

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066631.D
 Acq On : 16 Apr 2021 17:20
 Operator : JC/MD
 Sample : PB135768ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#01

Quant Time: Apr 17 05:18:03 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)

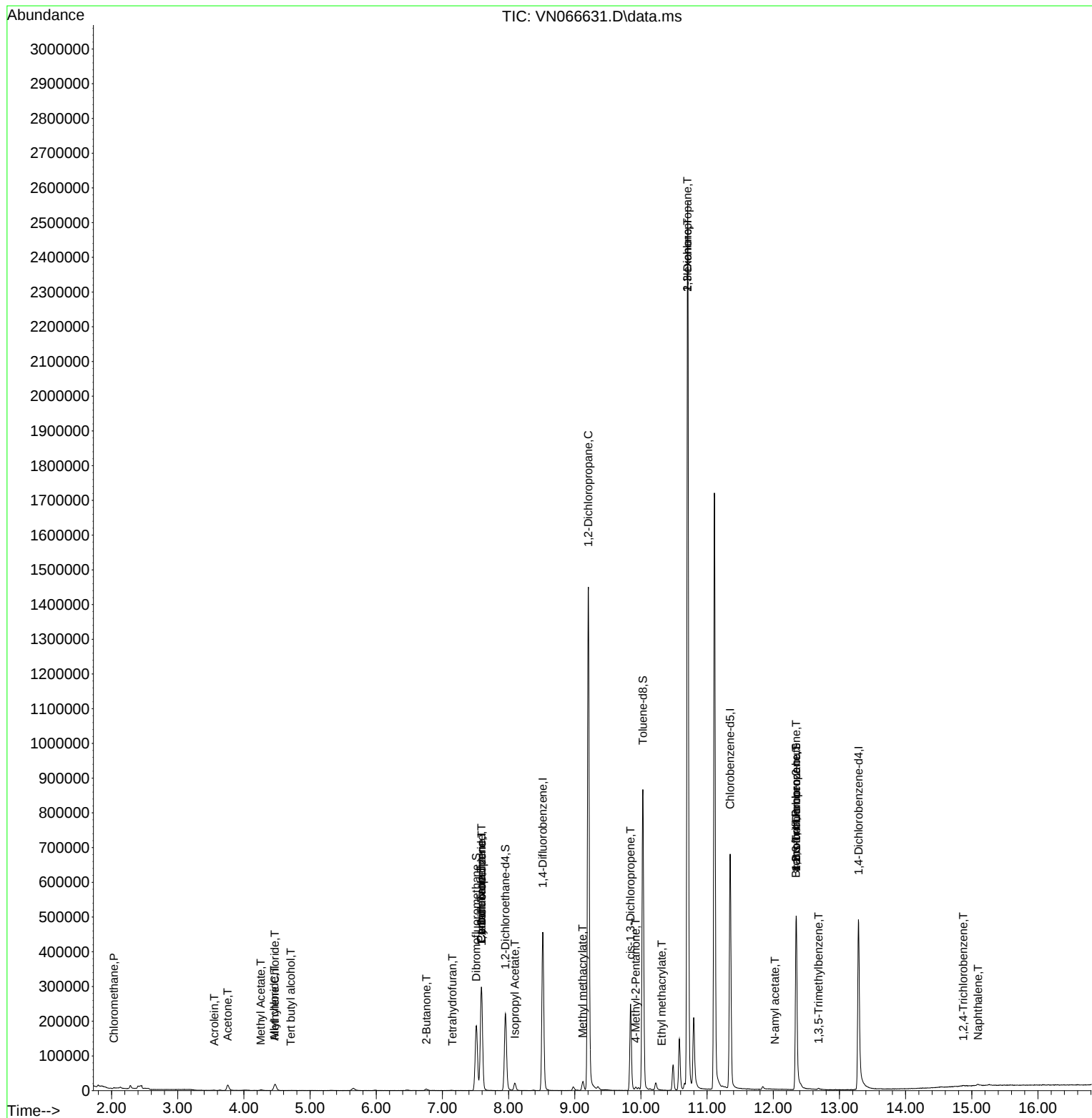
Internal Standards						
1) Pentafluorobenzene	7.591	168	256024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	408892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	400372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	167170	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.950	65	189060	48.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.90%		
35) Dibromofluoromethane	7.513	113	148213	52.27	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.54%		
50) Toluene-d8	10.029	98	596733	53.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.38%		
62) 4-Bromofluorobenzene	12.346	95	201320	51.52	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.04%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1469	0.32	ug/l	89
11) Tert butyl alcohol	4.708	59	968	1.56	ug/l #	73
13) Acrolein	3.552	56	815	2.47	ug/l	93
14) Allyl chloride	4.458	41	295	0.26	ug/l #	25
16) Acetone	3.756	43	26603	11.15	ug/l	99
18) Methyl Acetate	4.252	43	2005	0.48	ug/l	96
20) Methylene Chloride	4.466	84	13639	3.74	ug/l	95
25) 2-Butanone	6.757	43	7832	3.44	ug/l #	88
29) Tetrahydrofuran	7.148	42	795	0.52	ug/l #	32
31) Cyclohexane	7.588	56	5331	0.96	ug/l #	18
36) 1,1-Dichloropropene	7.594	75	19656	4.77	ug/l #	47
38) Carbon Tetrachloride	7.591	117	22697	5.88	ug/l #	17
43) Isopropyl Acetate	8.092	43	26843	3.44	ug/l #	87
45) 1,2-Dichloropropane	9.203	63	1743	0.47	ug/l #	44
48) Methyl methacrylate	9.117	41	7118	2.03	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	6839	1.49	ug/l	88
54) cis-1,3-Dichloropropene	9.844	75	43709	8.12	ug/l #	65
56) Ethyl methacrylate	10.316	69	86	0.91	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	25775	4.79	ug/l #	43
59) 2-Hexanone	10.705	43	387044	120.83	ug/l #	49
71) Bromoform	12.343	173	1446	0.61	ug/l #	1
74) N-amyl acetate	12.024	43	254	9.78	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	101794	26.04	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.684	105	2505	0.23	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.346	75	101794	80.32	ug/l #	12
88) 1,4-Dichlorobenzene	13.314	146	335	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.870	180	707	0.23	ug/l #	78
95) Naphthalene	15.092	128	5621	0.66	ug/l #	83

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

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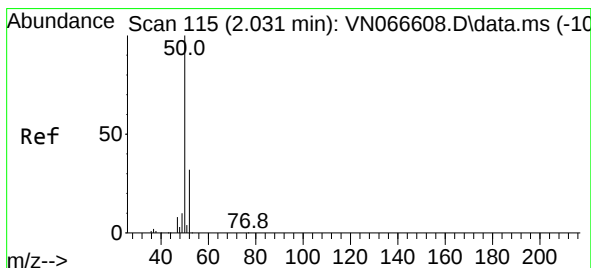
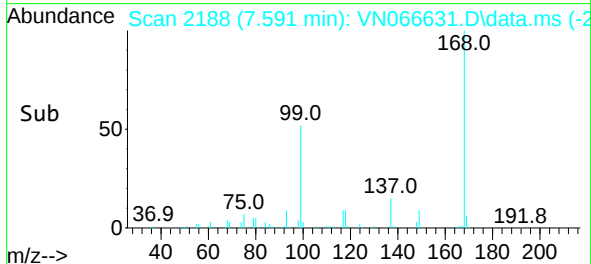
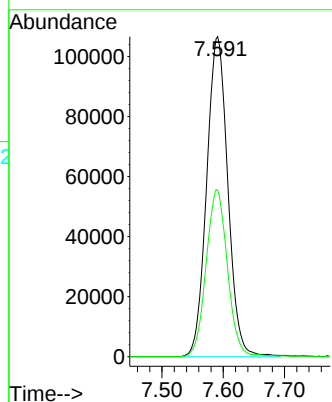
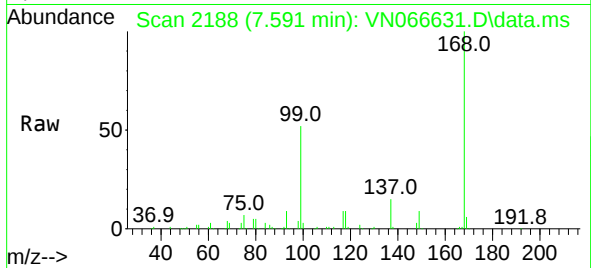




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

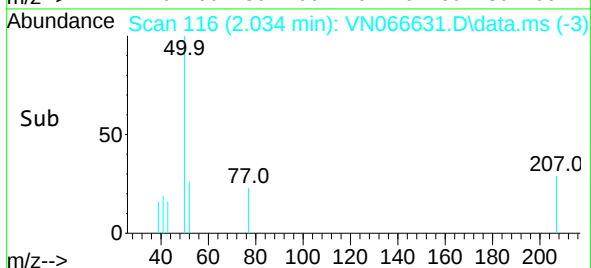
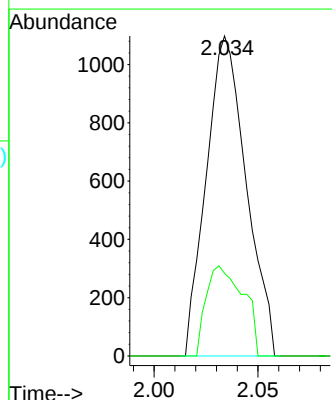
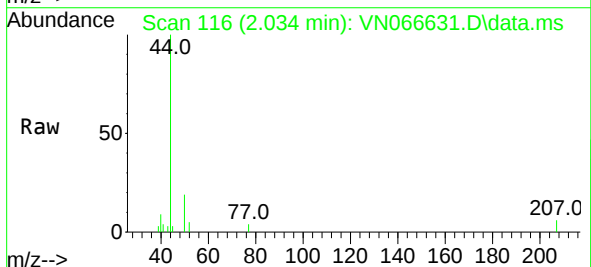
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

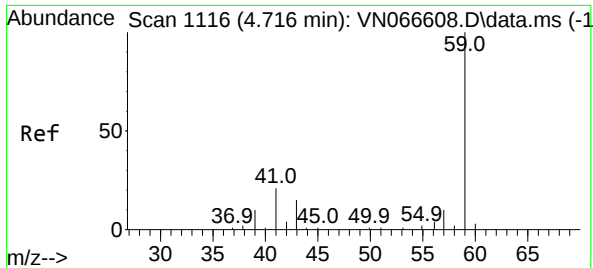
Tgt Ion:168 Resp: 256024
Ion Ratio Lower Upper
168 100
99 52.0 42.6 63.8



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 50 Resp: 1469
Ion Ratio Lower Upper
50 100
52 25.9 25.8 38.8

