

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066632.D
 Acq On : 16 Apr 2021 17:43
 Operator : JC/MD
 Sample : PB135768ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#02

Quant Time: Apr 17 05:18:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

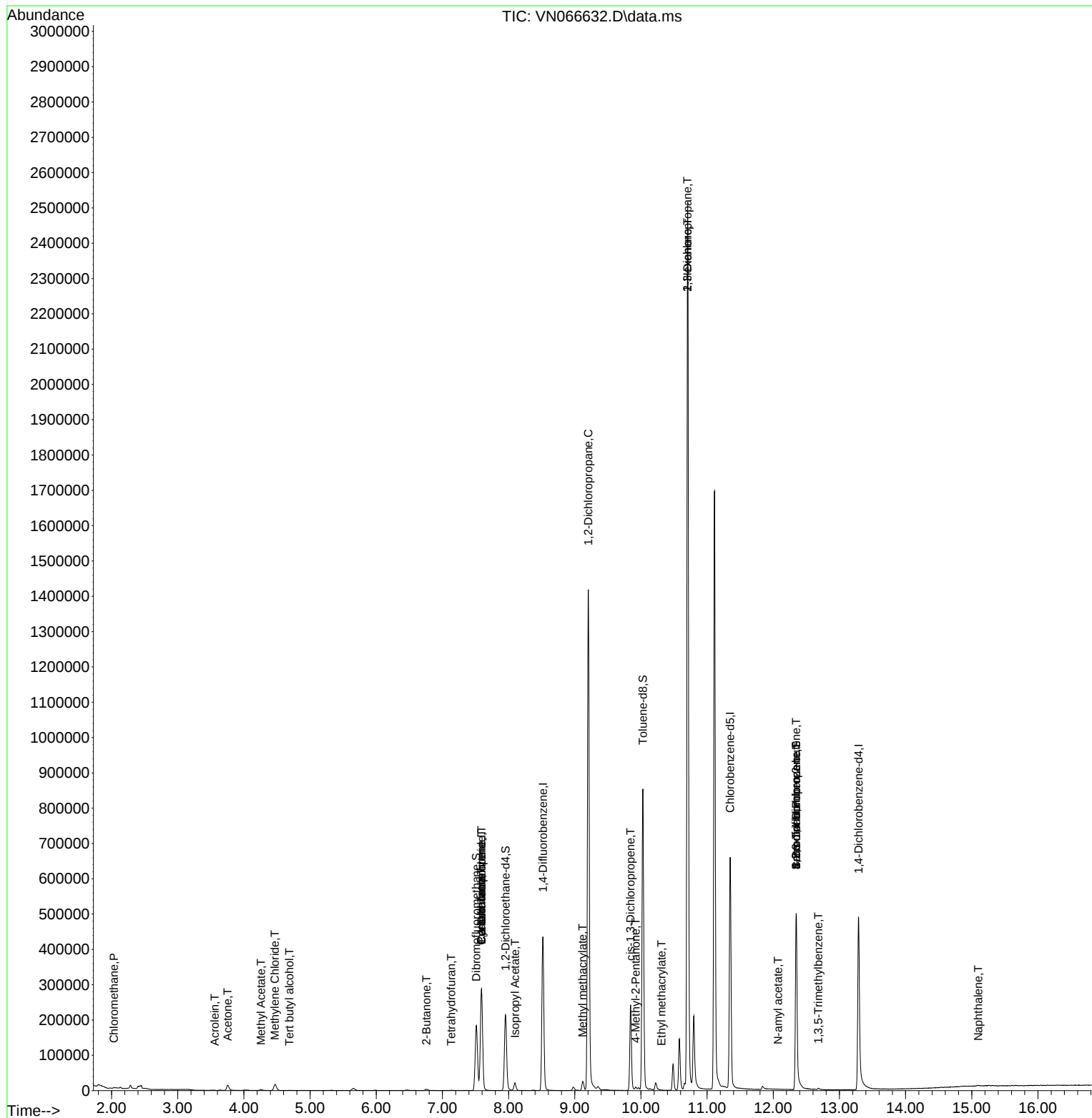
Internal Standards						
1) Pentafluorobenzene	7.591	168	246683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	393681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	391370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	160177	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	184279	49.52	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.04%			
35) Dibromofluoromethane	7.513	113	145318	53.23	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.46%			
50) Toluene-d8	10.029	98	582438	54.43	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.86%			
62) 4-Bromofluorobenzene	12.346	95	196034	52.10	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.20%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1368	0.31	ug/l #	87
11) Tert butyl alcohol	4.689	59	461	0.77	ug/l #	73
13) Acrolein	3.557	56	692	2.17	ug/l	94
16) Acetone	3.756	43	26138	11.54	ug/l	94
18) Methyl Acetate	4.260	43	4846	1.21	ug/l #	77
20) Methylene Chloride	4.469	84	12819	3.65	ug/l	90
25) 2-Butanone	6.760	43	8063	3.68	ug/l	99
29) Tetrahydrofuran	7.132	42	559	0.38	ug/l #	32
31) Cyclohexane	7.588	56	5244	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	18742	4.72	ug/l #	47
38) Carbon Tetrachloride	7.591	117	22263	5.99	ug/l #	17
43) Isopropyl Acetate	8.098	43	26861	3.57	ug/l #	87
45) 1,2-Dichloropropane	9.206	63	1637	0.46	ug/l #	44
48) Methyl methacrylate	9.117	41	7241	2.14	ug/l #	10
49) 1,4-Dioxane	9.200	88	24	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.922	43	5826	1.32	ug/l	96
54) cis-1,3-Dichloropropene	9.844	75	43993	8.49	ug/l #	64
56) Ethyl methacrylate	10.311	69	53	0.91	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	24963	4.81	ug/l #	43
59) 2-Hexanone	10.705	43	380988	123.42	ug/l #	49
71) Bromoform	12.346	173	1242	0.53	ug/l #	1
74) N-amyl acetate	12.070	43	191	9.77	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	100359	26.79	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.681	105	2123	0.21	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.346	75	100359	82.59	ug/l #	12
88) 1,4-Dichlorobenzene	13.309	146	232	Below Cal	#	25
95) Naphthalene	15.098	128	2740	0.34	ug/l #	72

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

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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

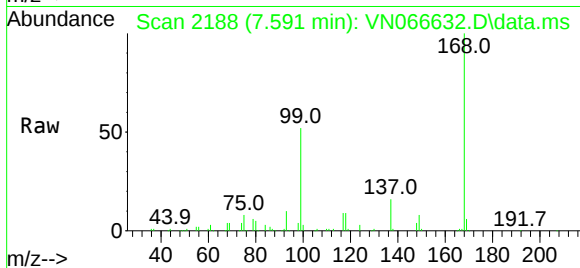
Quant Time: Apr 17 05:18:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration



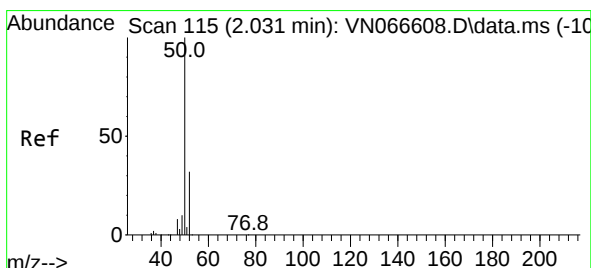
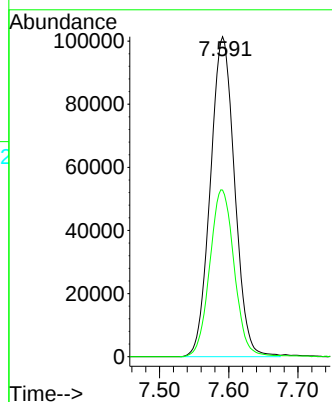
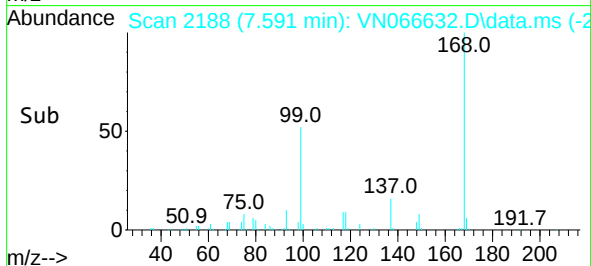


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

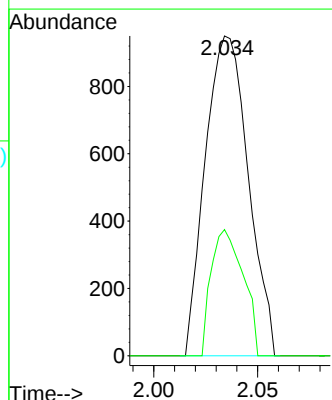
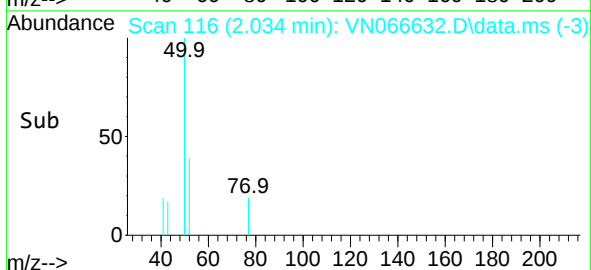
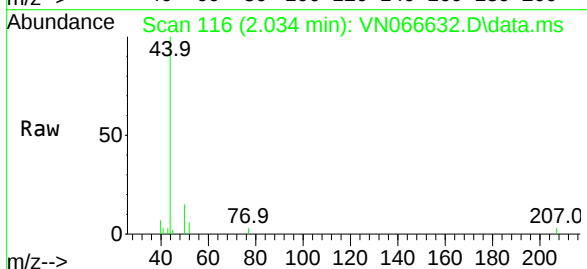


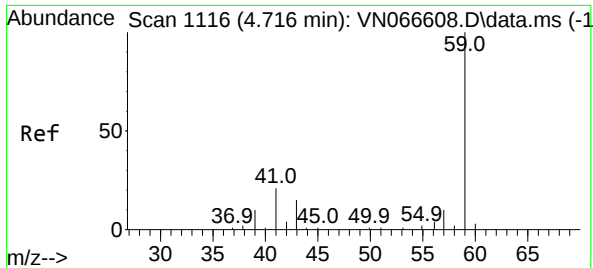
Tgt Ion:168 Resp: 246683
Ion Ratio Lower Upper
168 100
99 52.1 42.6 63.8



