

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068681.D
 Acq On : 25 Sep 2021 20:56
 Operator : JC/MD
 Sample : PB139230ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139230ZHE#04

Quant Time: Sep 27 04:49:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

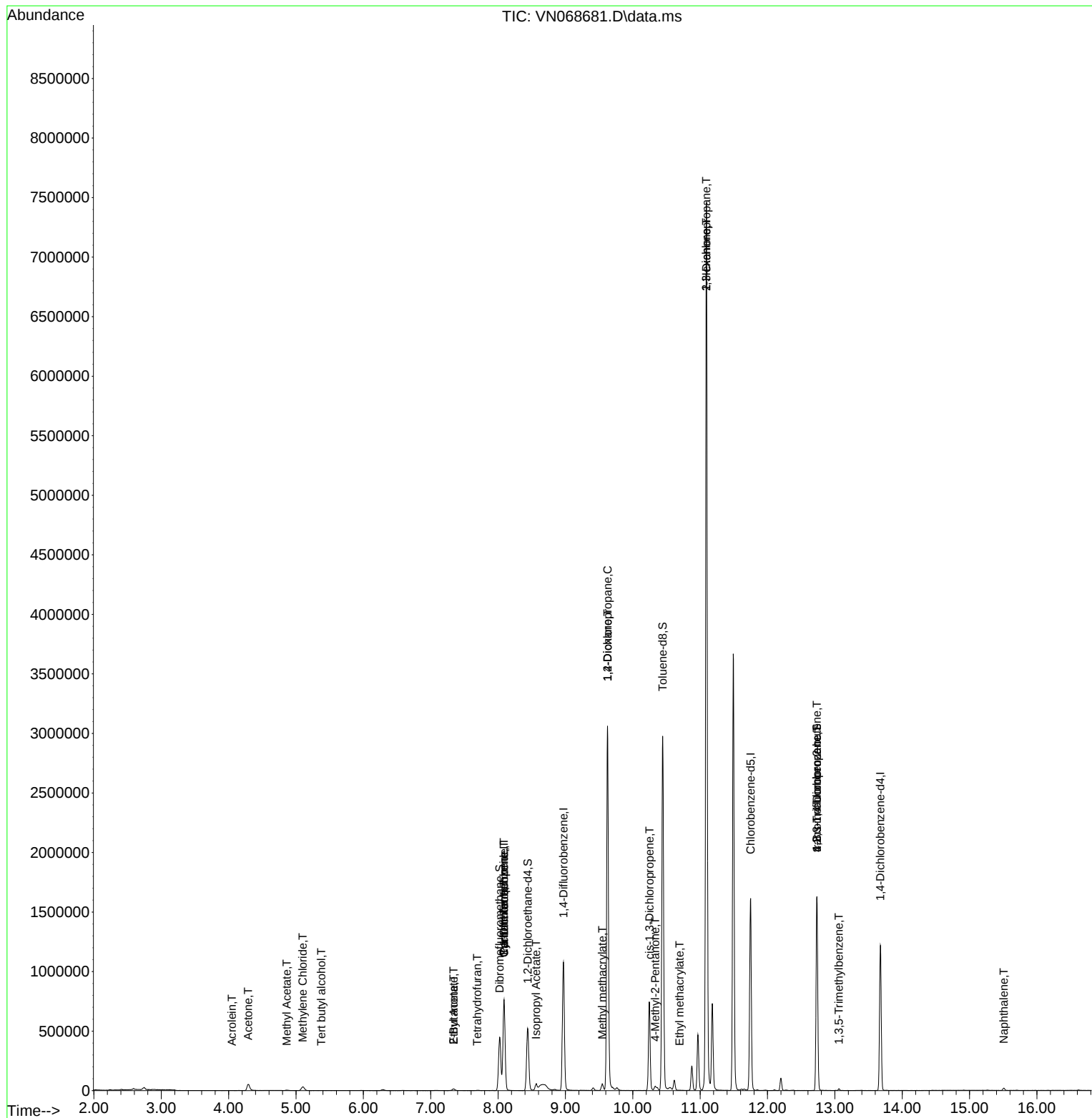
Internal Standards						
1) Pentafluorobenzene	8.088	168	569408	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	931698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	885737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	318744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	434003	48.817	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.640%		
35) Dibromofluoromethane	8.024	113	329626	52.900	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.800%		
50) Toluene-d8	10.443	98	2023726	76.587	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	153.180%#		
62) 4-Bromofluorobenzene	12.733	95	557197	61.657	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	123.320%		
Target Compounds						Qvalue
5) Bromomethane	2.864	94	248	Below Cal	#	78
6) Chloroethane	3.046	64	232	Below Cal	#	44
11) Tert butyl alcohol	5.377	59	361	0.264	ug/l #	71
13) Acrolein	4.047	56	101	7.053	ug/l #	72
16) Acetone	4.288	43	104889	22.074	ug/l	99
18) Methyl Acetate	4.862	43	5366	0.410	ug/l #	85
20) Methylene Chloride	5.101	84	24726	1.753	ug/l	97
25) 2-Butanone	7.340	43	23704	4.374	ug/l	99
29) Tetrahydrofuran	7.691	42	1356	0.394	ug/l #	81
31) Cyclohexane	8.086	56	13029	1.045	ug/l #	13
36) 1,1-Dichloropropene	8.088	75	46229	4.913	ug/l #	52
37) Ethyl Acetate	7.340	43	23704	2.219	ug/l #	69
38) Carbon Tetrachloride	8.086	117	57397	5.906	ug/l #	17
43) Isopropyl Acetate	8.566	43	68604	3.754	ug/l #	87
45) 1,2-Dichloropropane	9.625	63	3479	0.478	ug/l #	44
48) Methyl methacrylate	9.547	41	14106	1.690	ug/l #	12
49) 1,4-Dioxane	9.625	88	244	2.004	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	21061	1.906	ug/l	92
54) cis-1,3-Dichloropropene	10.247	75	124937	10.874	ug/l #	59
56) Ethyl methacrylate	10.695	69	335	0.733	ug/l #	19
57) 1,3-Dichloropropane	11.092	76	72623	6.132	ug/l #	43
59) 2-Hexanone	11.092	43	1230656	154.847	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	313736	39.808	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	6816	0.304	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.733	75	313736	112.448	ug/l #	6
95) Naphthalene	15.507	128	17858	2.723	ug/l	97

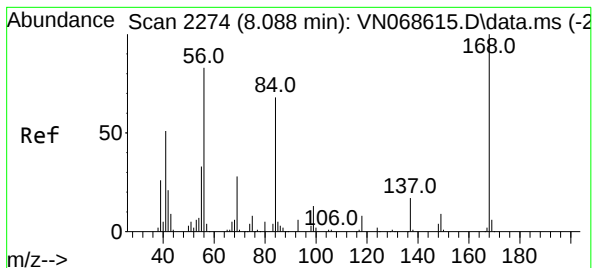
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 23 13:52:37 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068681.D

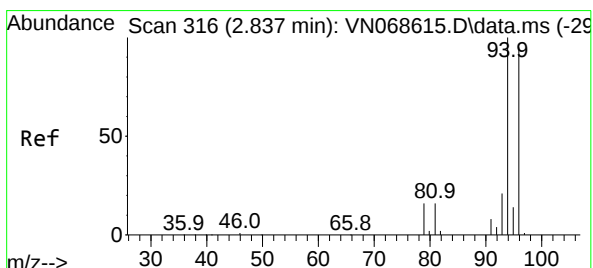
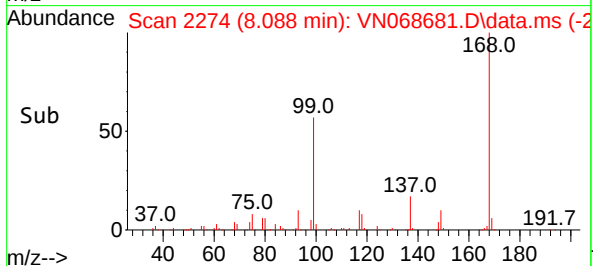
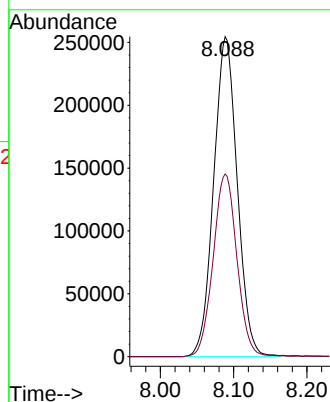
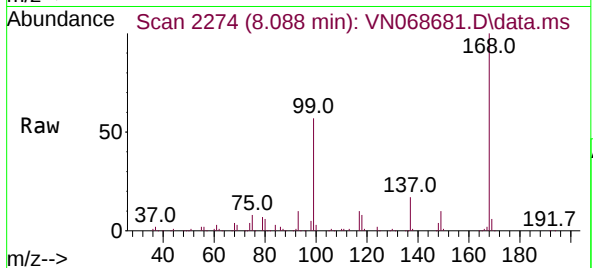
Acq: 25 Sep 2021 20:56

Tgt Ion:168 Resp: 569408

Ion Ratio Lower Upper

168 100

99 57.1 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.864 min Scan# 326

Delta R.T. 0.027 min

Lab File: VN068681.D

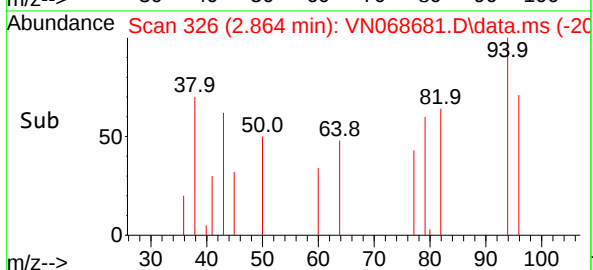
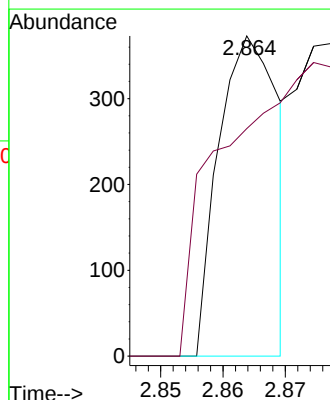
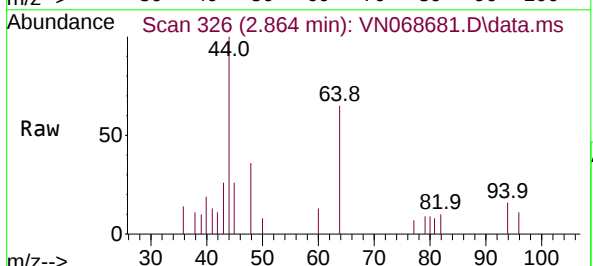
Acq: 25 Sep 2021 20:56

