

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041621\
 Data File : VN066639.D
 Acq On : 16 Apr 2021 20:29
 Operator : JC/MD
 Sample : PB135768ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#09

Quant Time: Apr 17 05:20:18 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)

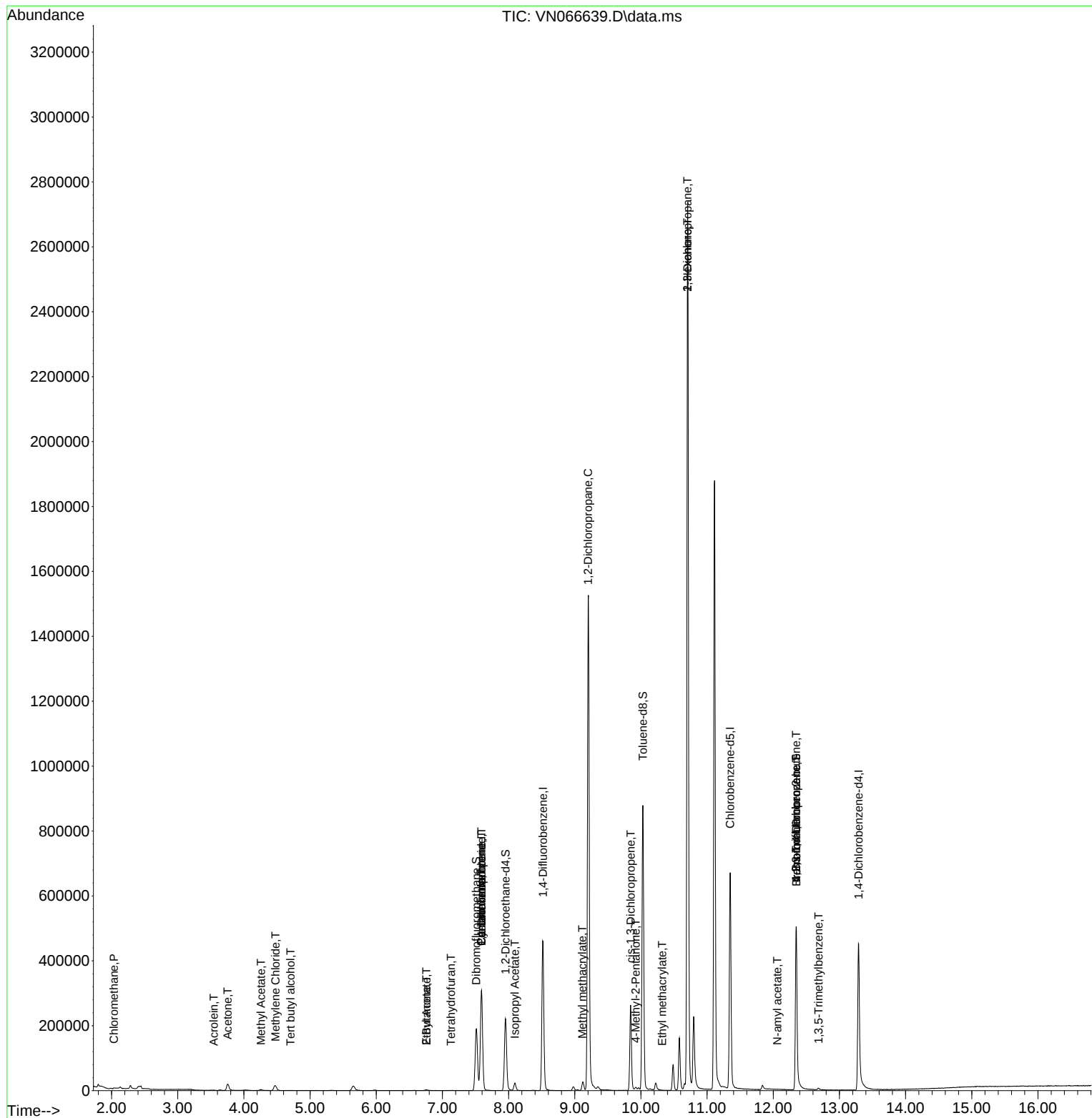
Internal Standards						
1) Pentafluorobenzene	7.591	168	261834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	411249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	392593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	154073	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	191109	48.38	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.76%		
35) Dibromofluoromethane	7.511	113	151581	53.15	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	106.30%		
50) Toluene-d8	10.029	98	610612	54.63	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.26%		
62) 4-Bromofluorobenzene	12.346	95	194152	49.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.80%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1247	0.27	ug/l	92
11) Tert butyl alcohol	4.705	59	242	0.38	ug/l #	73
13) Acrolein	3.544	56	505	1.49	ug/l #	78
16) Acetone	3.756	43	34050	16.17	ug/l	95
18) Methyl Acetate	4.260	43	6408	1.51	ug/l #	81
20) Methylene Chloride	4.477	84	11573	3.10	ug/l	90
25) 2-Butanone	6.757	43	5490	2.36	ug/l	98
29) Tetrahydrofuran	7.130	42	489	0.31	ug/l #	32
31) Cyclohexane	7.591	56	5683	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	19722	4.76	ug/l #	48
37) Ethyl Acetate	6.757	43	5490	1.17	ug/l #	68
38) Carbon Tetrachloride	7.591	117	22960	5.91	ug/l #	17
43) Isopropyl Acetate	8.095	43	28307	3.61	ug/l #	86
45) 1,2-Dichloropropane	9.200	63	1841	0.50	ug/l #	44
48) Methyl methacrylate	9.114	41	7438	2.11	ug/l #	10
49) 1,4-Dioxane	9.203	88	85	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.922	43	6711	1.45	ug/l	93
54) cis-1,3-Dichloropropene	9.847	75	46579	8.60	ug/l #	64
56) Ethyl methacrylate	10.321	69	109	0.92	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	27709	5.12	ug/l #	43
59) 2-Hexanone	10.705	43	408569	126.57	ug/l #	49
71) Bromoform	12.349	173	1356	0.58	ug/l #	1
74) N-amyl acetate	12.059	43	353	9.80	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	95523	26.51	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.684	105	3530	0.36	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.346	75	95523	81.74	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

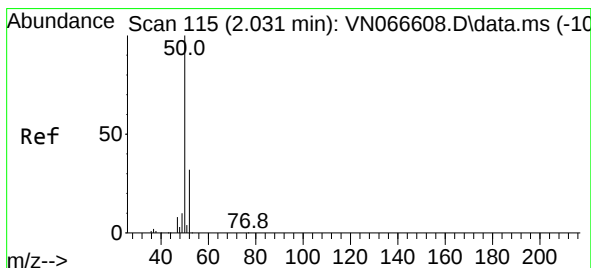
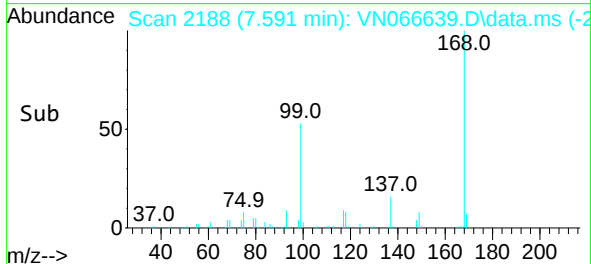
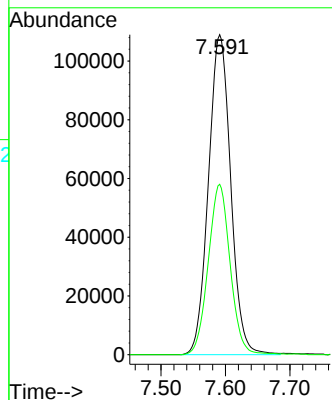
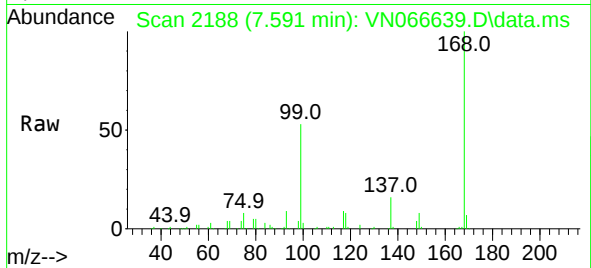




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

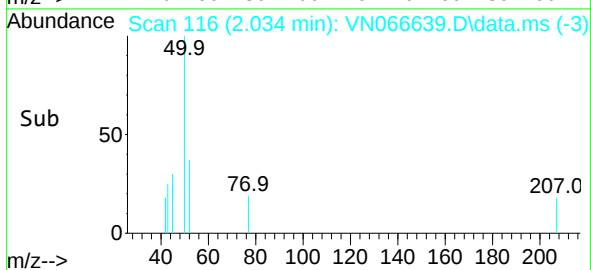
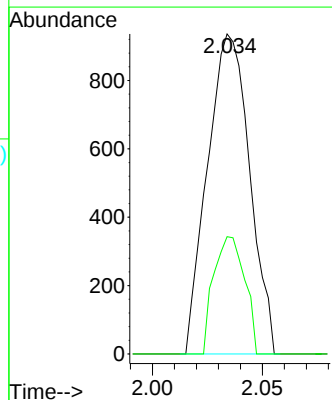
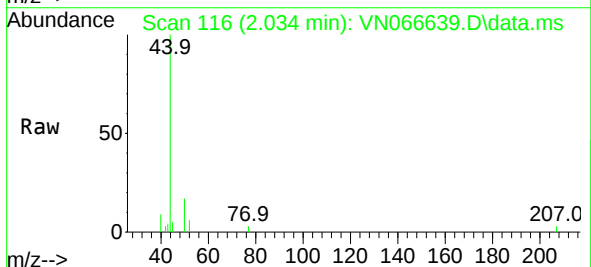
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

