

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068671.D
 Acq On : 25 Sep 2021 16:44
 Operator : JC/MD
 Sample : PB139323ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139323ZHE#02

Quant Time: Sep 27 04:45:29 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)

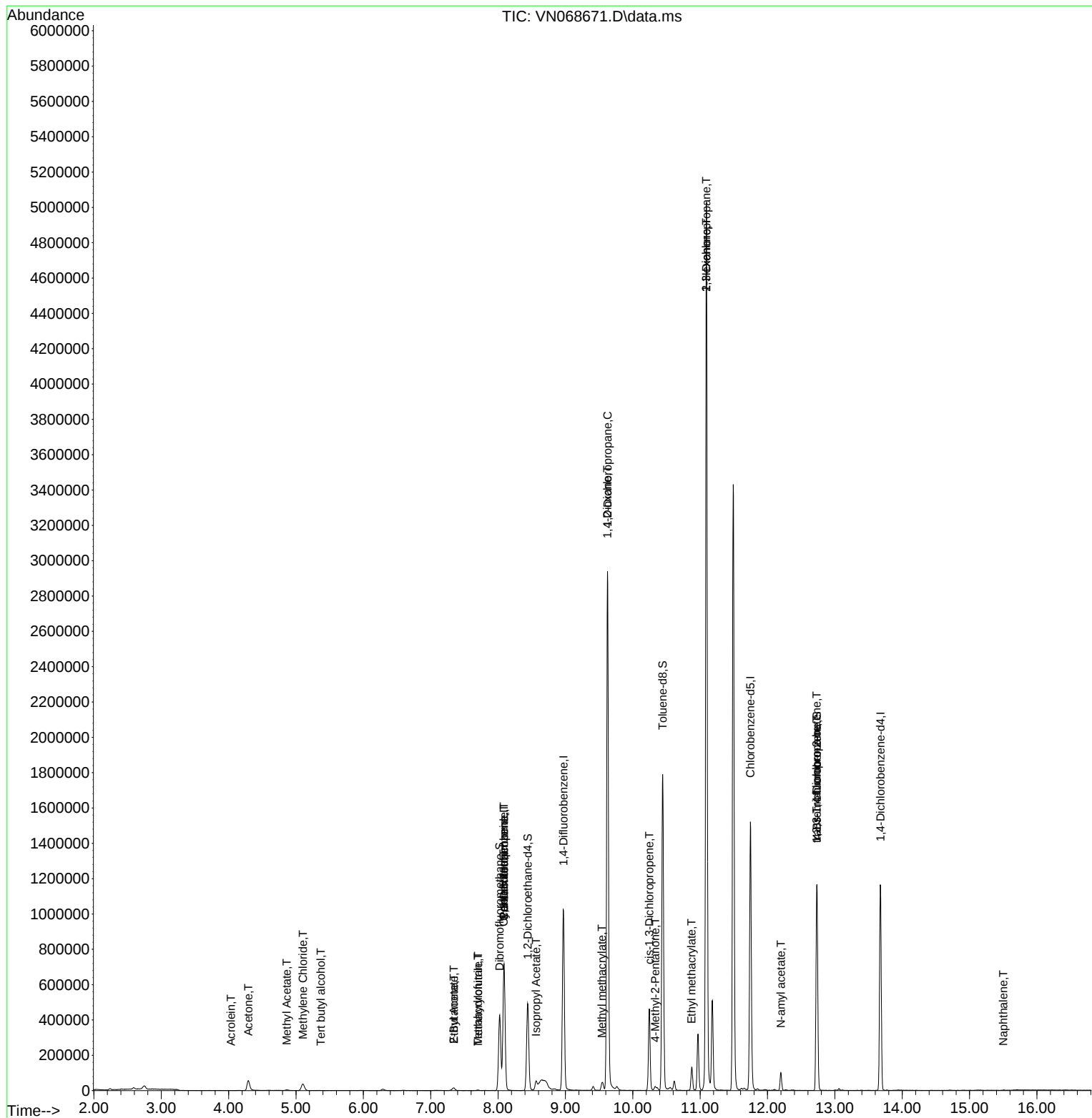
Internal Standards						
1) Pentafluorobenzene	8.088	168	546399	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	892360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	846201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	299509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	406162	47.578	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.160%		
35) Dibromofluoromethane	8.024	113	310082	51.941	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.880%		
50) Toluene-d8	10.443	98	1230890	48.636	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.280%		
62) 4-Bromofluorobenzene	12.733	95	406844	47.005	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.000%		
Target Compounds						
5) Bromomethane	2.874	94	706	Below Cal		81
6) Chloroethane	3.001	64	370	Below Cal		98
11) Tert butyl alcohol	5.369	59	282	0.215 ug/l	#	71
13) Acrolein	4.036	56	79	7.011 ug/l	#	14
16) Acetone	4.293	43	108445	24.714 ug/l		96
18) Methyl Acetate	4.862	43	9092	0.725 ug/l	#	63
20) Methylene Chloride	5.103	84	29682	2.712 ug/l		92
25) 2-Butanone	7.343	43	25266	4.859 ug/l		96
29) Tetrahydrofuran	7.699	42	1707	0.516 ug/l	#	65
31) Cyclohexane	8.083	56	13241	1.106 ug/l	#	27
36) 1,1-Dichloropropene	8.088	75	44469	4.934 ug/l	#	53
37) Ethyl Acetate	7.343	43	25266	2.469 ug/l	#	69
38) Carbon Tetrachloride	8.086	117	54120	5.814 ug/l	#	17
41) Methacrylonitrile	7.705	41	1262	0.233 ug/l	#	47
43) Isopropyl Acetate	8.563	43	66799	3.816 ug/l	#	85
45) 1,2-Dichloropropane	9.625	63	3483	0.500 ug/l	#	44
48) Methyl methacrylate	9.542	41	12913	1.615 ug/l	#	12
49) 1,4-Dioxane	9.622	88	290	2.487 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.333	43	12892	1.218 ug/l	#	85
54) cis-1,3-Dichloropropene	10.245	75	78014	7.090 ug/l	#	62
56) Ethyl methacrylate	10.872	69	793	0.773 ug/l	#	1
57) 1,3-Dichloropropane	11.092	76	49444	4.359 ug/l	#	43
59) 2-Hexanone	11.092	43	808142	106.167 ug/l	#	53
74) N-ethyl acetate	12.197	43	32839	2.865 ug/l	#	55
76) 1,2,3-Trichloropropane	12.731	75	232543	31.401 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.731	75	232543	88.700 ug/l	#	6
95) Naphthalene	15.501	128	2269	1.749 ug/l	#	78

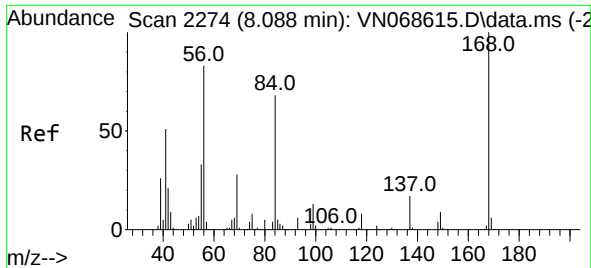
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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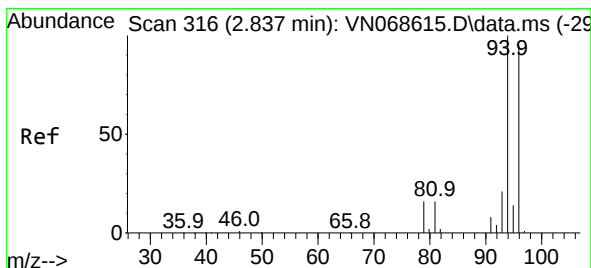
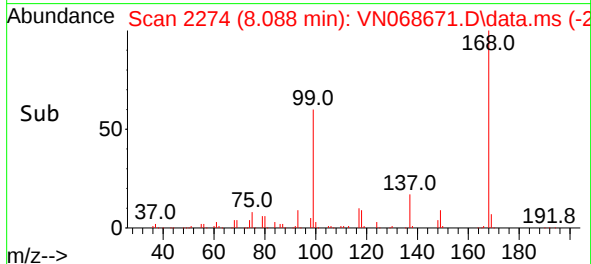
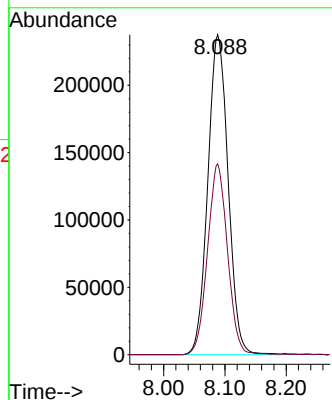
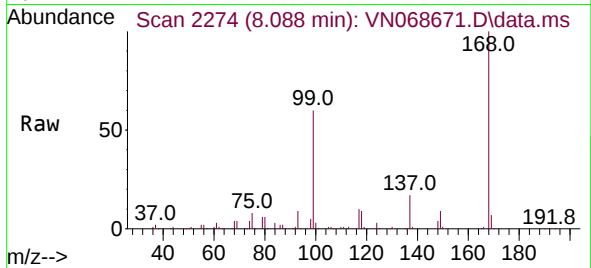




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

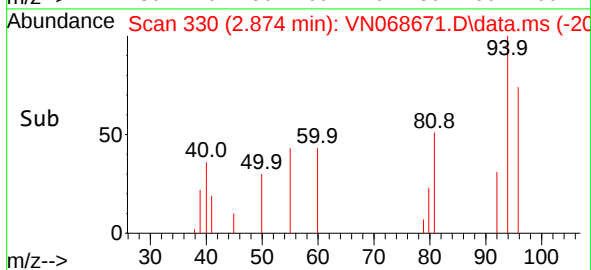
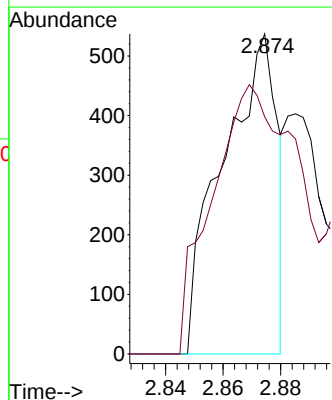
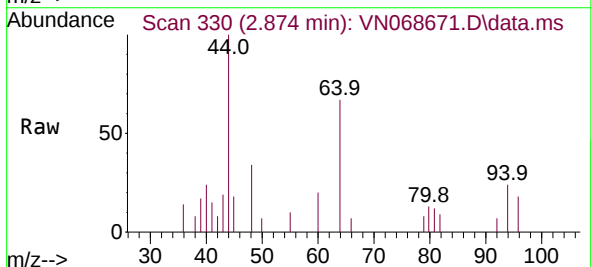
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

