

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068673.D
 Acq On : 25 Sep 2021 17:35
 Operator : JC/MD
 Sample : PB139363ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139363ZHE#01

Quant Time: Sep 27 04:46:07 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)

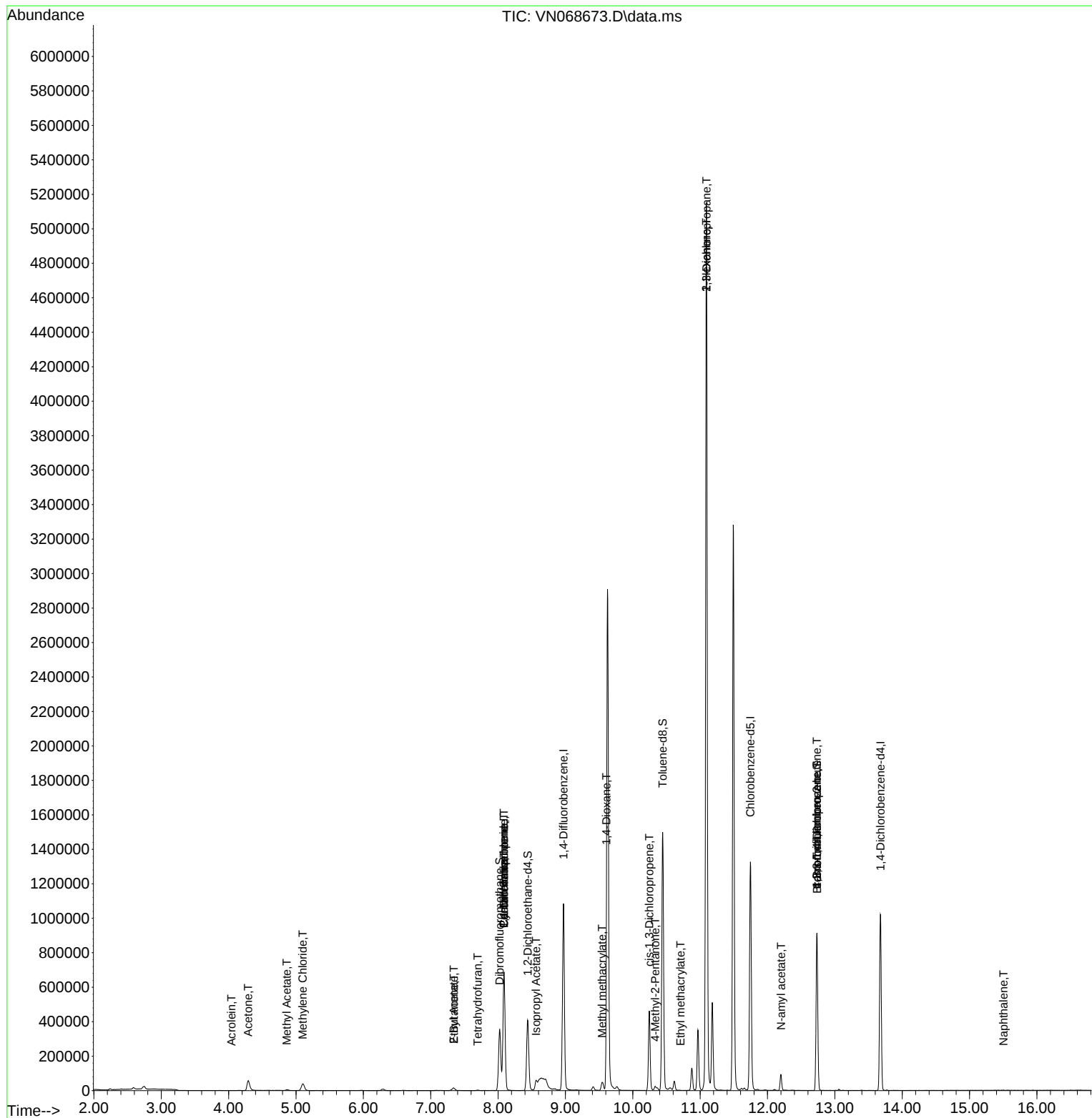
Internal Standards						
1) Pentafluorobenzene	8.088	168	508637	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	877307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	764249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	272234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	336552	42.215	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.420%		
35) Dibromofluoromethane	8.024	113	253018	42.958	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	85.920%		
50) Toluene-d8	10.443	98	1033422	41.534	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	83.060%		
62) 4-Bromofluorobenzene	12.734	95	305452	35.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	71.800%		
Target Compounds						
5) Bromomethane	2.875	94	674	Below Cal		96
6) Chloroethane	3.038	64	309	Below Cal	#	44
13) Acrolein	4.041	56	77	7.020	ug/l #	14