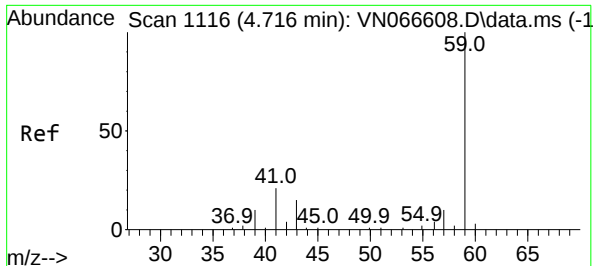
Tgt Ion:168 Resp: 261834
Ion Ratio Lower Upper
168 100
99 53.3 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 36.6 25.8 38.8



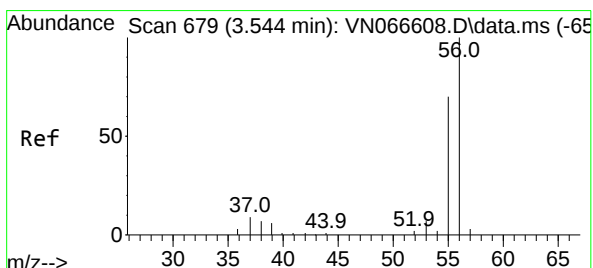
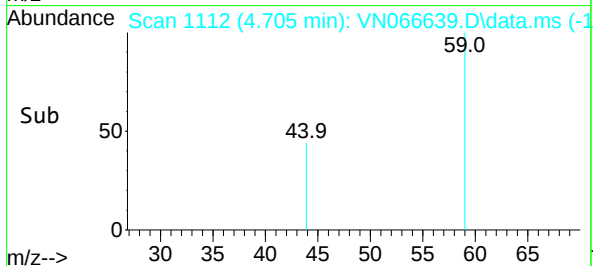
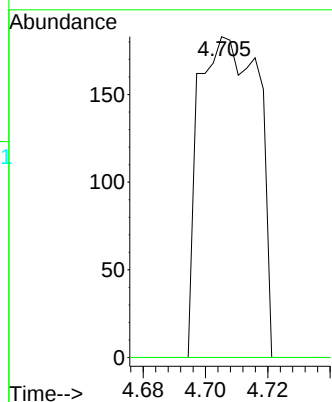
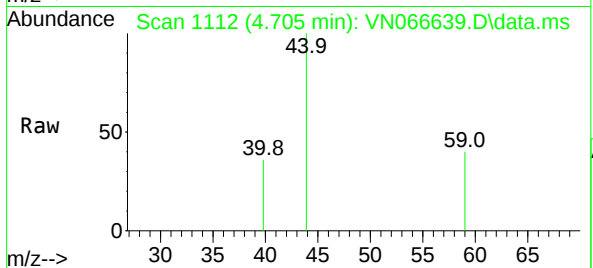


#11

Tert butyl alcohol
Concen: 0.38 ug/l
RT: 4.705 min Scan# 1112
Delta R.T. -0.011 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

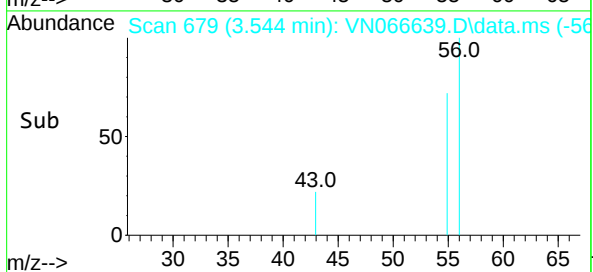
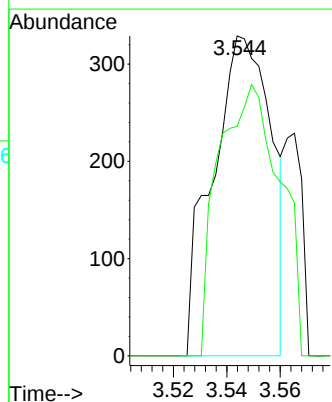
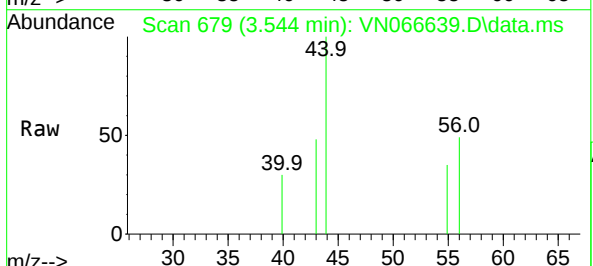
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

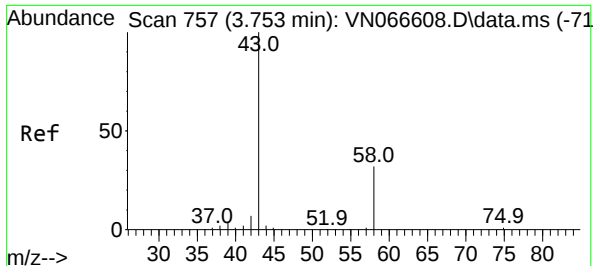


#13

Acrolein
Concen: 1.49 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.000 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

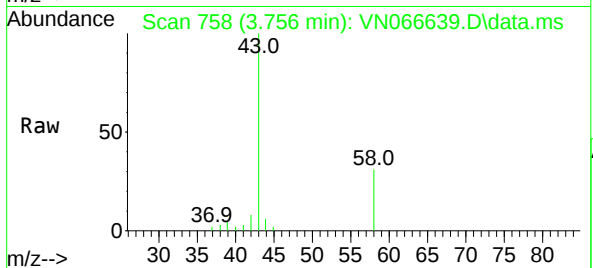
Tgt Ion: 56 Resp: 505
Ion Ratio Lower Upper
56 100
55 88.3 56.0 84.0#



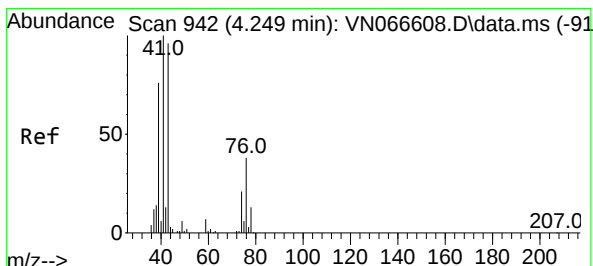
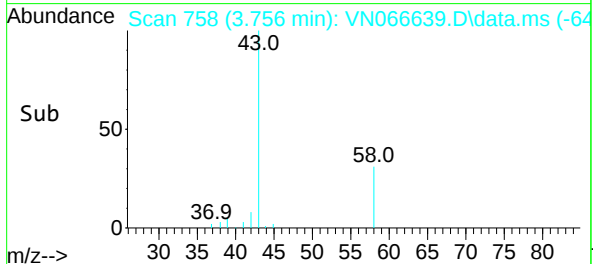
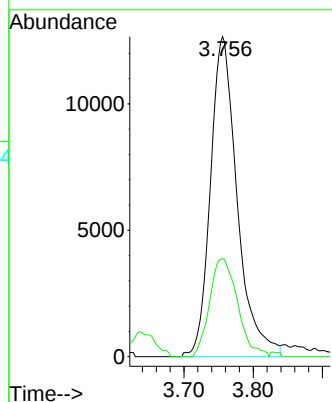


#16
Acetone
Concen: 16.17 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

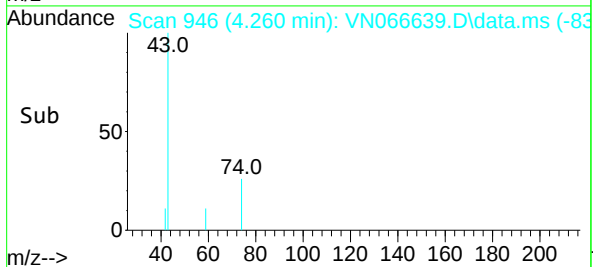
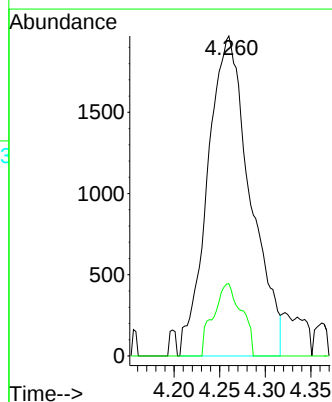
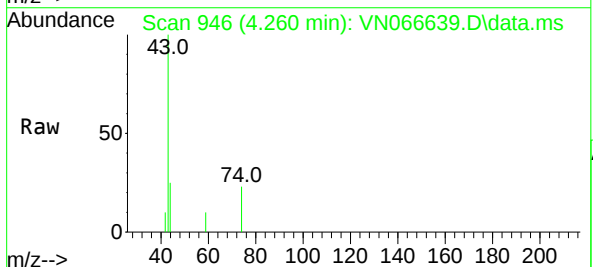


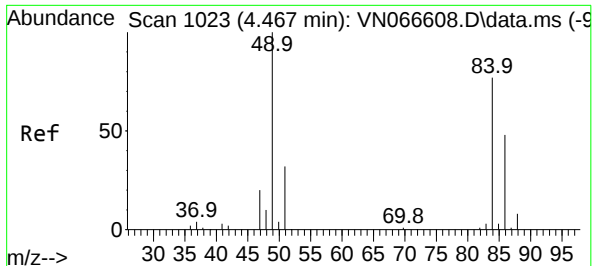
Tgt Ion: 43 Resp: 34050
Ion Ratio Lower Upper
43 100
58 30.7 27.0 40.6



#18
Methyl Acetate
Concen: 1.51 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 43 Resp: 6408
Ion Ratio Lower Upper
43 100
74 14.9 19.5 29.3#