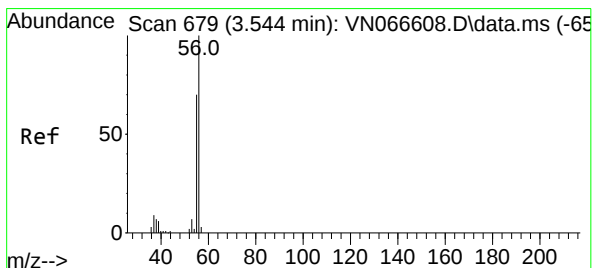
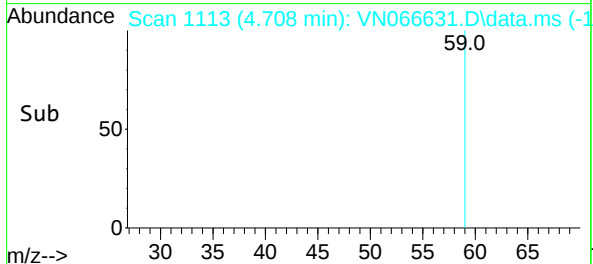
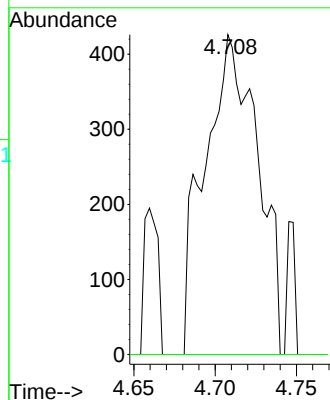
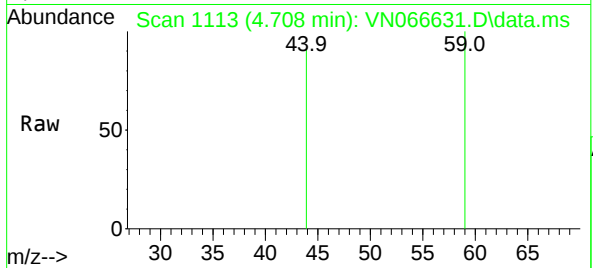




#11
Tert butyl alcohol
Concen: 1.56 ug/l
RT: 4.708 min Scan# 1113
Delta R.T. -0.008 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

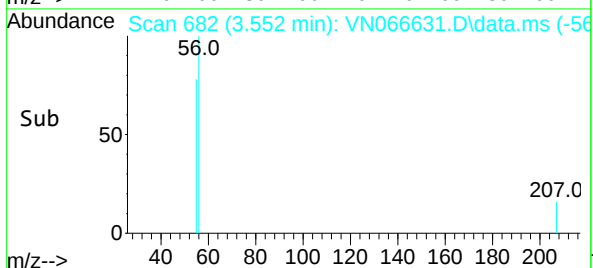
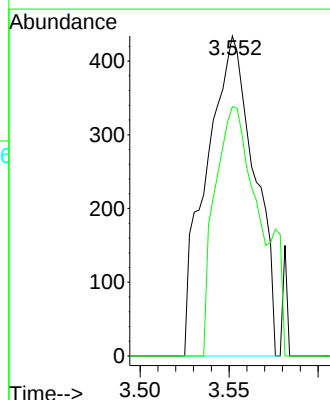
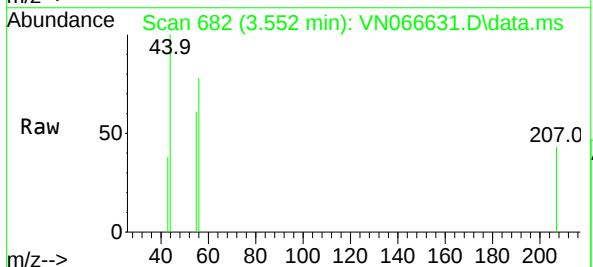
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

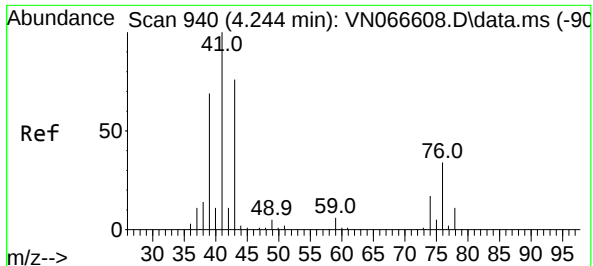
Tgt Ion: 59 Resp: 968
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 2.47 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.008 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 56 Resp: 815
Ion Ratio Lower Upper
56 100
55 64.0 56.0 84.0

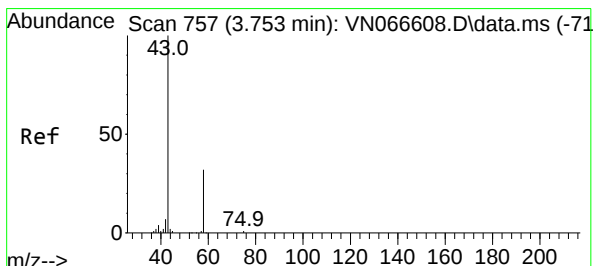
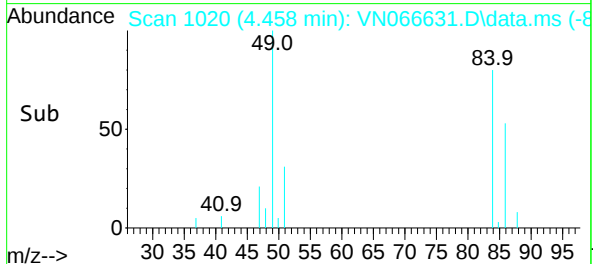
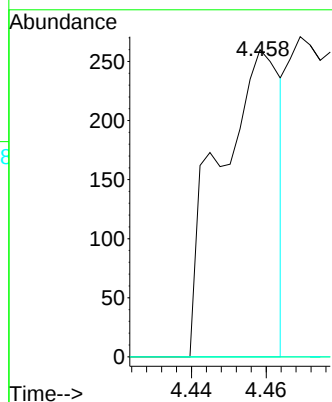
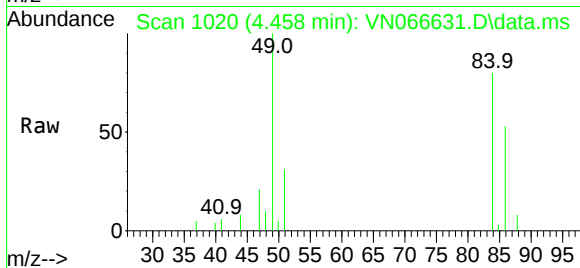




#14
 Allyl chloride
 Concen: 0.26 ug/l
 RT: 4.458 min Scan# 1020
 Delta R.T. 0.214 min
 Lab File: VN066631.D
 Acq: 16 Apr 2021 17:20

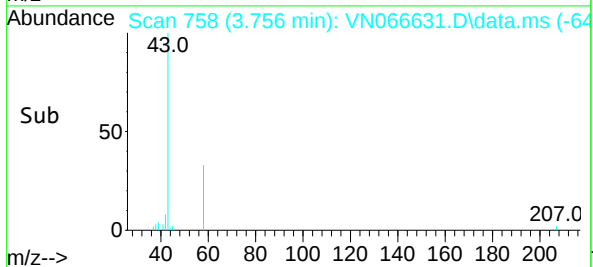
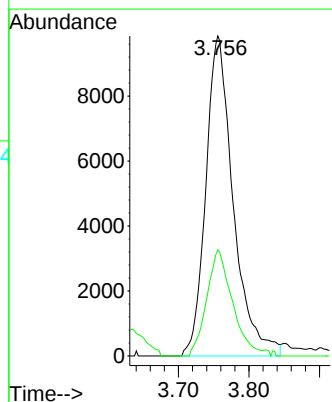
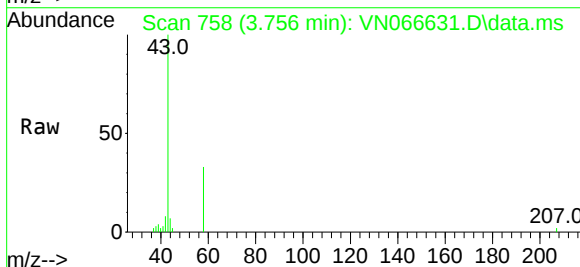
Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#01

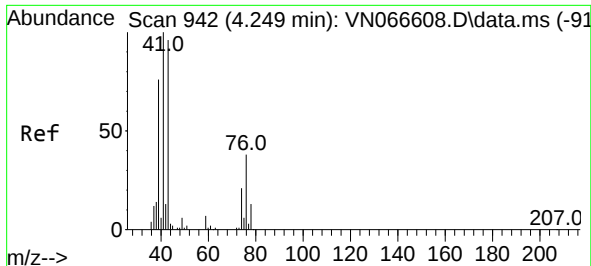
Tgt Ion: 41 Resp: 295
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.0 79.4#
 76 0.0 28.9 43.3#



#16
 Acetone
 Concen: 11.15 ug/l
 RT: 3.756 min Scan# 758
 Delta R.T. 0.003 min
 Lab File: VN066631.D
 Acq: 16 Apr 2021 17:20

Tgt Ion: 43 Resp: 26603
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.0 40.6





#18

Methyl Acetate

Concen: 0.48 ug/l

RT: 4.252 min Scan# 943

Delta R.T. 0.003 min

Lab File: VN066631.D

Acq: 16 Apr 2021 17:20

Instrument :

MSVOA_N

ClientSampleId :