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 50 Resp: 1368
Ion Ratio Lower Upper
50 100
52 39.5 25.8 38.8#

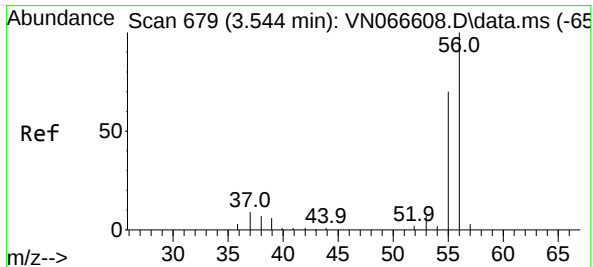
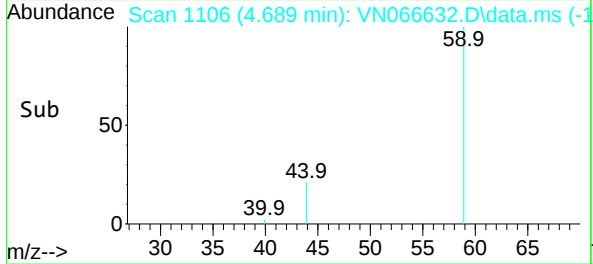
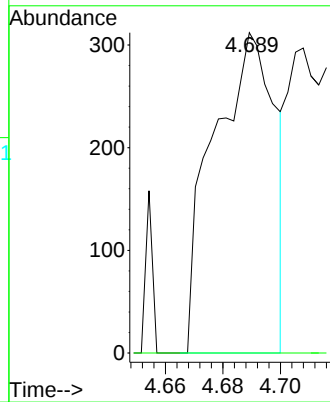
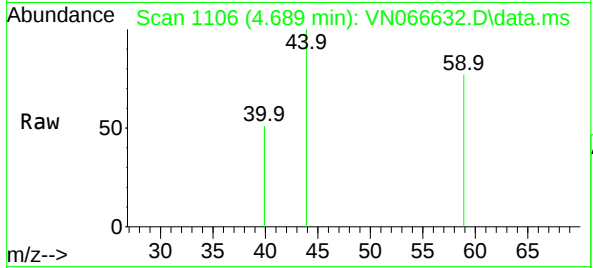




#11
Tert butyl alcohol
Concen: 0.77 ug/l
RT: 4.689 min Scan# 1106
Delta R.T. -0.027 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

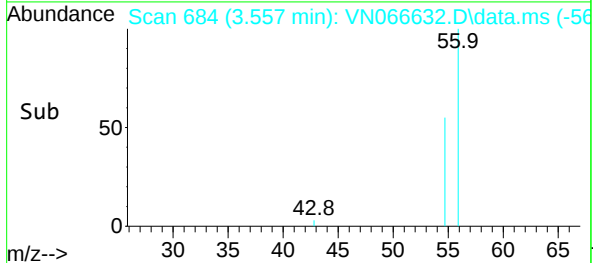
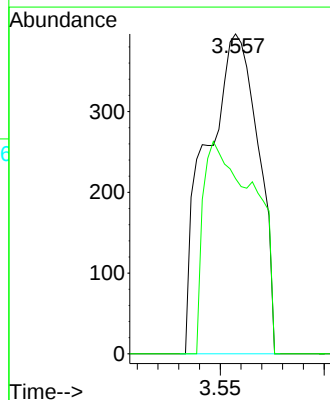
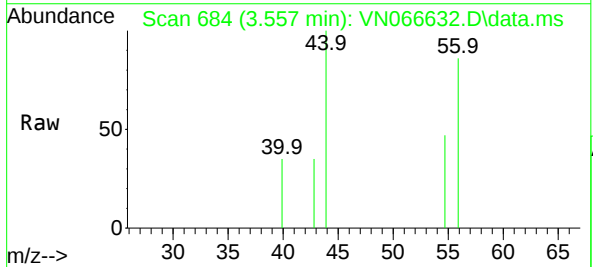
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

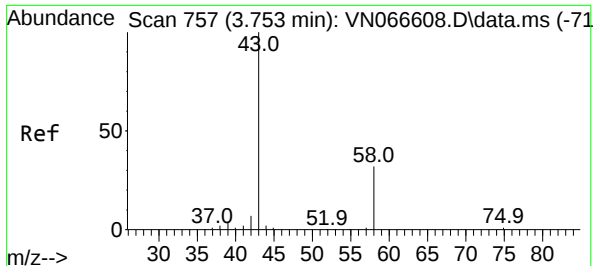
Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 2.17 ug/l
RT: 3.557 min Scan# 684
Delta R.T. 0.013 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 56 Resp: 692
Ion Ratio Lower Upper
56 100
55 65.5 56.0 84.0

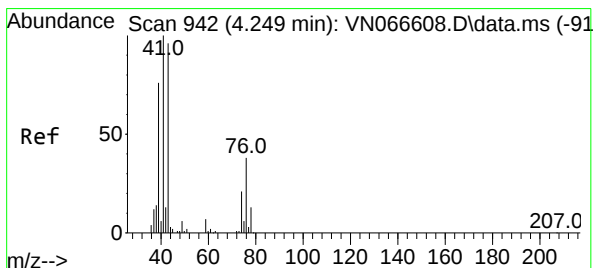
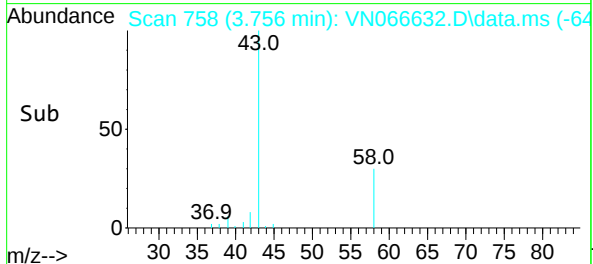
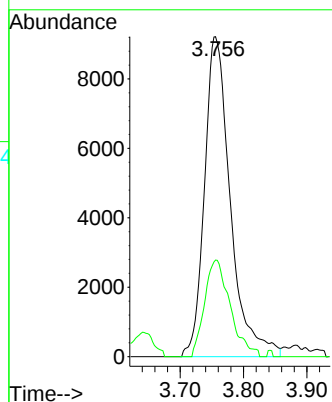
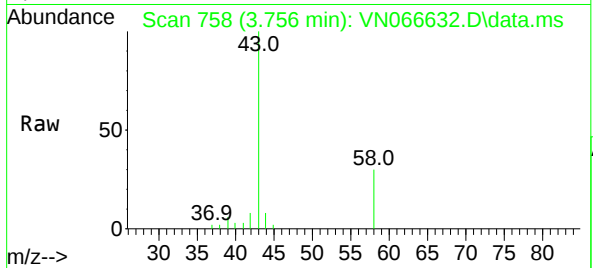




#16
Acetone
Concen: 11.54 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

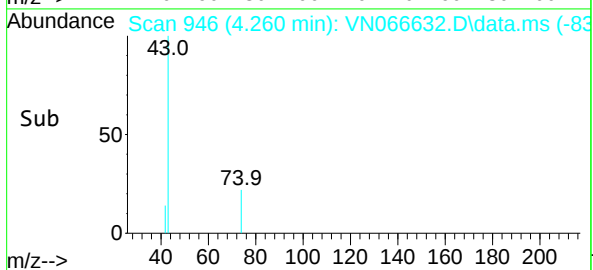
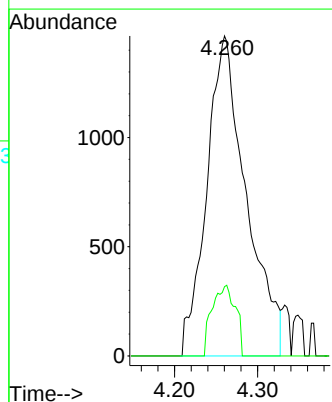
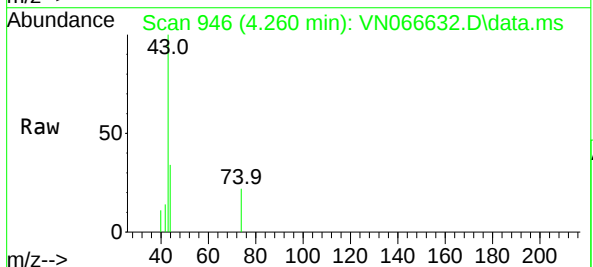
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

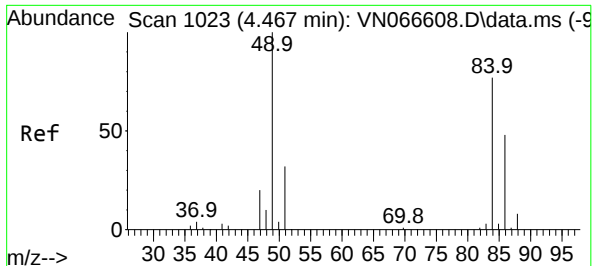
Tgt Ion: 43 Resp: 26138
Ion Ratio Lower Upper
43 100
58 30.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.21 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 43 Resp: 4846
Ion Ratio Lower Upper
43 100
74 13.0 19.5 29.3#