#20

Methylene Chloride

Concen: 3.10 ug/l

RT: 4.477 min Scan# 1027

Delta R.T. 0.010 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#09

Tgt Ion: 84 Resp: 11573

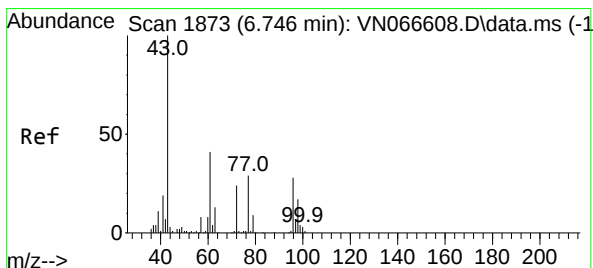
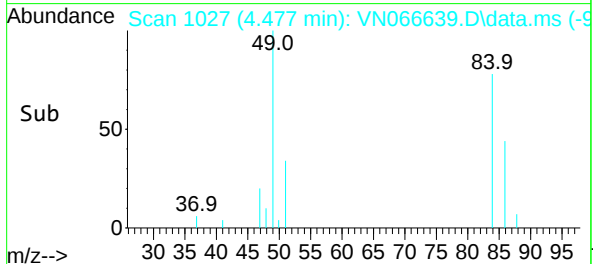
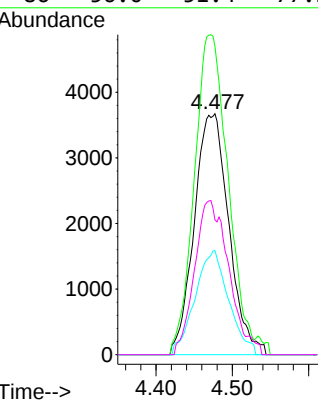
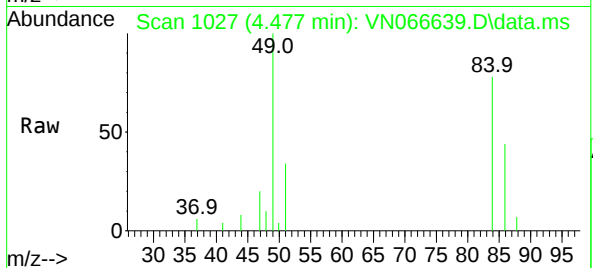
Ion Ratio Lower Upper

84 100

49 128.1 94.6 141.8

51 43.2 29.9 44.9

86 56.0 51.4 77.2



#25

2-Butanone

Concen: 2.36 ug/l

RT: 6.757 min Scan# 1877

Delta R.T. 0.011 min

Lab File: VN066639.D

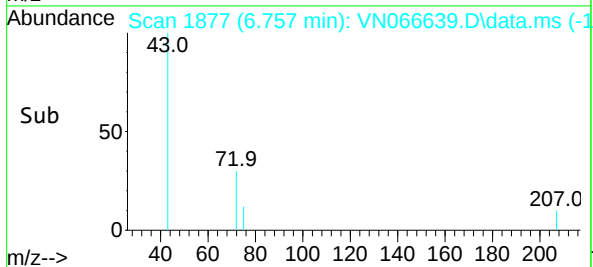
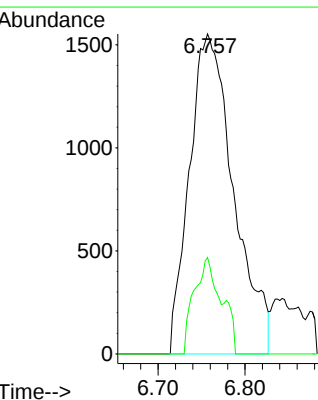
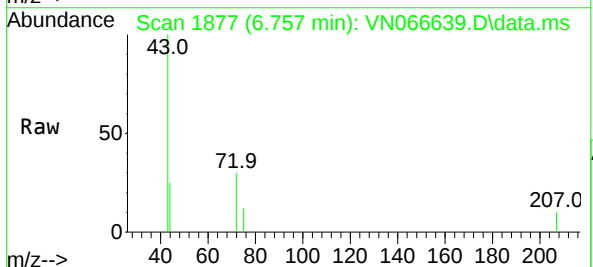
Acq: 16 Apr 2021 20:29

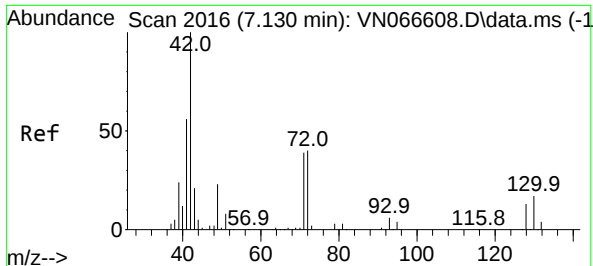
Tgt Ion: 43 Resp: 5490

Ion Ratio Lower Upper

43 100

72 30.1 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 7.130 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

Tgt Ion: 42 Resp: 489

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

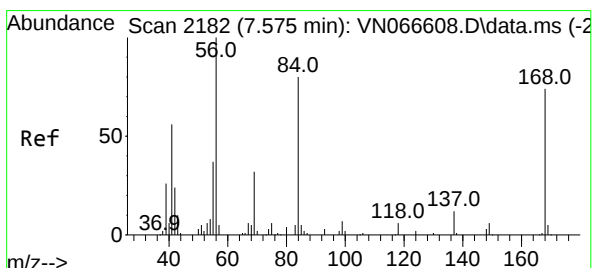
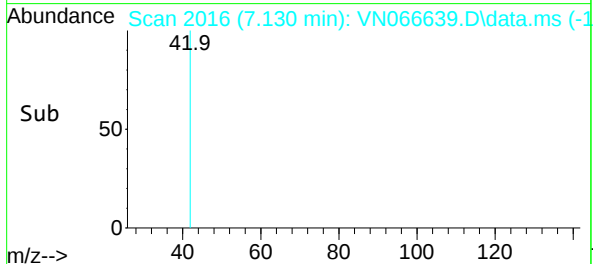
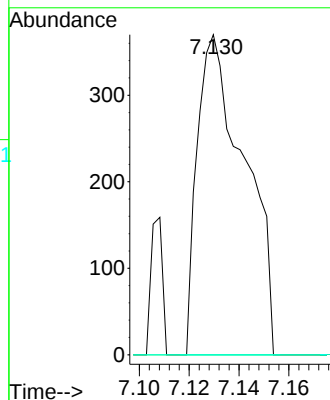
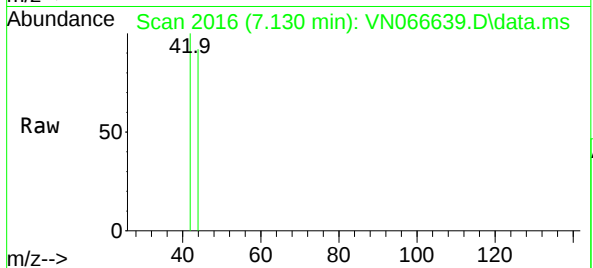
71 0.0 34.3 51.5#

Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#09



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.016 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

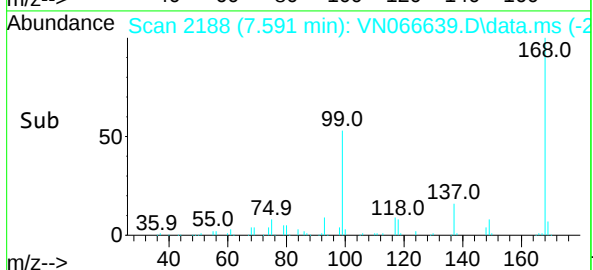
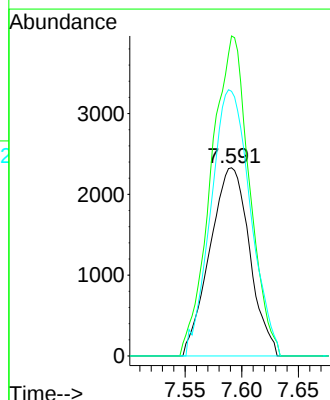
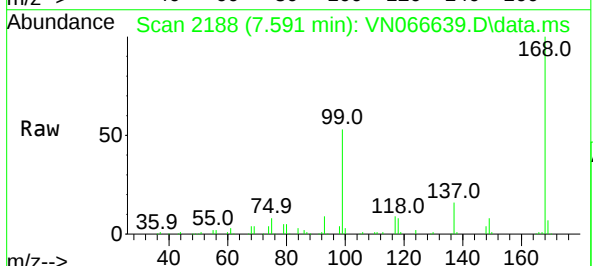
Tgt Ion: 56 Resp: 5683

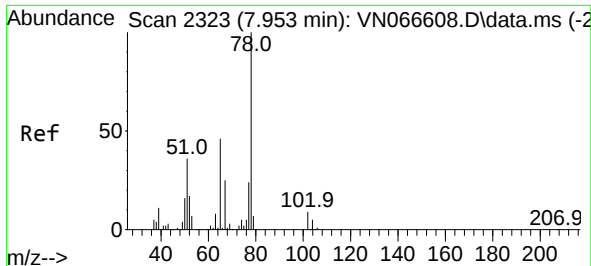
Ion Ratio Lower Upper

56 100

69 170.1 26.6 39.8#

84 140.7 70.4 105.6#

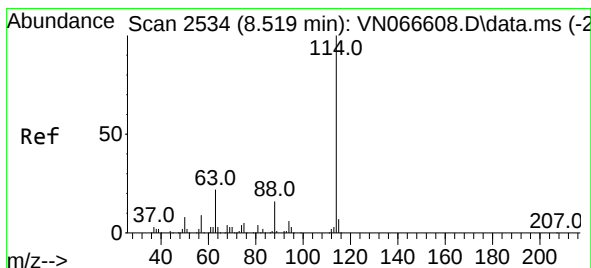
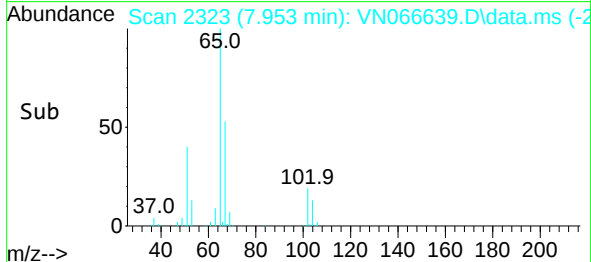
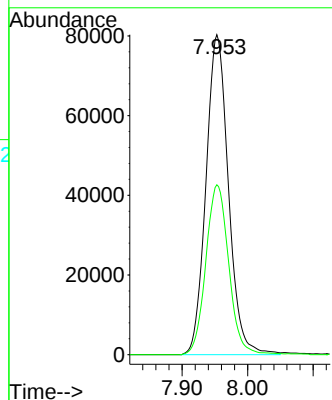
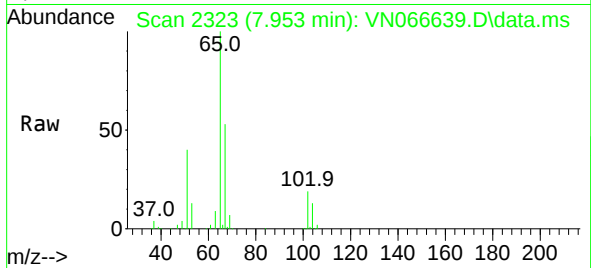