16) Acetone	4.291	43	107292	27.022	ug/l	94
18) Methyl Acetate	4.865	43	11174	0.957	ug/l	95
20) Methylene Chloride	5.101	84	30427	3.196	ug/l	98
25) 2-Butanone	7.343	43	25150	5.195	ug/l	100
29) Tetrahydrofuran	7.697	42	1233	0.401	ug/l #	90
31) Cyclohexane	8.088	56	12385	1.112	ug/l #	27
36) 1,1-Dichloropropene	8.088	75	40911	4.617	ug/l #	51
37) Ethyl Acetate	7.343	43	25150	2.500	ug/l #	69
38) Carbon Tetrachloride	8.088	117	52037	5.686	ug/l #	18
43) Isopropyl Acetate	8.563	43	66532	3.866	ug/l #	86
48) Methyl methacrylate	9.545	41	13472	1.714	ug/l #	12
49) 1,4-Dioxane	9.609	88	62	0.541	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	15377	1.478	ug/l	95
54) cis-1,3-Dichloropropene	10.245	75	76102	7.035	ug/l #	63
56) Ethyl methacrylate	10.709	69	254	0.727	ug/l #	19
57) 1,3-Dichloropropane	11.095	76	49964	4.480	ug/l #	43
59) 2-Hexanone	11.092	43	842094	112.525	ug/l #	52
71) Bromoform	12.736	173	1641	0.369	ug/l #	1
74) N-amyl acetate	12.200	43	30677	2.944	ug/l #	56
76) 1,2,3-Trichloropropane	12.734	75	168559	25.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	168559	70.736	ug/l #	6
95) Naphthalene	15.504	128	1096	1.678	ug/l #	75