#20

Methylene Chloride

Concen: 3.65 ug/l

RT: 4.469 min Scan# 1024

Delta R.T. 0.002 min

Lab File: VN066632.D

Acq: 16 Apr 2021 17:43

Tgt Ion: 84 Resp: 12819

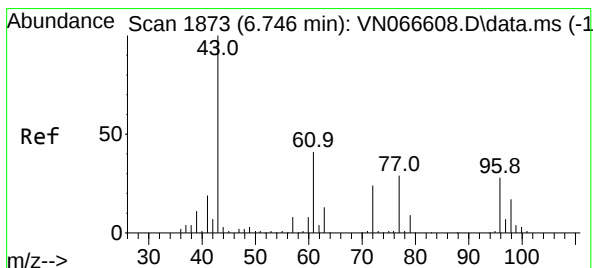
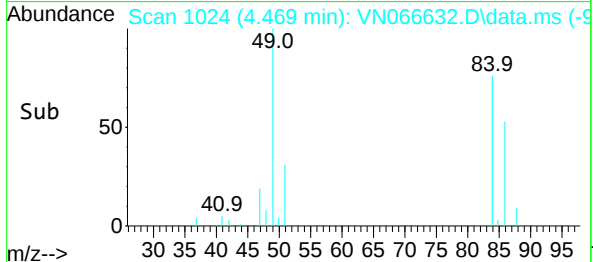
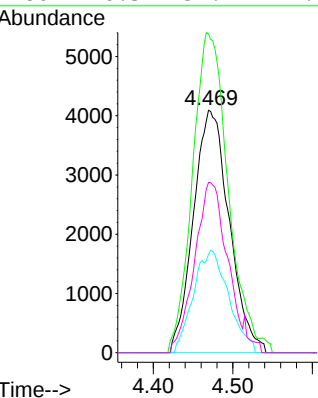
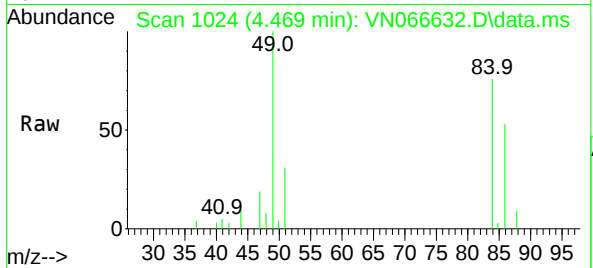
Ion Ratio Lower Upper

84 100

49 131.5 94.6 141.8

51 40.5 29.9 44.9

86 70.3 51.4 77.2



#25

2-Butanone

Concen: 3.68 ug/l

RT: 6.760 min Scan# 1878

Delta R.T. 0.014 min

Lab File: VN066632.D

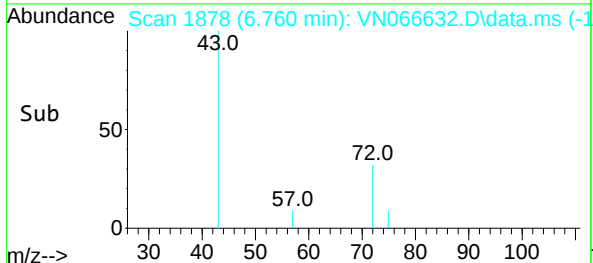
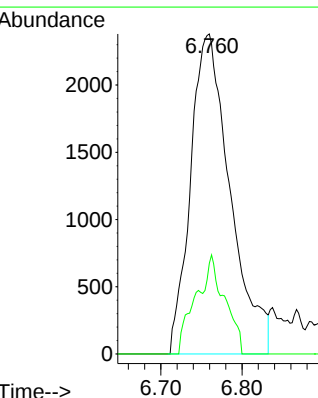
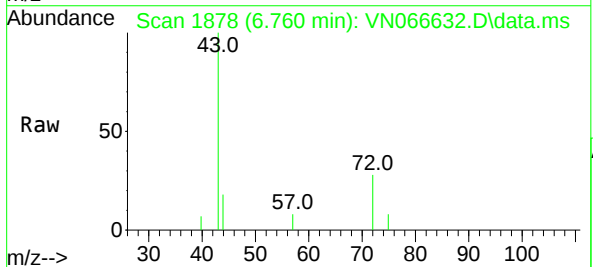
Acq: 16 Apr 2021 17:43

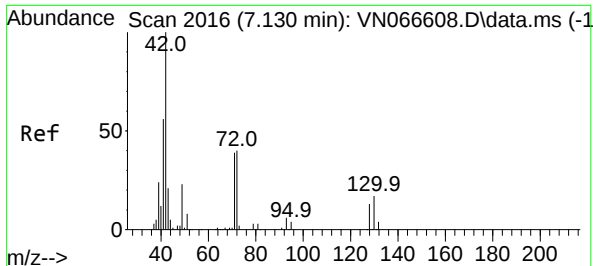
Tgt Ion: 43 Resp: 8063

Ion Ratio Lower Upper

43 100

72 28.3 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.38 ug/l

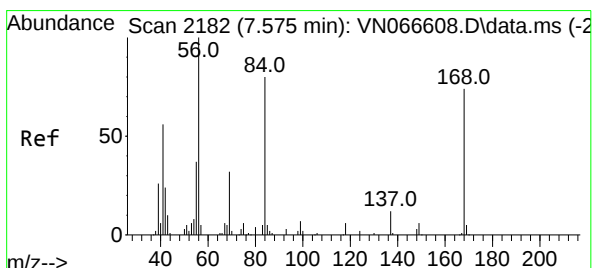
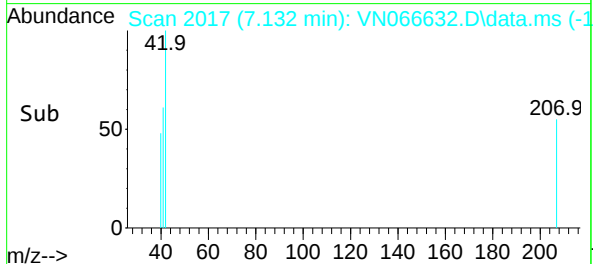
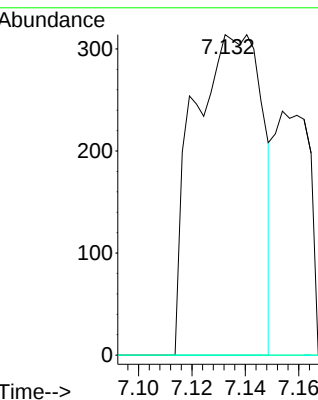
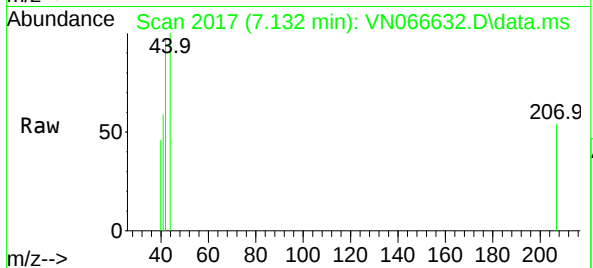
RT: 7.132 min Scan# 2017

Delta R.T. 0.002 min

Lab File: VN066632.D

Acq: 16 Apr 2021 17:43

Tgt Ion:	42	Resp:	559
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#



#31

Cyclohexane

Concen: 0.98 ug/l

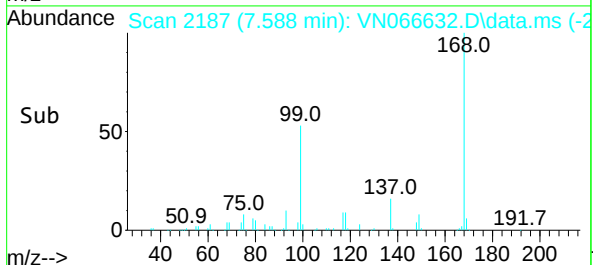
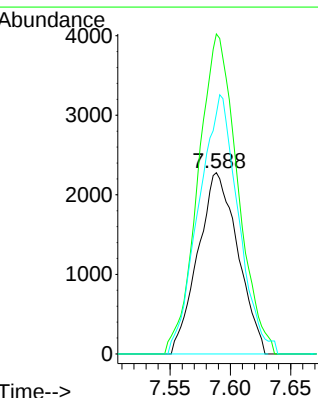
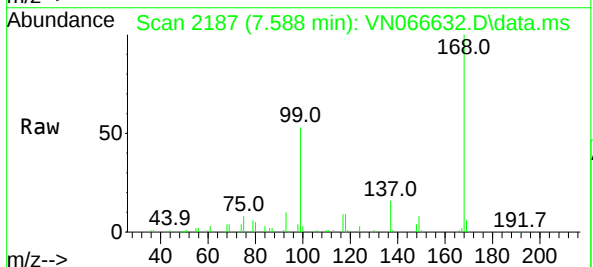
RT: 7.588 min Scan# 2187

Delta R.T. 0.013 min

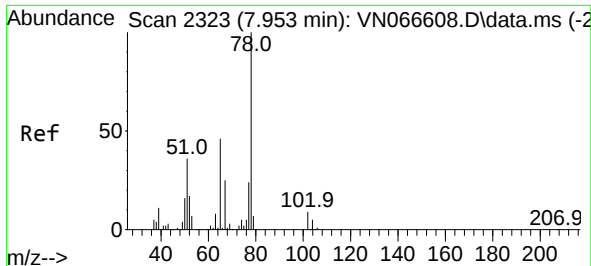
Lab File: VN066632.D

Acq: 16 Apr 2021 17:43

Tgt Ion:	56	Resp:	5244
Ion	Ratio	Lower	Upper
56	100		
69	169.9	26.6	39.8#
84	132.5	70.4	105.6#



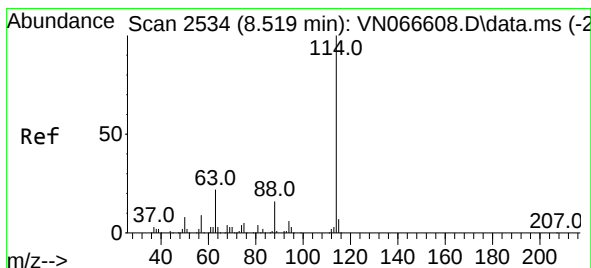
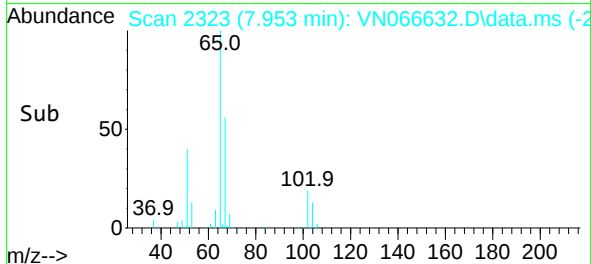
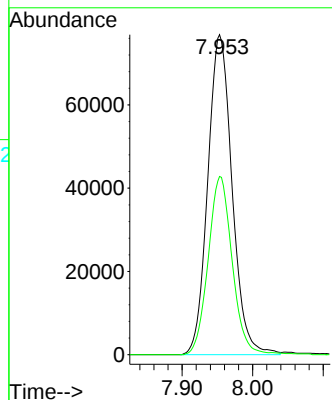
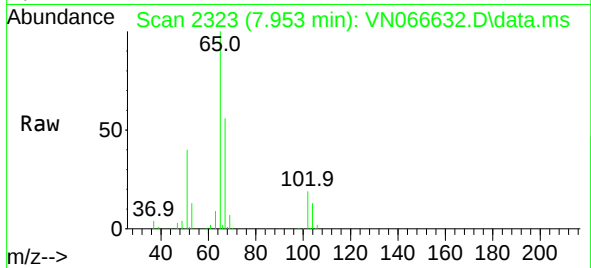
Instrument :
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ClientSampleId :
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#33
1,2-Dichloroethane-d4
Concen: 49.52 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