#33
 1,2-Dichloroethane-d4
 Concen: 48.38 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066639.D
 Acq: 16 Apr 2021 20:29

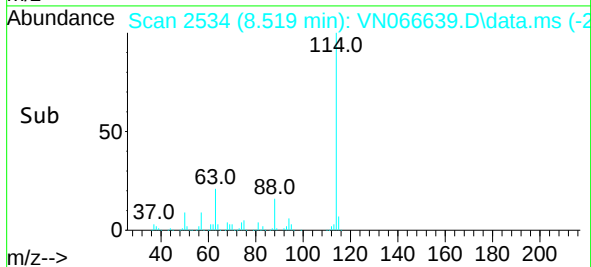
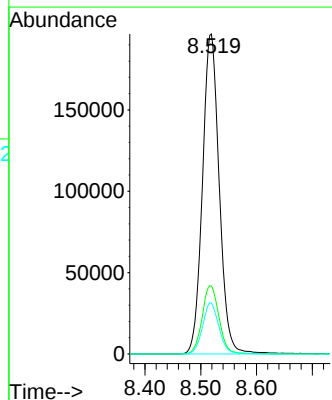
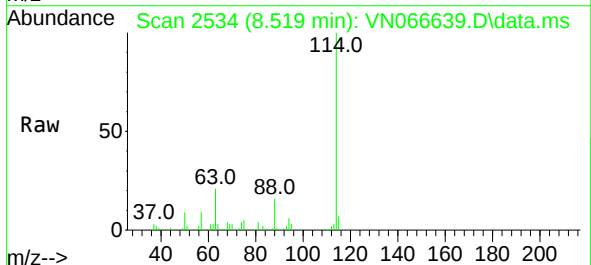
Instrument :
 MSVOA_N
 ClientSampleId :
 PB135768ZHE#09

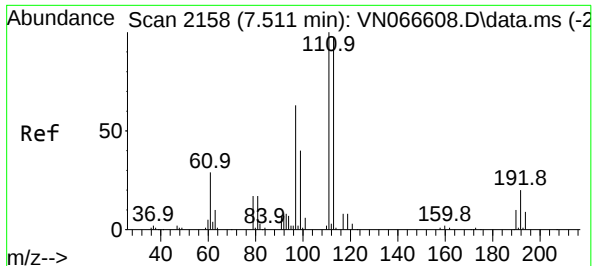
Tgt Ion: 65 Resp: 191109
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066639.D
 Acq: 16 Apr 2021 20:29

Tgt Ion: 114 Resp: 411249
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.6
 88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.15 ug/l

RT: 7.511 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

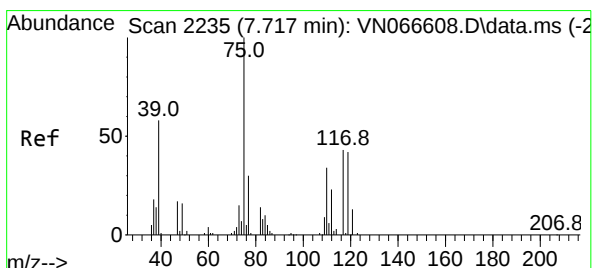
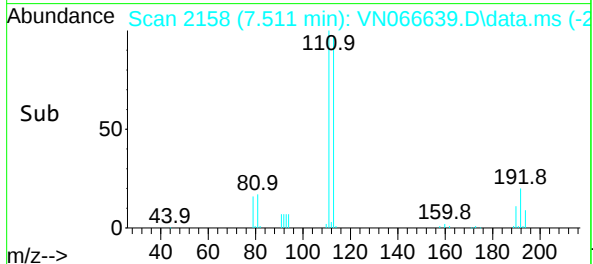
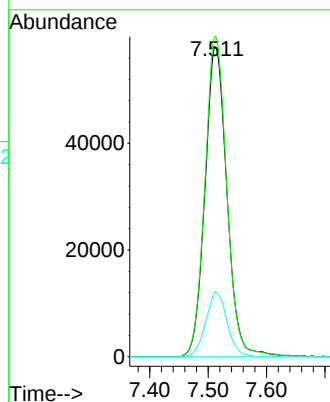
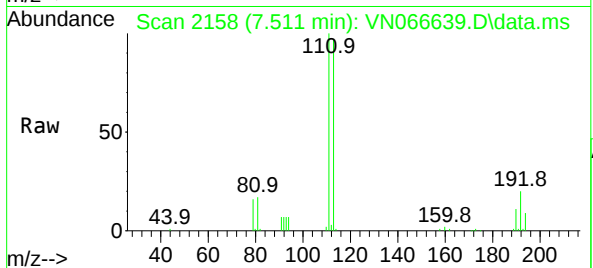
Instrument :

MSVOA_N

ClientSampleId :

PB135768ZHE#09

Tgt Ion:	113	Resp:	151581
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	20.3	15.4	23.0



#36

1,1-Dichloropropene

Concen: 4.76 ug/l

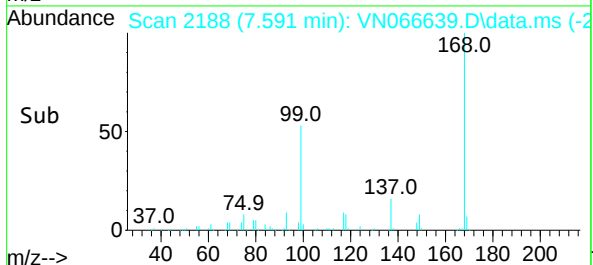
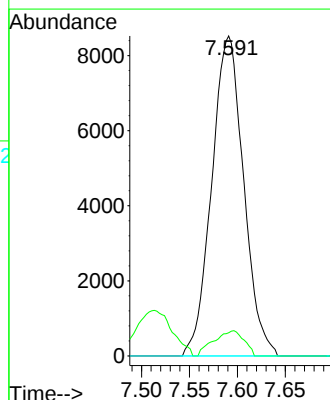
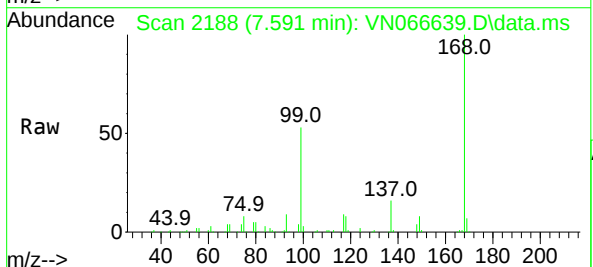
RT: 7.591 min Scan# 2188

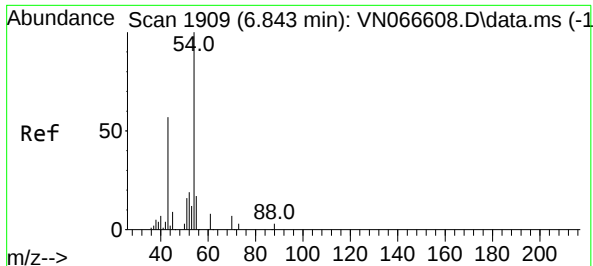
Delta R.T. -0.126 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

Tgt Ion:	75	Resp:	19722
Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.17 ug/l

RT: 6.757 min Scan# 1877

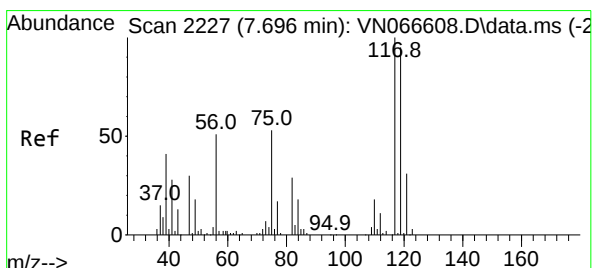
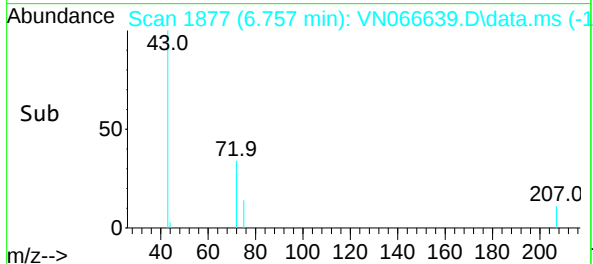
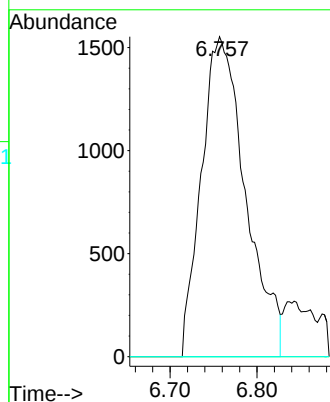
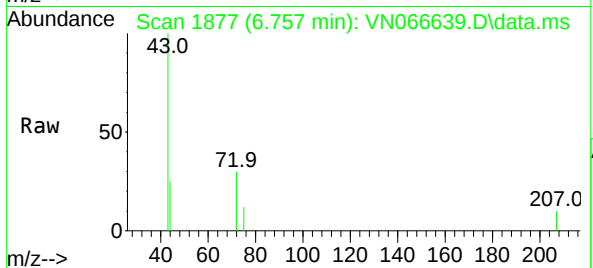
Delta R.T. -0.086 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