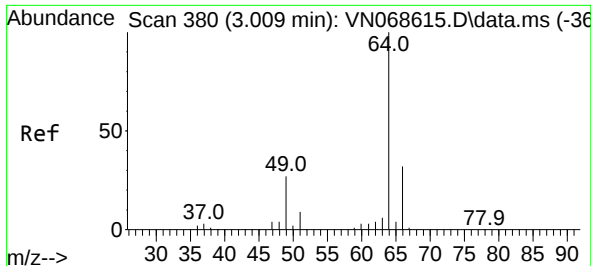
Tgt Ion:168 Resp: 546399
Ion Ratio Lower Upper
168 100
99 59.6 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.874 min Scan# 330
Delta R.T. 0.037 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 94 Resp: 706
Ion Ratio Lower Upper
94 100
96 74.1 73.7 110.5

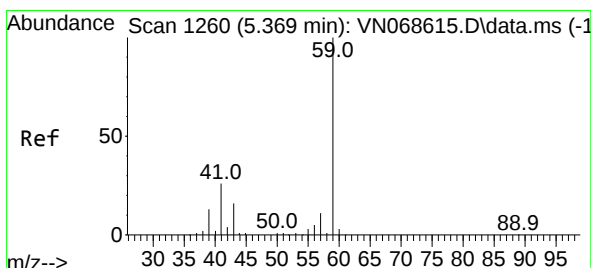
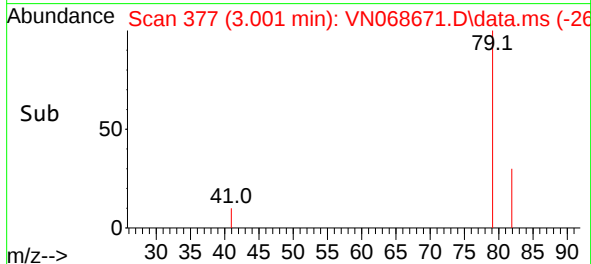
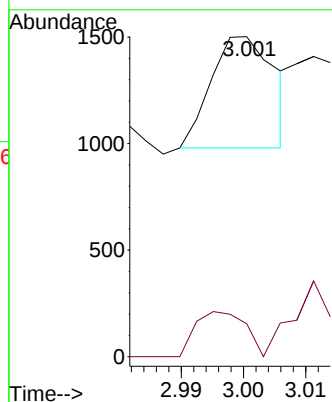
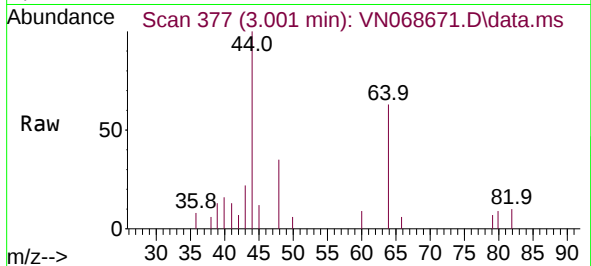




#6
Chloroethane
Concen: Below Cal
RT: 3.001 min Scan# 377
Delta R.T. -0.008 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

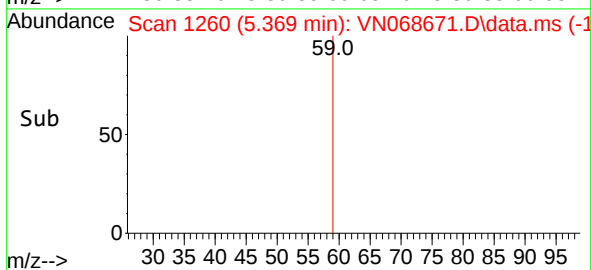
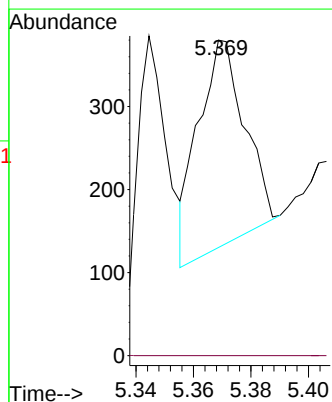
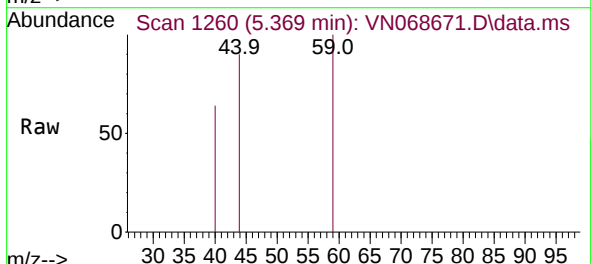
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

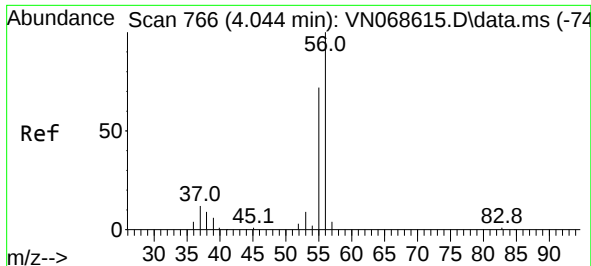
Tgt Ion: 64 Resp: 370
Ion Ratio Lower Upper
64 100
66 29.7 24.7 37.1



#11
Tert butyl alcohol
Concen: 0.215 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

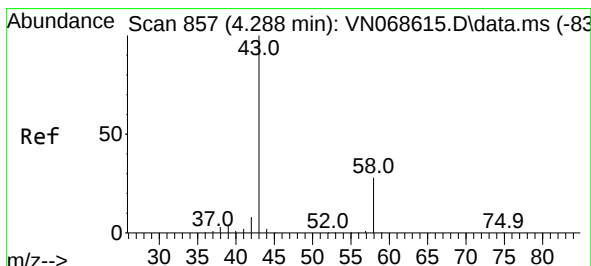
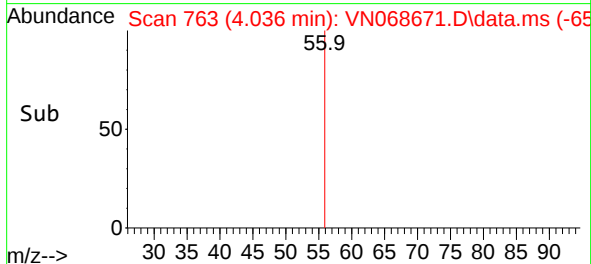
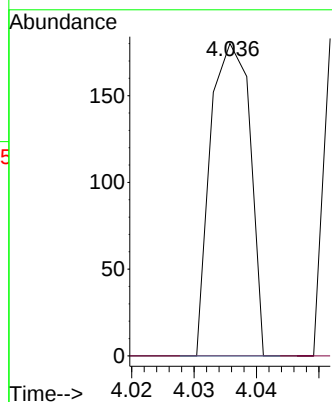
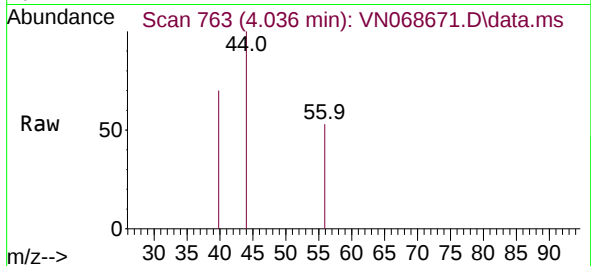




#13
Acrolein
Concen: 7.011 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.008 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

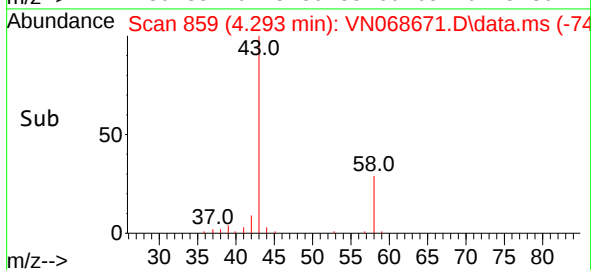
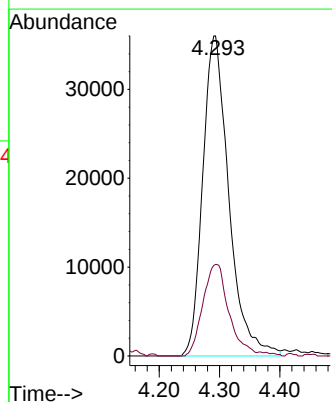
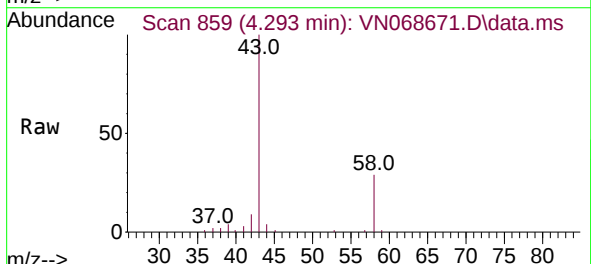
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

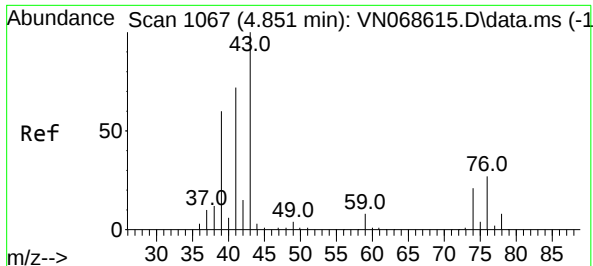
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 24.714 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 43 Resp: 108445
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8





#18

Methyl Acetate

Concen: 0.725 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.011 min

Lab File: VN068671.D

Acq: 25 Sep 2021 16:44

Instrument :

MSVOA_N

ClientSampleId :