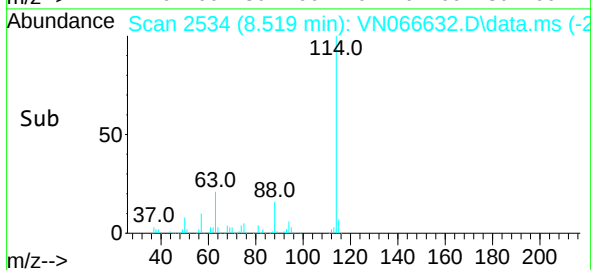
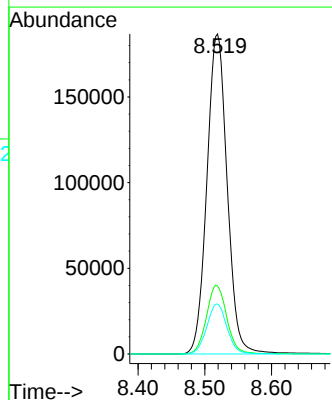
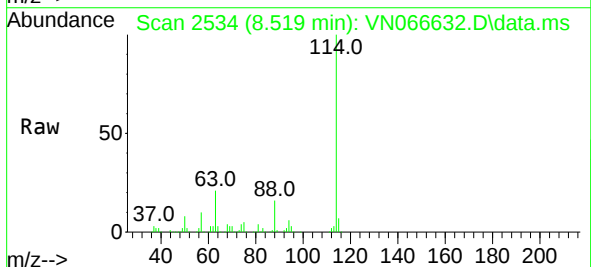
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

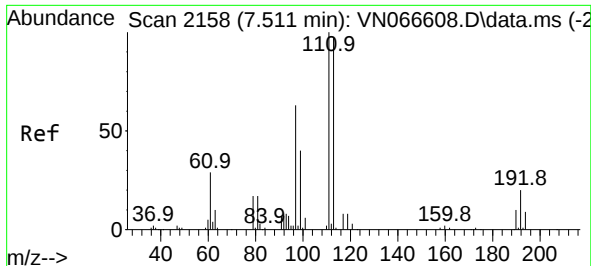
Tgt Ion: 65 Resp: 184279
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 114 Resp: 393681
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 15.6 0.0 30.6

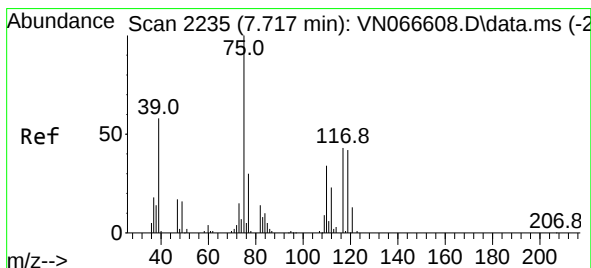
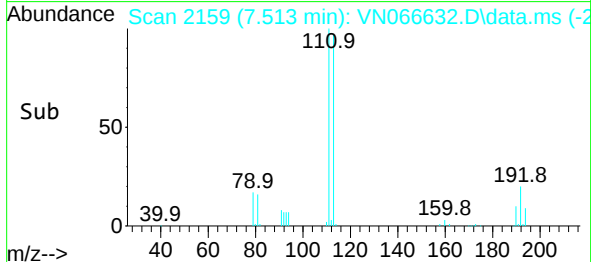
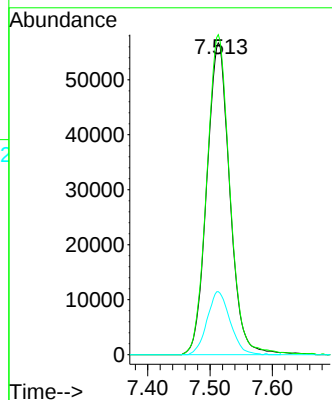
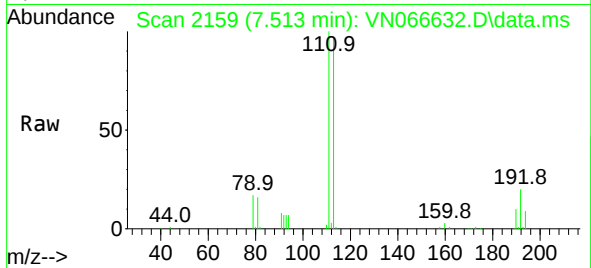




#35
Dibromofluoromethane
Concen: 53.23 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

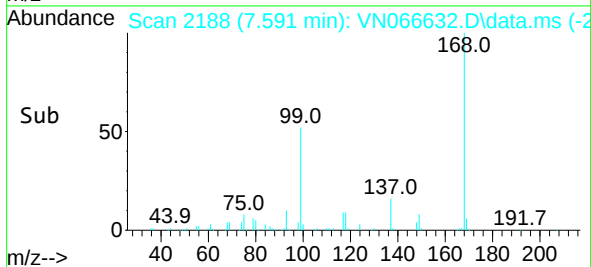
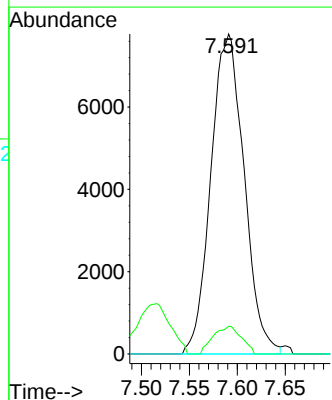
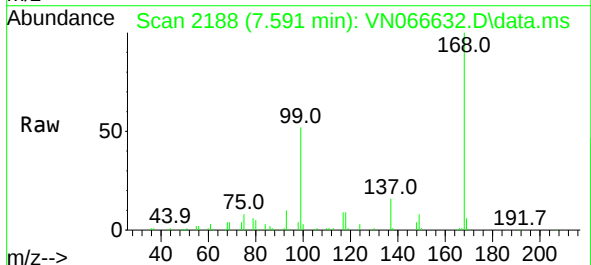
Instrument :
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ClientSampleId :
PB135768ZHE#02

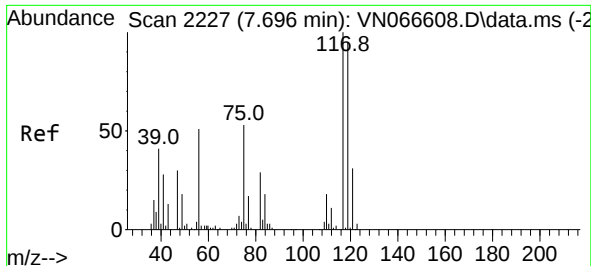
Tgt Ion:113 Resp: 145318
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

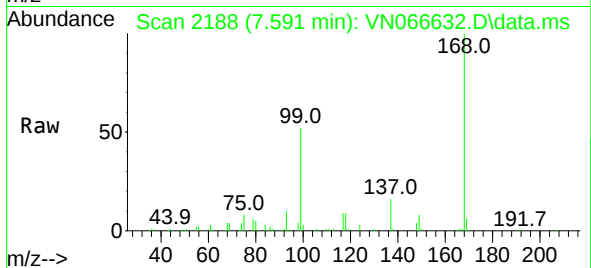
Tgt Ion: 75 Resp: 18742
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#



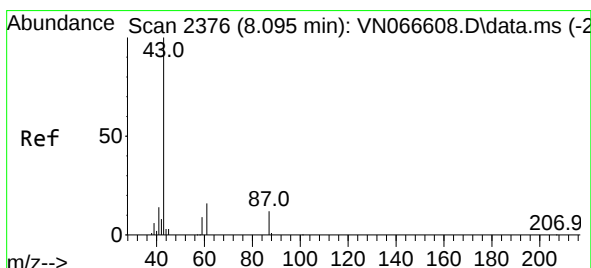
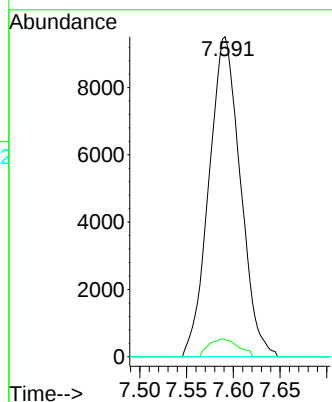
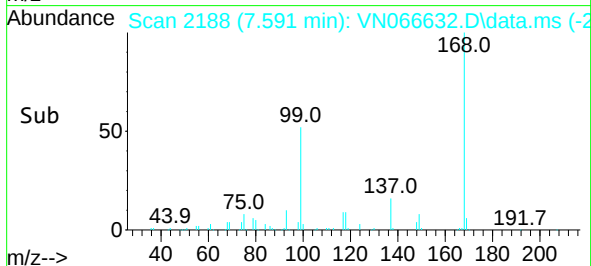


#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

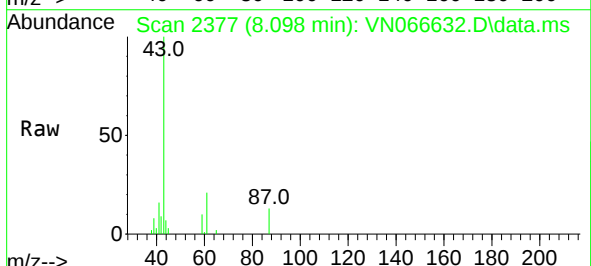
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02



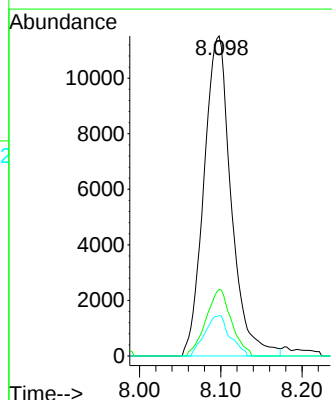
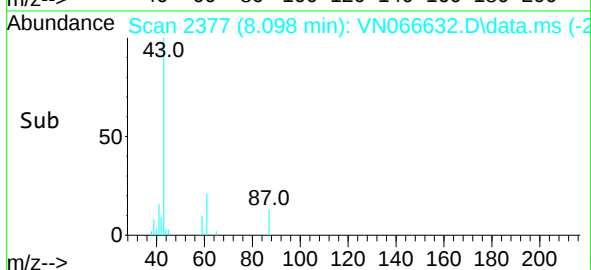
Tgt Ion: 117 Resp: 22263
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.5 36.7#