Tgt Ion:	43	Resp:	5490
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.91 ug/l

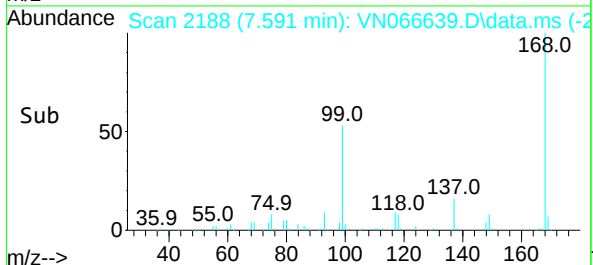
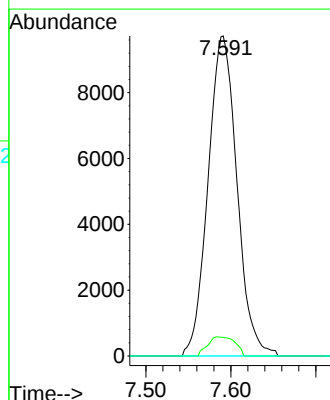
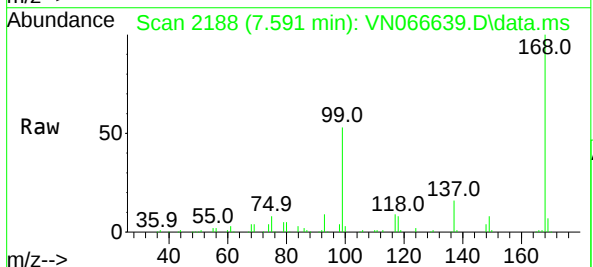
RT: 7.591 min Scan# 2188

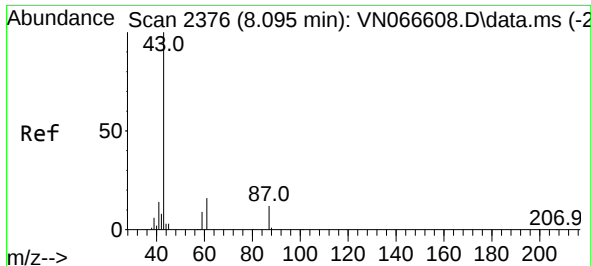
Delta R.T. -0.105 min

Lab File: VN066639.D

Acq: 16 Apr 2021 20:29

Tgt Ion:	117	Resp:	22960
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.0	114.0#
121	0.0	24.5	36.7#

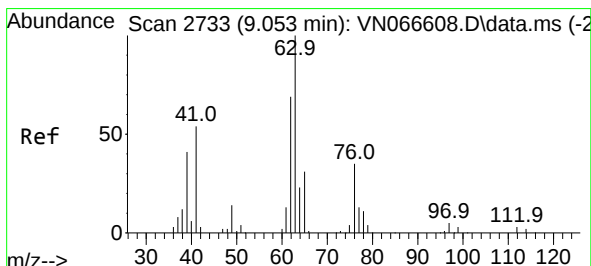
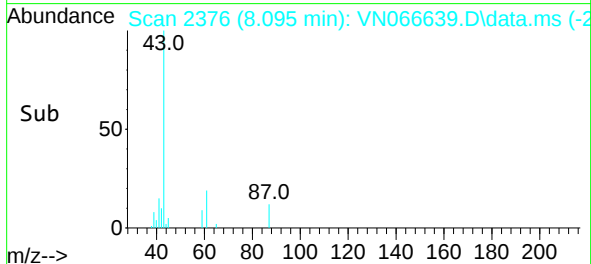
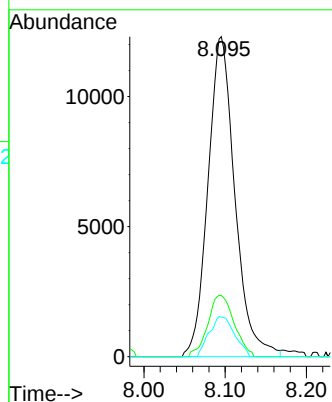
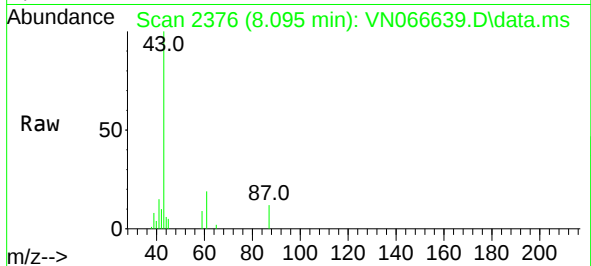




#43
Isopropyl Acetate
Concen: 3.61 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

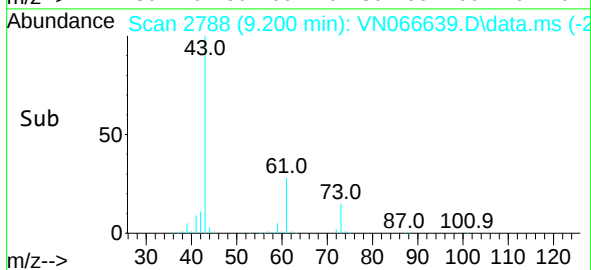
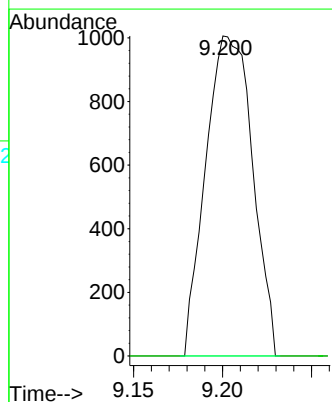
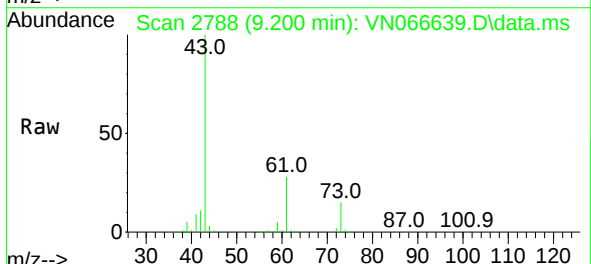
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

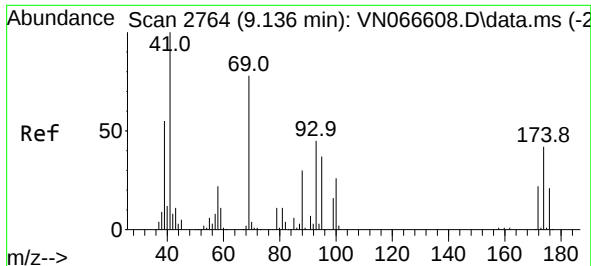
Tgt Ion: 43 Resp: 28307
Ion Ratio Lower Upper
43 100
61 18.8 22.5 33.7#
87 11.8 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 63 Resp: 1841
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

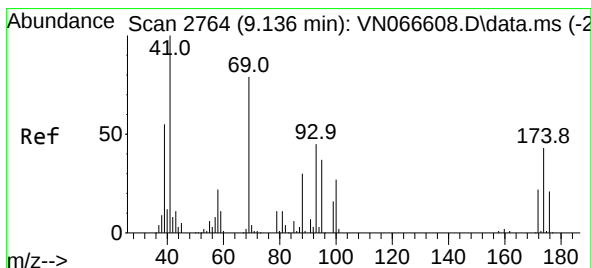
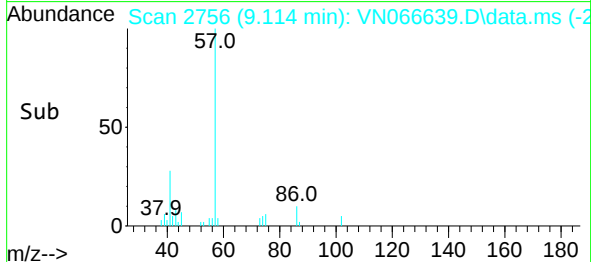
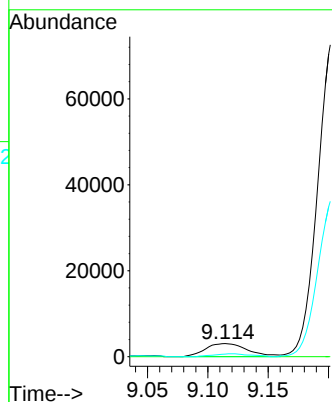
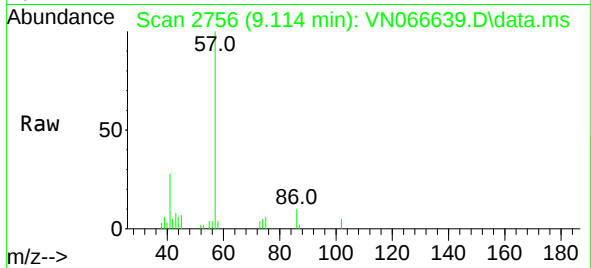




#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

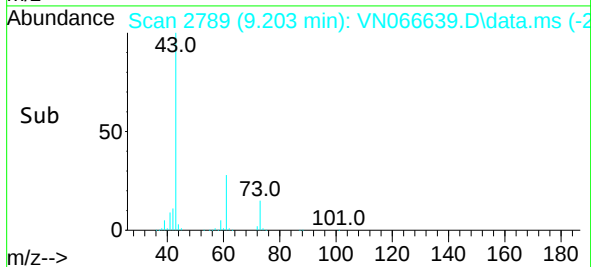
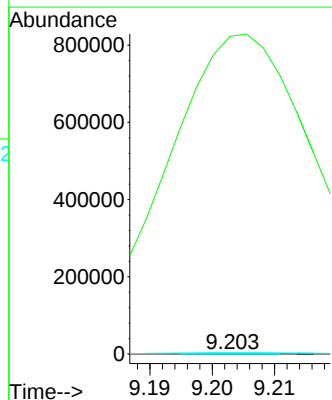
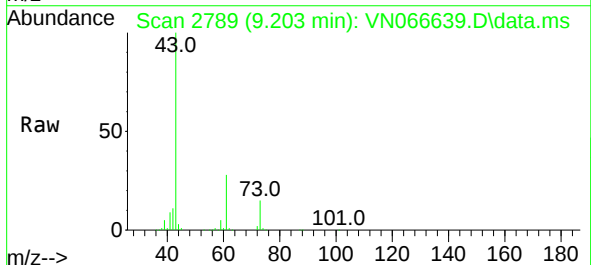
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