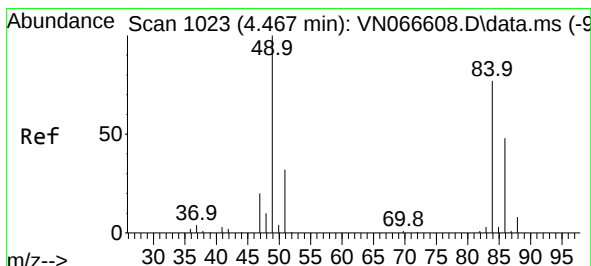
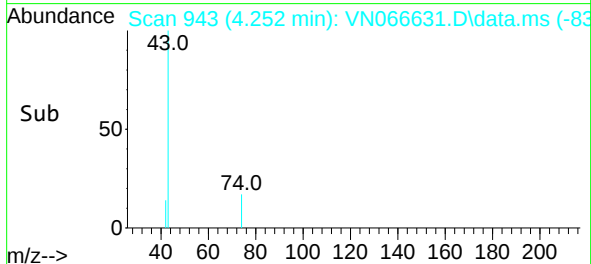
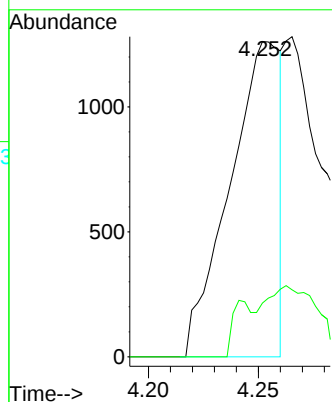
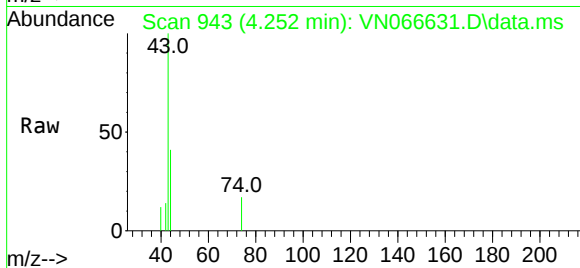
PB135768ZHE#01

Tgt Ion: 43 Resp: 2005

Ion Ratio Lower Upper

43 100

74 22.4 19.5 29.3



#20

Methylene Chloride

Concen: 3.74 ug/l

RT: 4.466 min Scan# 1023

Delta R.T. -0.001 min

Lab File: VN066631.D

Acq: 16 Apr 2021 17:20

Tgt Ion: 84 Resp: 13639

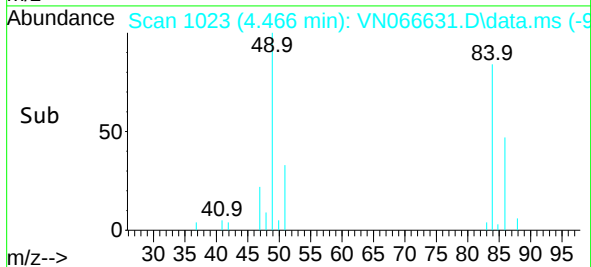
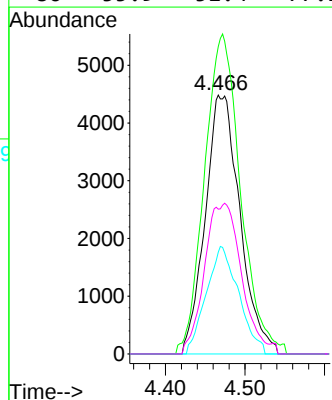
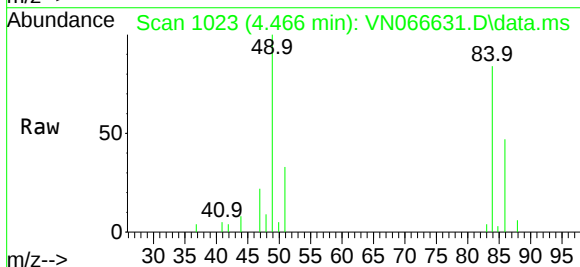
Ion Ratio Lower Upper

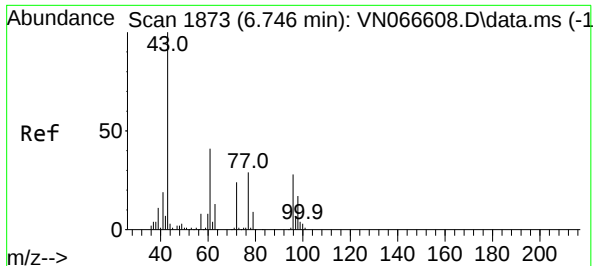
84 100

49 115.3 94.6 141.8

51 39.3 29.9 44.9

86 55.9 51.4 77.2

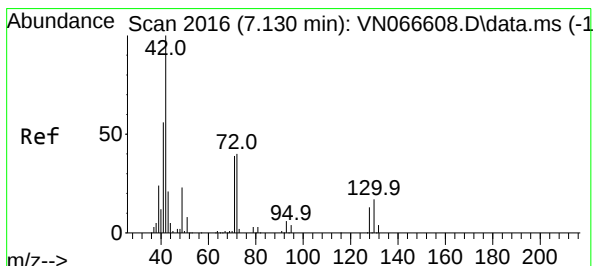
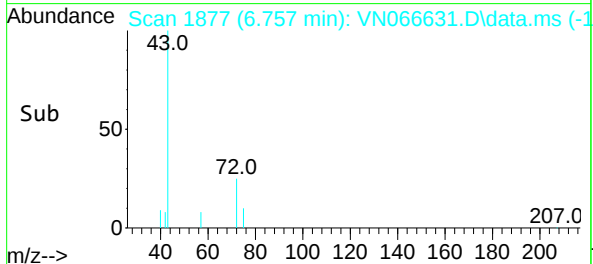
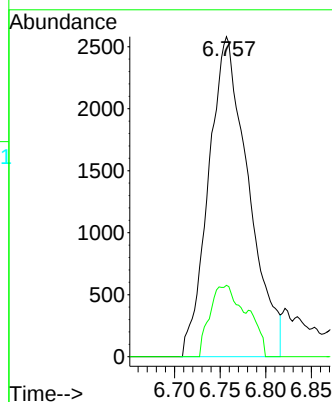
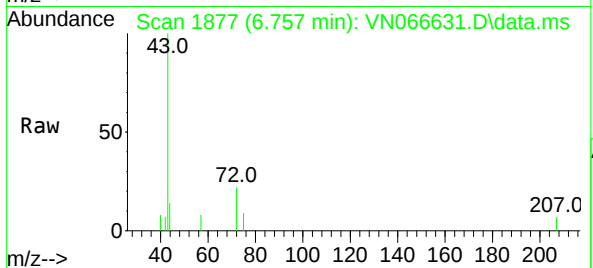




#25
2-Butanone
Concen: 3.44 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. 0.011 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

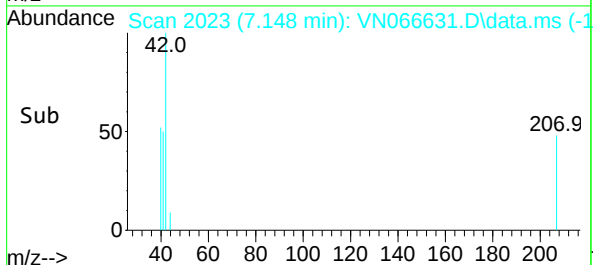
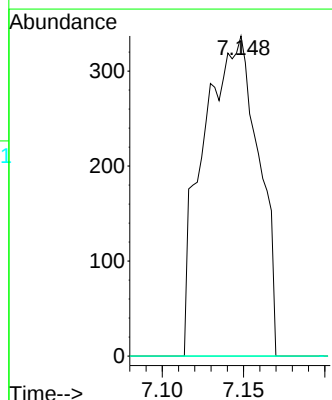
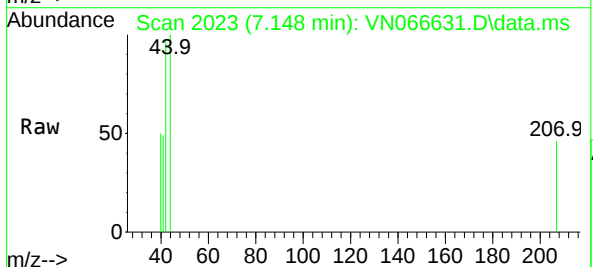
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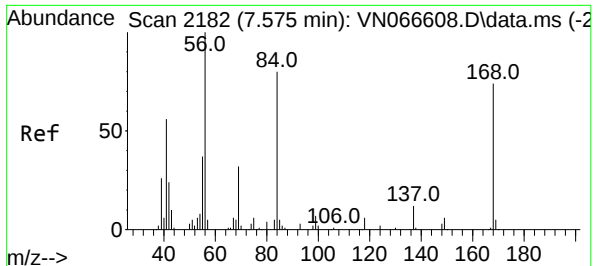
Tgt Ion: 43 Resp: 7832
Ion Ratio Lower Upper
43 100
72 22.3 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.52 ug/l
RT: 7.148 min Scan# 2023
Delta R.T. 0.018 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

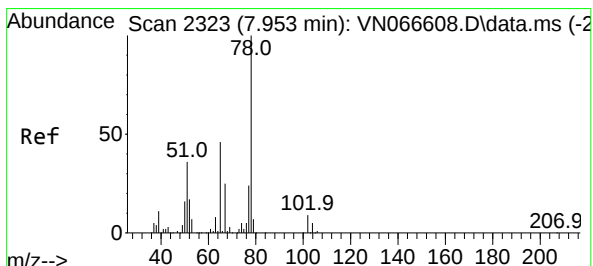
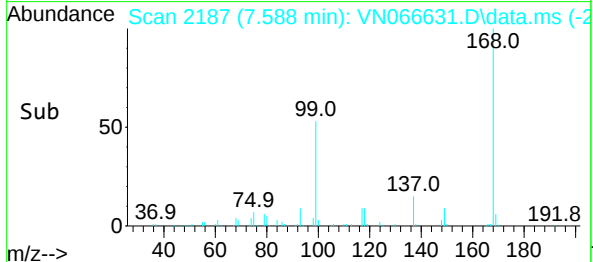
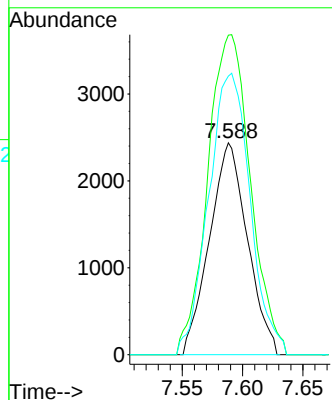
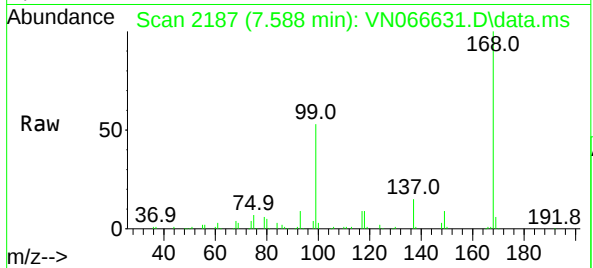