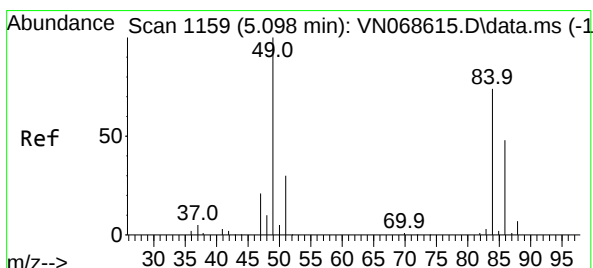
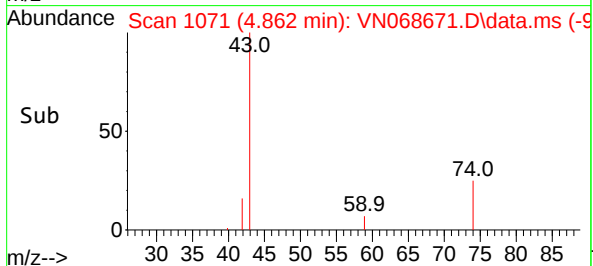
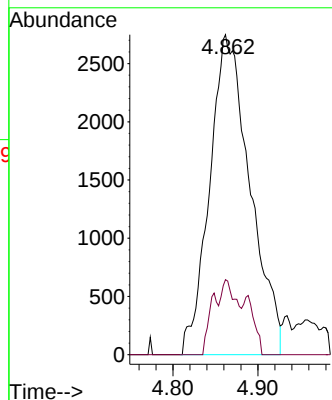
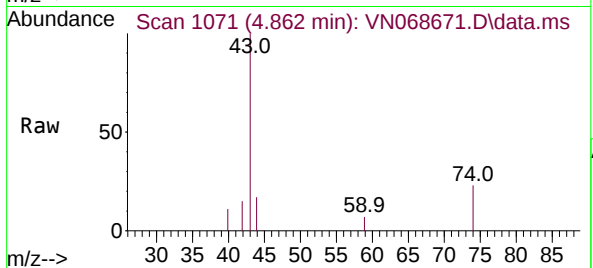
PB139323ZHE#02

Tgt Ion: 43 Resp: 9092

Ion Ratio Lower Upper

43 100

74 4.1 17.4 26.0#



#20

Methylene Chloride

Concen: 2.712 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.005 min

Lab File: VN068671.D

Acq: 25 Sep 2021 16:44

Tgt Ion: 84 Resp: 29682

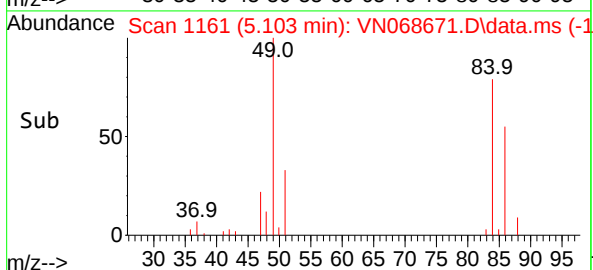
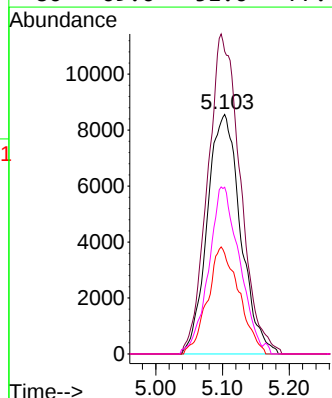
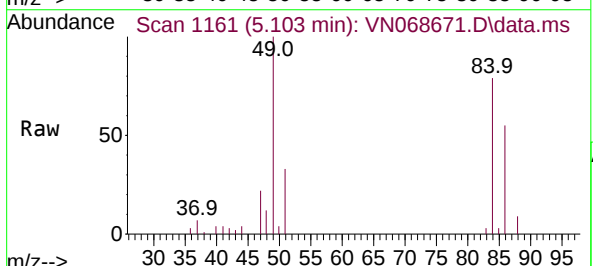
Ion Ratio Lower Upper

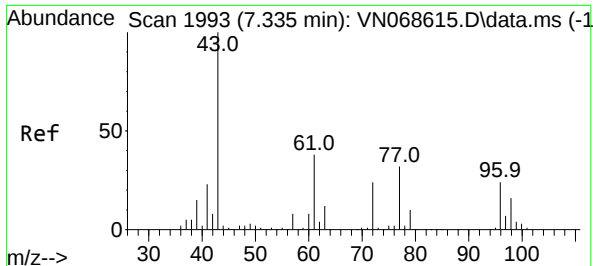
84 100

49 126.3 110.9 166.3

51 41.9 32.6 49.0

86 69.6 51.6 77.4





#25

2-Butanone

Concen: 4.859 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.008 min

Lab File: VN068671.D

Acq: 25 Sep 2021 16:44

Tgt Ion: 43 Resp: 25266

Ion Ratio Lower Upper

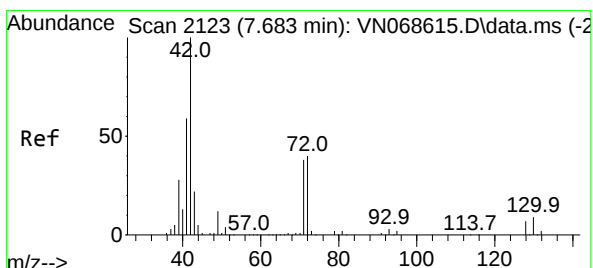
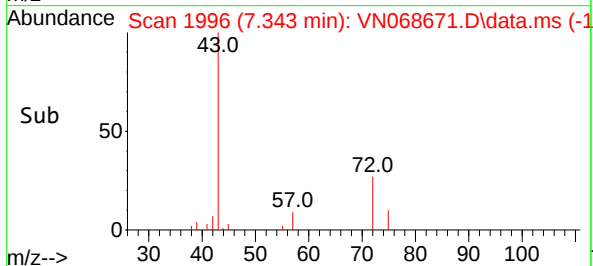
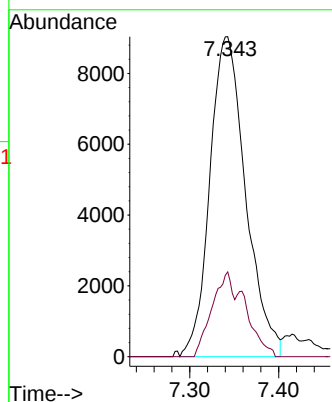
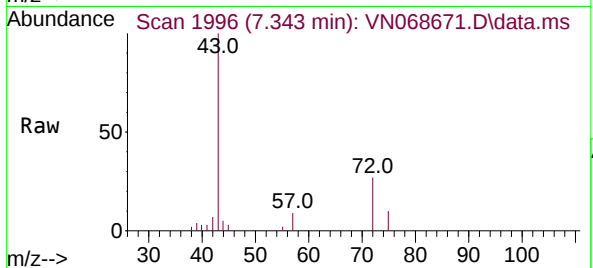
43	100		
72	26.5	19.7	29.5

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#29

Tetrahydrofuran

Concen: 0.516 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

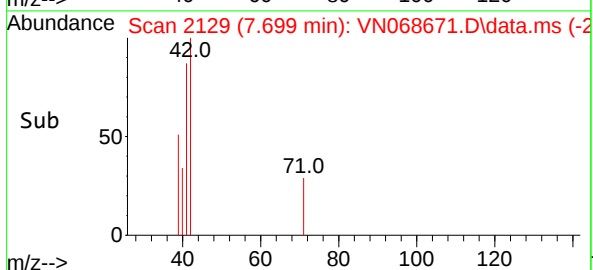
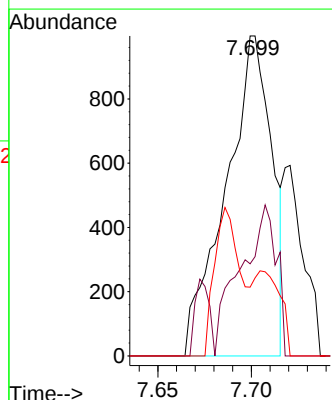
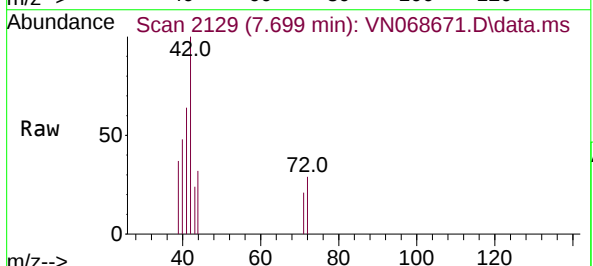
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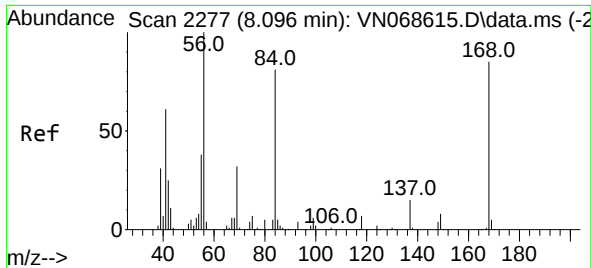
Acq: 25 Sep 2021 16:44

Tgt Ion: 42 Resp: 1707

Ion Ratio Lower Upper

42	100		
72	36.9	32.8	49.2
71	0.0	31.2	46.8#

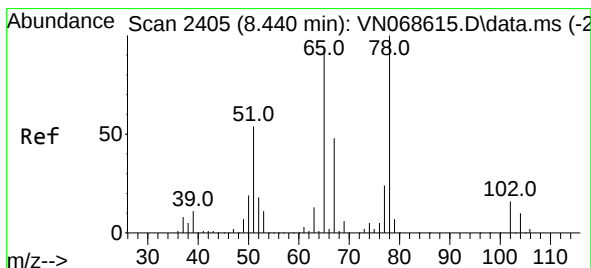
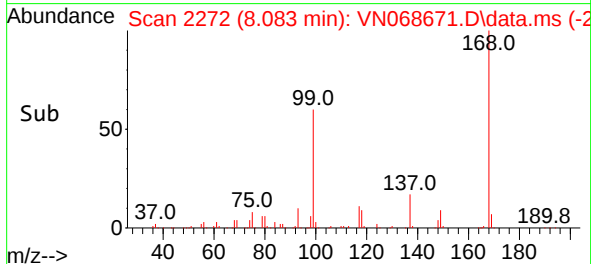
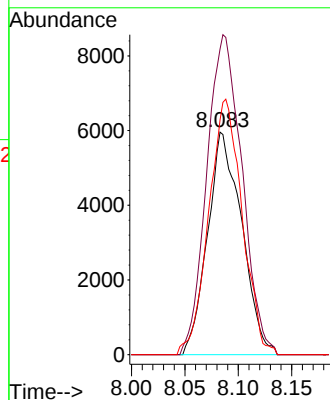
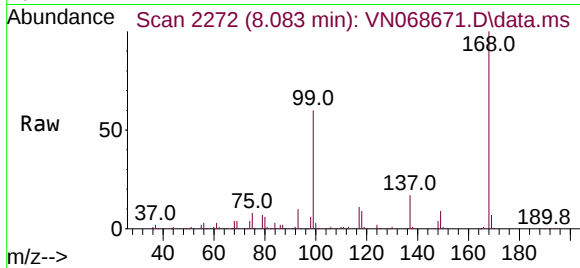