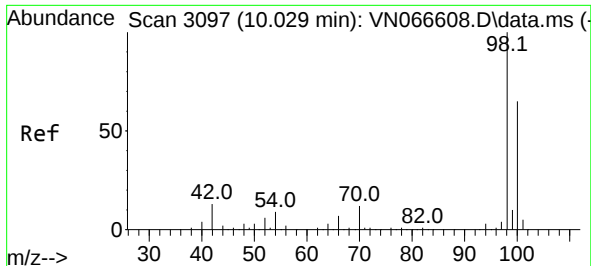
Tgt Ion: 41 Resp: 7438
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.203 min Scan# 2789
Delta R.T. 0.067 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 1817108.2 24.7 37.1#
58 7674.1 52.6 78.8#

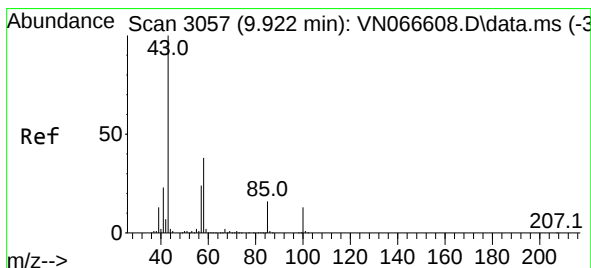
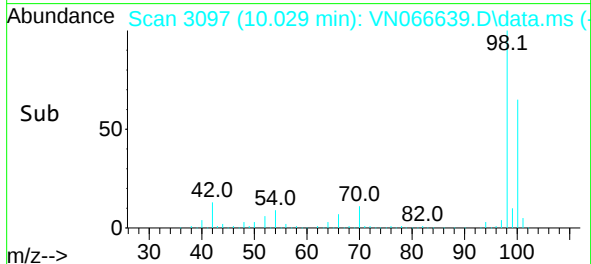
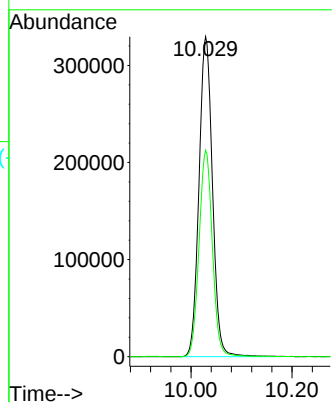
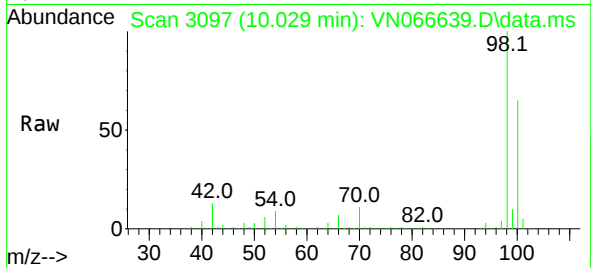




#50
Toluene-d8
Concen: 54.63 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

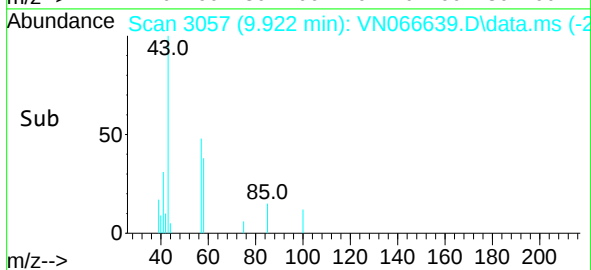
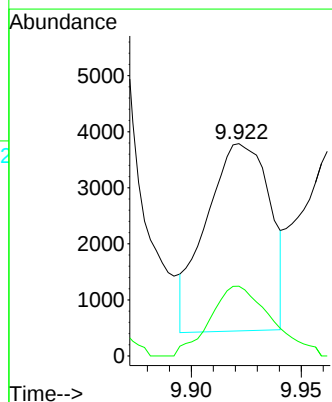
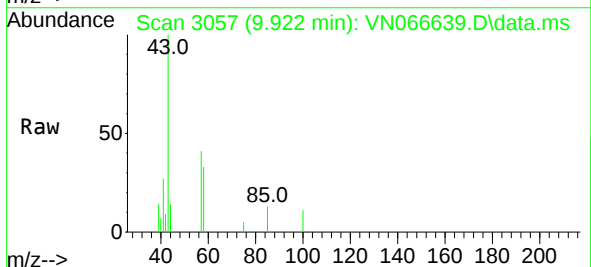
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

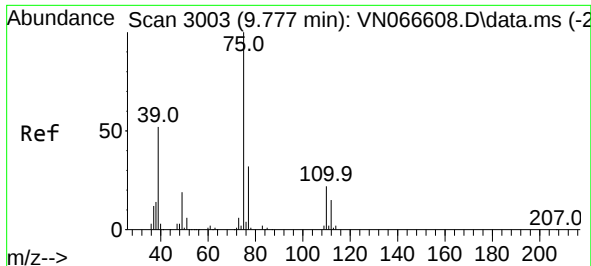
Tgt Ion: 98 Resp: 610612
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.45 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 43 Resp: 6711
Ion Ratio Lower Upper
43 100
58 36.0 32.5 48.7

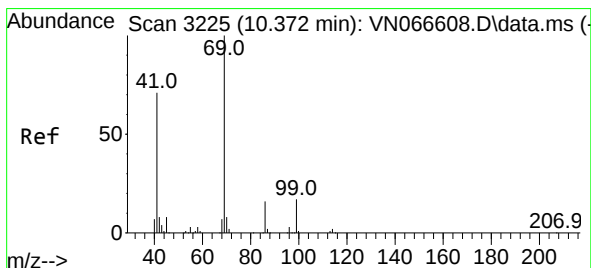
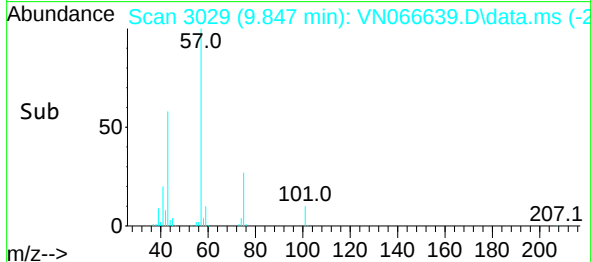
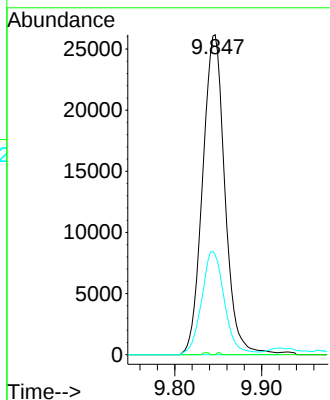
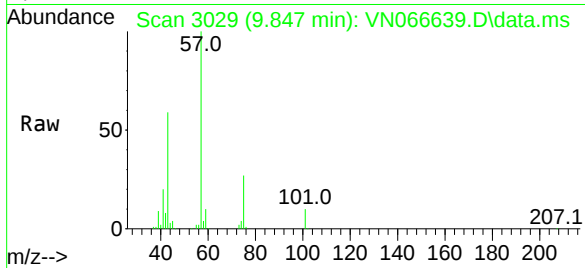




#54
cis-1,3-Dichloropropene
Concen: 8.60 ug/l
RT: 9.847 min Scan# 3029
Delta R.T. 0.070 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

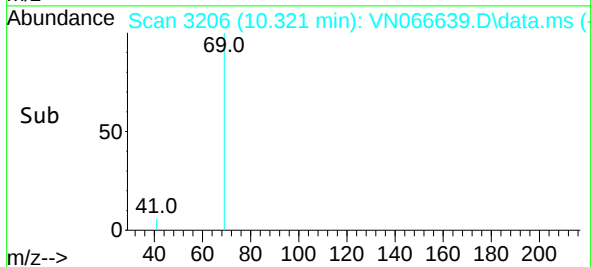
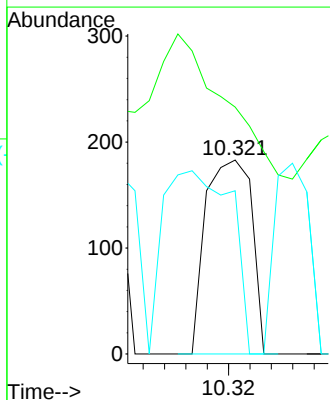
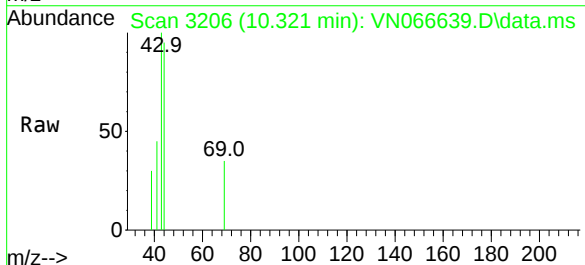
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

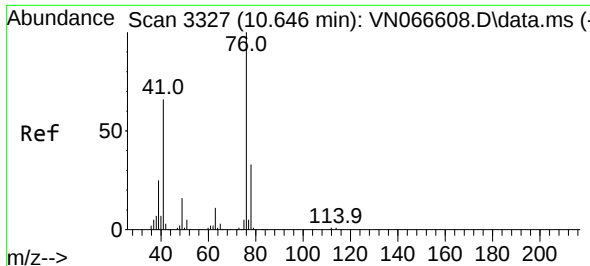
Tgt Ion: 75 Resp: 46579
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.2 36.2 54.4#



#56
Ethyl methacrylate
Concen: 0.92 ug/l
RT: 10.321 min Scan# 3206
Delta R.T. -0.051 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 69 Resp: 109
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