#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

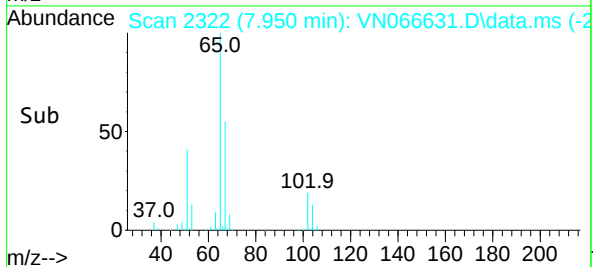
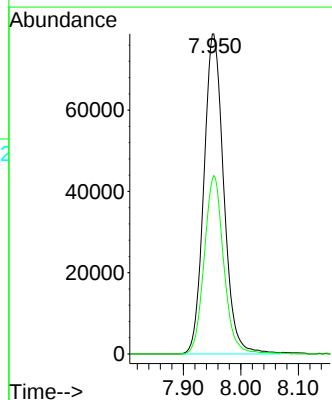
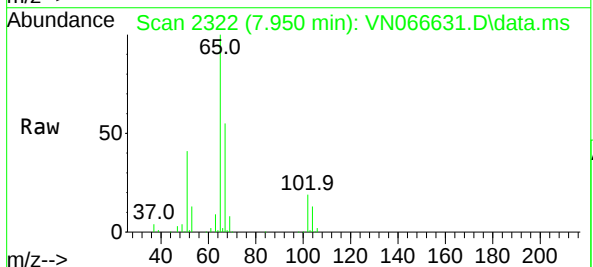
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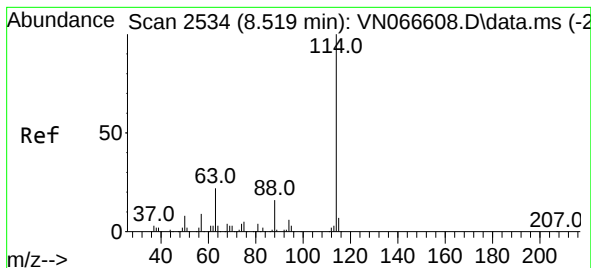
Tgt Ion: 56 Resp: 5331
Ion Ratio Lower Upper
56 100
69 143.3 26.6 39.8#
84 125.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.95 ug/l
RT: 7.950 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 65 Resp: 189060
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2

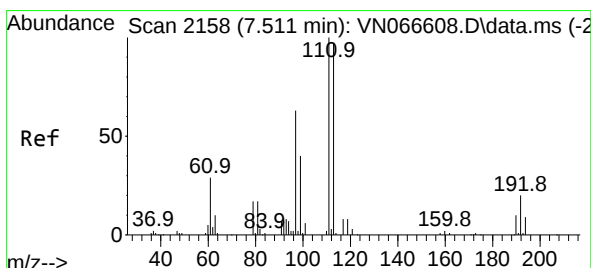
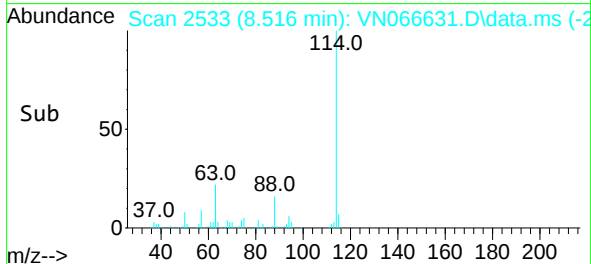
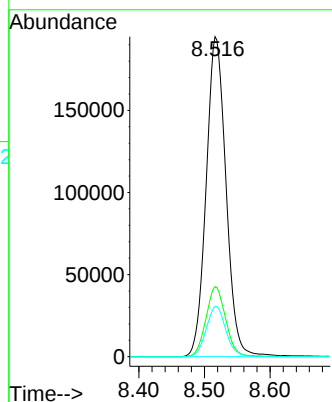
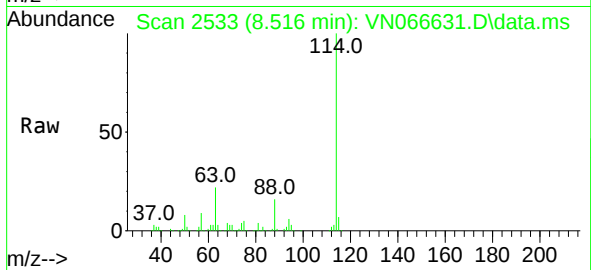




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

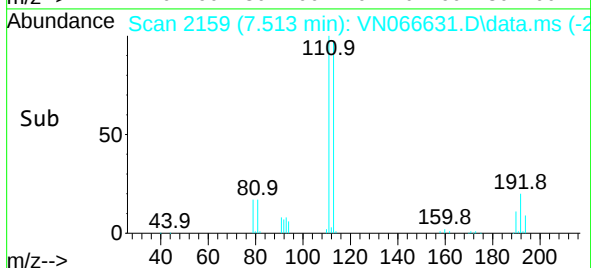
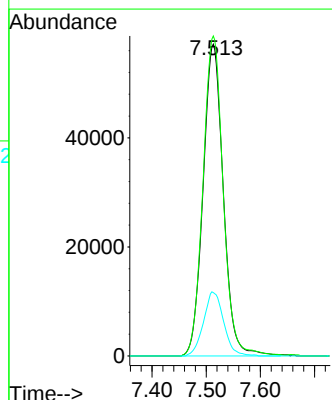
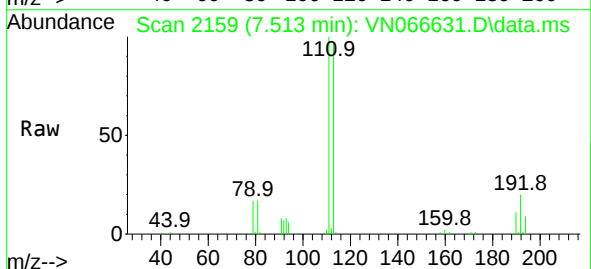
Instrument :
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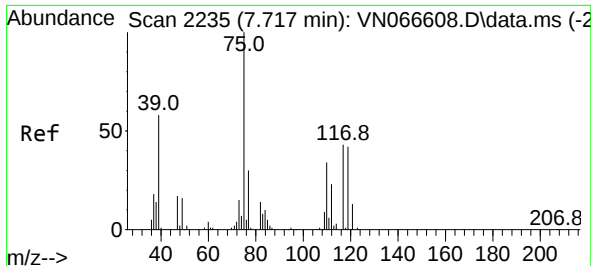
Tgt Ion:114 Resp: 408892
Ion Ratio Lower Upper
114 100
63 21.9 0.0 38.6
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.27 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

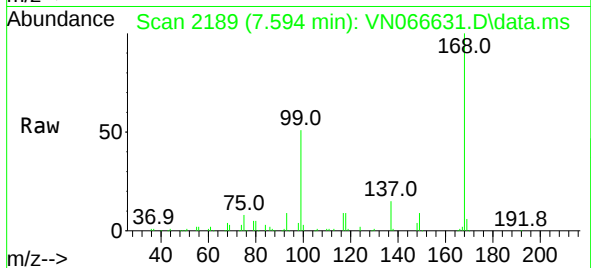
Tgt Ion:113 Resp: 148213
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 20.4 15.4 23.0



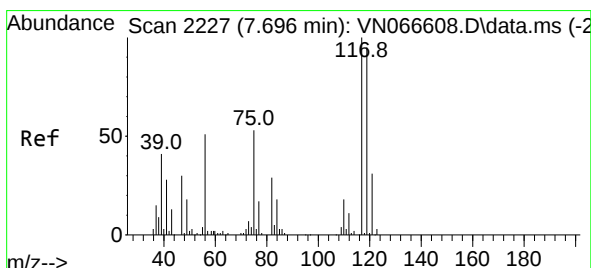
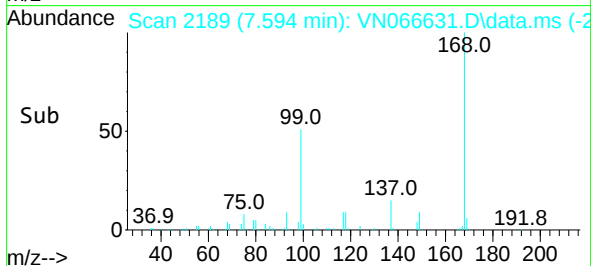
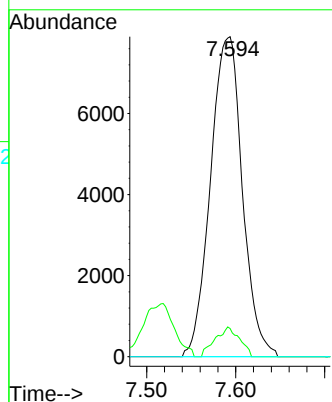


#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

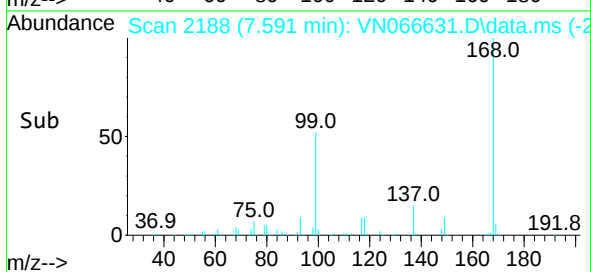
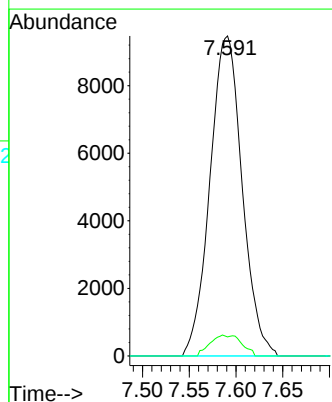
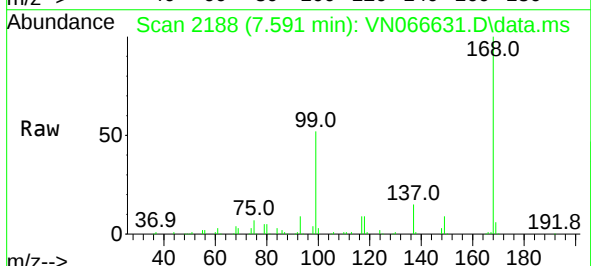


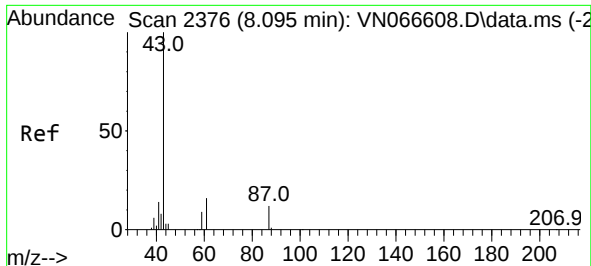
Tgt Ion: 75 Resp: 19656
Ion Ratio Lower Upper
75 100
110 7.1 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

