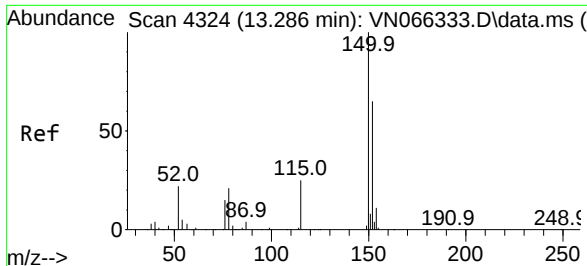
Tgt Ion:117 Resp: 595012
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.4
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 11.559 min Scan# 3680
Delta R.T. -0.005 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion:106 Resp: 1871
Ion Ratio Lower Upper
106 100
91 222.6 162.7 244.1

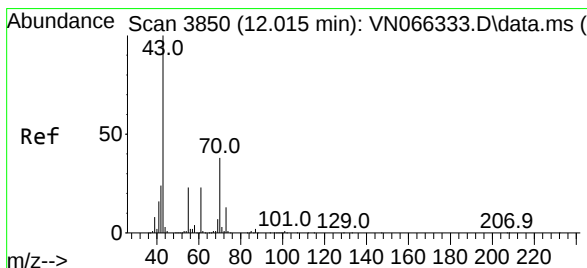
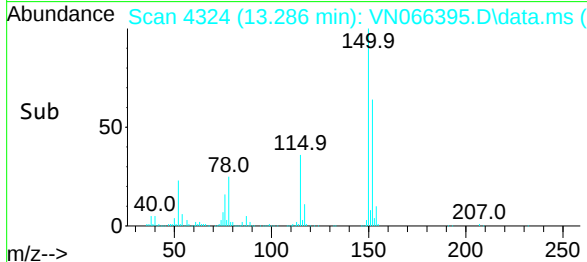
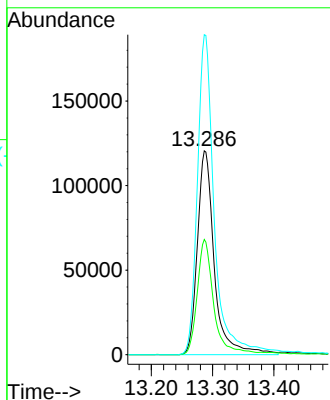
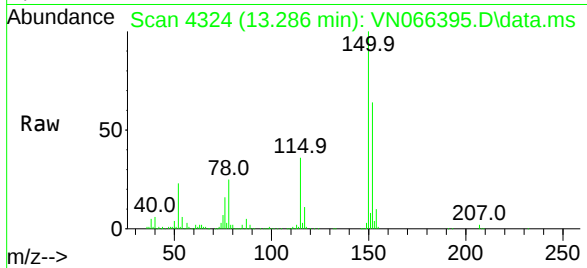




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

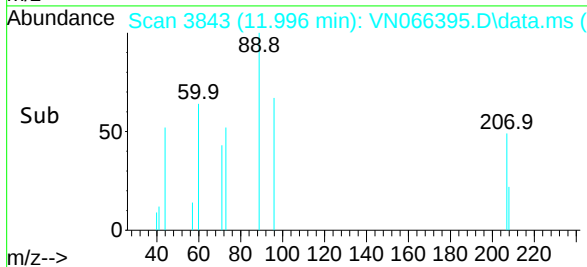
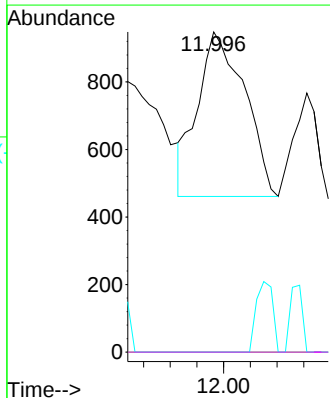
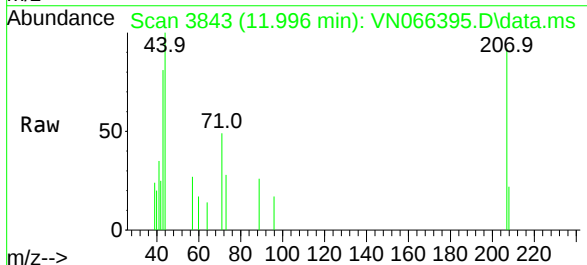
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