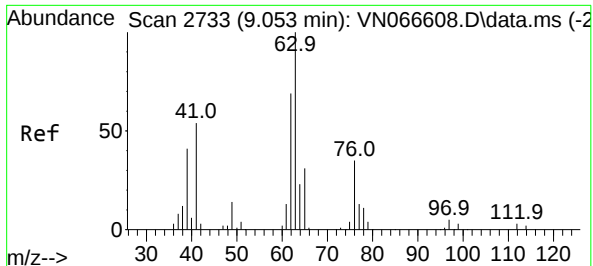


#43
Isopropyl Acetate
Concen: 3.57 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.003 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43



Tgt Ion: 43 Resp: 26861
Ion Ratio Lower Upper
43 100
61 19.4 22.5 33.7#
87 11.6 11.1 16.7

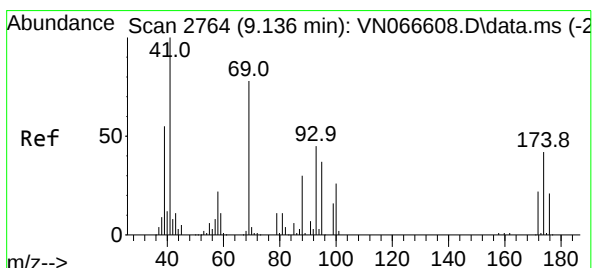
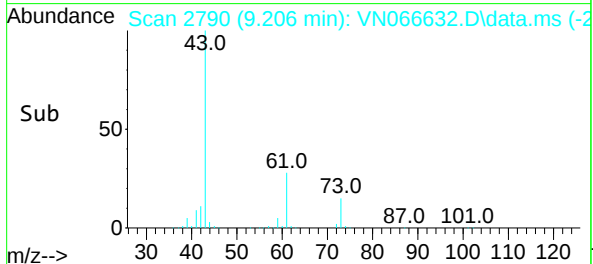
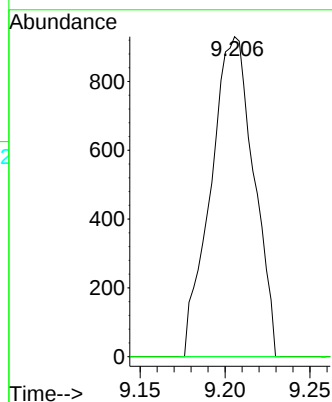
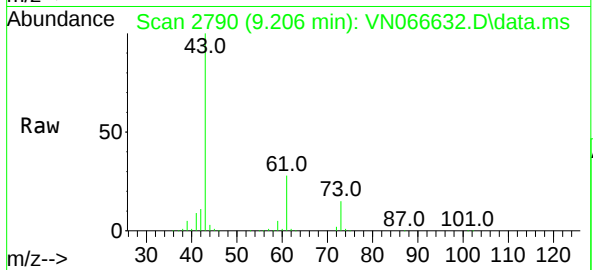




#45
1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

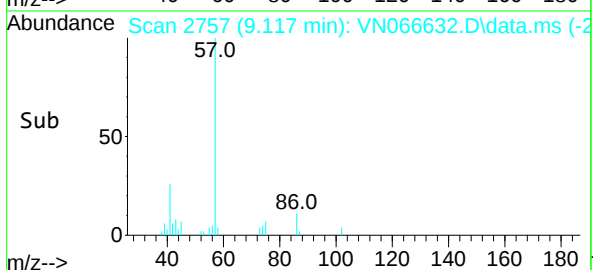
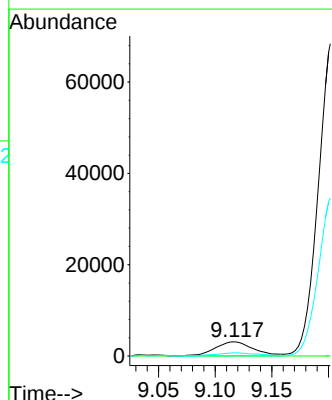
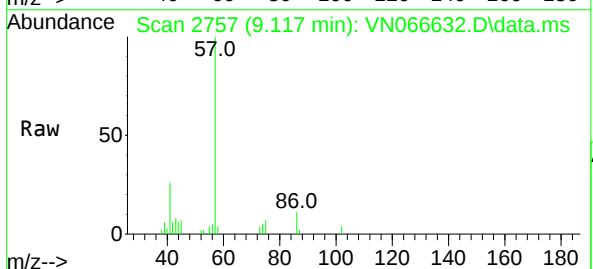
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

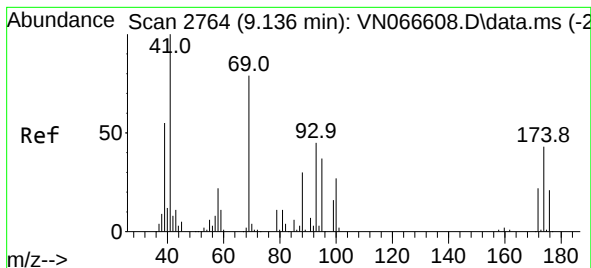
Tgt Ion: 63 Resp: 1637
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.14 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

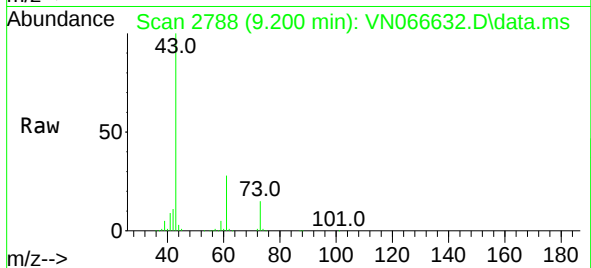
Tgt Ion: 41 Resp: 7241
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



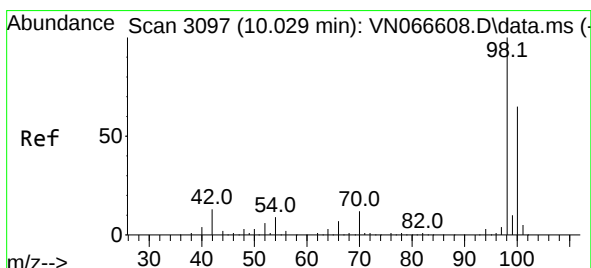
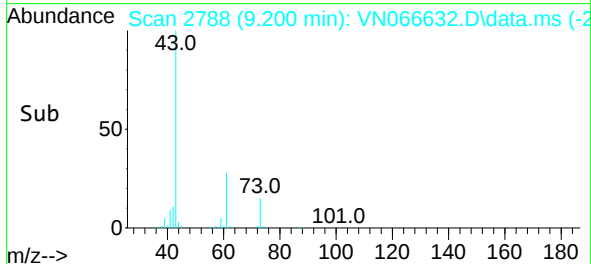
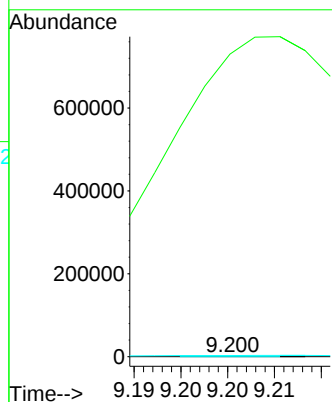


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.200 min Scan# 2788
Delta R.T. 0.064 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

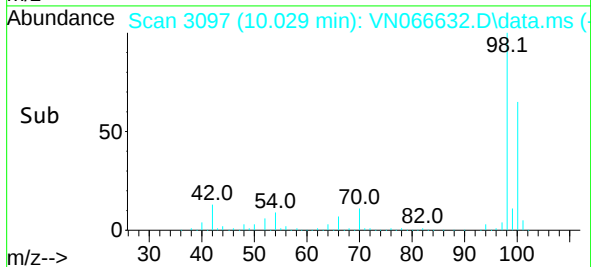
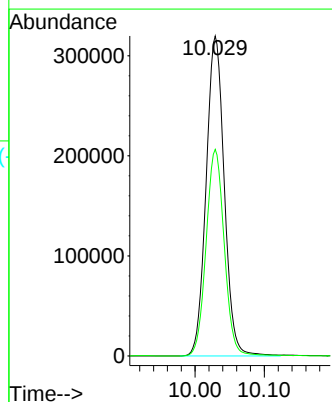
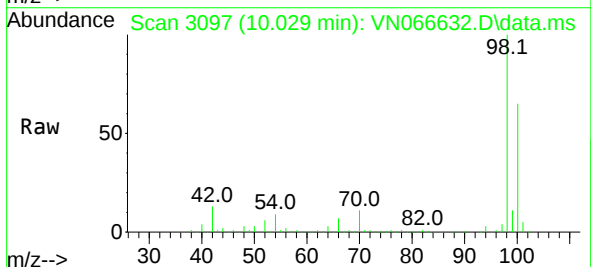


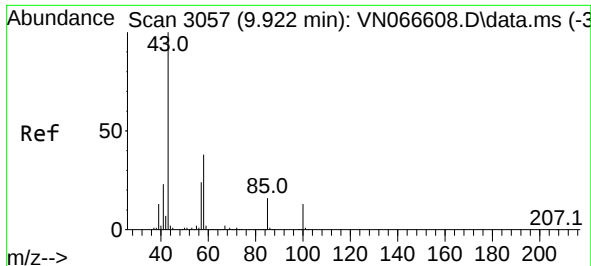
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 6108433.3 24.7 37.1#
58 26216.7 52.6 78.8#



#50
Toluene-d8
Concen: 54.43 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 98 Resp: 582438
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