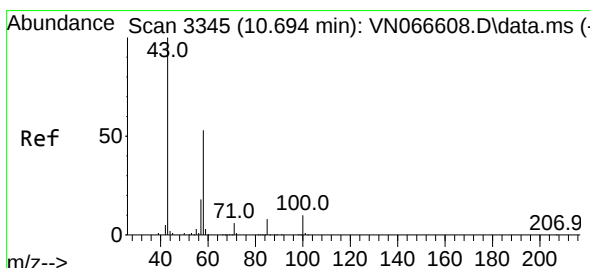
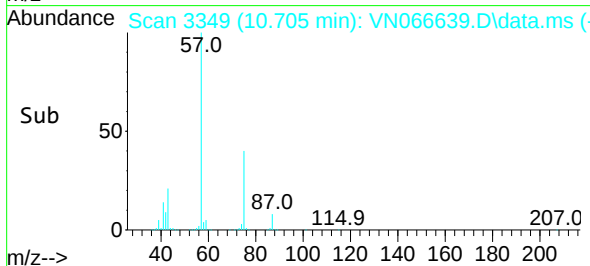
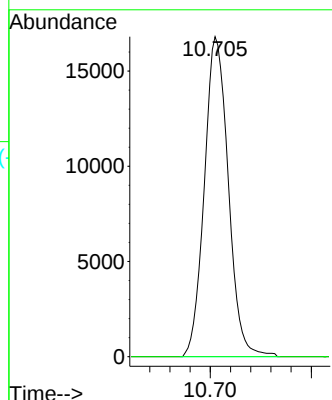
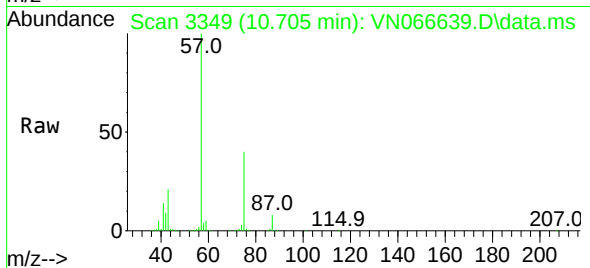




#57
1,3-Dichloropropane
Concen: 5.12 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

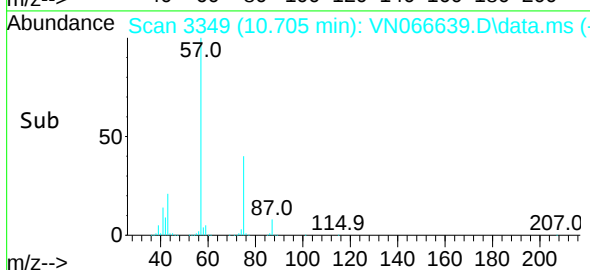
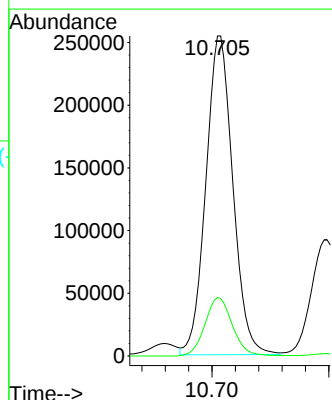
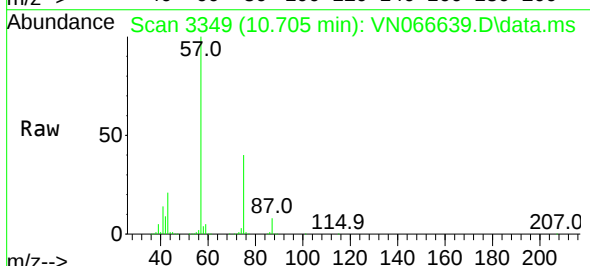
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

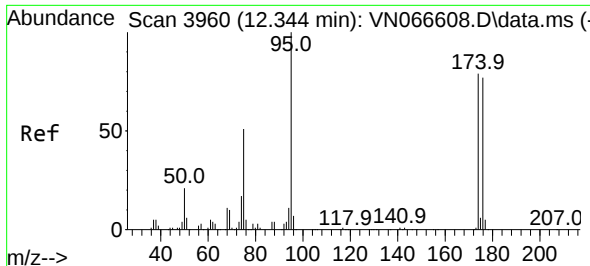
Tgt Ion: 76 Resp: 27709
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 126.57 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 43 Resp: 408569
Ion Ratio Lower Upper
43 100
58 18.6 28.1 84.3#

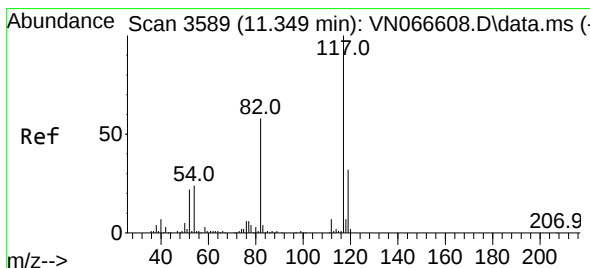
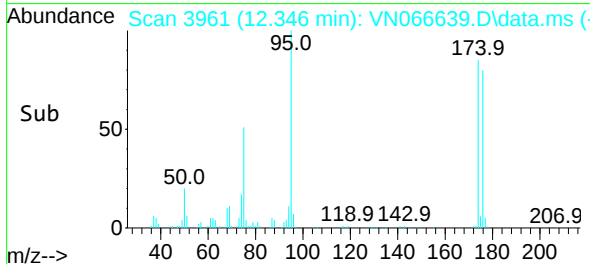
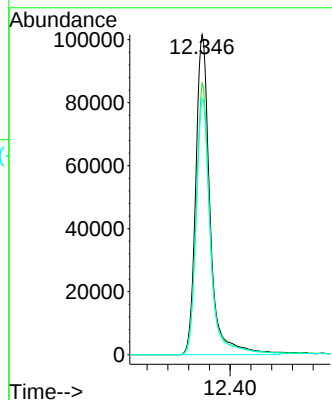
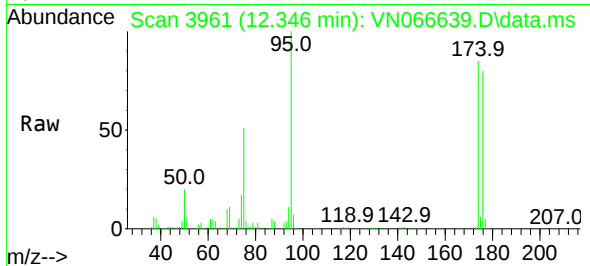




#62
4-Bromofluorobenzene
Concen: 49.40 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

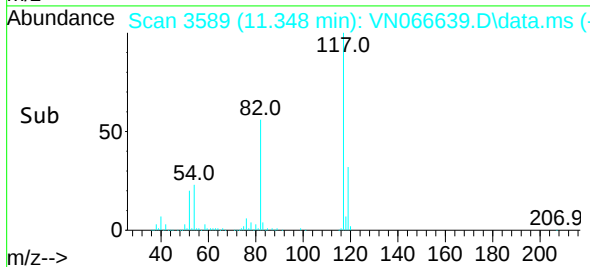
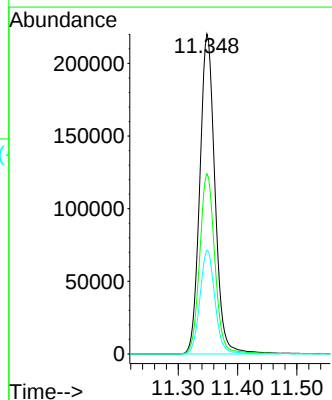
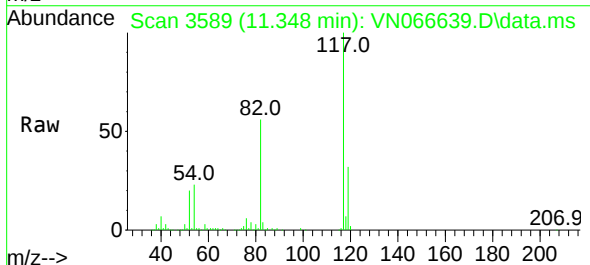
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

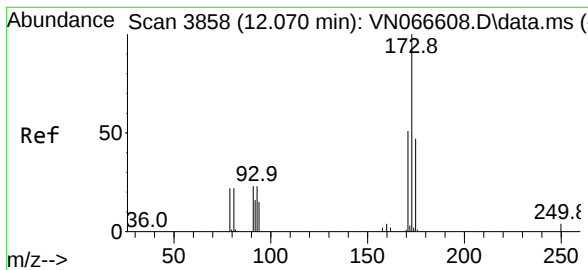
Tgt Ion: 95 Resp: 194152
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.0
176 79.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 117 Resp: 392593
Ion Ratio Lower Upper
117 100
82 56.3 43.7 65.5
119 32.4 26.1 39.1

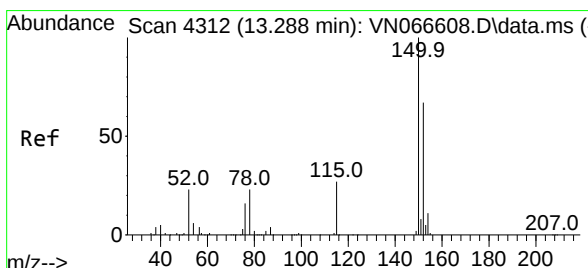
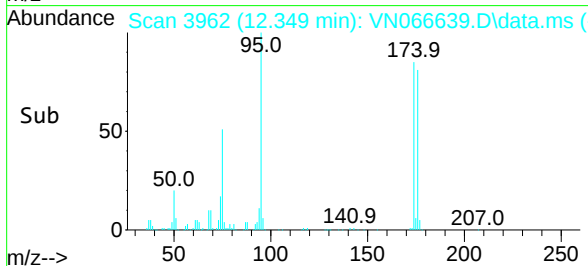
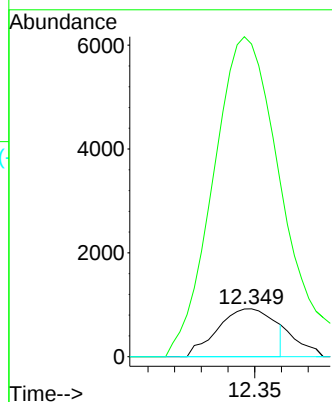
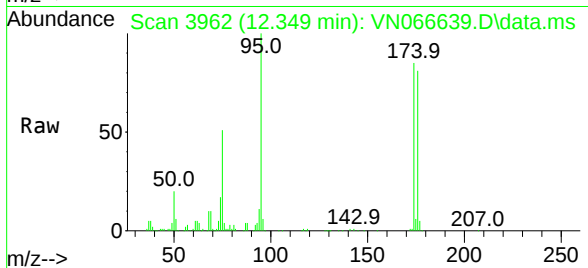