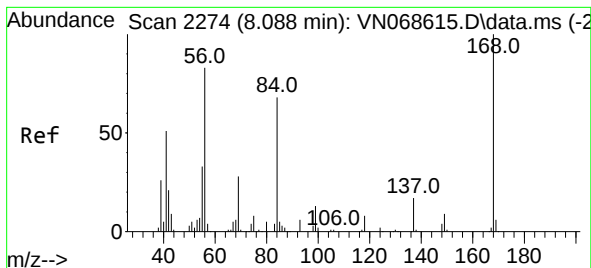
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN068673.D

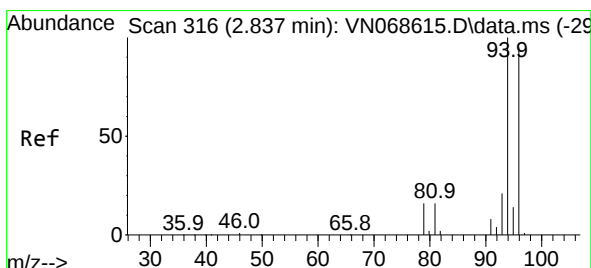
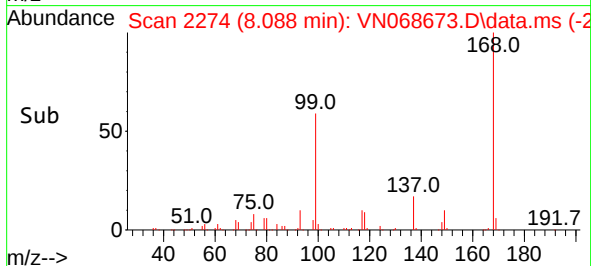
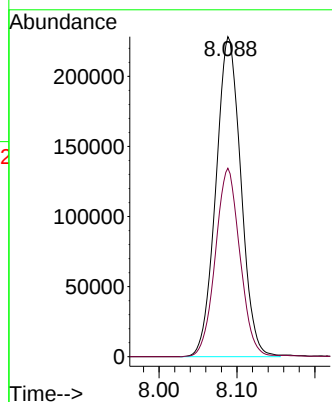
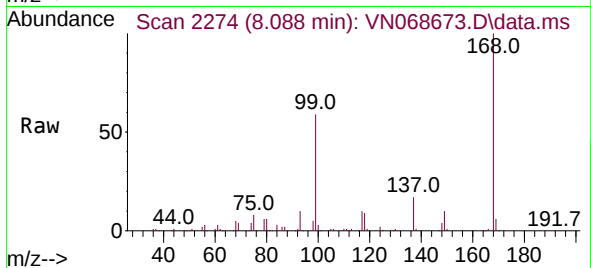
Acq: 25 Sep 2021 17:35

Tgt Ion:168 Resp: 508637

Ion Ratio Lower Upper

168 100

99 58.9 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.875 min Scan# 330

Delta R.T. 0.038 min

Lab File: VN068673.D

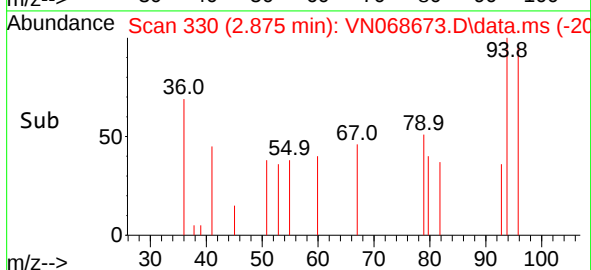
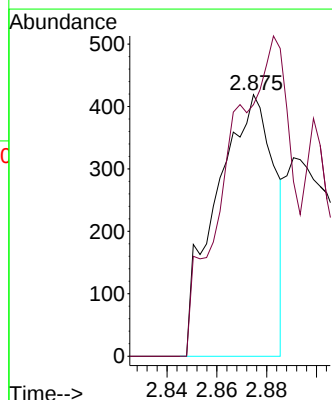
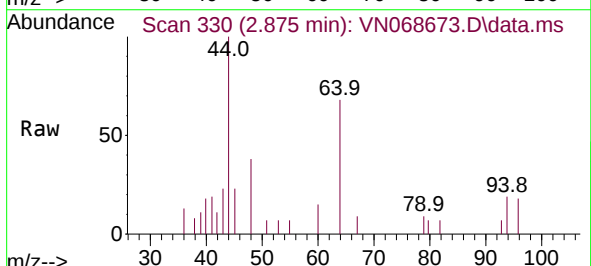
Acq: 25 Sep 2021 17:35

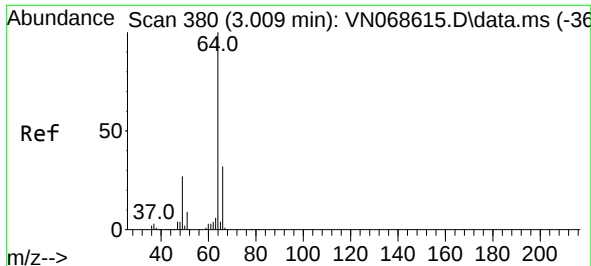
Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