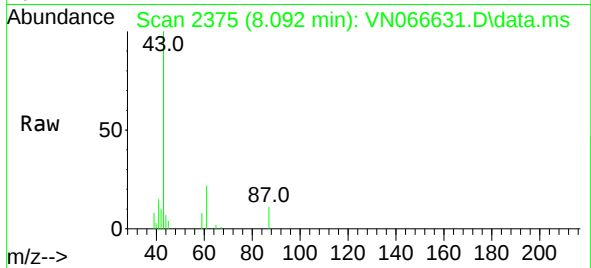
Tgt Ion: 117 Resp: 22697
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#



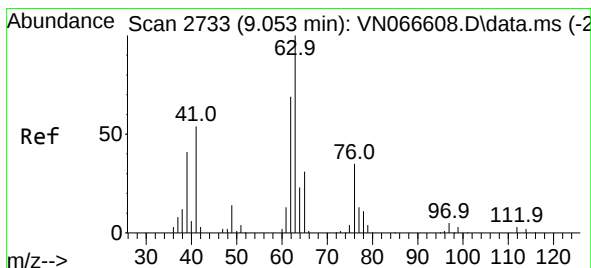
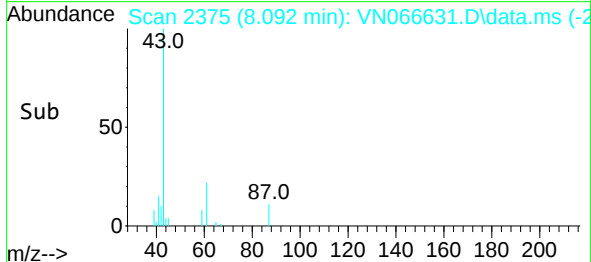
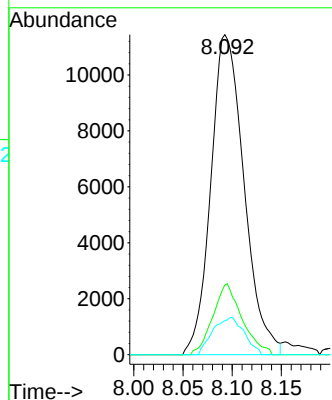


#43
Isopropyl Acetate
Concen: 3.44 ug/l
RT: 8.092 min Scan# 2375
Delta R.T. -0.003 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

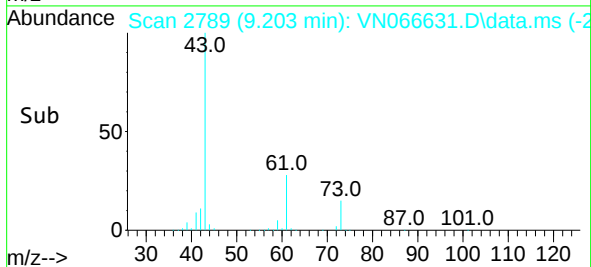
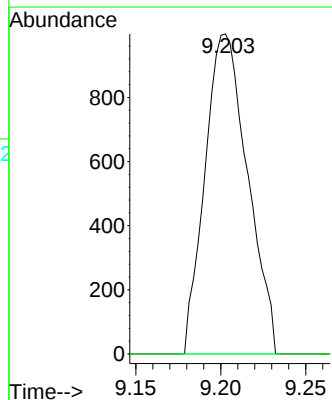
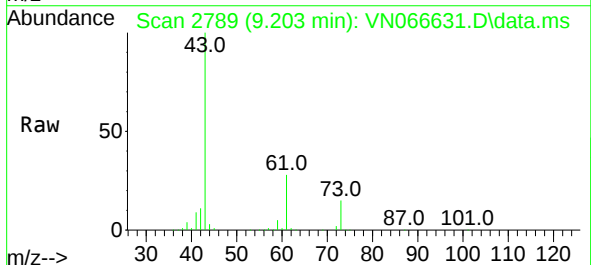


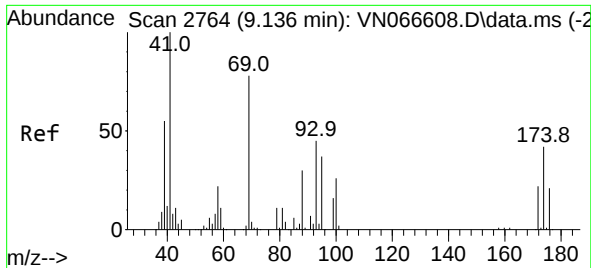
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	22.5	33.7#
87	11.0	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

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

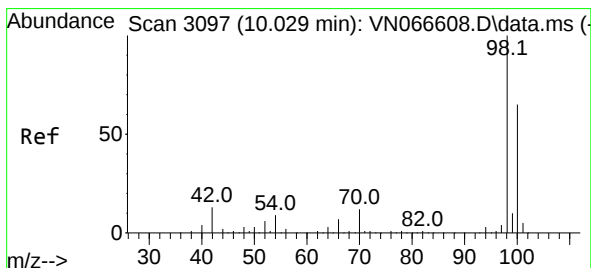
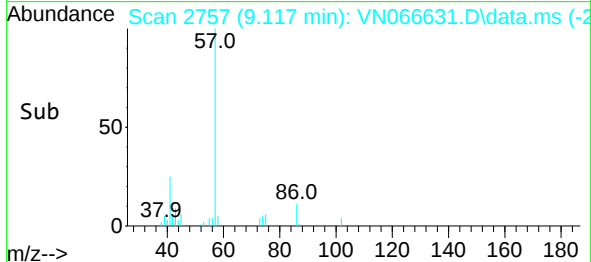
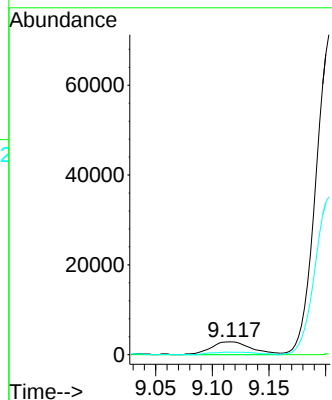
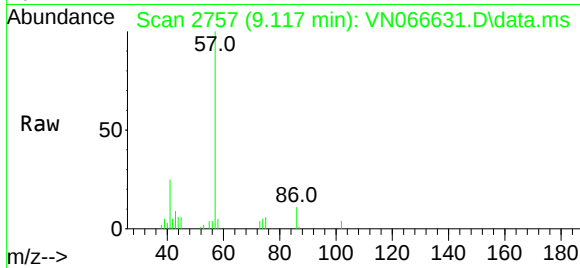




#48
Methyl methacrylate
Concen: 2.03 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

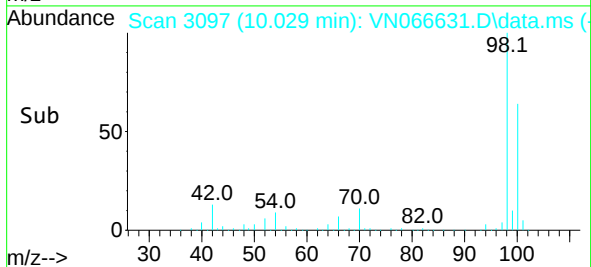
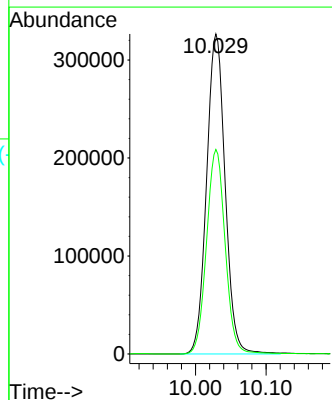
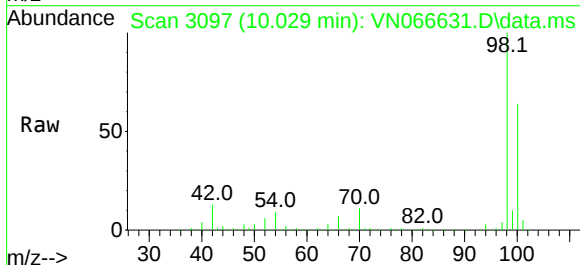
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

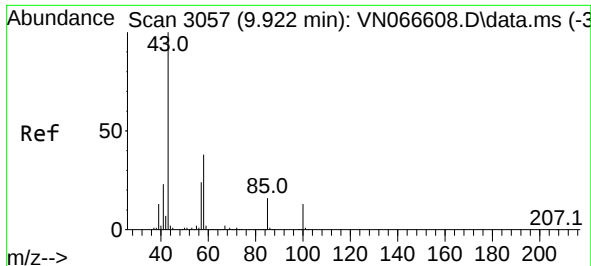
Tgt Ion: 41 Resp: 7118
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.69 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 98 Resp: 596733
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7

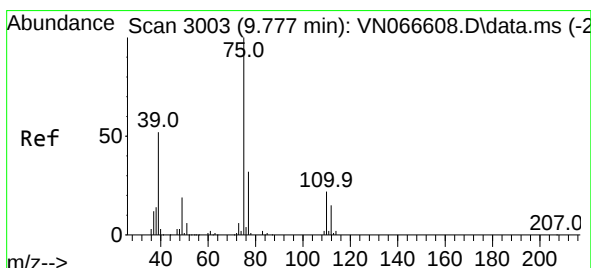
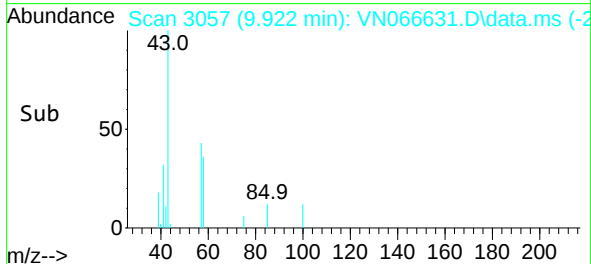
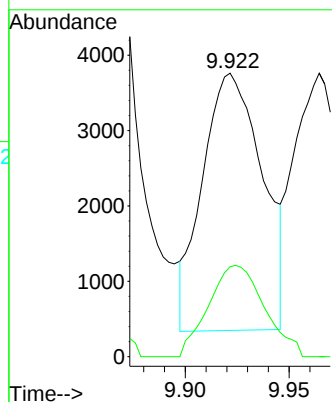
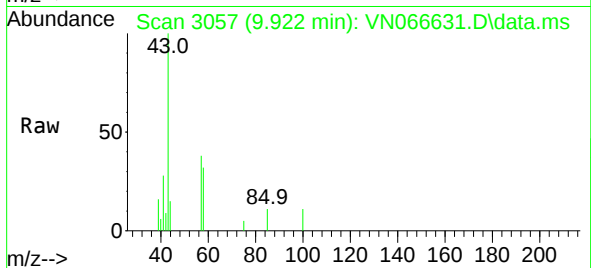