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

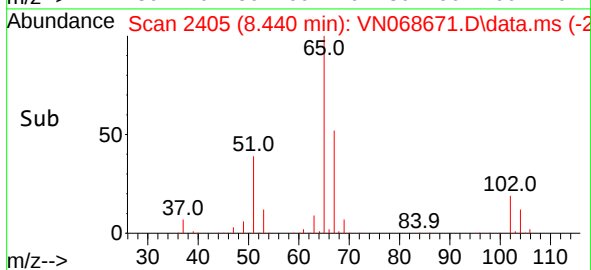
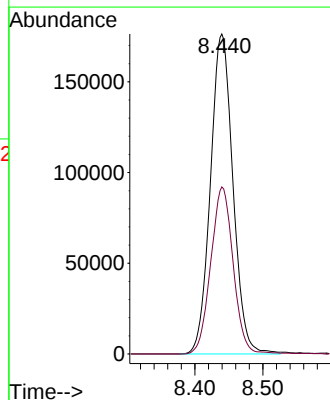
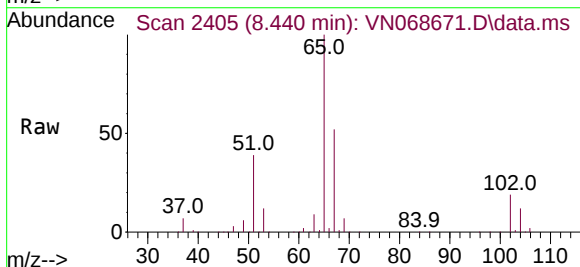
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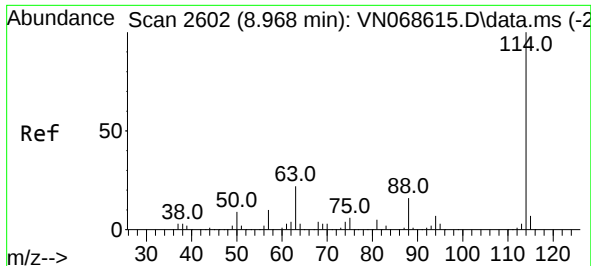
Tgt Ion: 56 Resp: 13241
Ion Ratio Lower Upper
56 100
69 137.3 27.3 40.9#
84 105.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 47.578 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 65 Resp: 406162
Ion Ratio Lower Upper
65 100
67 51.9 0.0 98.6

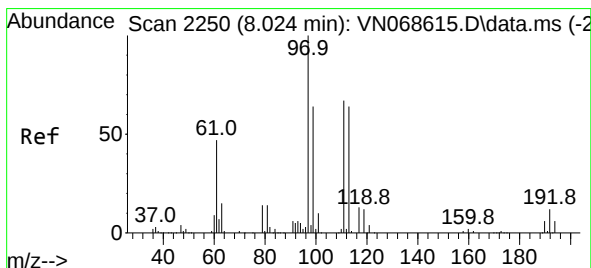
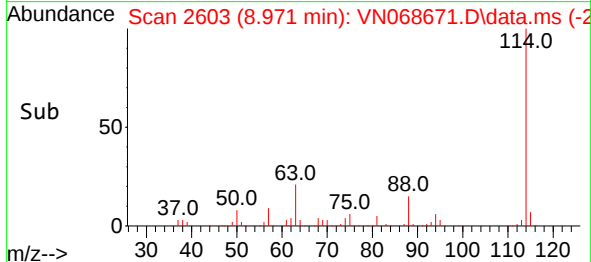
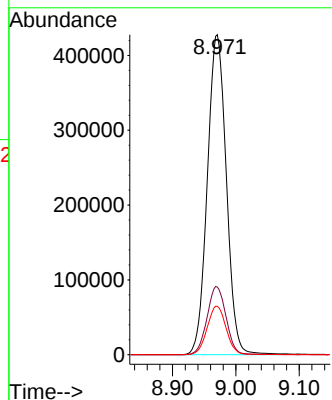
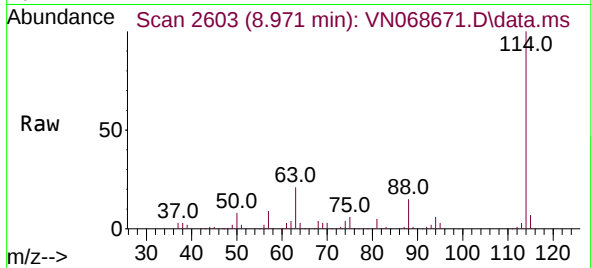




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

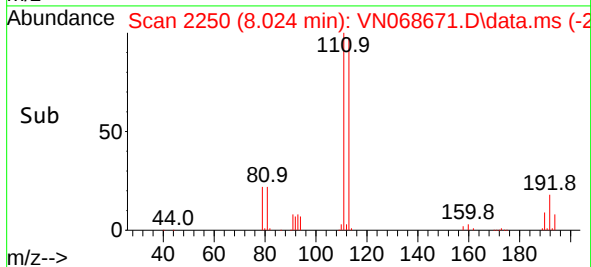
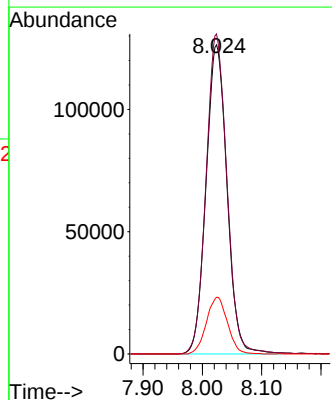
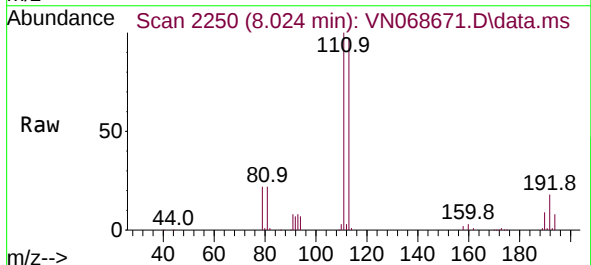
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

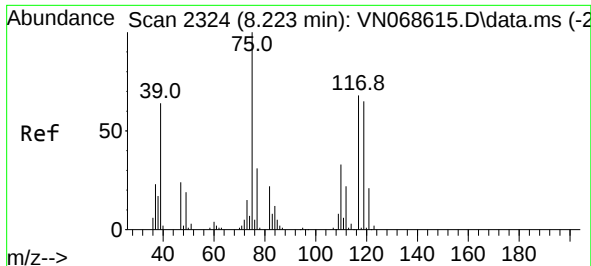
Tgt Ion:114 Resp: 892360
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.941 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion:113 Resp: 310082
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 18.4 13.4 20.0

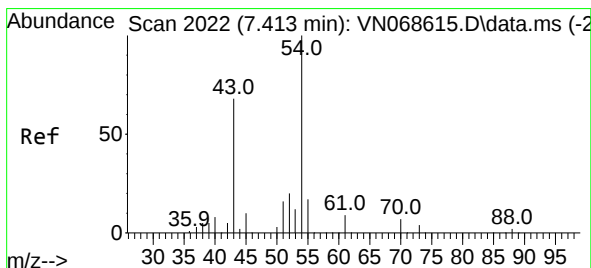
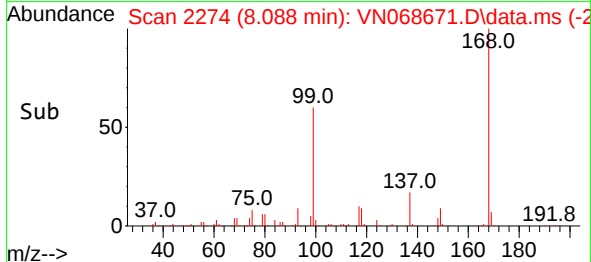
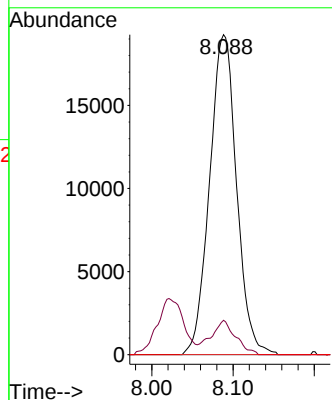
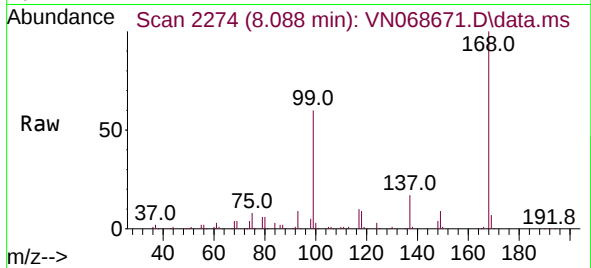




#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.135 min
 Lab File: VN068671.D
 Acq: 25 Sep 2021 16:44

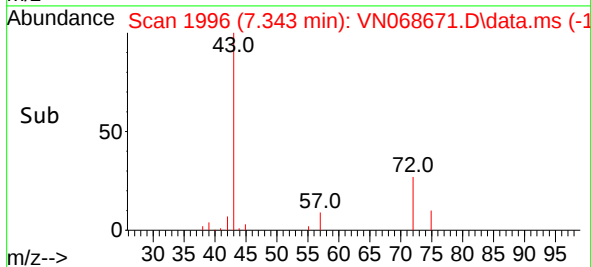
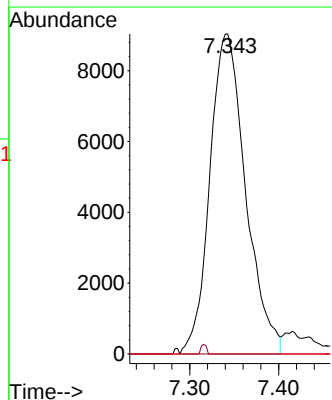
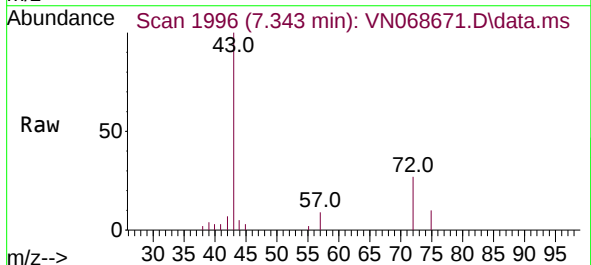
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139323ZHE#02