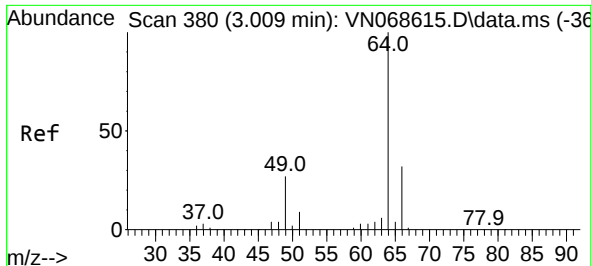
Tgt Ion: 94 Resp: 248

Ion Ratio Lower Upper

94 100

96 71.0 73.7 110.5#

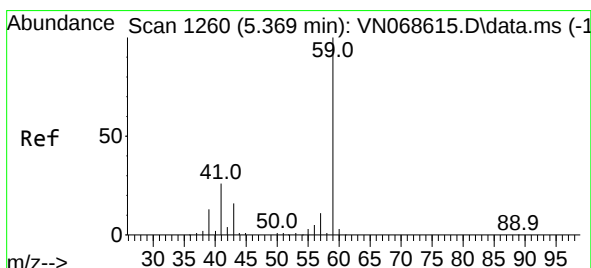
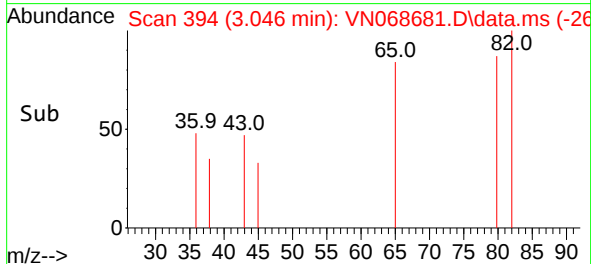
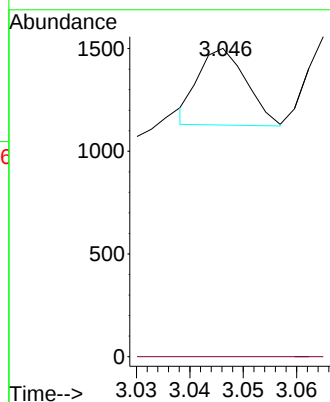
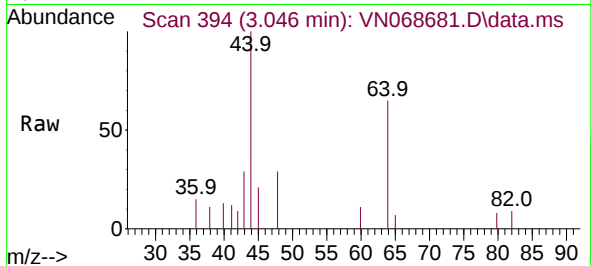




#6
Chloroethane
Concen: Below Cal
RT: 3.046 min Scan# 394
Delta R.T. 0.037 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

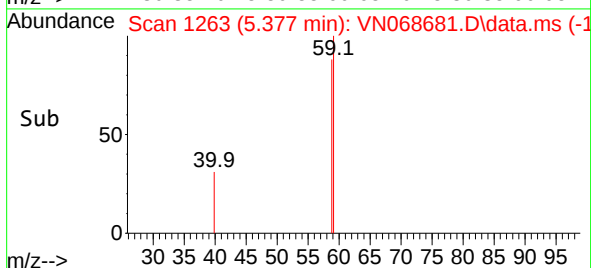
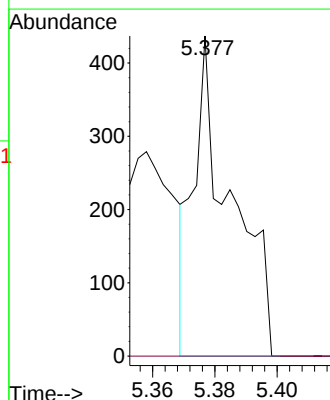
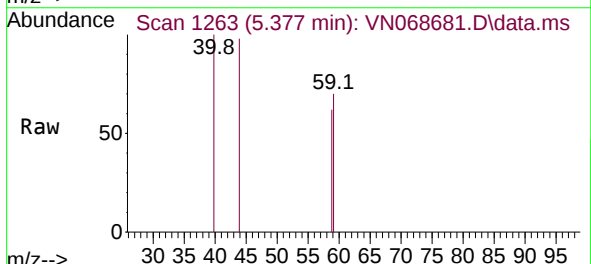
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

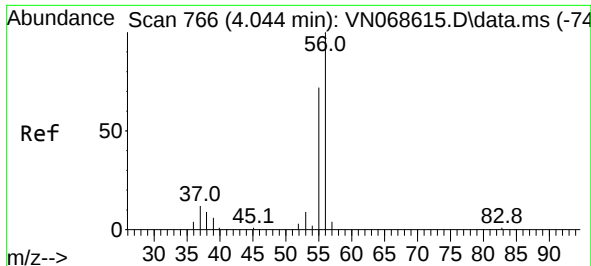
Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.264 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. 0.008 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

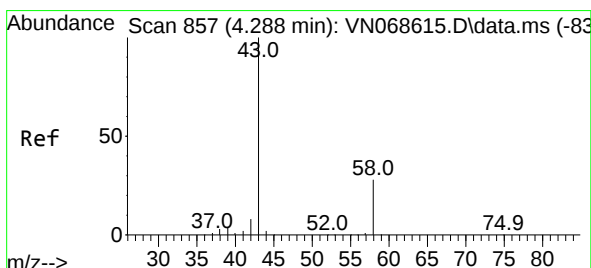
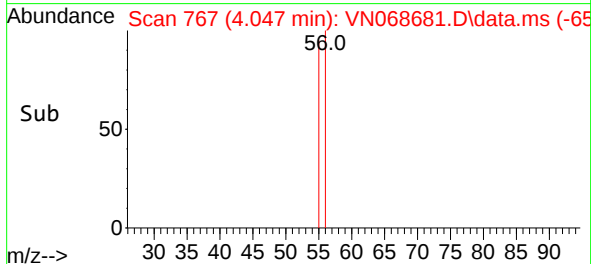
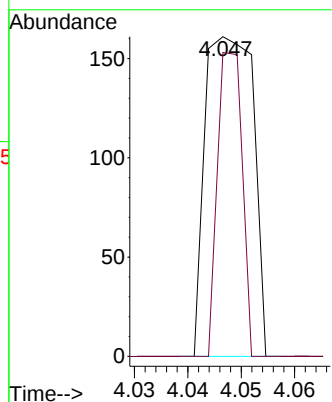
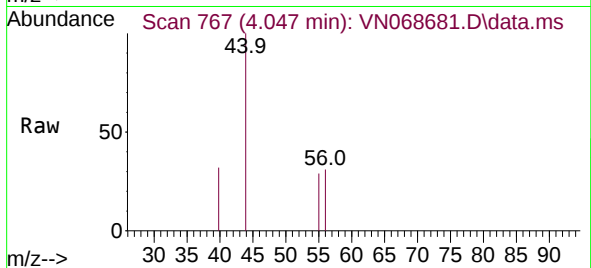




#13
Acrolein
Concen: 7.053 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.003 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

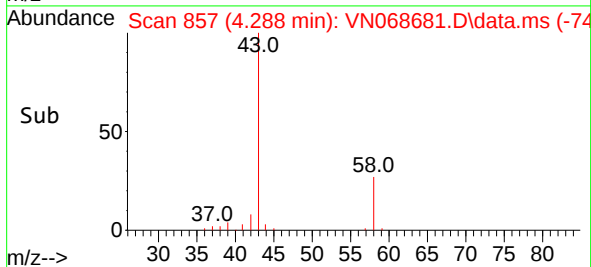
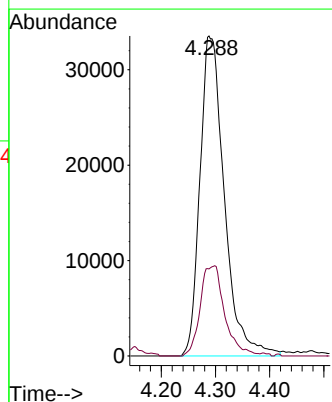
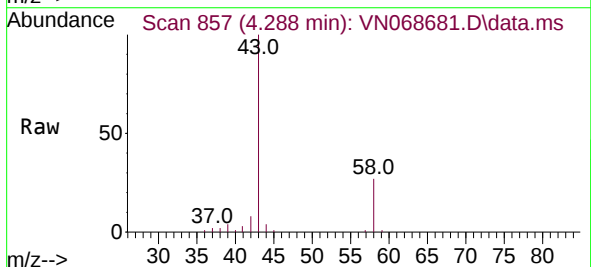
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

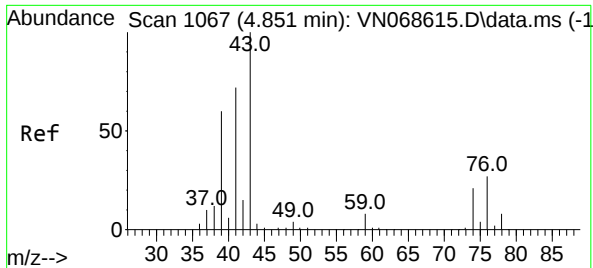
Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 48.5 57.4 86.0#