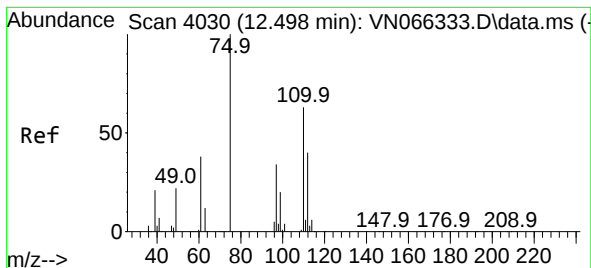
Tgt Ion:152 Resp: 232940
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 157.6 0.0 348.4



#74
N-ethyl acetate
Concen: 3.28 ug/l
RT: 11.996 min Scan# 3843
Delta R.T. -0.019 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 15.0 18.6 28.0#
61 0.0 18.2 27.4#

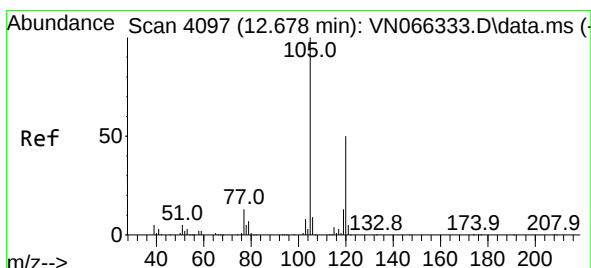
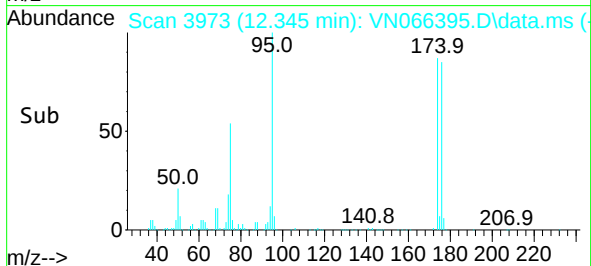
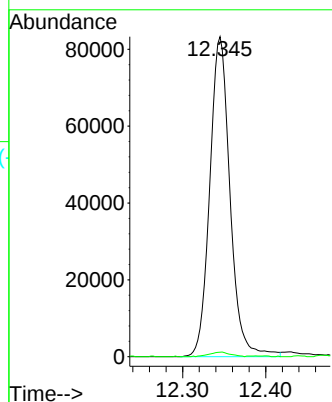
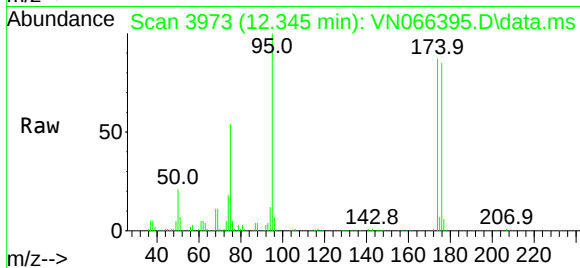




#76
1,2,3-Trichloropropane
Concen: 27.59 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

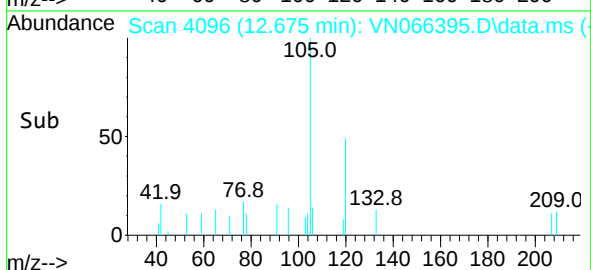
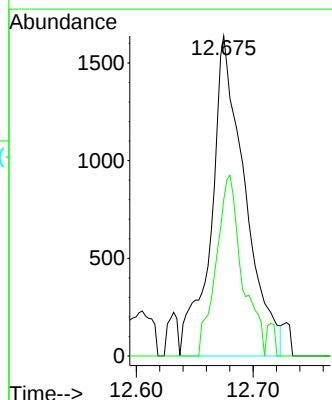
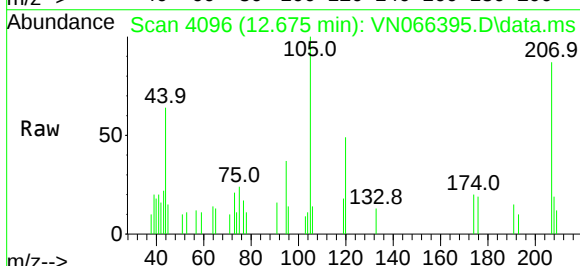
Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