94 100

96 96.2 73.7 110.5

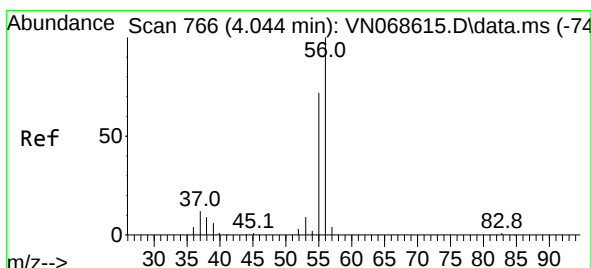
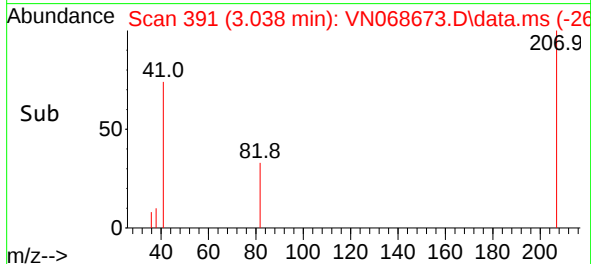
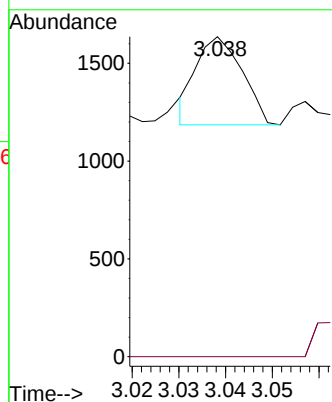
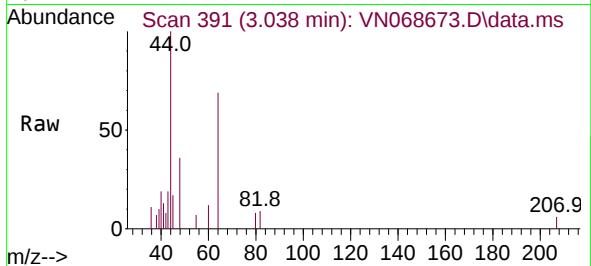




#6
Chloroethane
Concen: Below Cal
RT: 3.038 min Scan# 391
Delta R.T. 0.029 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

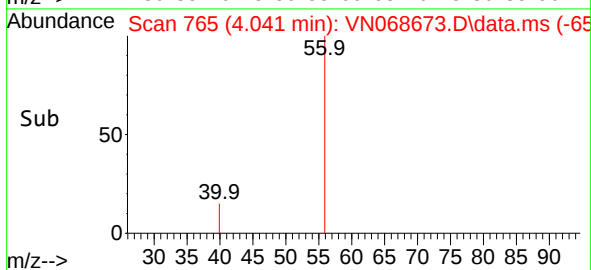
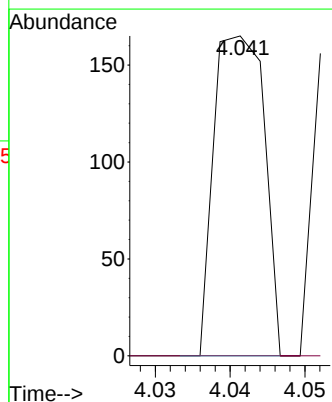
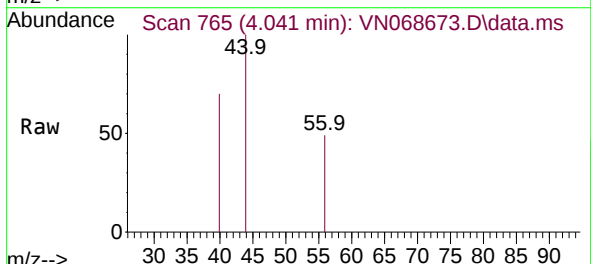
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