#16
Acetone
Concen: 22.074 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 43 Resp: 104889
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8





#18

Methyl Acetate

Concen: 0.410 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.011 min

Lab File: VN068681.D

Acq: 25 Sep 2021 20:56

Instrument :

MSVOA_N

ClientSampleId :

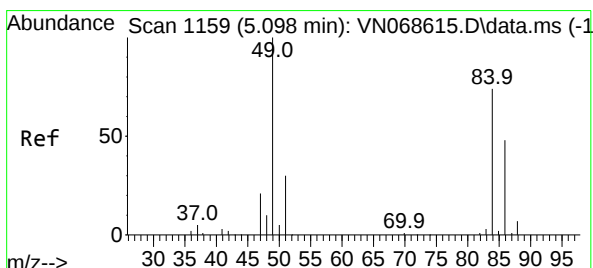
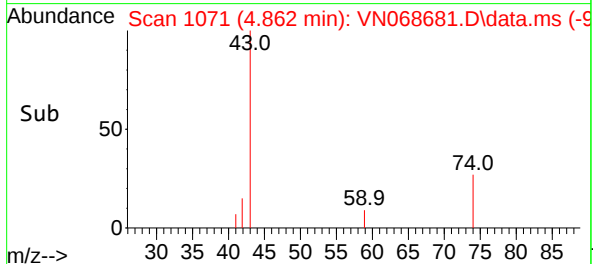
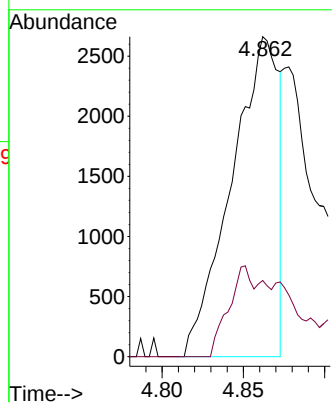
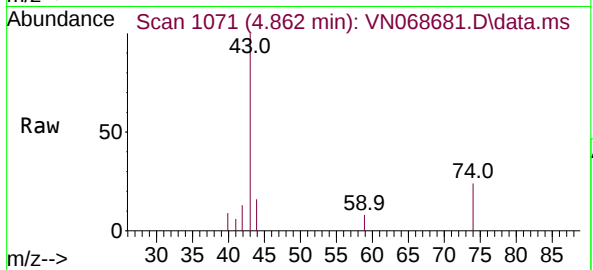
PB139230ZHE#04

Tgt Ion: 43 Resp: 5366

Ion Ratio Lower Upper

43 100

74 14.6 17.4 26.0#



#20

Methylene Chloride

Concen: 1.753 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VN068681.D

Acq: 25 Sep 2021 20:56

Tgt Ion: 84 Resp: 24726

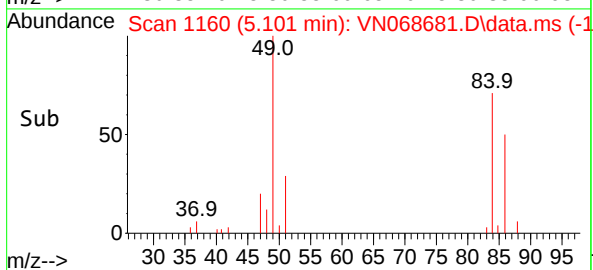
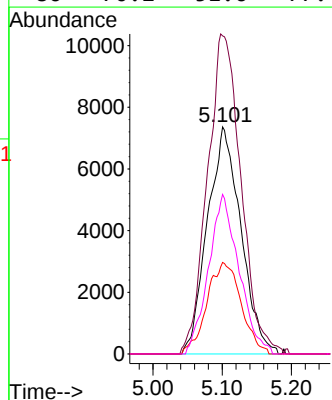
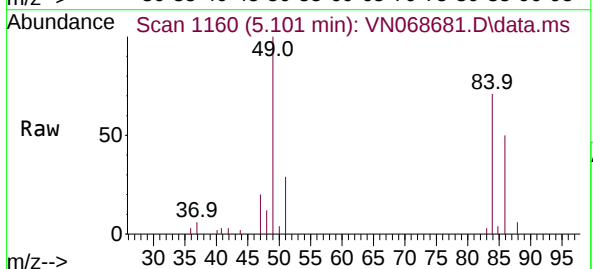
Ion Ratio Lower Upper

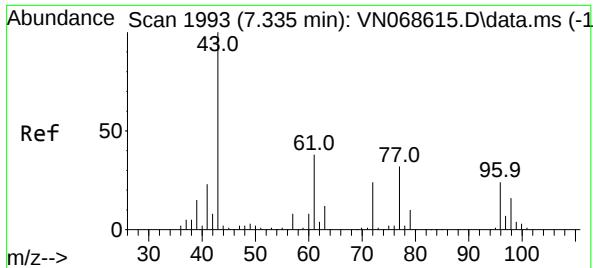
84 100

49 140.1 110.9 166.3

51 40.3 32.6 49.0

86 70.2 51.6 77.4

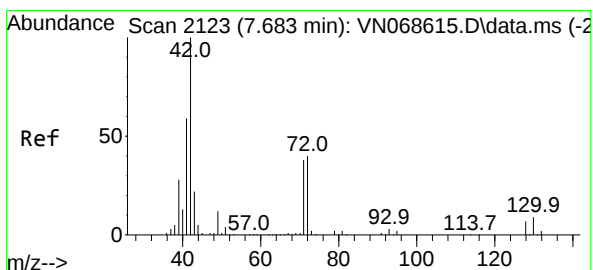
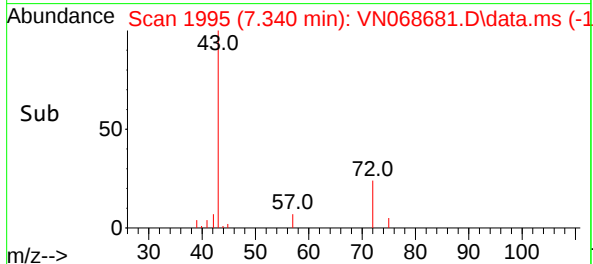
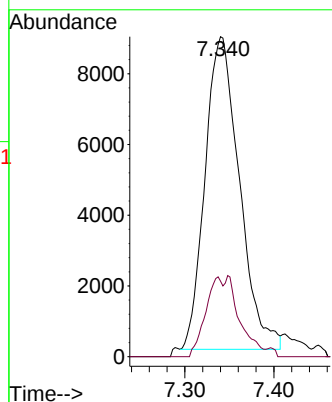
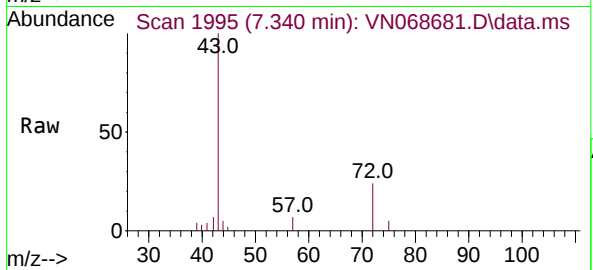




#25
2-Butanone
Concen: 4.374 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

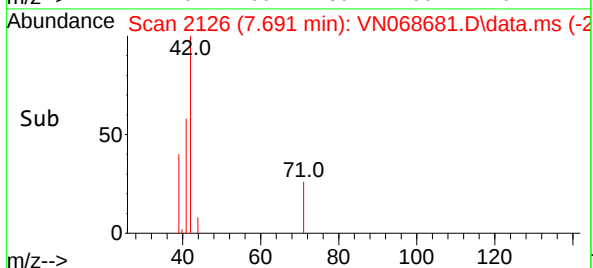
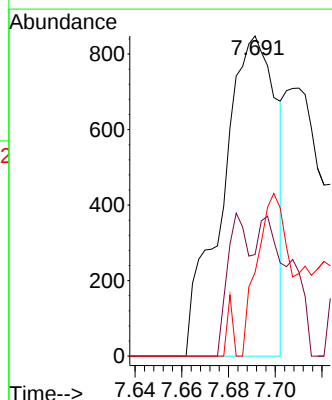
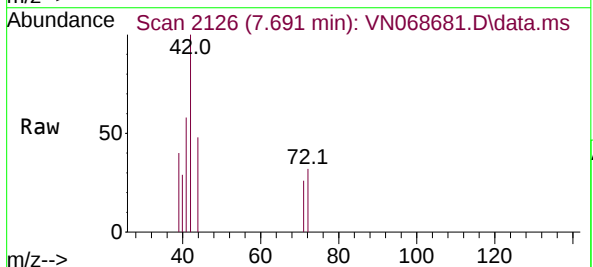
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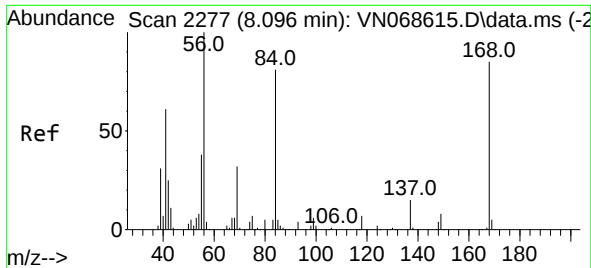
Tgt Ion: 43 Resp: 23704
Ion Ratio Lower Upper
43 100
72 24.1 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.394 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 42 Resp: 1356
Ion Ratio Lower Upper
42 100
72 25.6 32.8 49.2#
71 31.4 31.2 46.8