#51
4-Methyl-2-Pentanone
Concen: 1.49 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

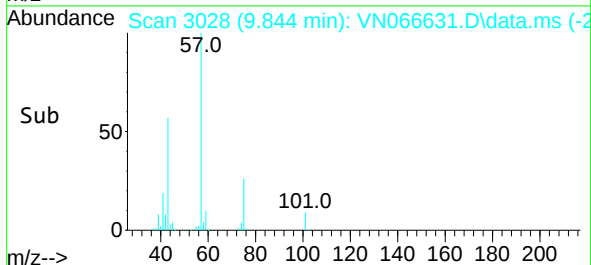
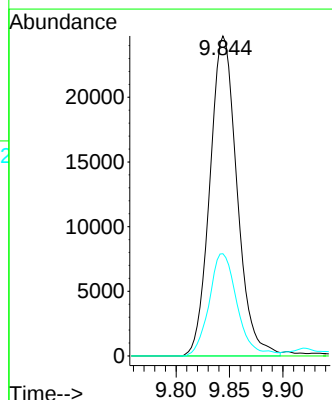
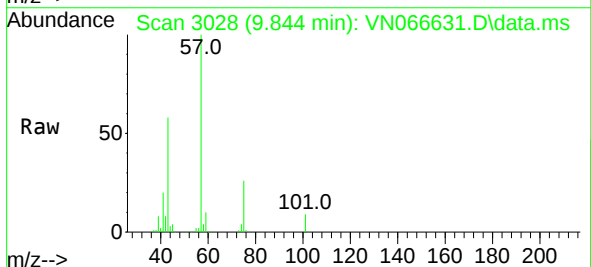
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

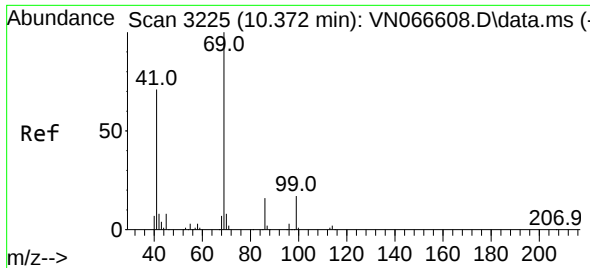
Tgt Ion: 43 Resp: 6839
Ion Ratio Lower Upper
43 100
58 33.2 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.12 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 75 Resp: 43709
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.9 36.2 54.4#

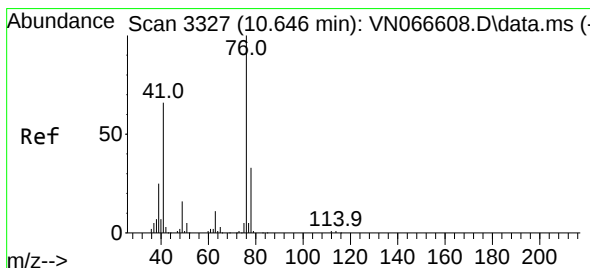
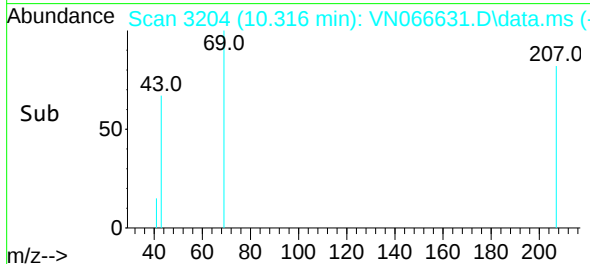
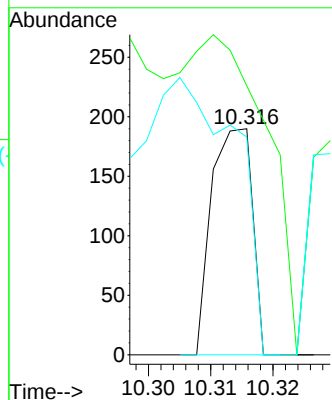
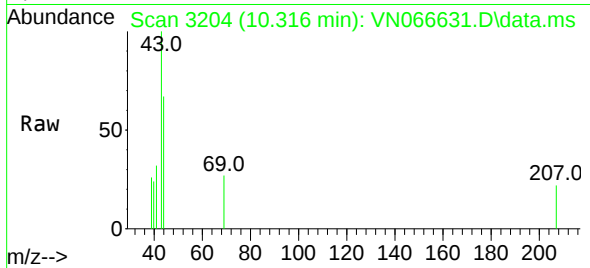




#56
Ethyl methacrylate
Concen: 0.91 ug/l
RT: 10.316 min Scan# 3204
Delta R.T. -0.056 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

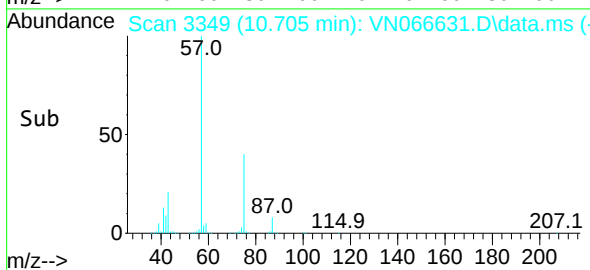
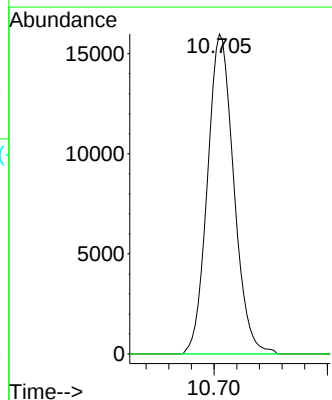
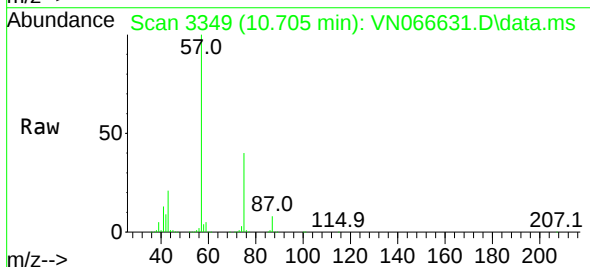
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

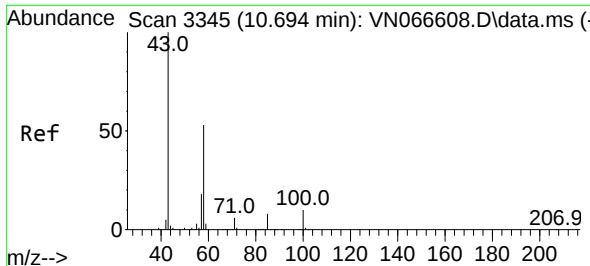
Tgt Ion: 69 Resp: 86
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.79 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 76 Resp: 25775
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

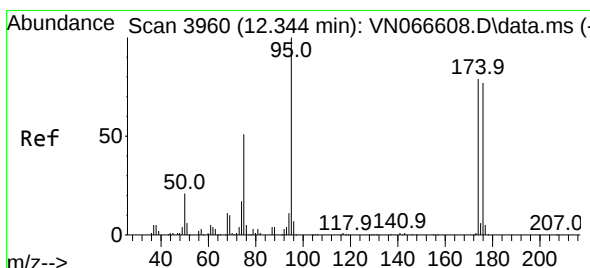
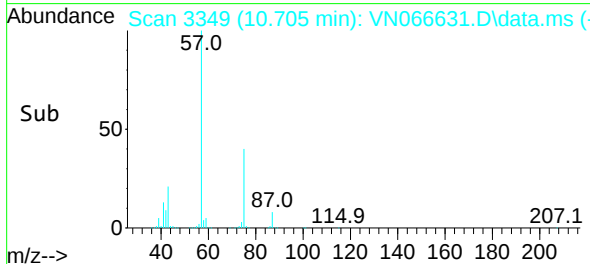
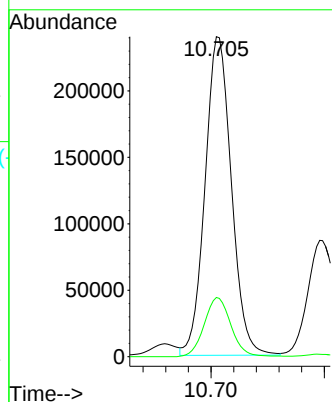
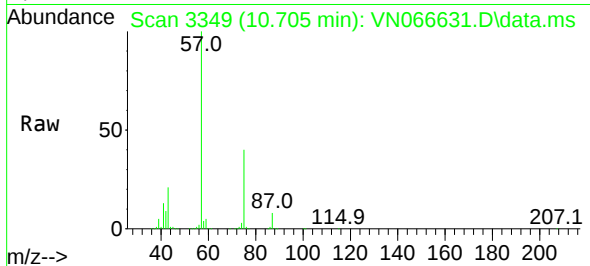




#59
2-Hexanone
Concen: 120.83 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

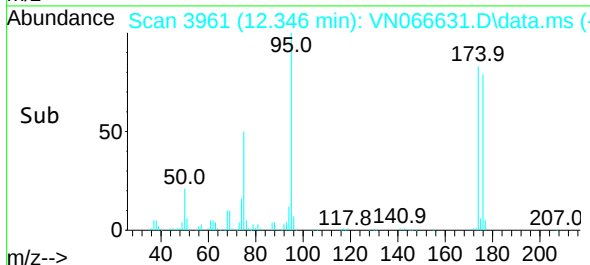
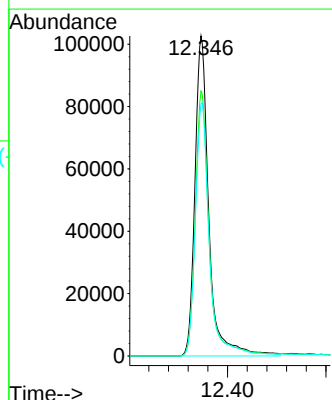
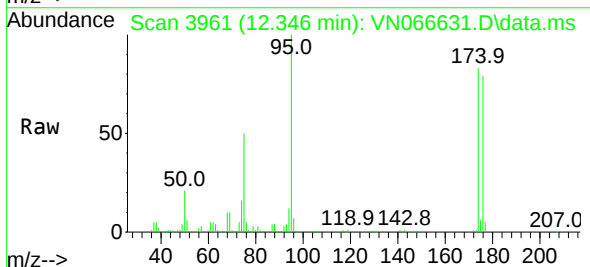
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