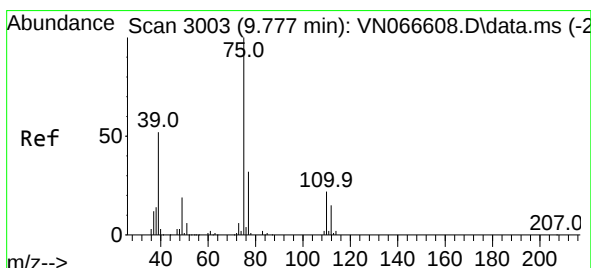
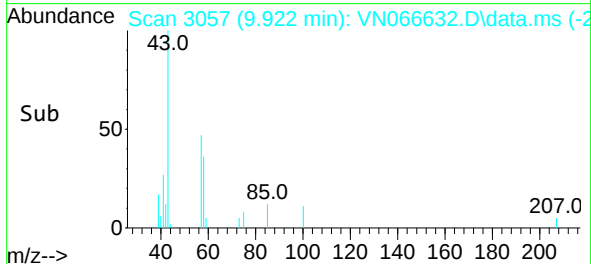
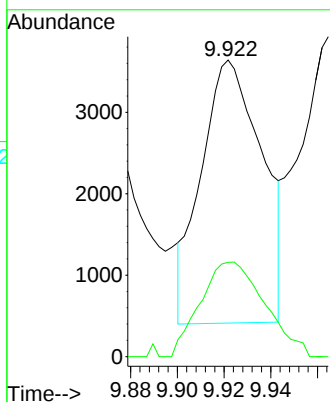
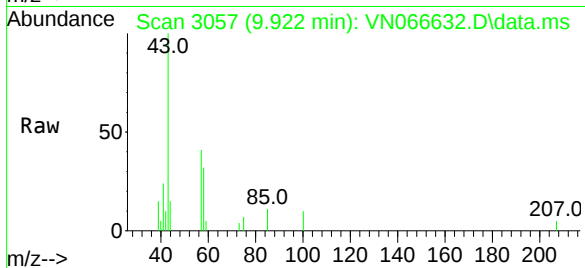




#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

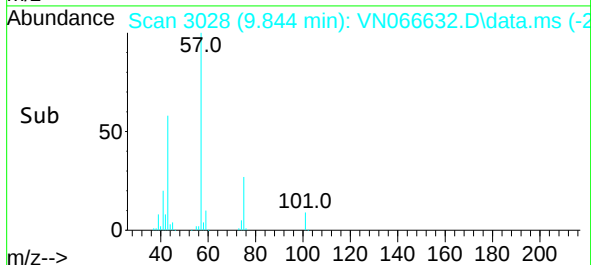
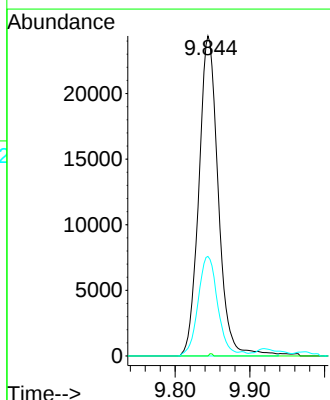
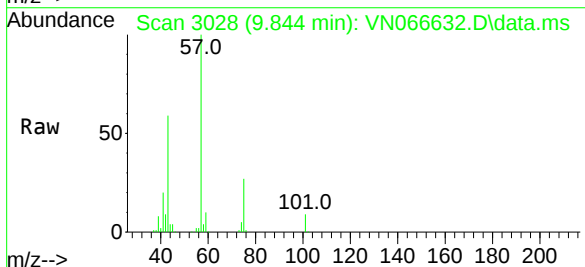
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

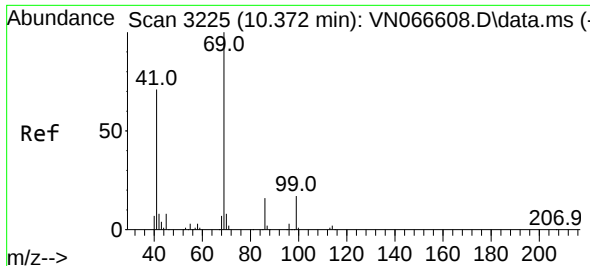
Tgt Ion: 43 Resp: 5826
Ion Ratio Lower Upper
43 100
58 38.3 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.49 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 75 Resp: 43993
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.1 36.2 54.4#

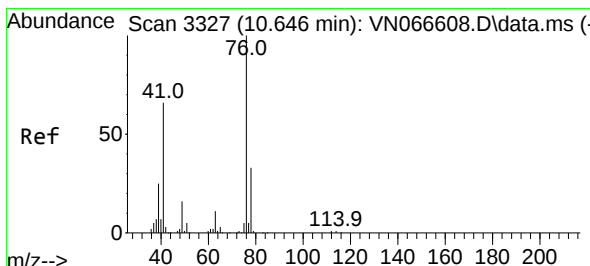
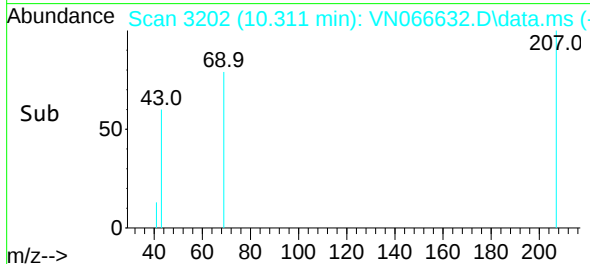
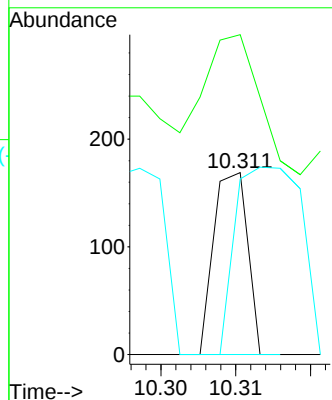
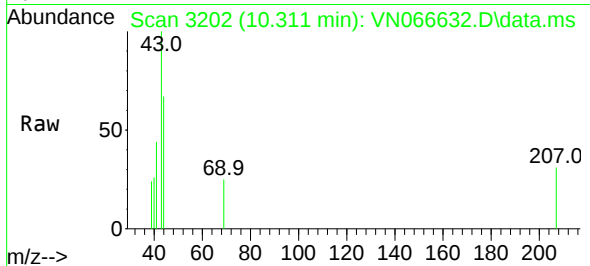




#56
Ethyl methacrylate
Concen: 0.91 ug/l
RT: 10.311 min Scan# 3202
Delta R.T. -0.061 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

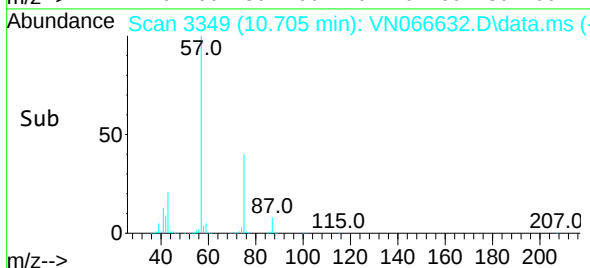
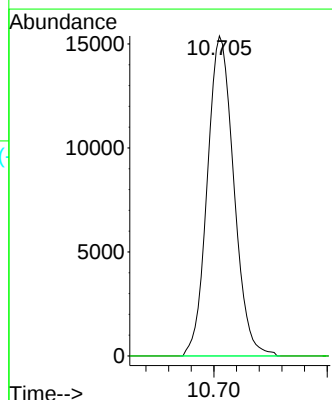
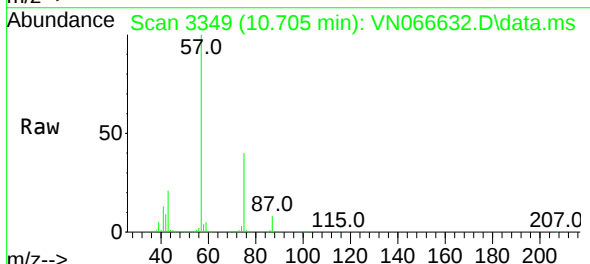
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

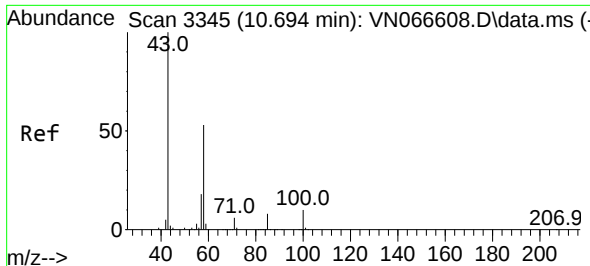
Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.81 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 76 Resp: 24963
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

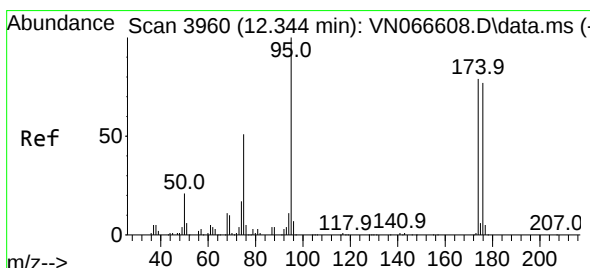
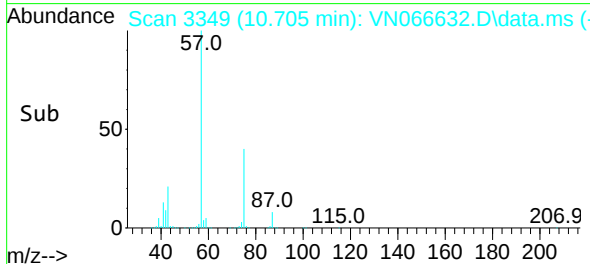
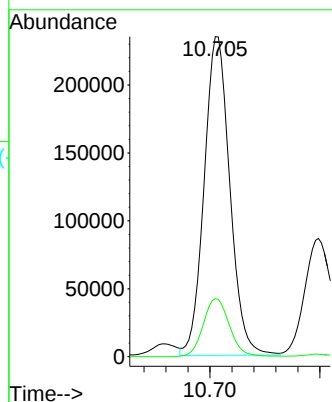
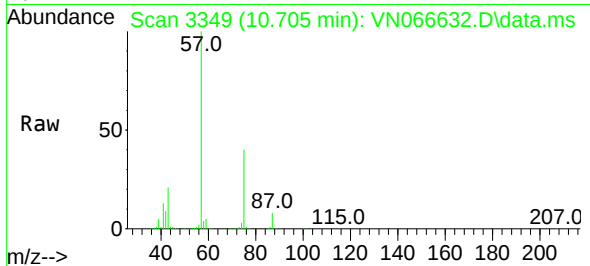




#59
2-Hexanone
Concen: 123.42 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