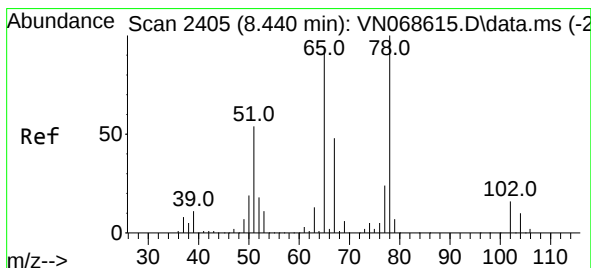
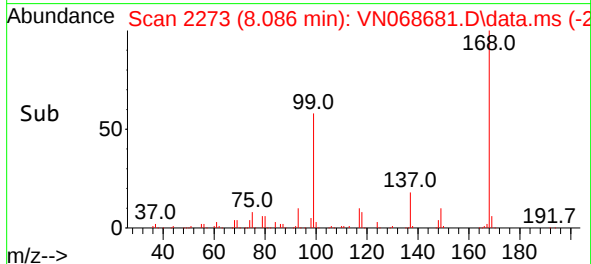
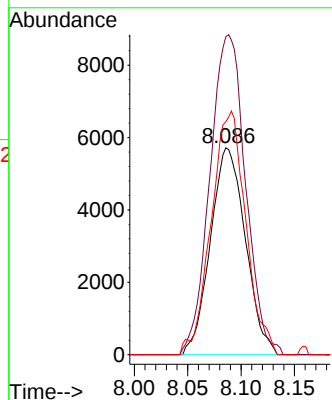
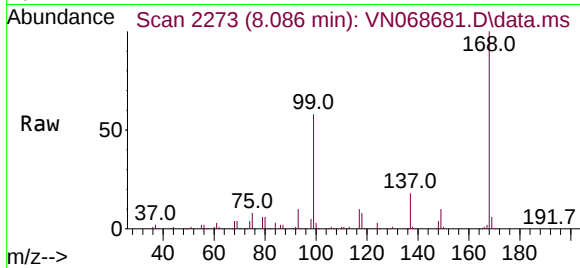




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

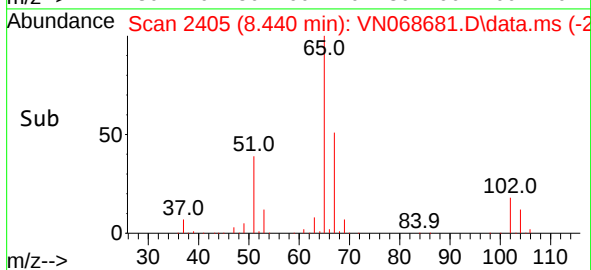
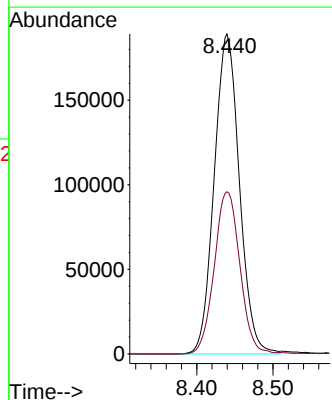
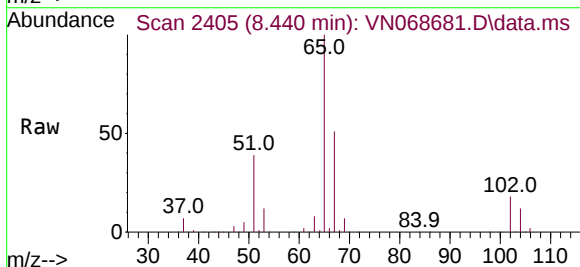
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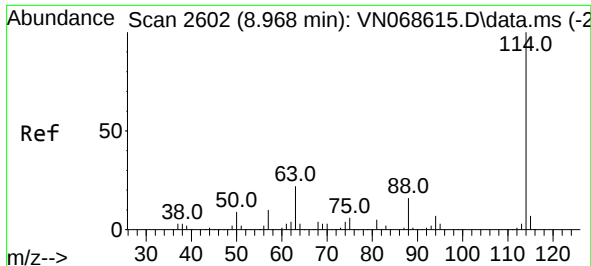
Tgt Ion:	56	Resp:	13029
Ion	Ratio	Lower	Upper
56	100		
69	153.7	27.3	40.9#
84	112.6	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.817 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion:	65	Resp:	434003
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	98.6

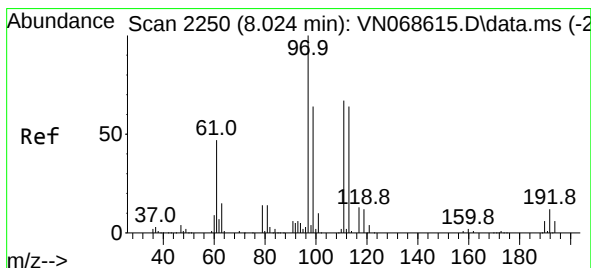
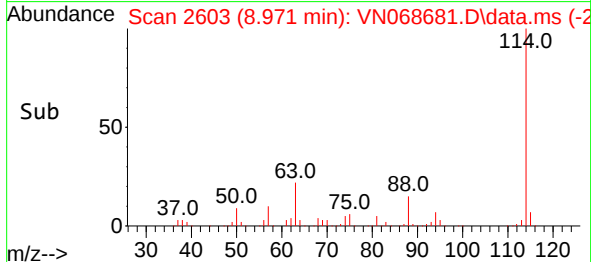
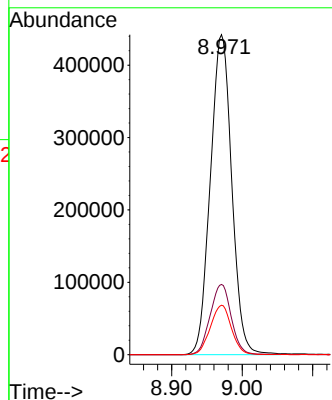
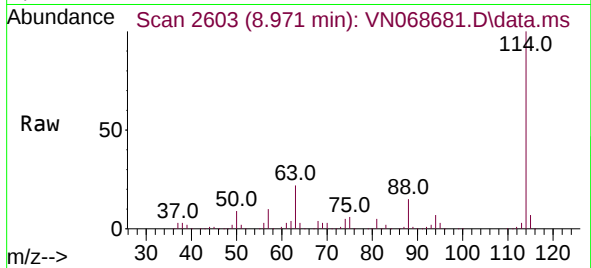




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

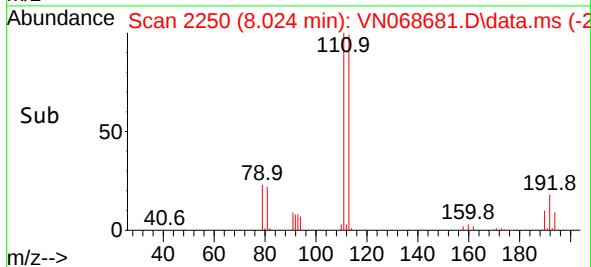
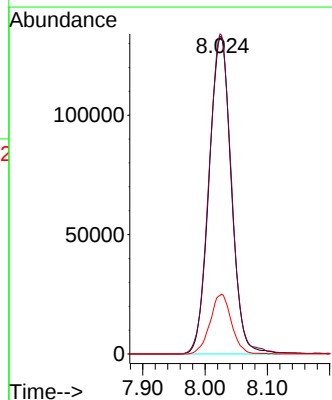
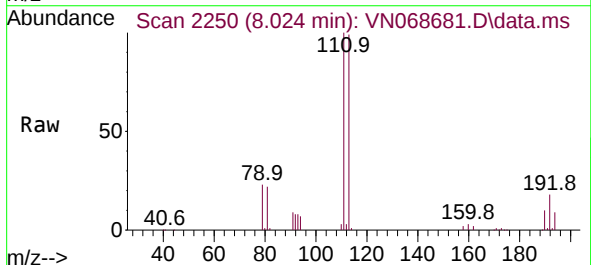
Instrument :
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ClientSampleId :
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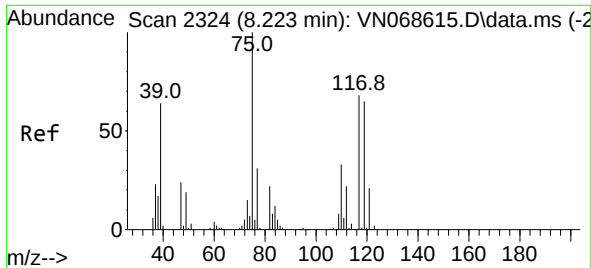
Tgt Ion:114 Resp: 931698
Ion Ratio Lower Upper
114 100
63 21.9 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.900 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion:113 Resp: 329626
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.8
192 18.1 13.4 20.0

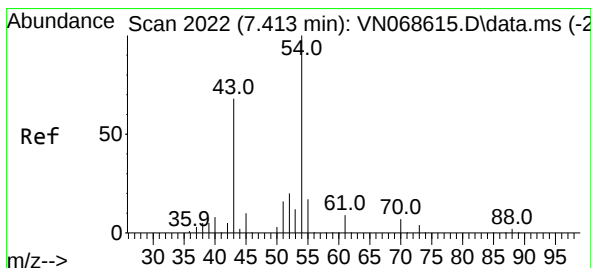
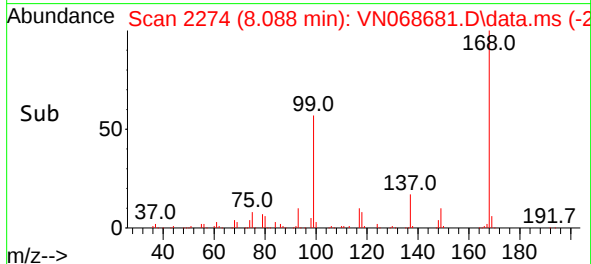
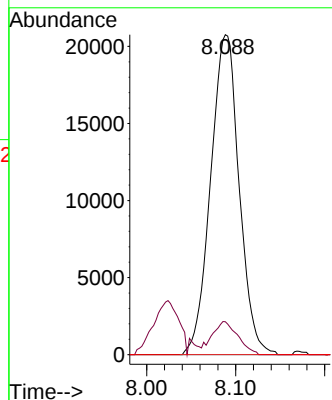
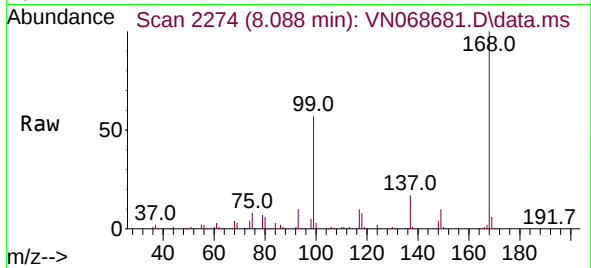