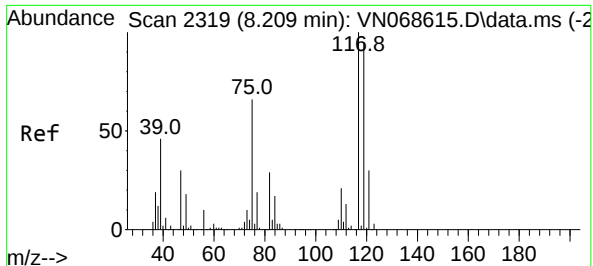
Tgt Ion:	75	Resp:	44469
Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.7	47.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 2.469 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.070 min
 Lab File: VN068671.D
 Acq: 25 Sep 2021 16:44

Tgt Ion:	43	Resp:	25266
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

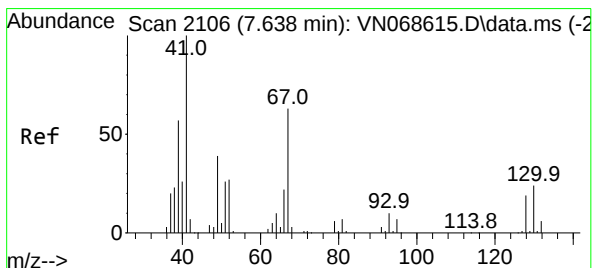
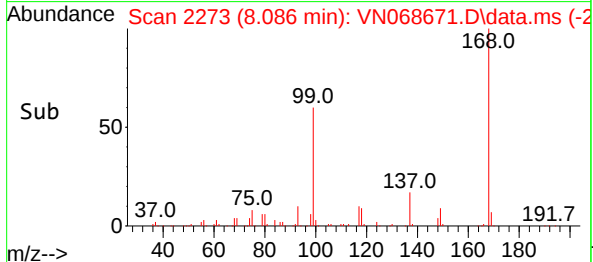
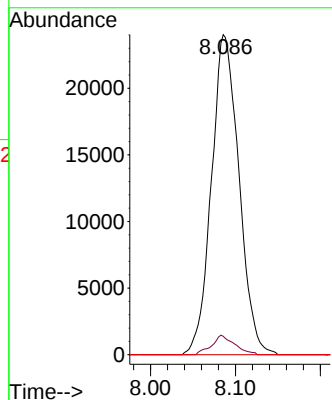
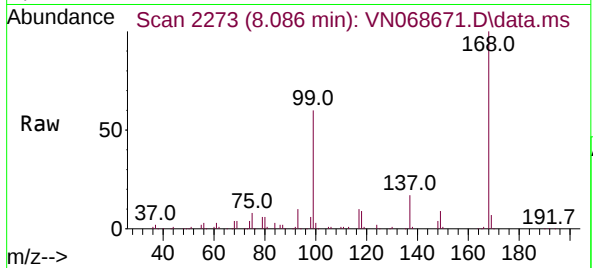




#38
Carbon Tetrachloride
Concen: 5.814 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

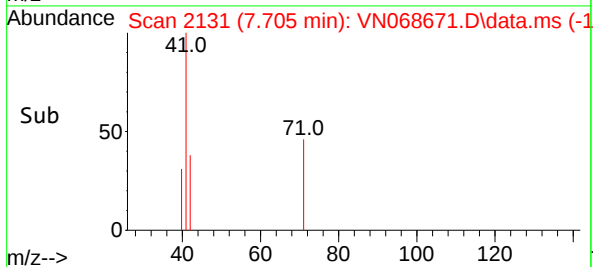
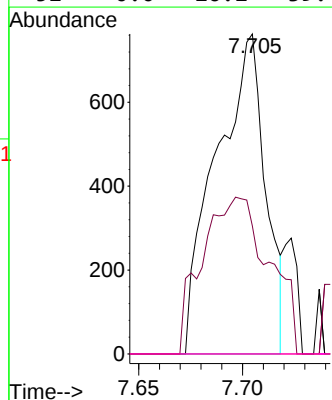
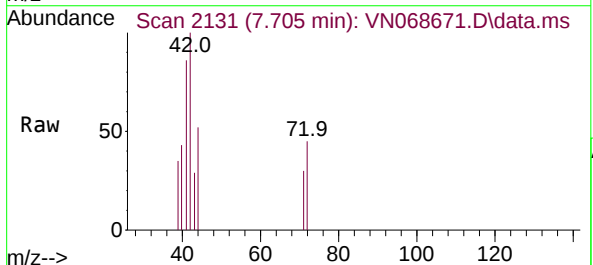
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

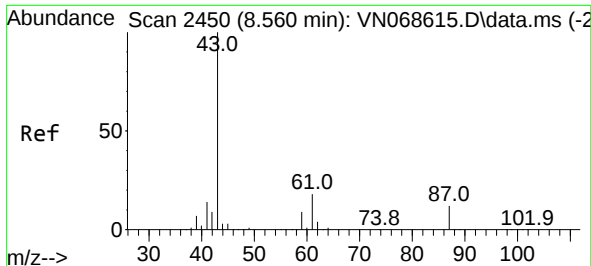
Tgt Ion: 117 Resp: 54120
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.233 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 41 Resp: 1262
Ion Ratio Lower Upper
41 100
39 66.6 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

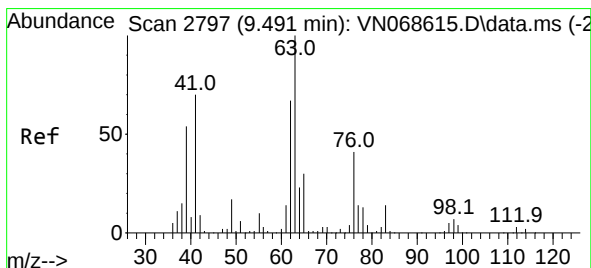
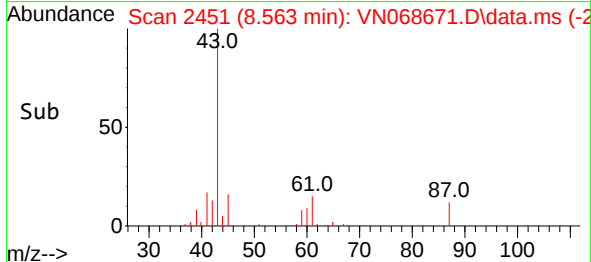
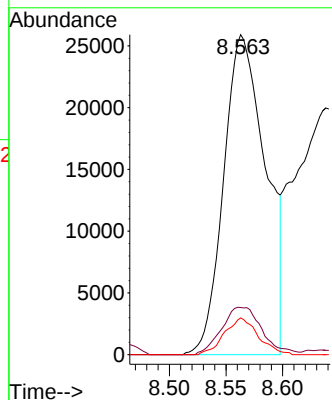
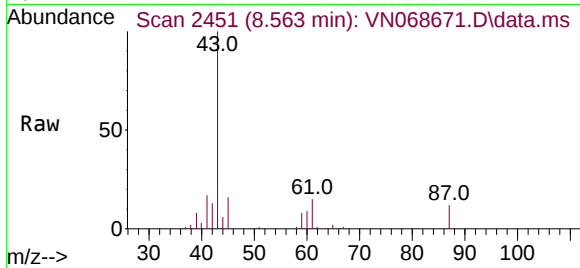




#43
Isopropyl Acetate
Concen: 3.816 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

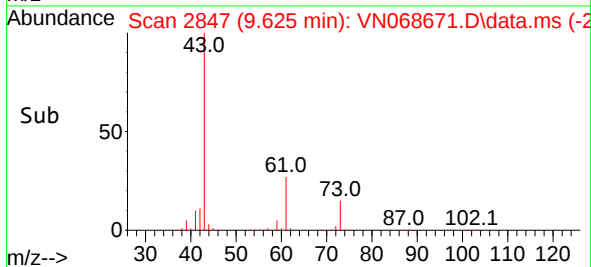
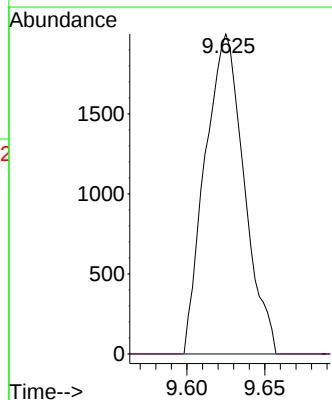
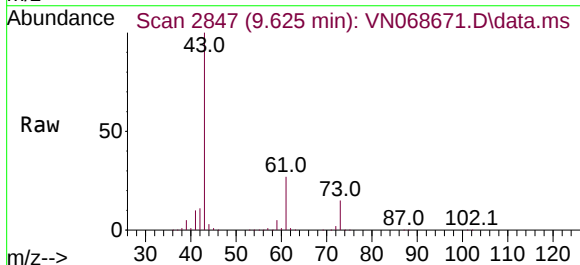
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

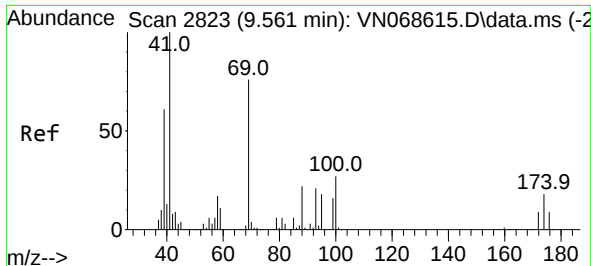
Tgt Ion: 43 Resp: 66799
Ion Ratio Lower Upper
43 100
61 14.3 19.0 28.4#
87 9.3 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.500 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 63 Resp: 3483
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