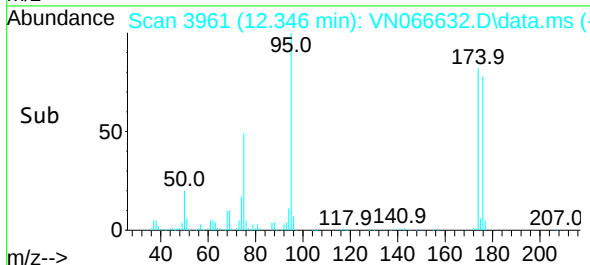
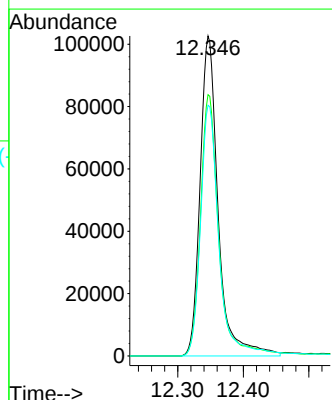
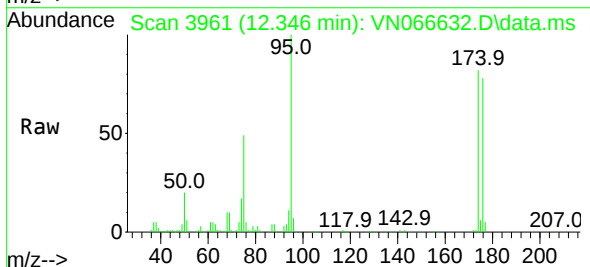
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

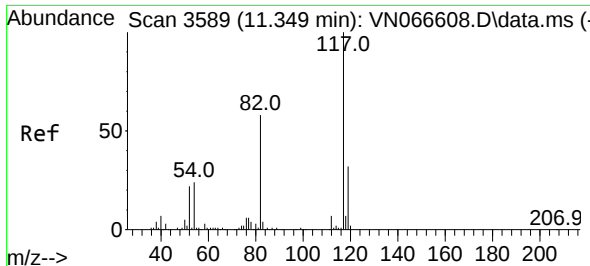
Tgt Ion: 43 Resp: 380988
Ion Ratio Lower Upper
43 100
58 18.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 52.10 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

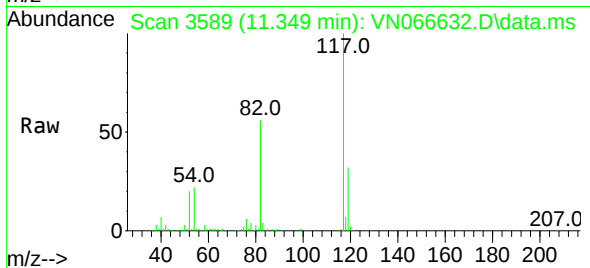
Tgt Ion: 95 Resp: 196034
Ion Ratio Lower Upper
95 100
174 83.4 0.0 169.0
176 80.4 0.0 162.4



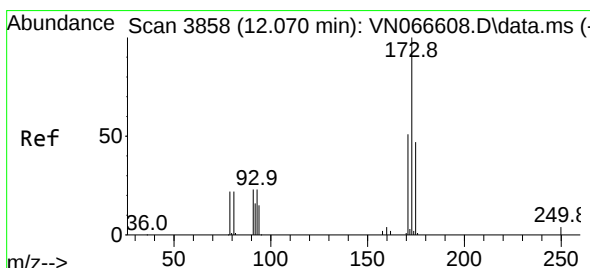
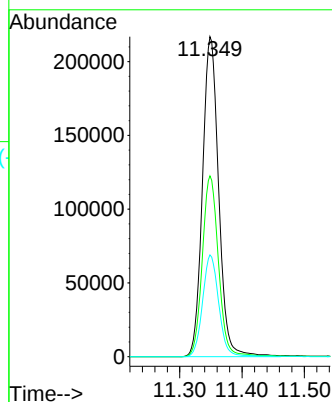
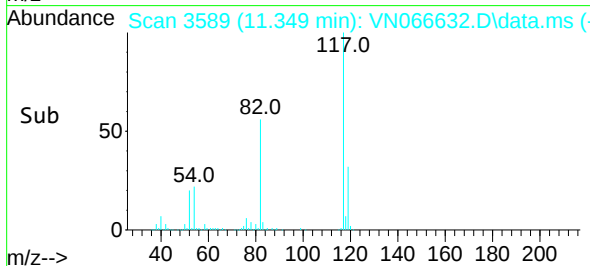


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

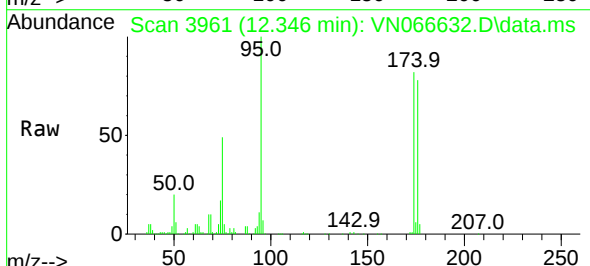
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02



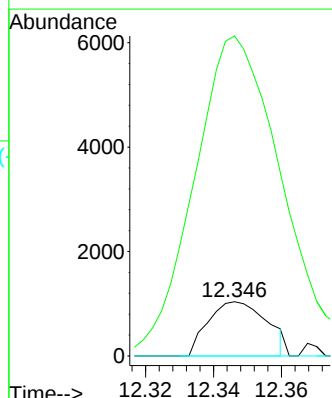
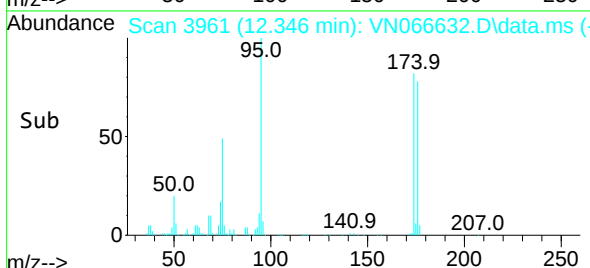
Tgt Ion:117 Resp: 391370
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 31.8 26.1 39.1

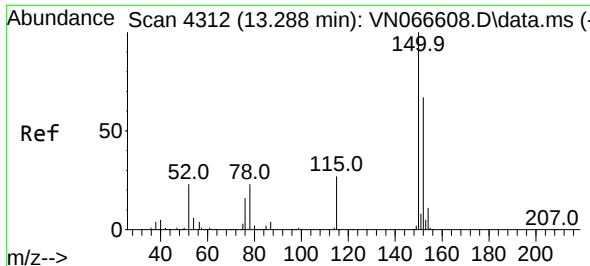


#71
Bromoform
Concen: 0.53 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43



Tgt Ion:173 Resp: 1242
Ion Ratio Lower Upper
173 100
175 755.6 23.8 71.2#
254 0.0 0.0 0.0

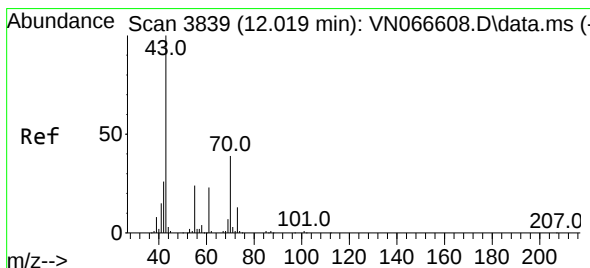
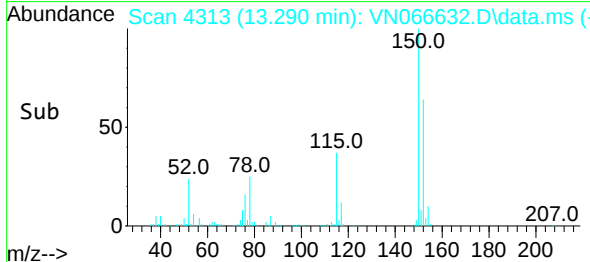
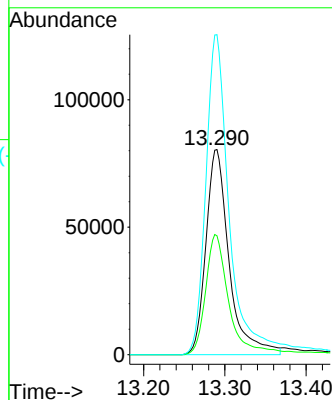
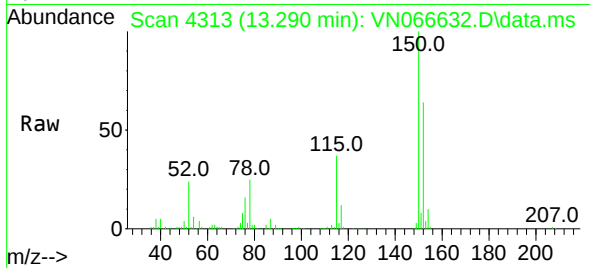




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

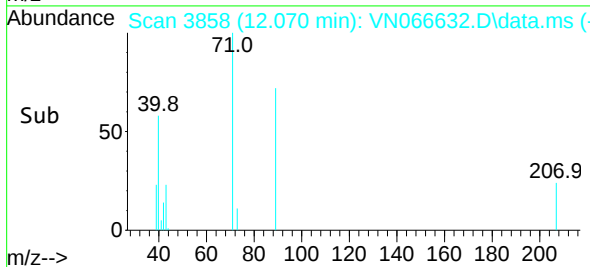
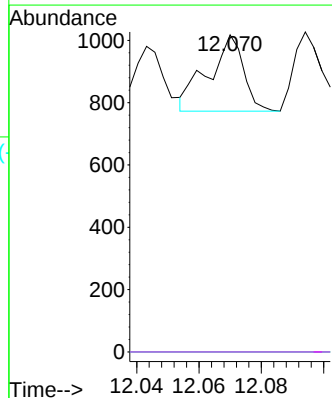
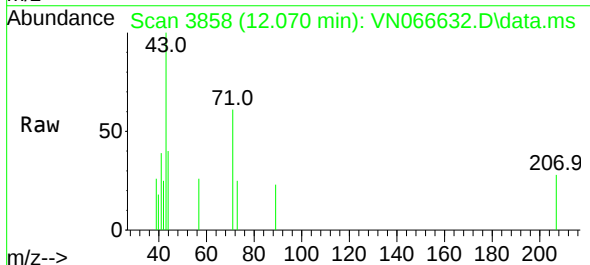
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