#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

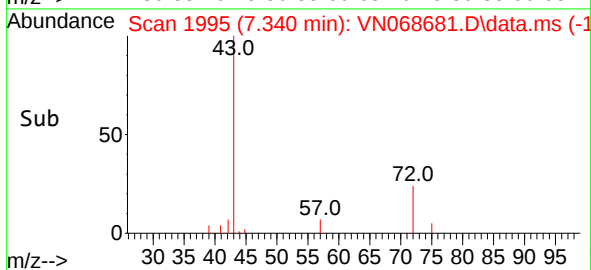
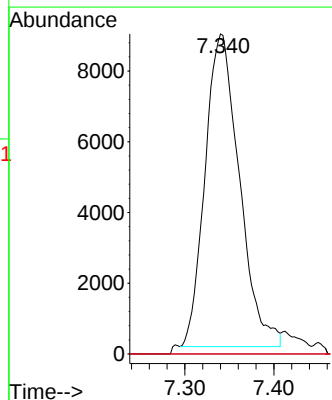
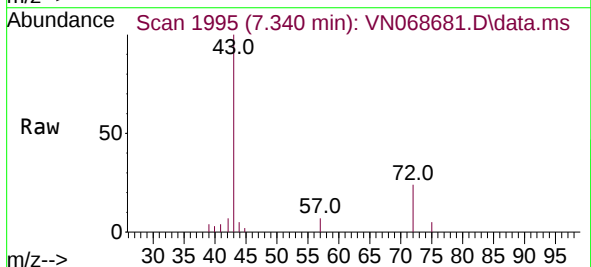
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

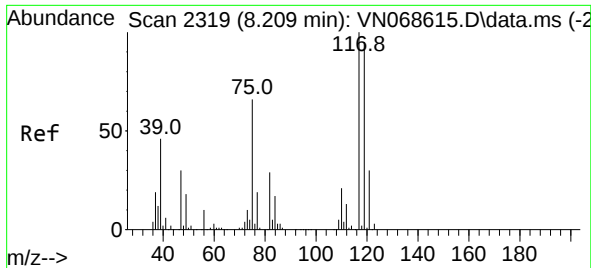
Tgt Ion: 75 Resp: 46229
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.219 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.073 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 43 Resp: 23704
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#

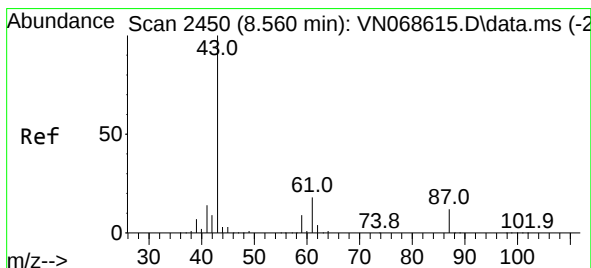
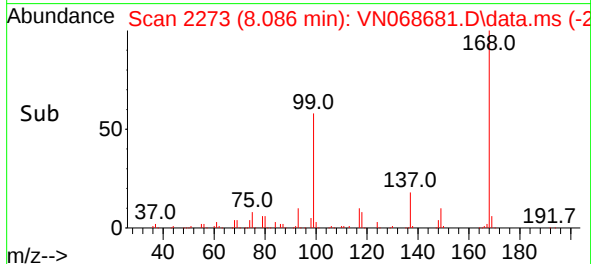
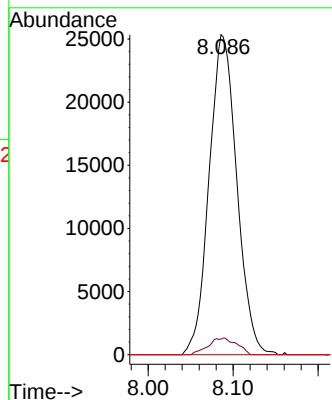
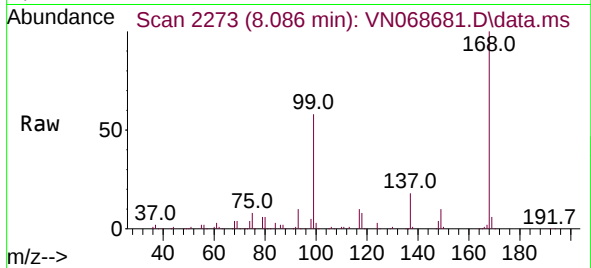




#38
Carbon Tetrachloride
Concen: 5.906 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

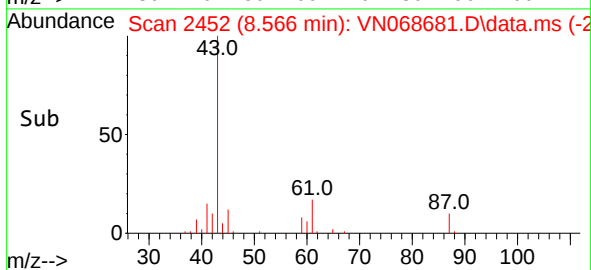
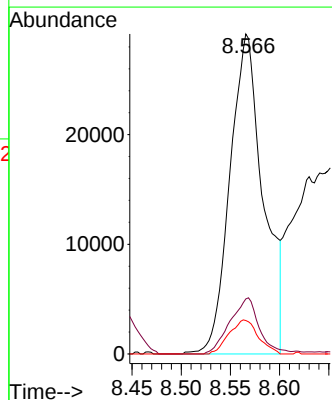
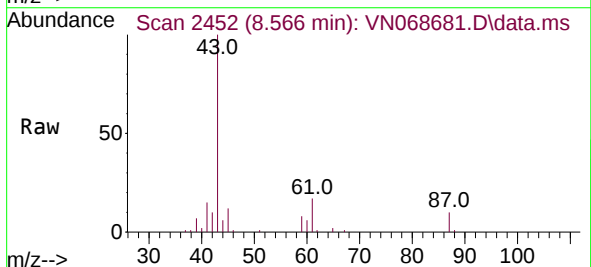
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

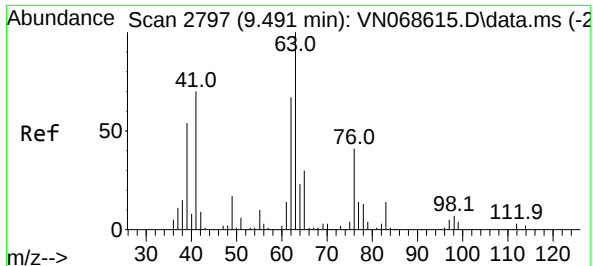
Tgt Ion:117 Resp: 57397
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.754 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 43 Resp: 68604
Ion Ratio Lower Upper
43 100
61 15.4 19.0 28.4#
87 9.4 9.5 14.3#



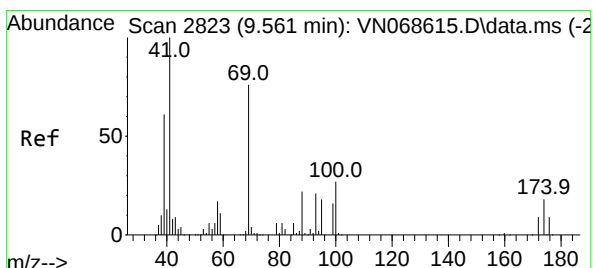
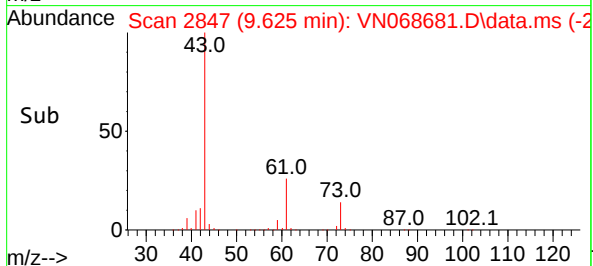
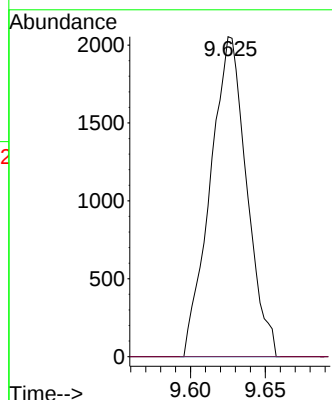
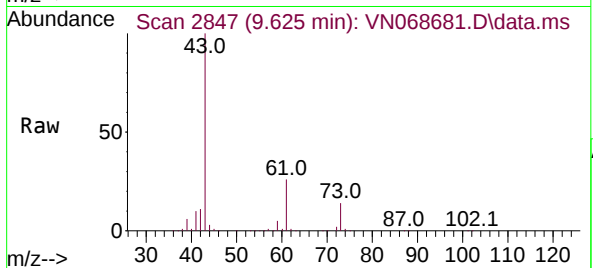


#45

1,2-Dichloropropane
Concen: 0.478 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

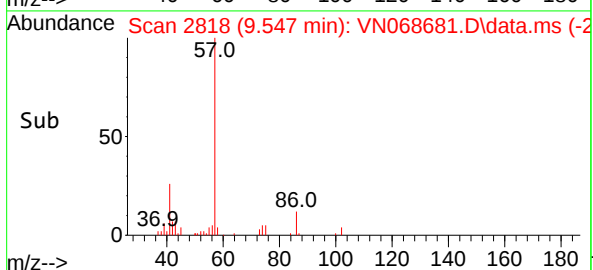
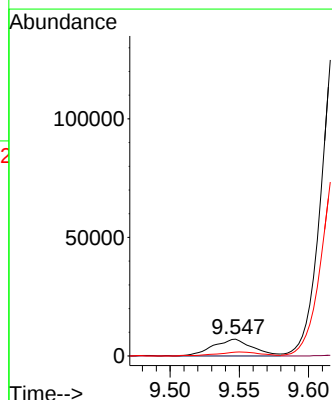
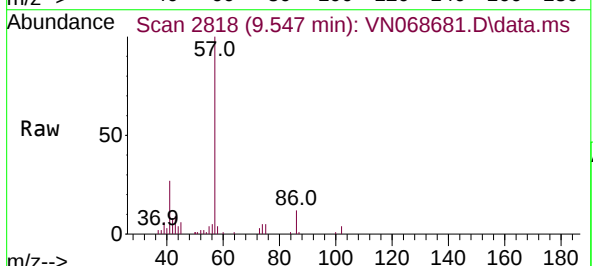
Tgt Ion: 63 Resp: 3479
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