#71
Bromoform
Concen: 0.58 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

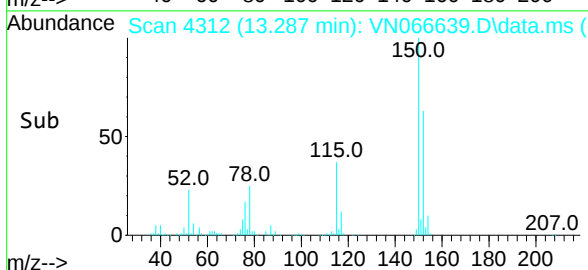
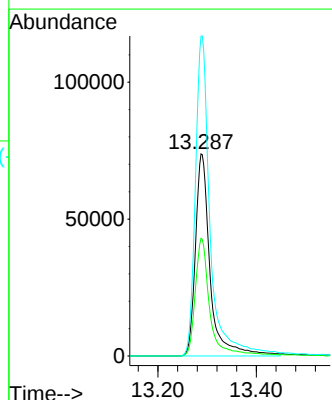
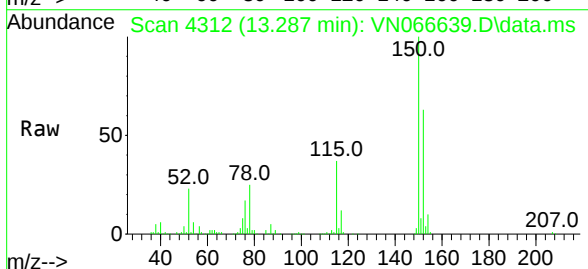
Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

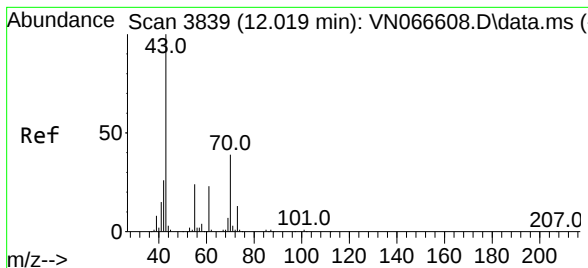
Tgt Ion:173 Resp: 1356
Ion Ratio Lower Upper
173 100
175 690.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

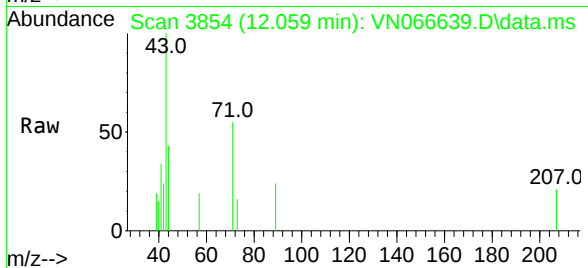
Tgt Ion:152 Resp: 154073
Ion Ratio Lower Upper
152 100
115 55.6 28.5 85.6
150 157.0 0.0 347.6



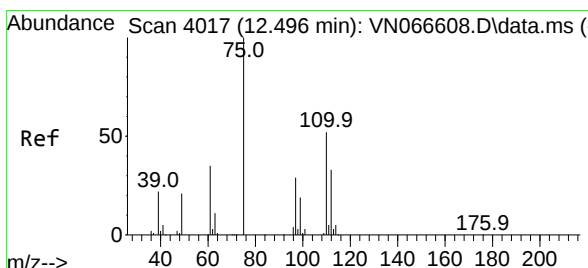
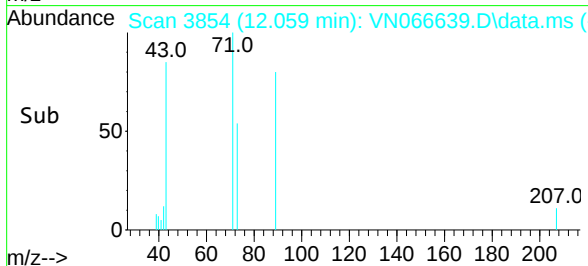
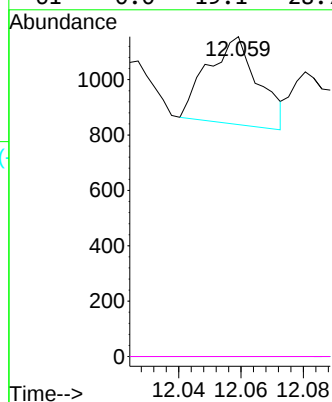


#74
N-amy1 acetate
Concen: 9.80 ug/l
RT: 12.059 min Scan# 3854
Delta R.T. 0.040 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

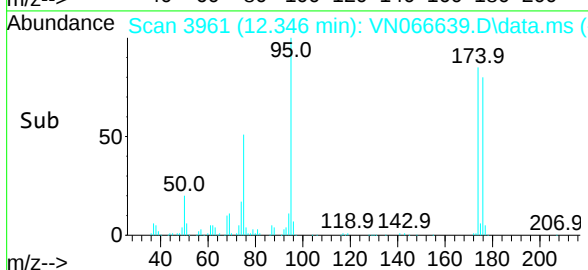
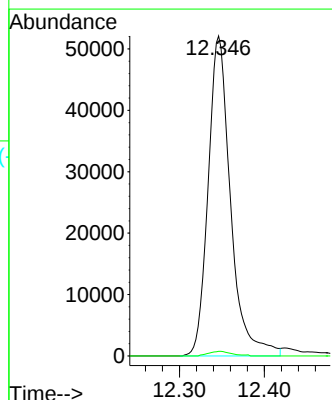
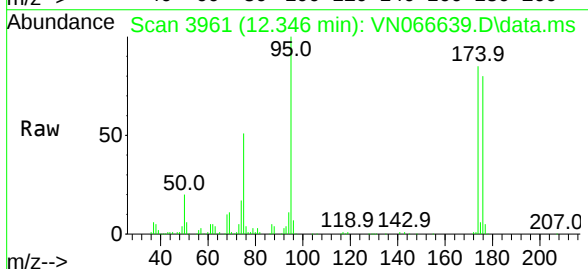


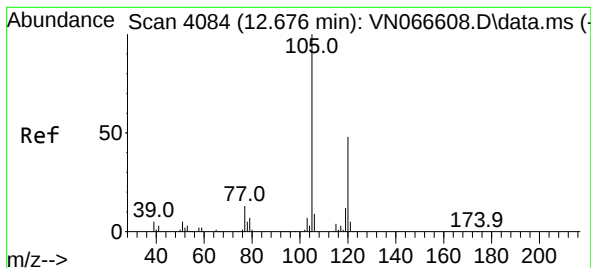
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 26.51 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 75 Resp: 95523
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

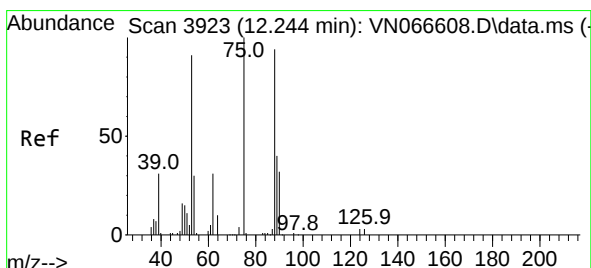
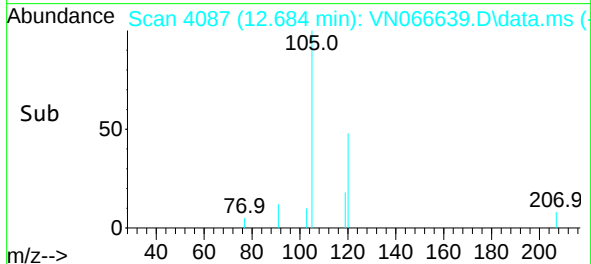
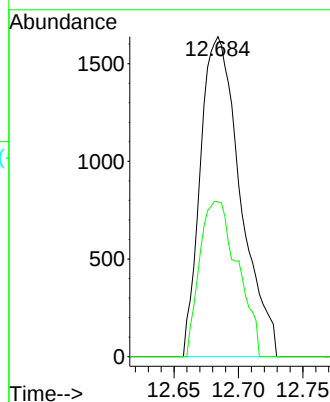
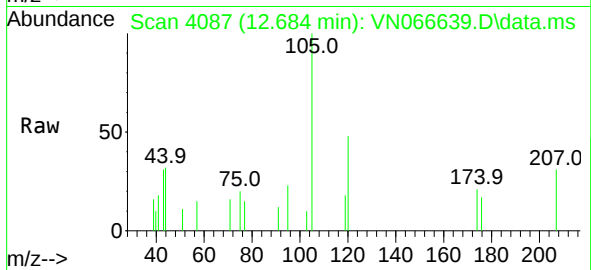




#80
1,3,5-Trimethylbenzene
Concen: 0.36 ug/l
RT: 12.684 min Scan# 4087
Delta R.T. 0.008 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :
PB135768ZHE#09

Tgt Ion:105 Resp: 3530
Ion Ratio Lower Upper
105 100
120 45.9 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 81.74 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066639.D
Acq: 16 Apr 2021 20:29

Tgt Ion: 75 Resp: 95523
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.4 35.8 53.8#