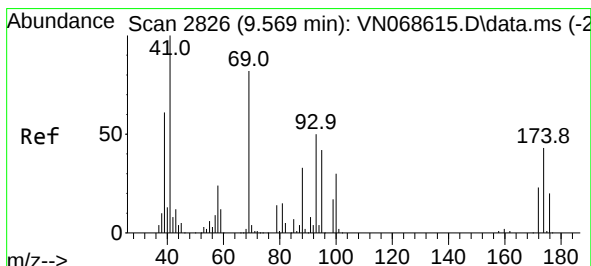
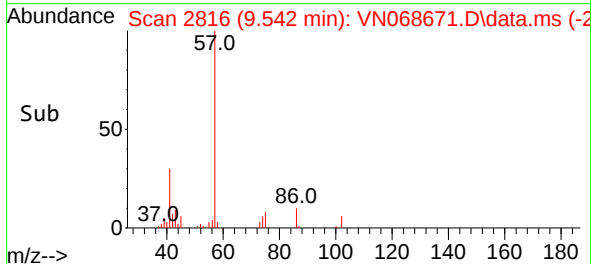
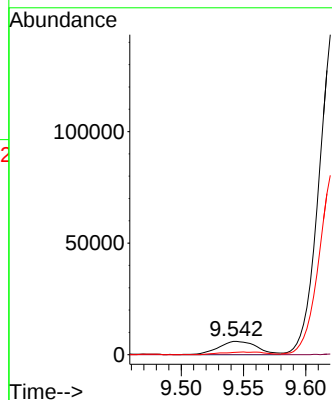
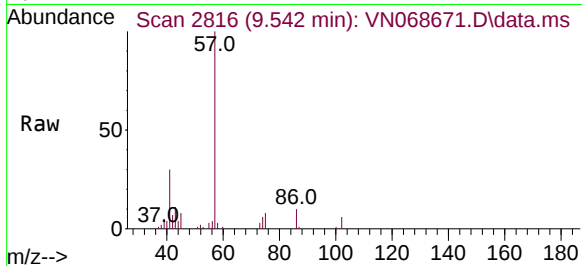




#48
Methyl methacrylate
Concen: 1.615 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

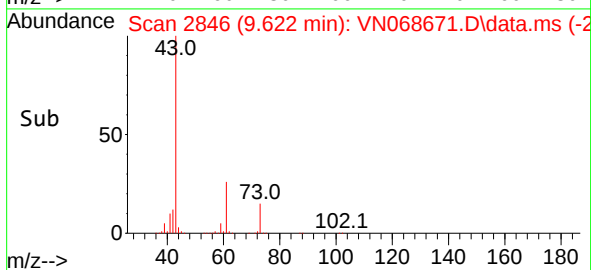
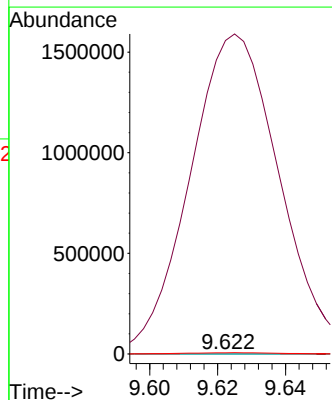
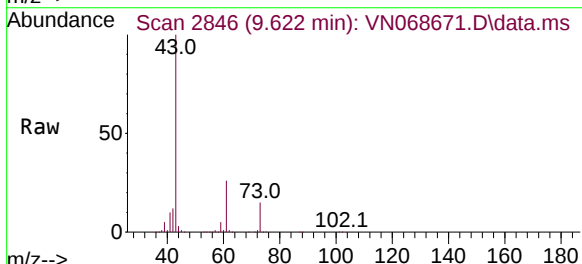
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

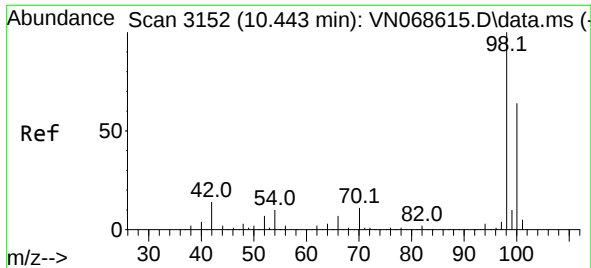
Tgt Ion: 41 Resp: 12913
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 2.487 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 1027318.3 28.8 43.2#
58 4220.0 60.4 90.6#

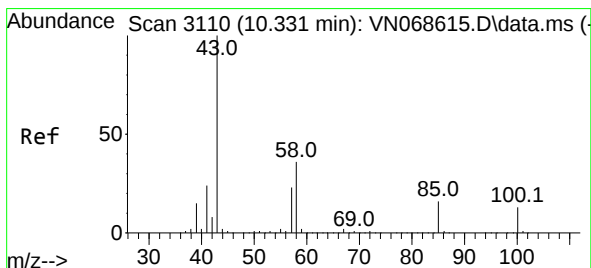
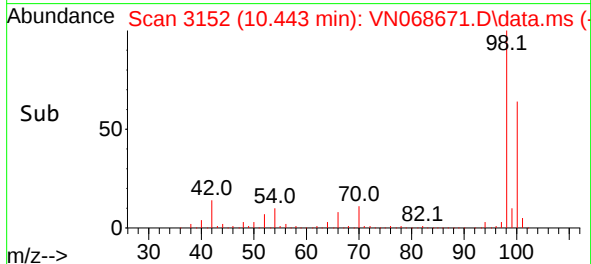
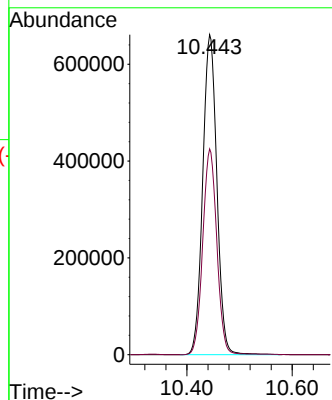
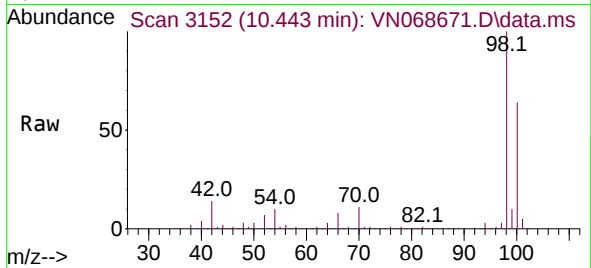




#50
Toluene-d8
Concen: 48.636 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

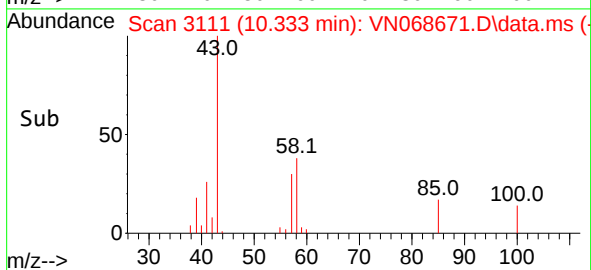
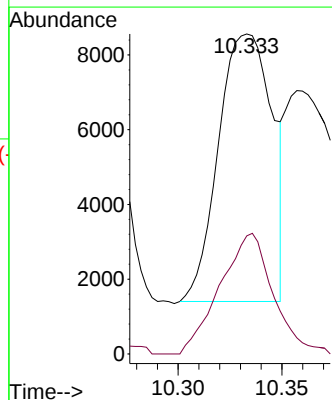
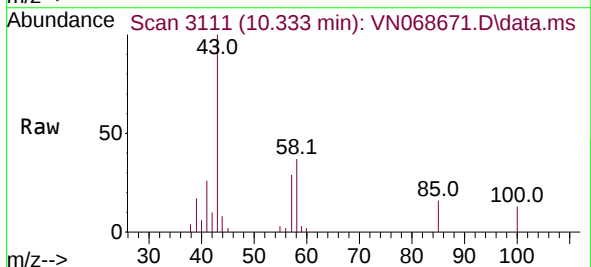
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

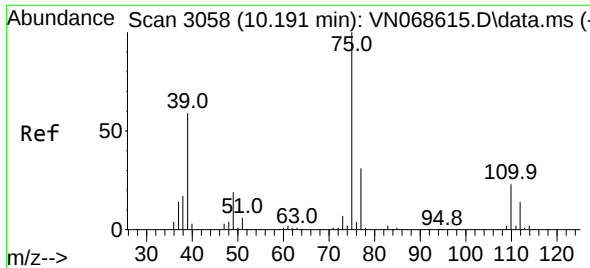
Tgt Ion: 98 Resp: 1230890
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 43 Resp: 12892
Ion Ratio Lower Upper
43 100
58 44.5 28.6 43.0#

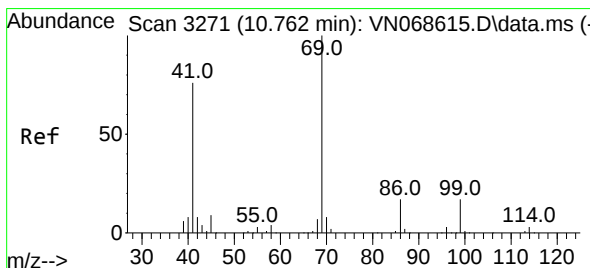
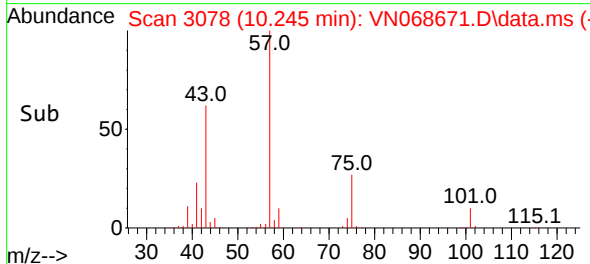
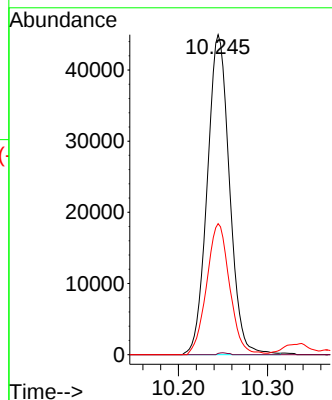
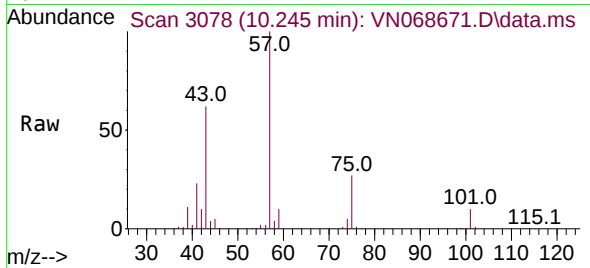




#54
cis-1,3-Dichloropropene
Concen: 7.090 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