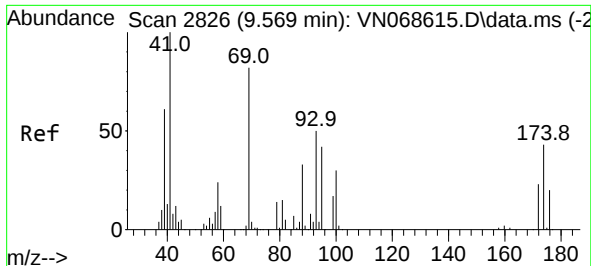


#48

Methyl methacrylate
Concen: 1.690 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 41 Resp: 14106
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 2.004 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN068681.D

Acq: 25 Sep 2021 20:56

Instrument :

MSVOA_N

ClientSampleId :

PB139230ZHE#04

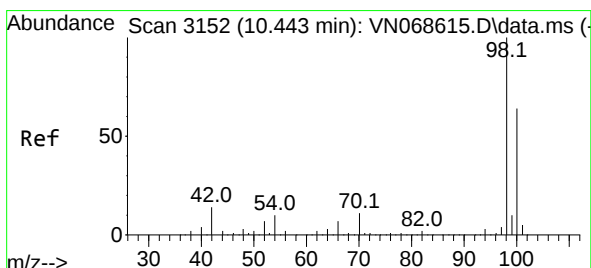
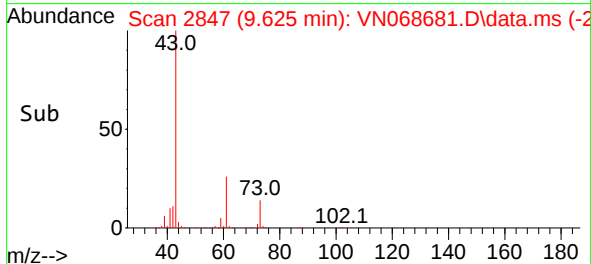
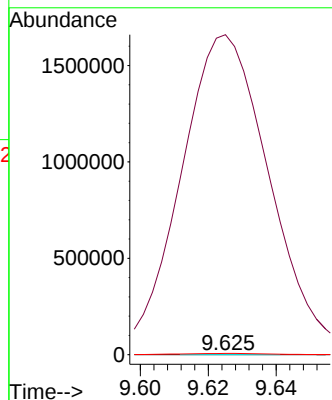
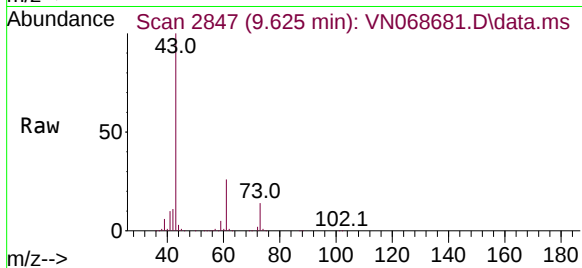
Tgt Ion: 88 Resp: 244

Ion Ratio Lower Upper

88 100

43 1263849.2 28.8 43.2#

58 4975.4 60.4 90.6#



#50

Toluene-d8

Concen: 76.587 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068681.D

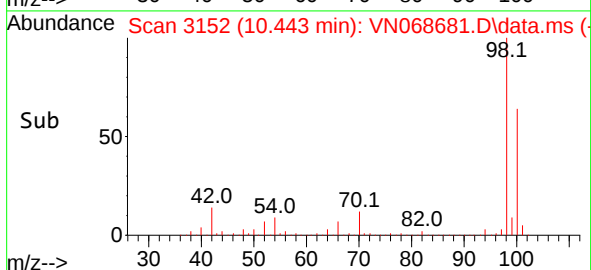
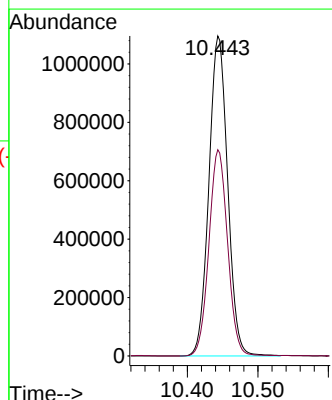
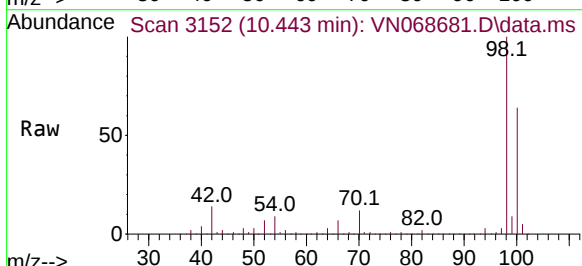
Acq: 25 Sep 2021 20:56

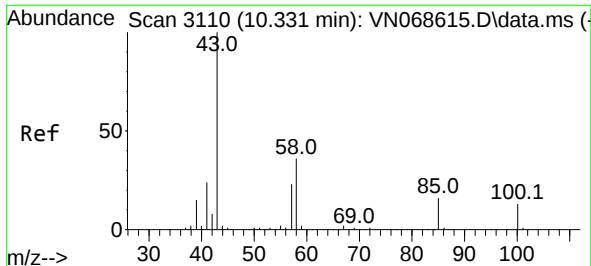
Tgt Ion: 98 Resp: 2023726

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5

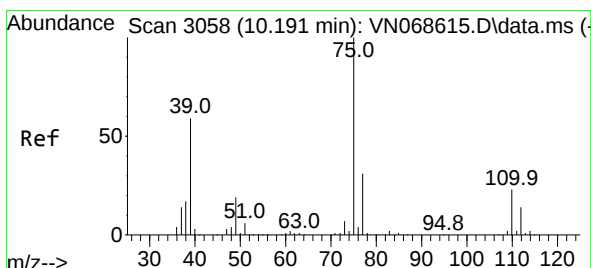
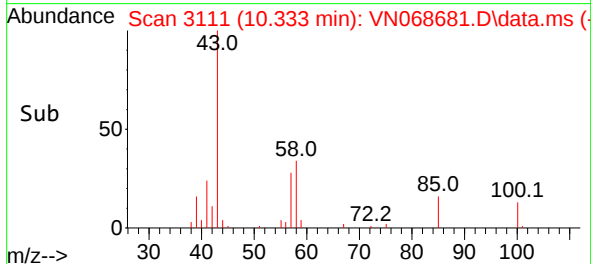
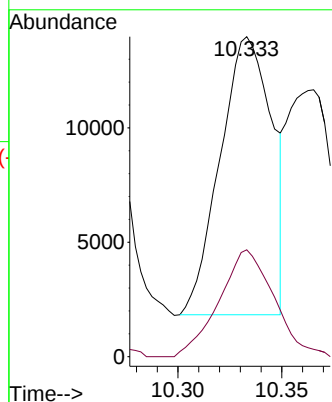
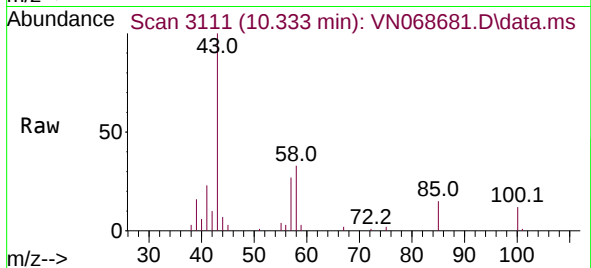




#51
4-Methyl-2-Pentanone
Concen: 1.906 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

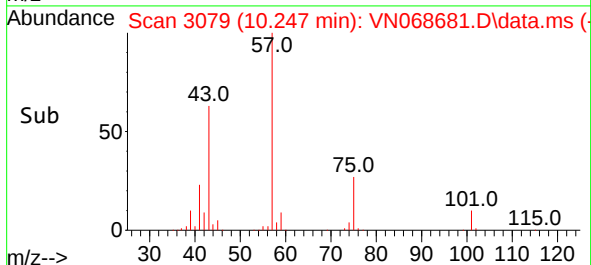
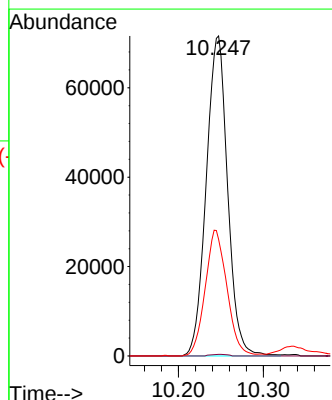
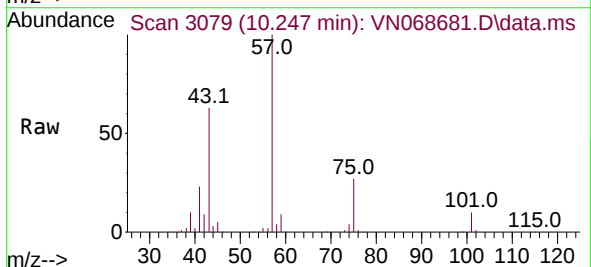
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

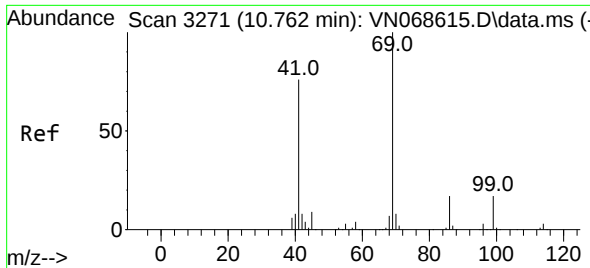
Tgt Ion: 43 Resp: 21061
Ion Ratio Lower Upper
43 100
58 40.7 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 10.874 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 75 Resp: 124937
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 36.4 50.7 76.1#