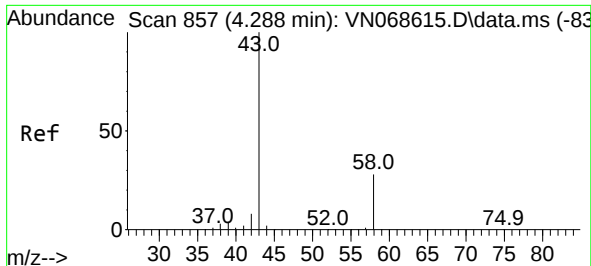
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: 7.020 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

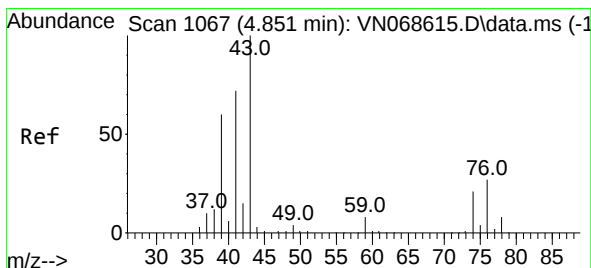
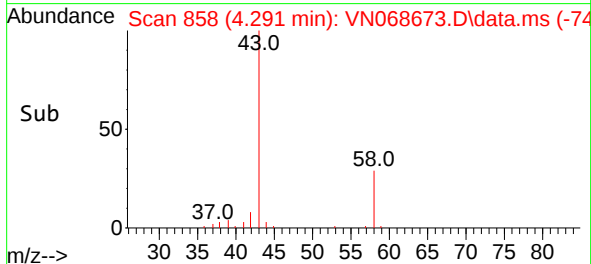
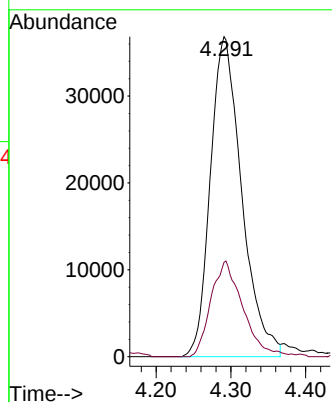
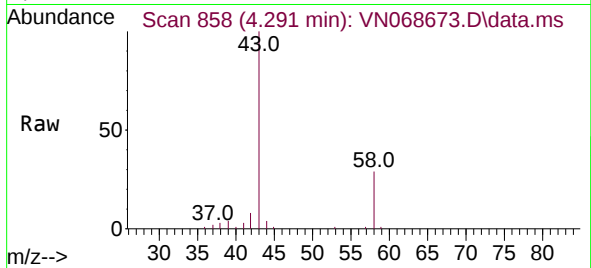




#16
Acetone
Concen: 27.022 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

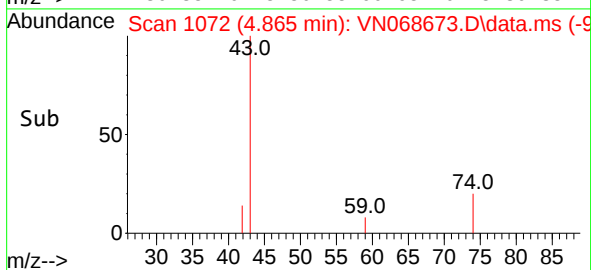
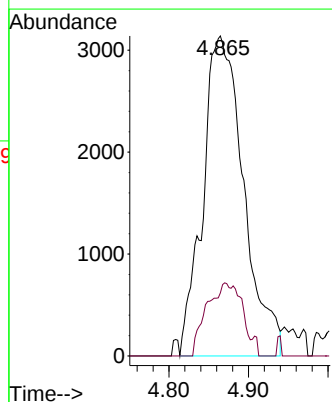
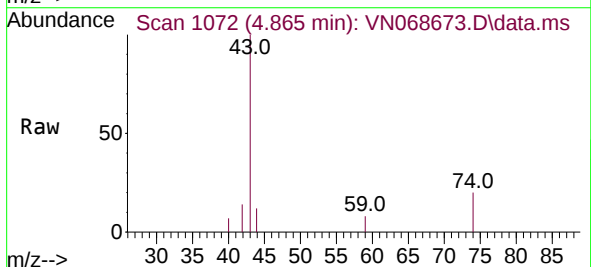
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