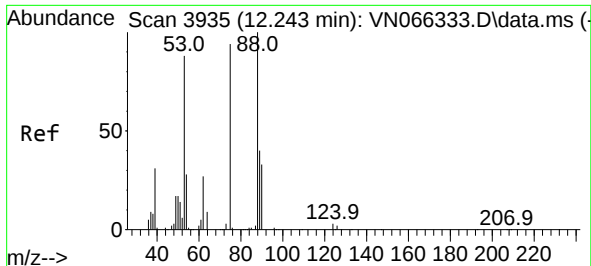
Tgt Ion: 75 Resp: 141043
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.23 ug/l
RT: 12.675 min Scan# 4096
Delta R.T. -0.003 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion:105 Resp: 3272
Ion Ratio Lower Upper
105 100
120 43.8 24.5 73.5

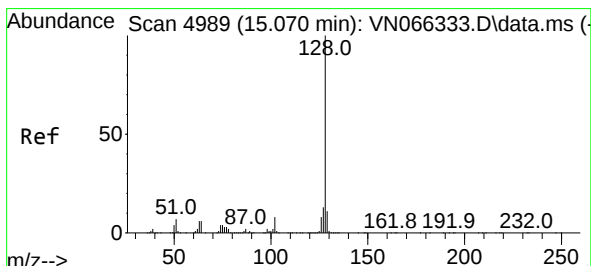
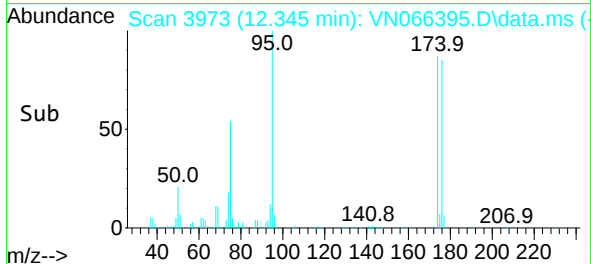
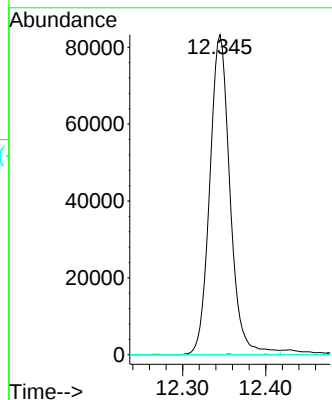
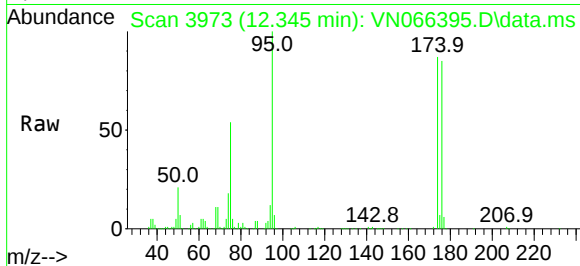




#81
trans-1,4-Dichloro-2-butene
Concen: 82.98 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Instrument :
MSVOA_N
ClientSampleId :
PB135367ZHE#02

Tgt Ion: 75 Resp: 141043
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.20 ug/l
RT: 15.075 min Scan# 4991
Delta R.T. 0.005 min
Lab File: VN066395.D
Acq: 29 Mar 2021 23:13

Tgt Ion: 128 Resp: 2080
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 9.4 8.5 12.7