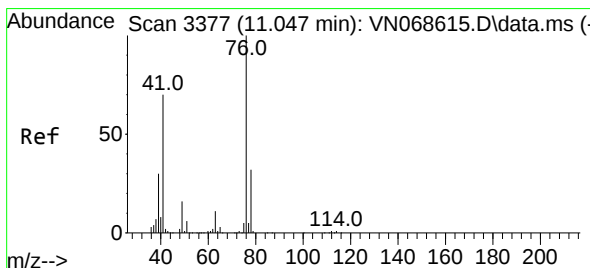
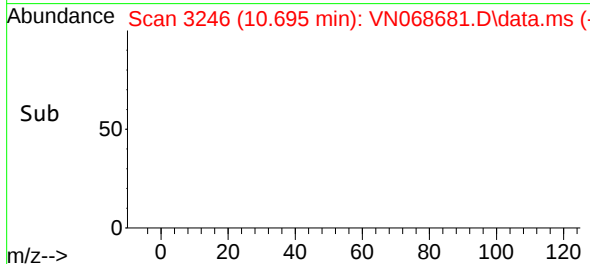
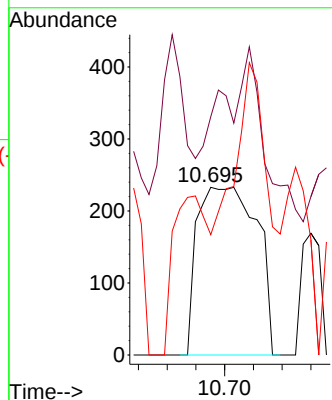
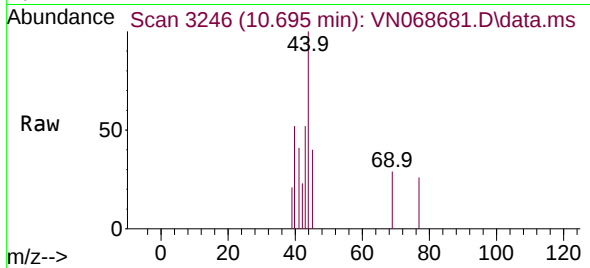




#56
Ethyl methacrylate
Concen: 0.733 ug/l
RT: 10.695 min Scan# 3246
Delta R.T. -0.067 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

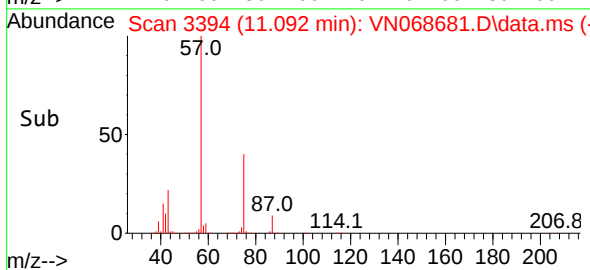
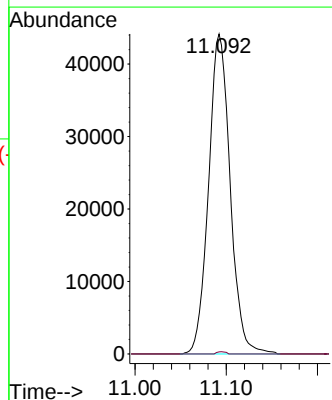
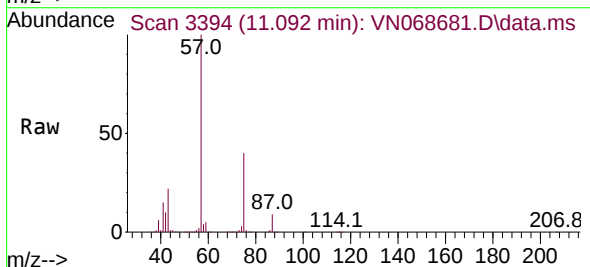
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

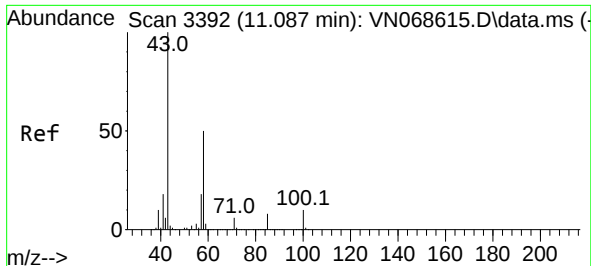
Tgt Ion: 69 Resp: 335
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 0.0 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 6.132 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 76 Resp: 72623
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

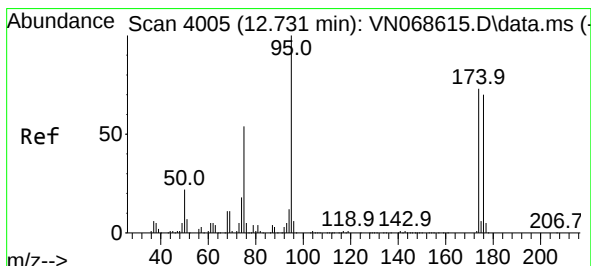
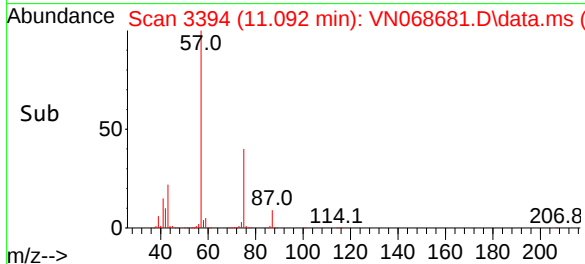
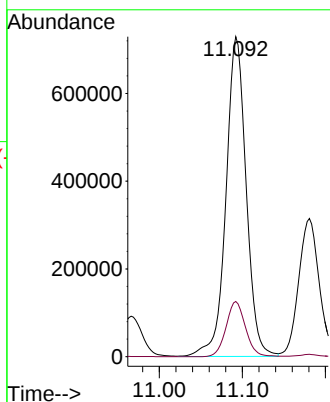
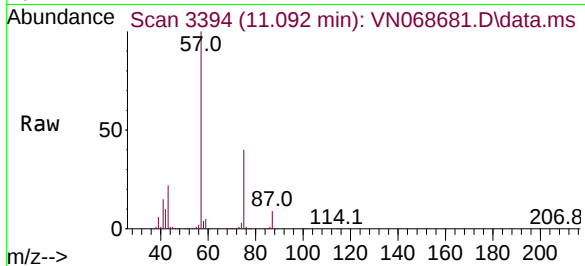




#59
2-Hexanone
Concen: 154.847 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

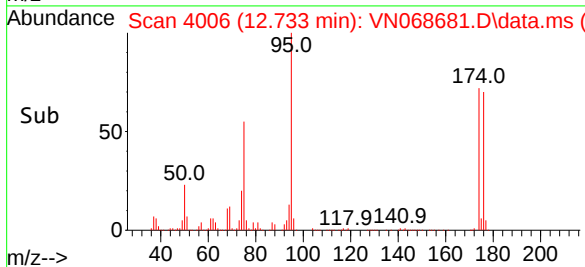
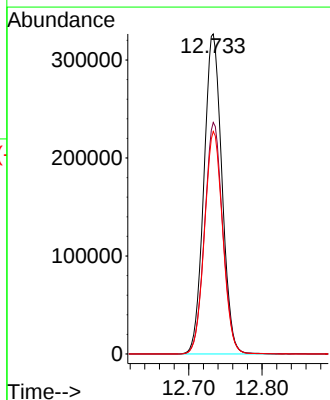
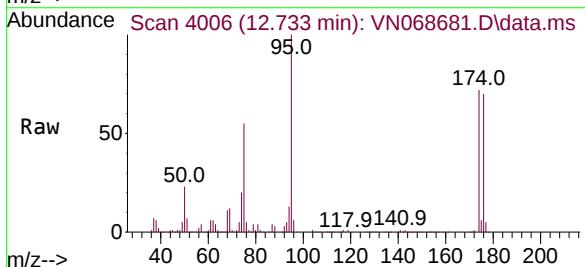
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

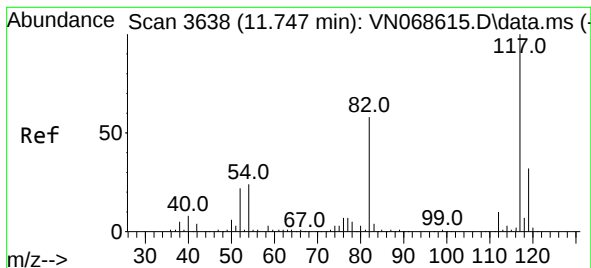
Tgt Ion: 43 Resp: 1230656
Ion Ratio Lower Upper
43 100
58 16.7 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 61.657 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 95 Resp: 557197
Ion Ratio Lower Upper
95 100
174 73.0 0.0 122.0
176 70.4 0.0 117.6

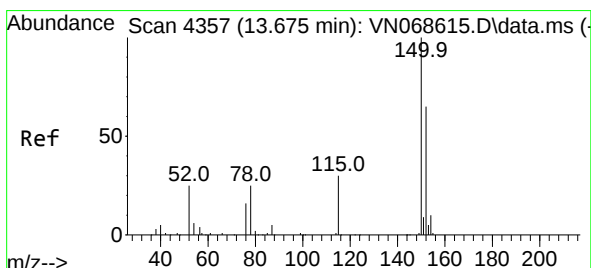
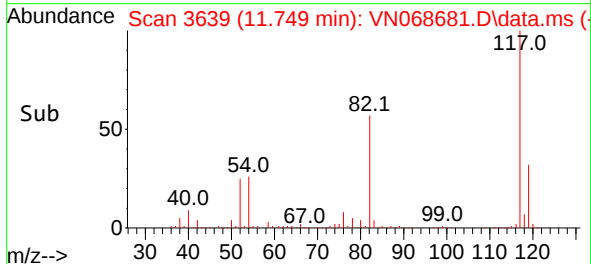
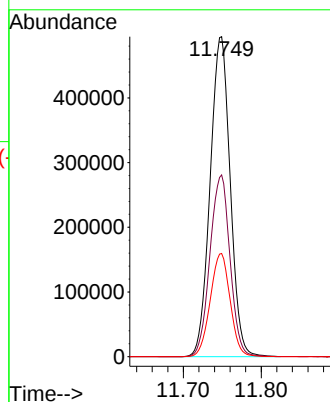
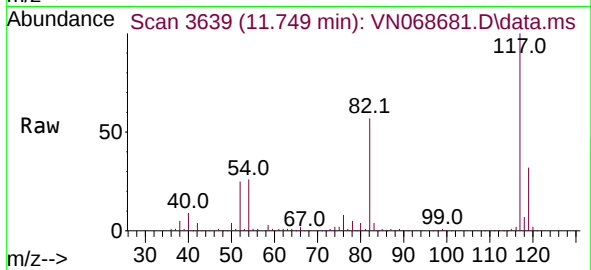