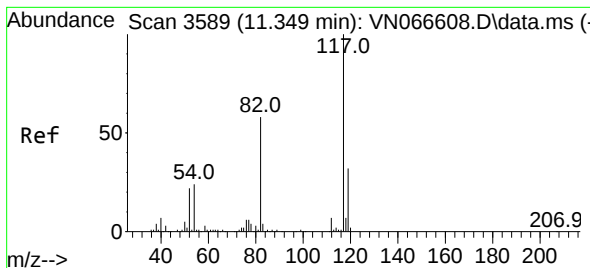
Tgt Ion: 43 Resp: 387044
Ion Ratio Lower Upper
43 100
58 18.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.52 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 95 Resp: 201320
Ion Ratio Lower Upper
95 100
174 82.9 0.0 169.0
176 78.9 0.0 162.4

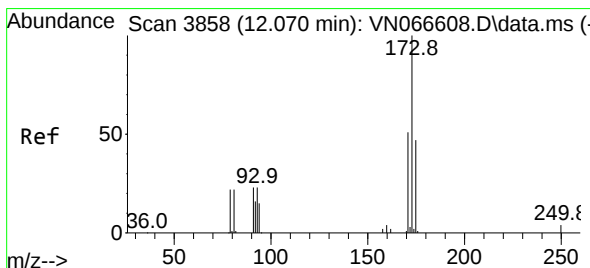
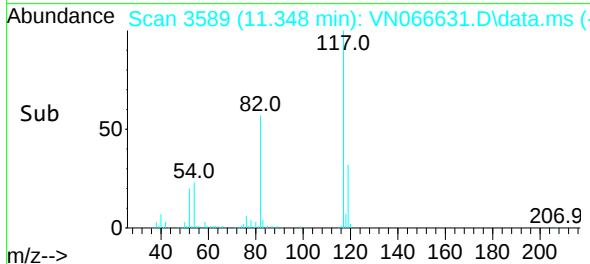
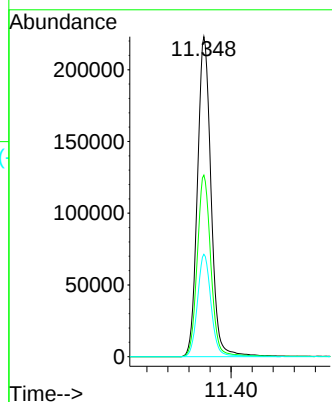
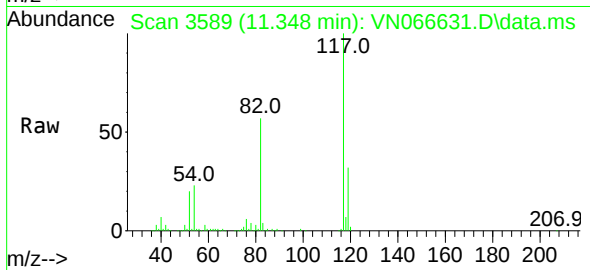




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

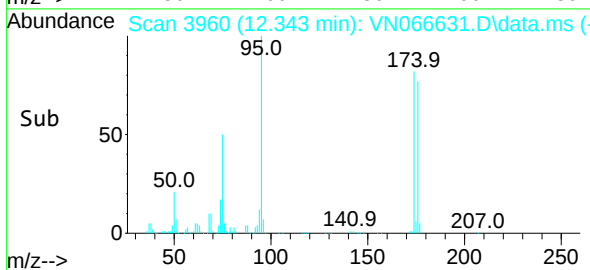
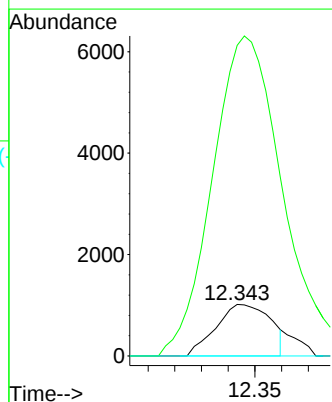
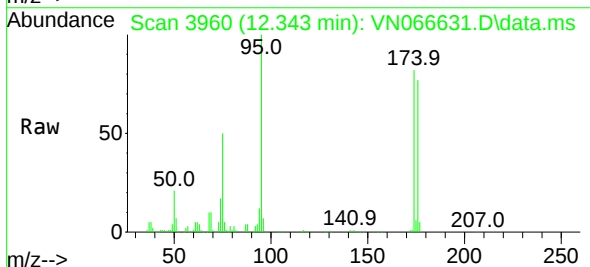
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

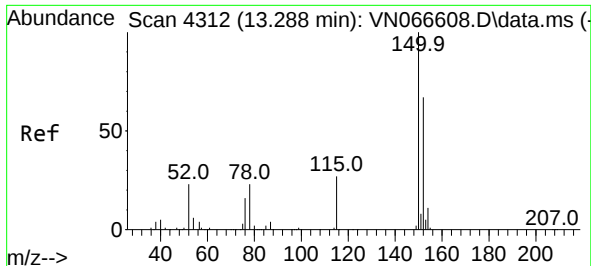
Tgt Ion:117 Resp: 400372
Ion Ratio Lower Upper
117 100
82 56.8 43.7 65.5
119 32.0 26.1 39.1



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.273 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion:173 Resp: 1446
Ion Ratio Lower Upper
173 100
175 675.2 23.8 71.2#
254 0.0 0.0 0.0

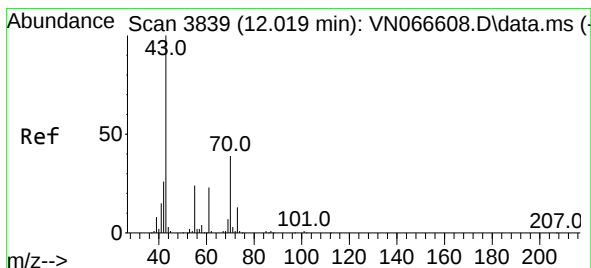
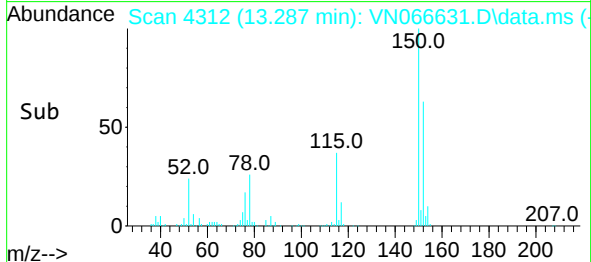
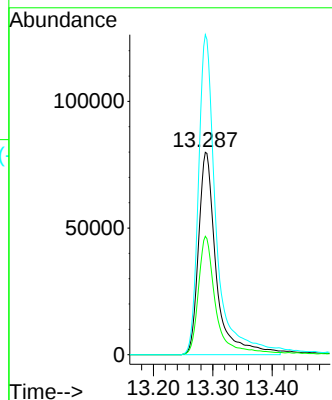
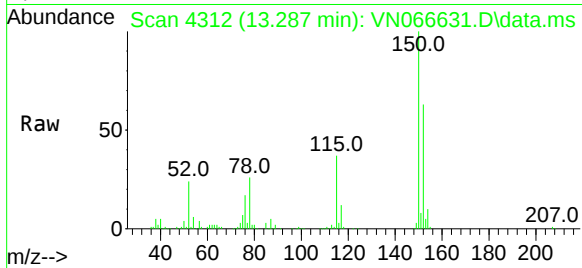




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

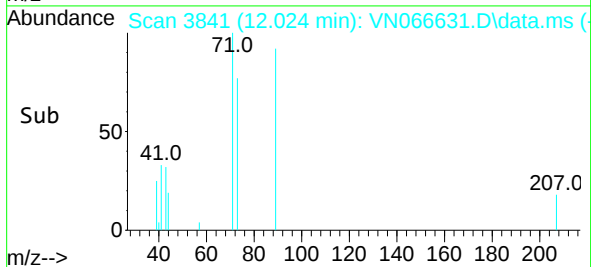
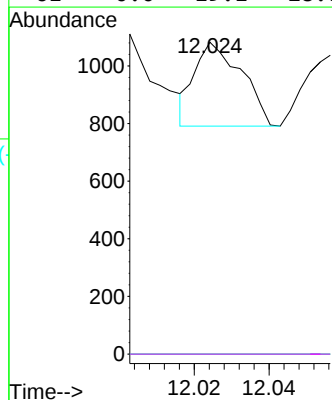
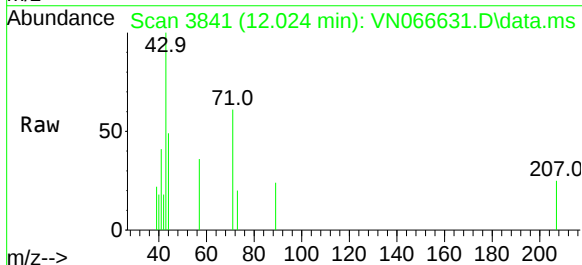
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

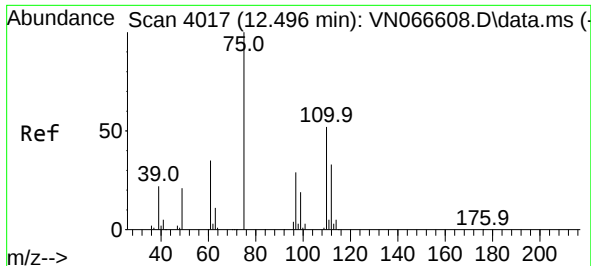
Tgt Ion:152 Resp: 167170
Ion Ratio Lower Upper
152 100
115 58.0 28.5 85.6
150 155.8 0.0 347.6



#74
N-ethyl acetate
Concen: 9.78 ug/l
RT: 12.024 min Scan# 3841
Delta R.T. 0.005 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 43 Resp: 254
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#