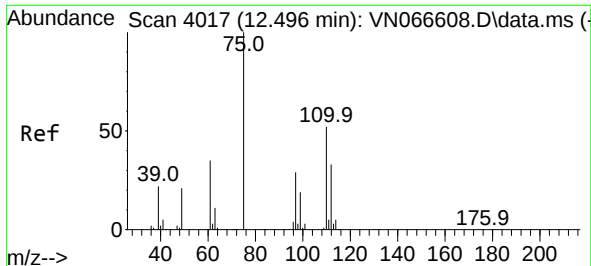
Tgt Ion:152 Resp: 160177
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.6
150 162.1 0.0 347.6



#74
N-ethyl acetate
Concen: 9.77 ug/l
RT: 12.070 min Scan# 3858
Delta R.T. 0.051 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#

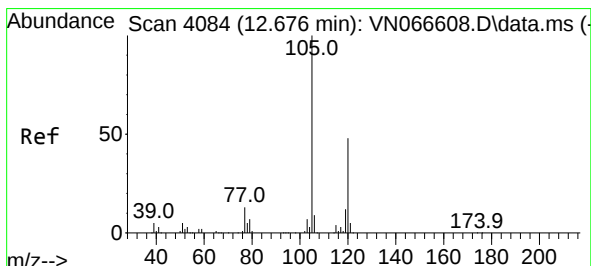
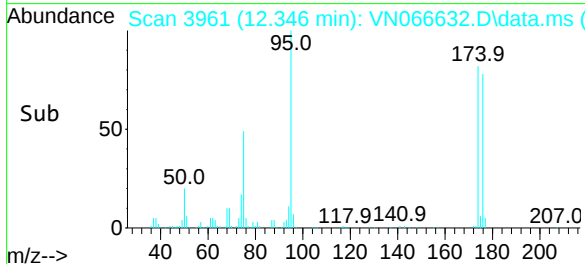
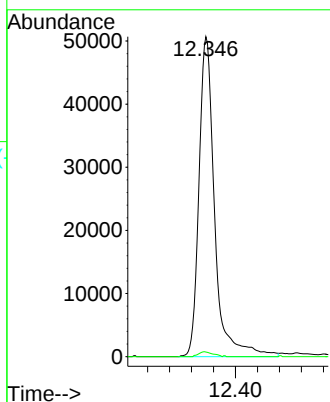
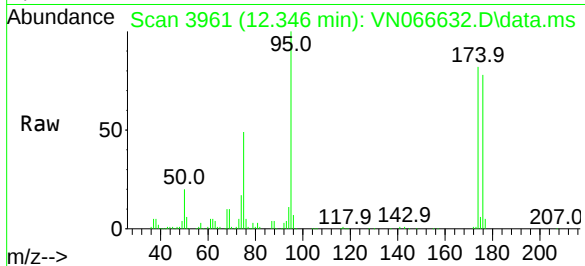




#76
1,2,3-Trichloropropane
Concen: 26.79 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

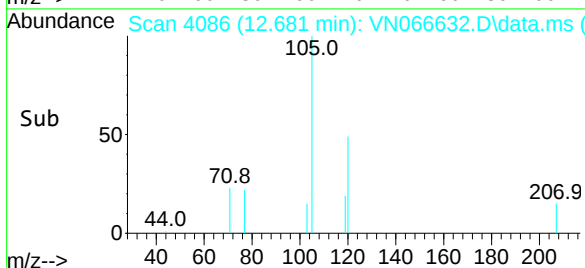
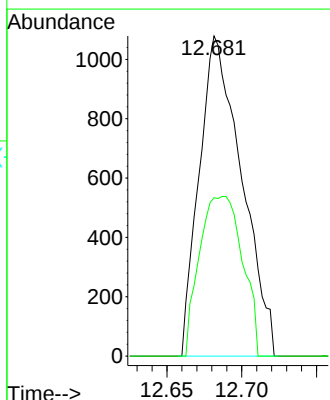
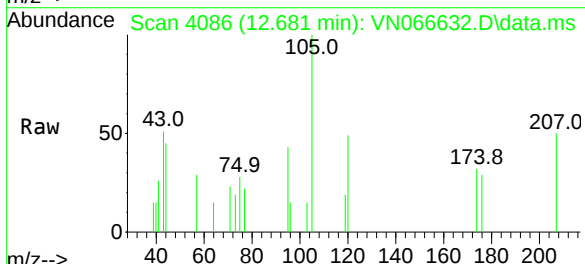
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

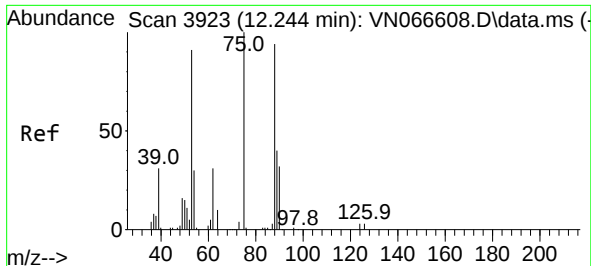
Tgt Ion: 75 Resp: 100359
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 12.681 min Scan# 4086
Delta R.T. 0.005 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Tgt Ion: 105 Resp: 2123
Ion Ratio Lower Upper
105 100
120 50.6 24.3 72.8

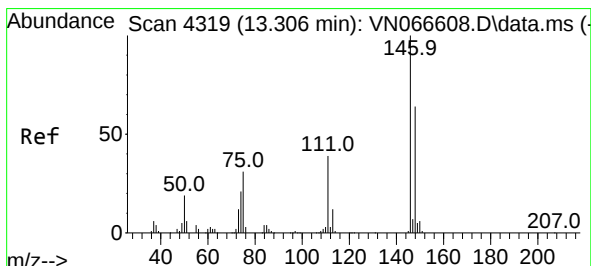
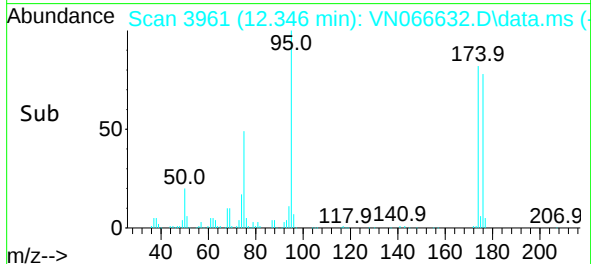
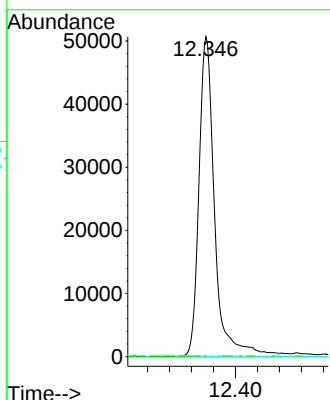
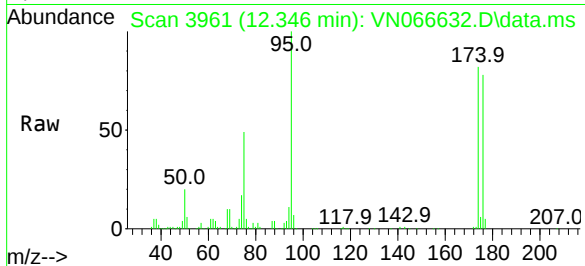




#81
trans-1,4-Dichloro-2-butene
Concen: 82.59 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

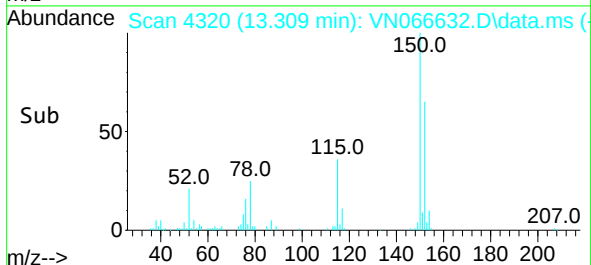
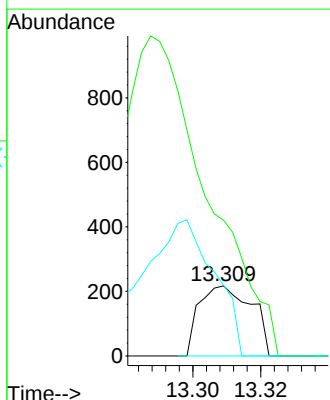
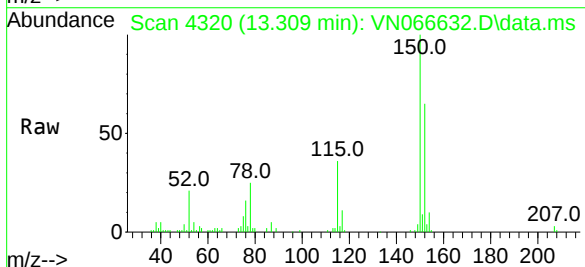
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02

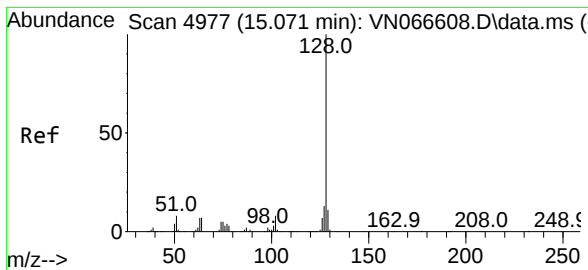
Tgt Ion: 75 Resp: 100359
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.309 min Scan# 4320
Delta R.T. 0.003 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

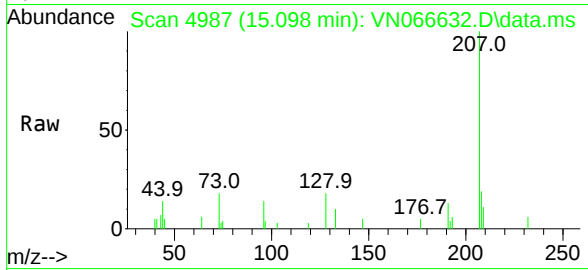
Tgt Ion: 146 Resp: 232
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 0.0 31.8 95.3#





#95
Naphthalene
Concen: 0.34 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066632.D
Acq: 16 Apr 2021 17:43

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#02



Tgt Ion:	128	Resp:	2740
Ion Ratio	Lower	Upper	
128	100		
127	1.9	10.2	15.2#
129	0.0	8.6	13.0#