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

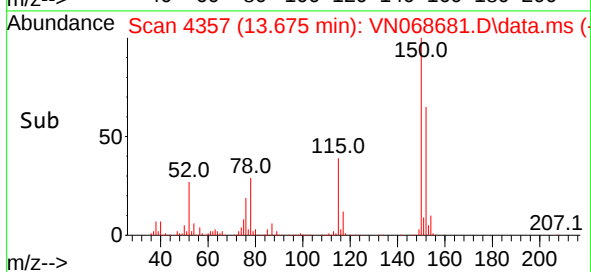
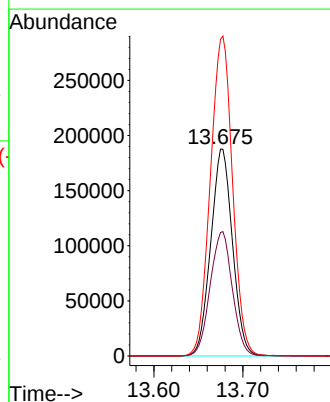
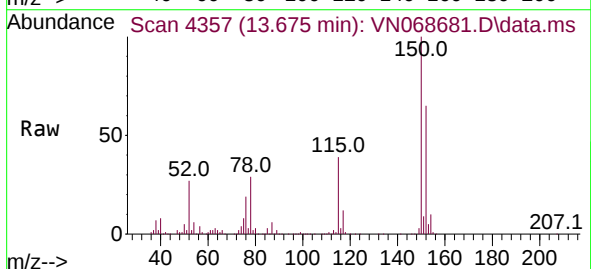
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

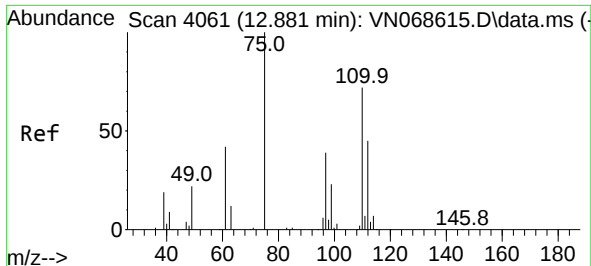
Tgt Ion:117 Resp: 885737
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion:152 Resp: 318744
Ion Ratio Lower Upper
152 100
115 61.4 36.1 108.5
150 157.3 0.0 351.8

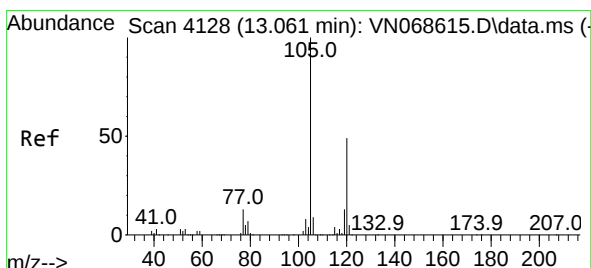
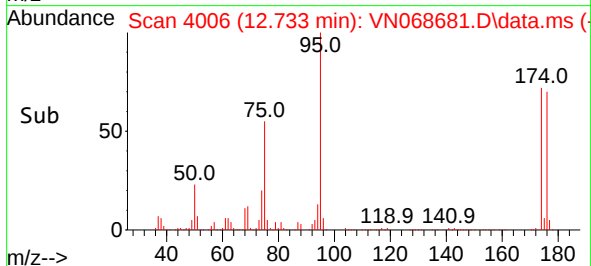
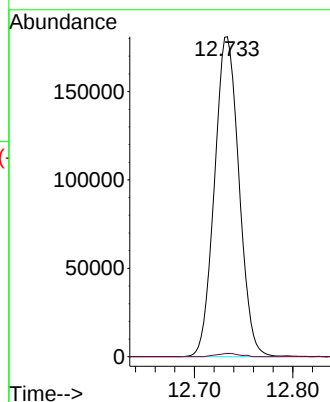
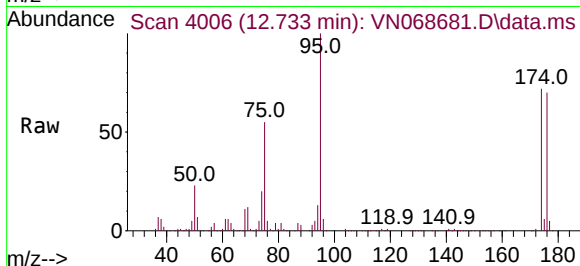




#76
1,2,3-Trichloropropane
Concen: 39.808 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

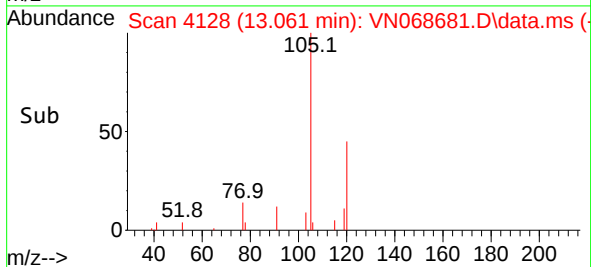
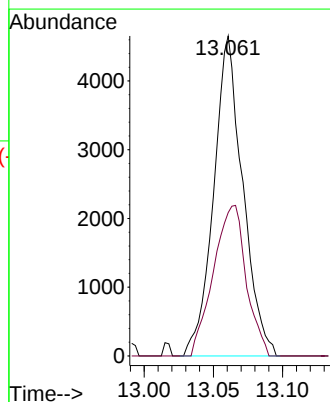
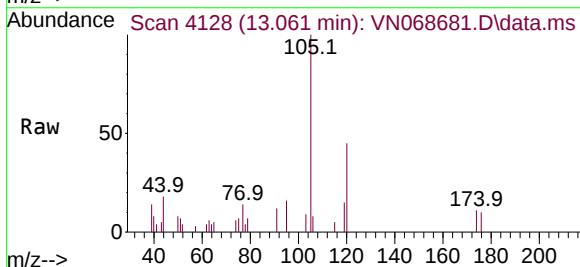
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

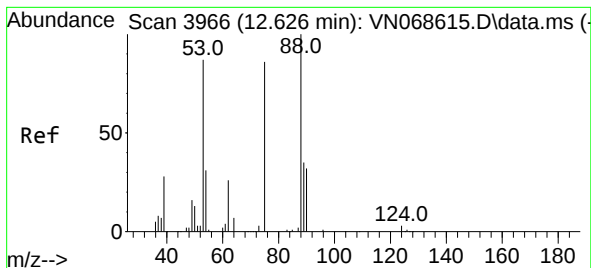
Tgt Ion: 75 Resp: 313736
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.304 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion:105 Resp: 6816
Ion Ratio Lower Upper
105 100
120 52.8 22.2 66.6

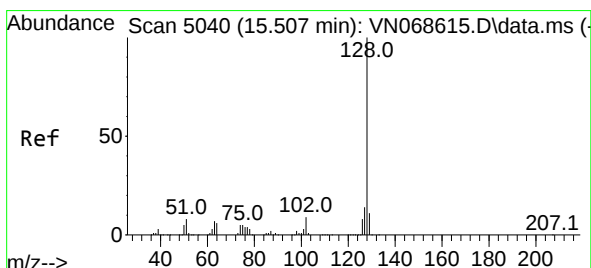
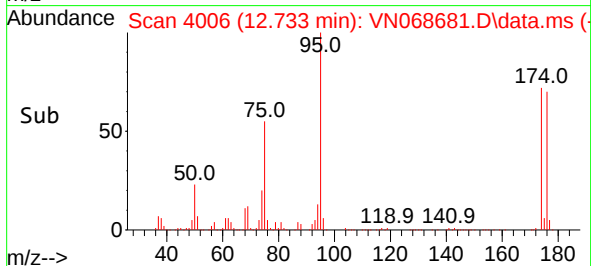
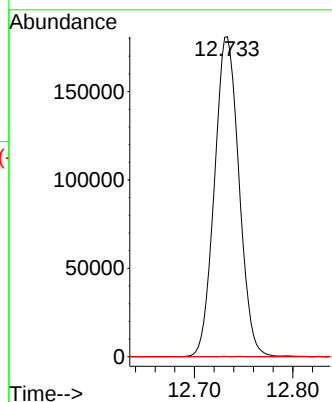
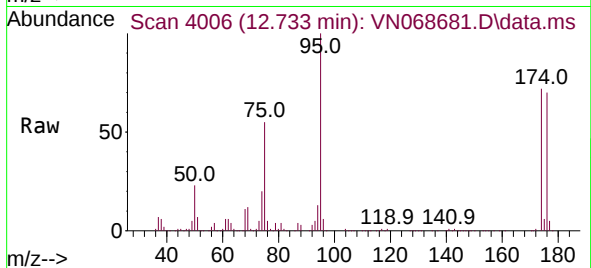




#81
trans-1,4-Dichloro-2-butene
Concen: 112.448 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#04

Tgt Ion: 75 Resp: 313736
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 2.723 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068681.D
Acq: 25 Sep 2021 20:56

Tgt Ion: 128 Resp: 17858
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 9.0 8.6 12.8