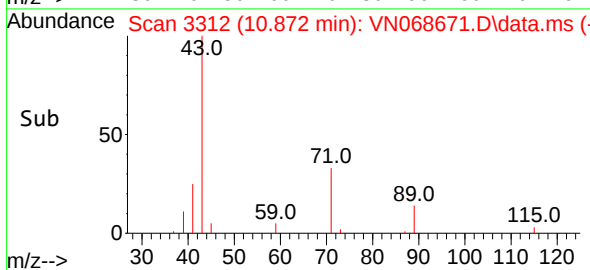
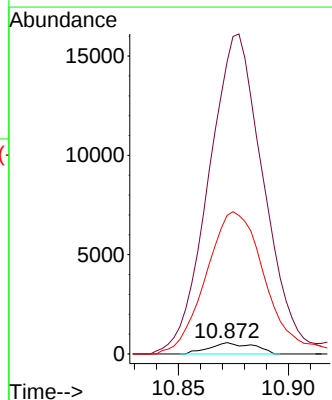
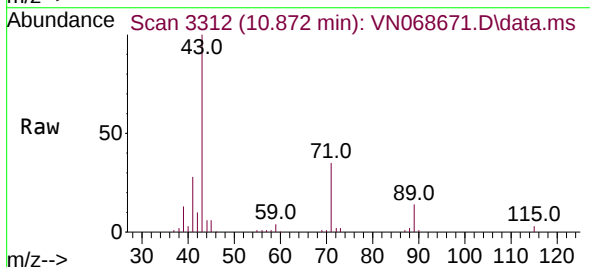
Instrument :
MSVOA_N
ClientSampleId :
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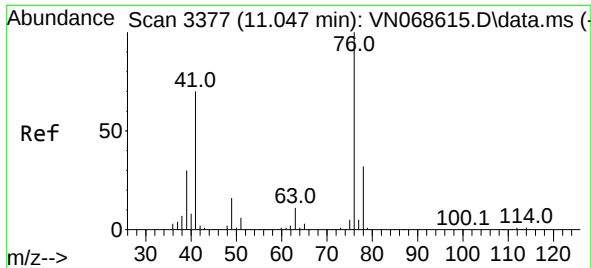
Tgt Ion: 75 Resp: 78014
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 40.9 50.7 76.1#



#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.872 min Scan# 3312
Delta R.T. 0.110 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 69 Resp: 793
Ion Ratio Lower Upper
69 100
41 3519.4 58.6 88.0#
39 1691.4 38.3 57.5#

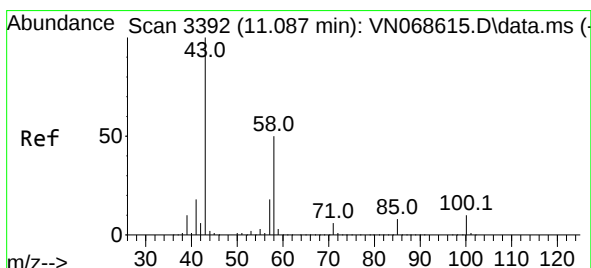
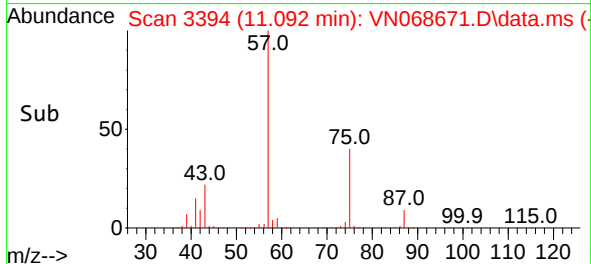
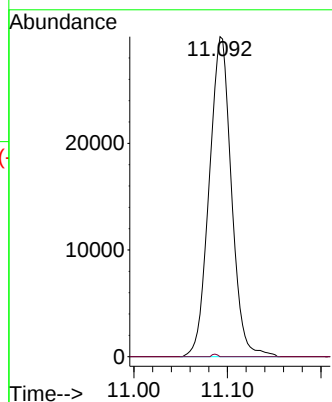
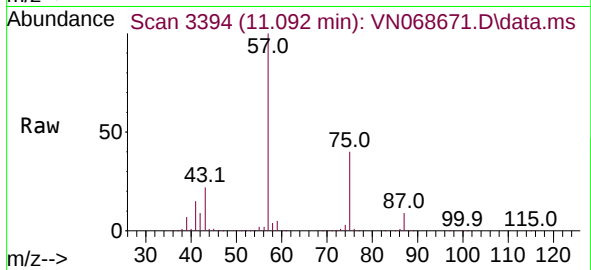




#57
1,3-Dichloropropane
Concen: 4.359 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

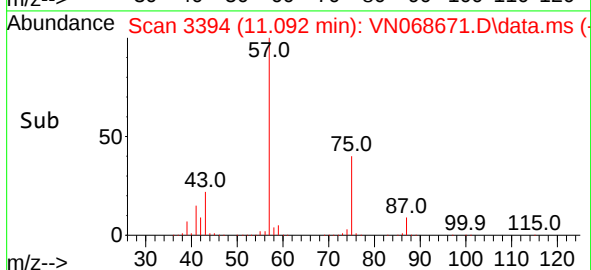
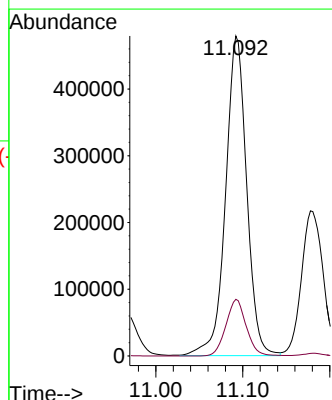
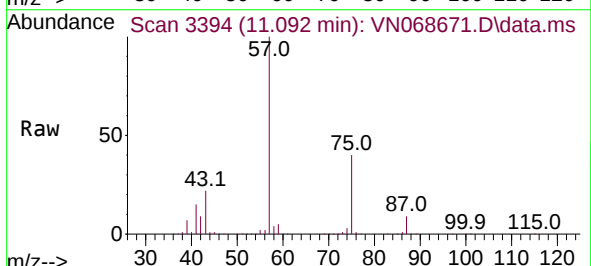
Instrument :
MSVOA_N
ClientSampleId :
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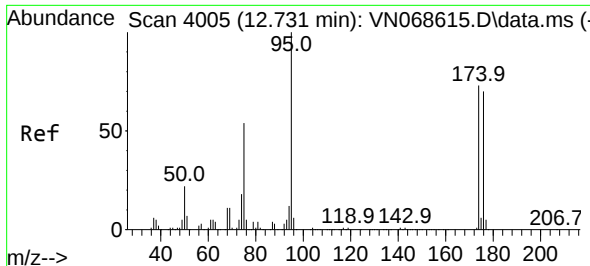
Tgt Ion: 76 Resp: 49444
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 106.167 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 43 Resp: 808142
Ion Ratio Lower Upper
43 100
58 17.1 24.7 74.1#

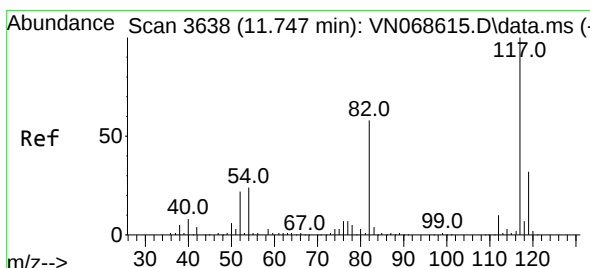
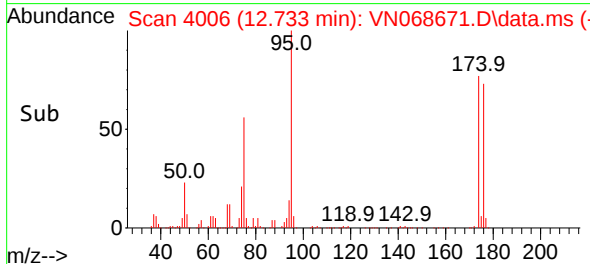
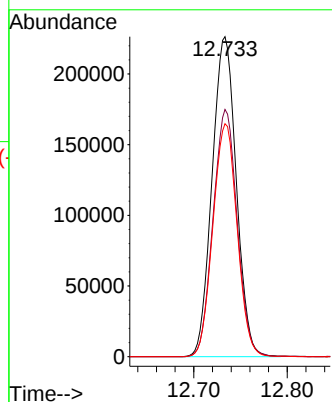
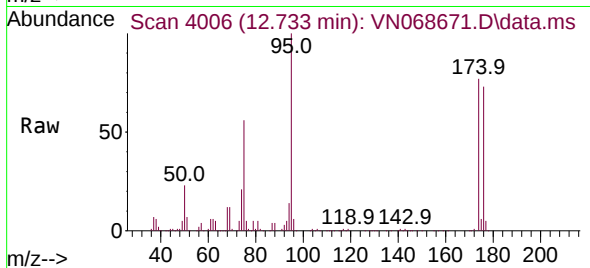




#62
4-Bromofluorobenzene
Concen: 47.005 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

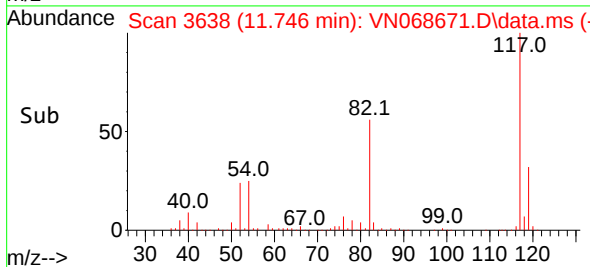
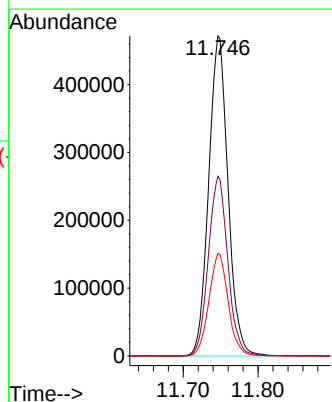
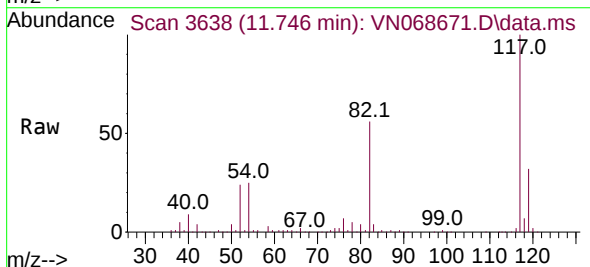
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