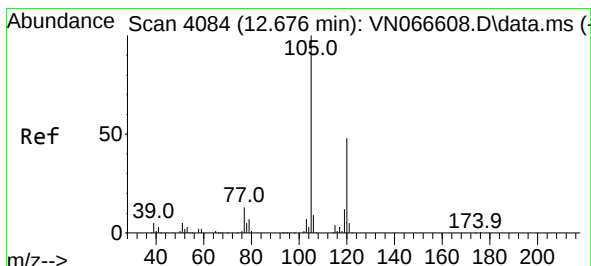
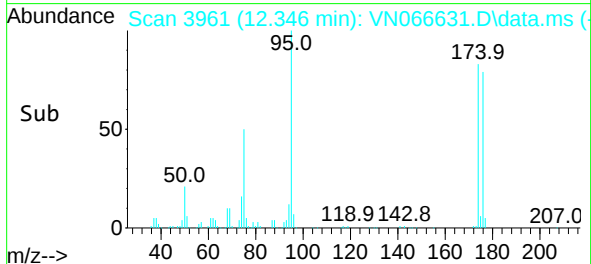
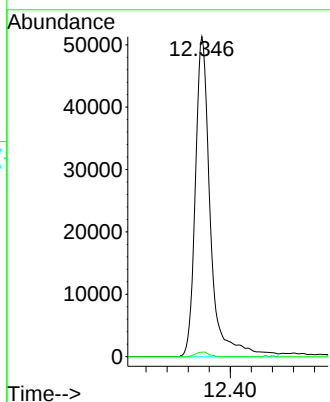
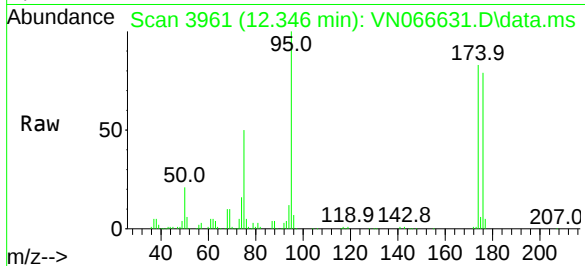




#76
1,2,3-Trichloropropane
Concen: 26.04 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

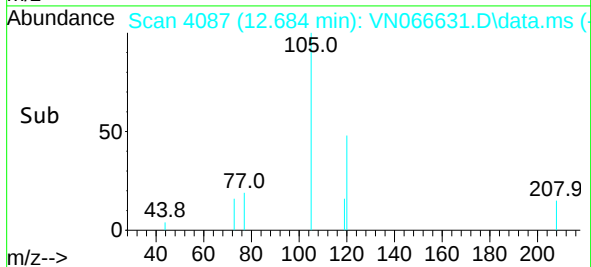
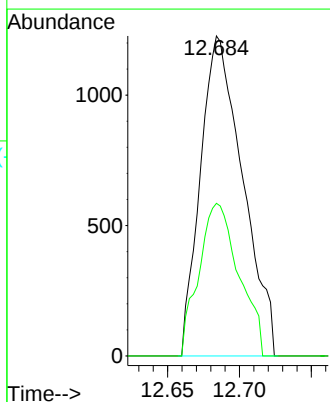
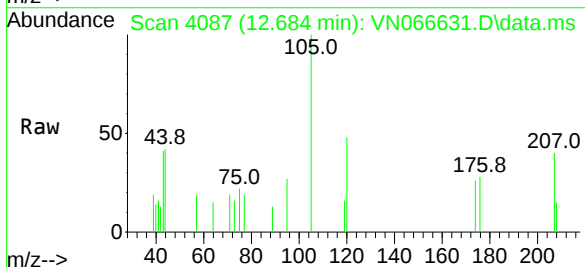
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

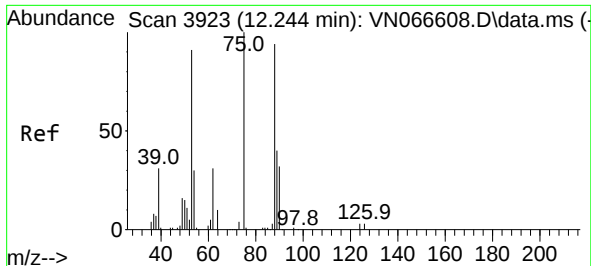
Tgt Ion: 75 Resp: 101794
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.23 ug/l
RT: 12.684 min Scan# 4087
Delta R.T. 0.008 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion:105 Resp: 2505
Ion Ratio Lower Upper
105 100
120 45.3 24.3 72.8

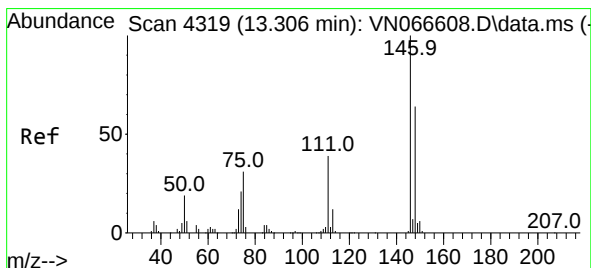
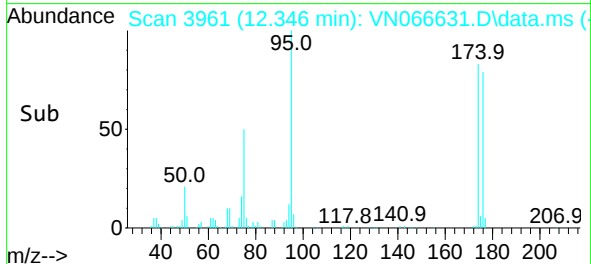
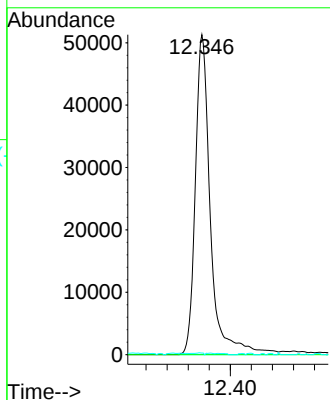
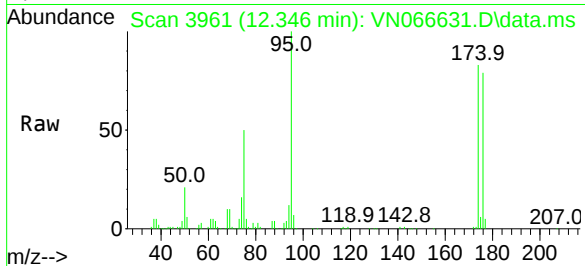




#81
trans-1,4-Dichloro-2-butene
Concen: 80.32 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

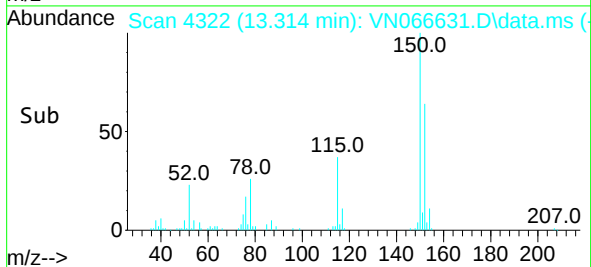
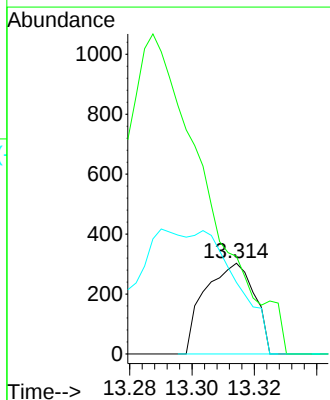
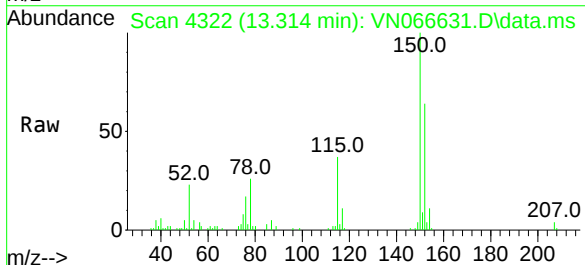
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

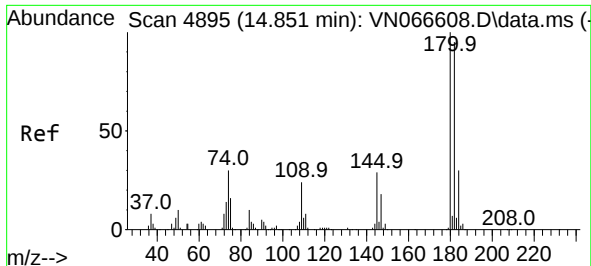
Tgt Ion: 75 Resp: 101794
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.314 min Scan# 4322
Delta R.T. 0.008 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion: 146 Resp: 335
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 0.0 31.8 95.3#

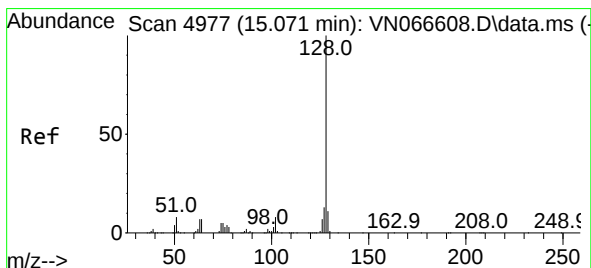
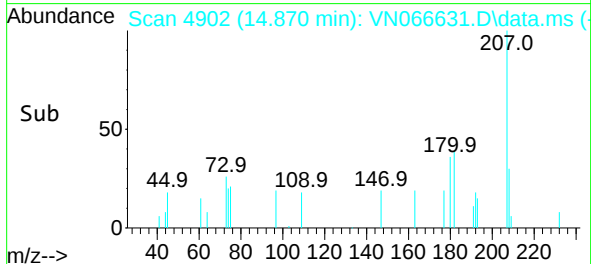
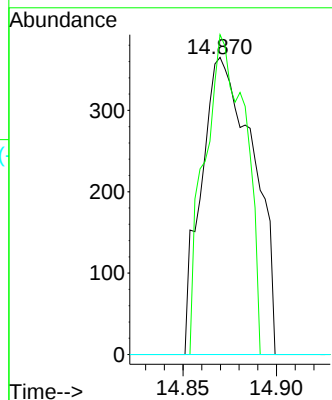
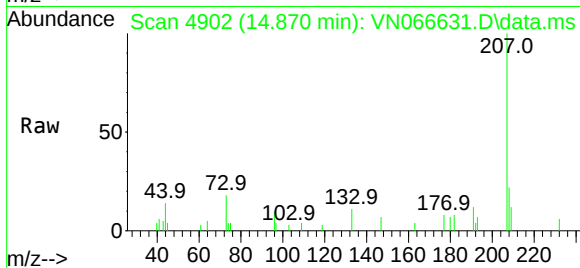




#93
1,2,4-Trichlorobenzene
Concen: 0.23 ug/l
RT: 14.870 min Scan# 4902
Delta R.T. 0.019 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#01

Tgt Ion:180 Resp: 707
Ion Ratio Lower Upper
180 100
182 84.6 47.3 142.0
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 0.66 ug/l
RT: 15.092 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN066631.D
Acq: 16 Apr 2021 17:20

Tgt Ion:128 Resp: 5621
Ion Ratio Lower Upper
128 100
127 5.9 10.2 15.2#
129 4.7 8.6 13.0#