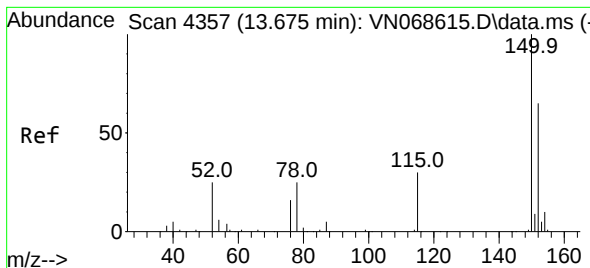
Tgt Ion: 95 Resp: 406844
Ion Ratio Lower Upper
95 100
174 77.0 0.0 122.0
176 72.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 117 Resp: 846201
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 32.0 25.5 38.3

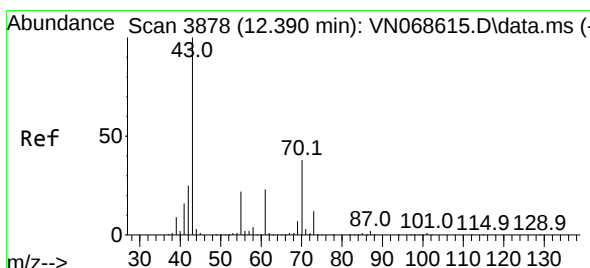
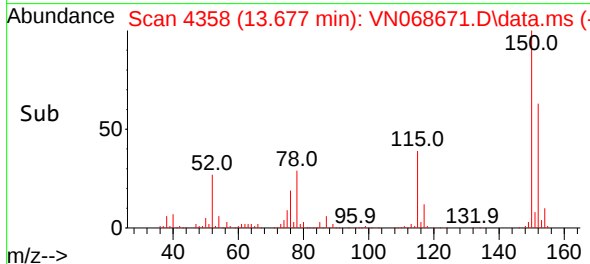
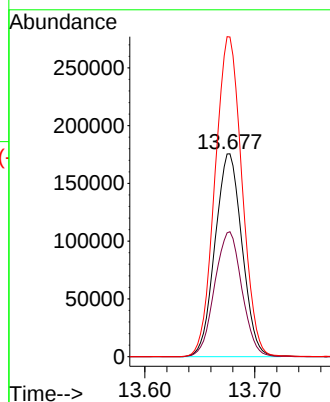
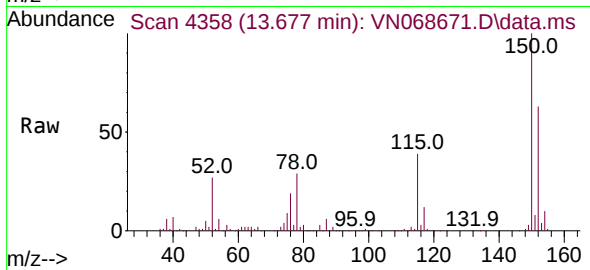




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

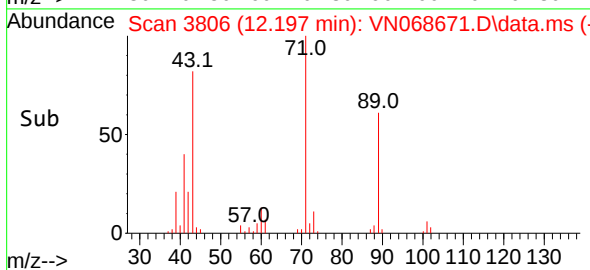
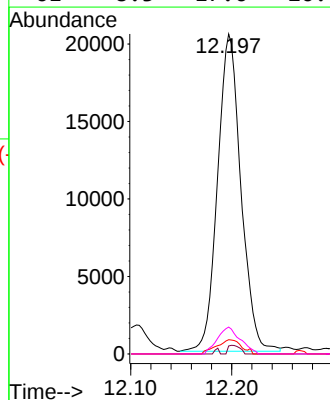
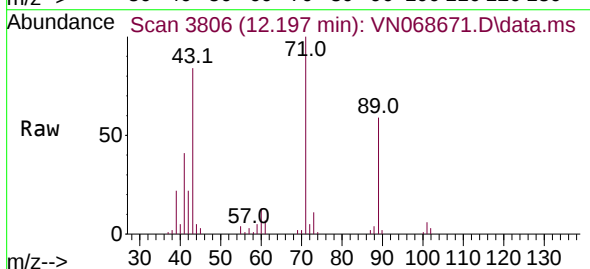
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

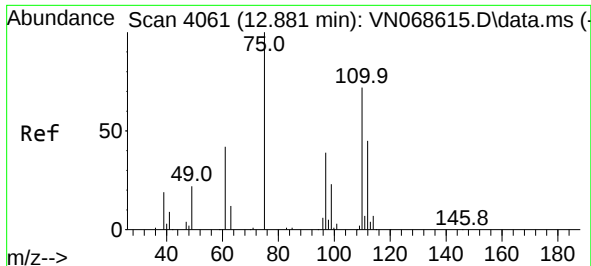
Tgt Ion:152 Resp: 299509
Ion Ratio Lower Upper
152 100
115 62.2 36.1 108.5
150 158.1 0.0 351.8



#74
N-ethyl acetate
Concen: 2.865 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Tgt Ion: 43 Resp: 32839
Ion Ratio Lower Upper
43 100
70 1.4 29.4 44.2#
55 4.7 17.0 25.4#
61 8.3 17.6 26.4#

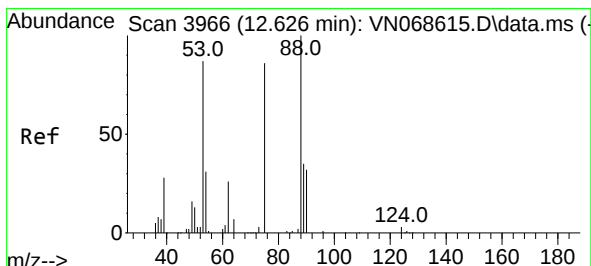
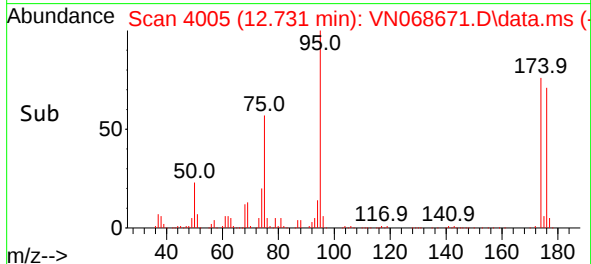
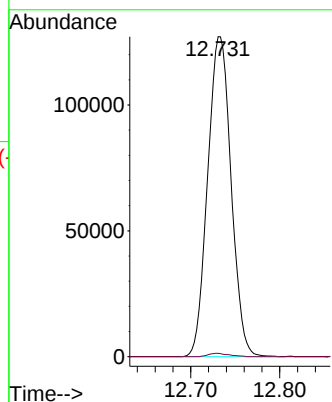
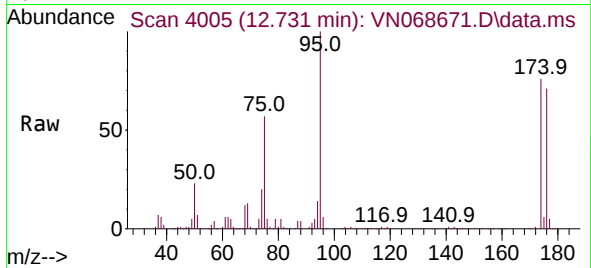




#76
1,2,3-Trichloropropane
Concen: 31.401 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

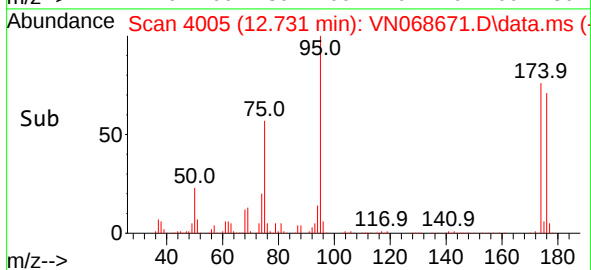
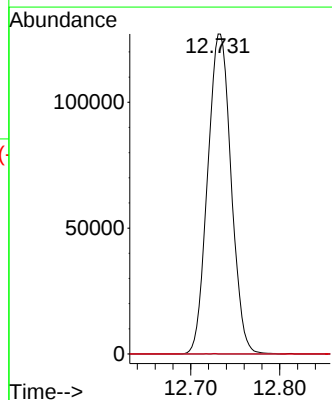
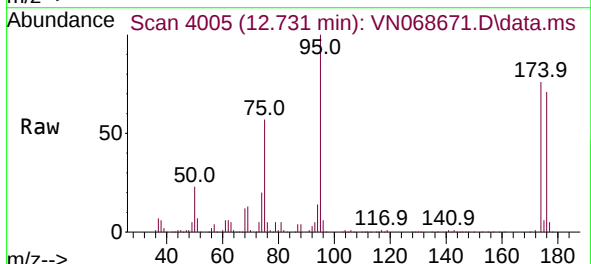
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02

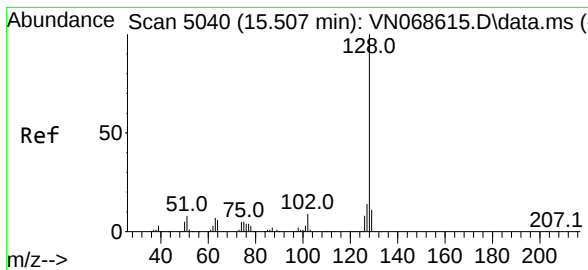
Tgt Ion: 75 Resp: 232543
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.700 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

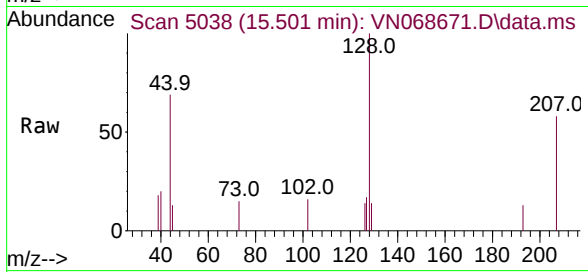
Tgt Ion: 75 Resp: 232543
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.749 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068671.D
Acq: 25 Sep 2021 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#02



Tgt Ion:	128	Resp:	2269
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.6	15.8#
129	2.5	8.6	12.8#