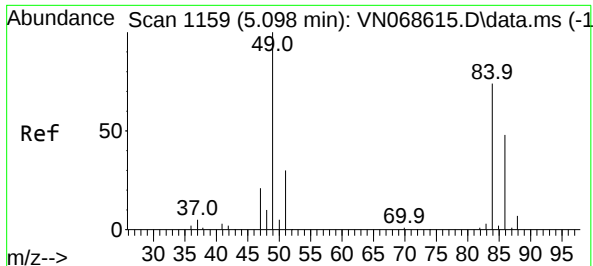
Tgt Ion: 43 Resp: 107292
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.957 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 43 Resp: 11174
Ion Ratio Lower Upper
43 100
74 19.5 17.4 26.0



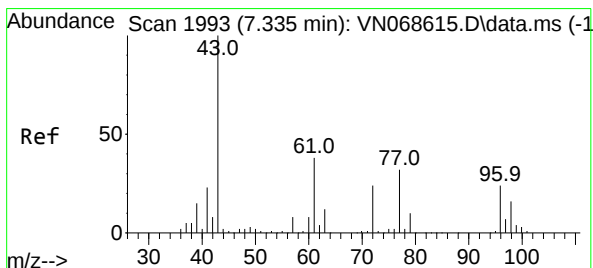
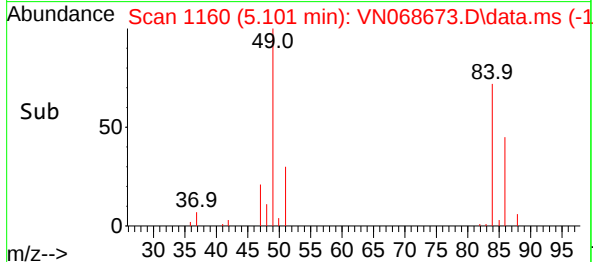
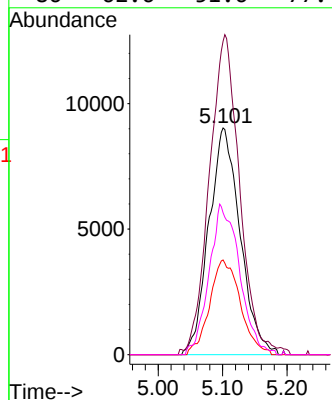
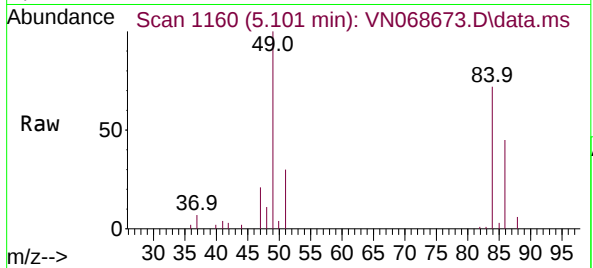


#20
Methylene Chloride
Concen: 3.196 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

Tgt Ion: 84 Resp: 30427

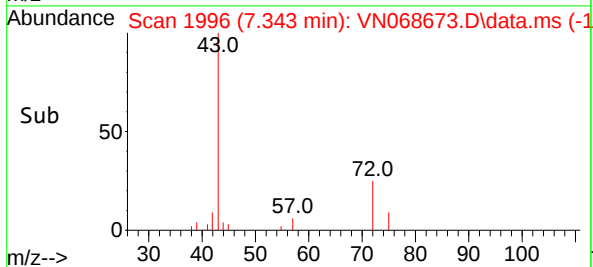
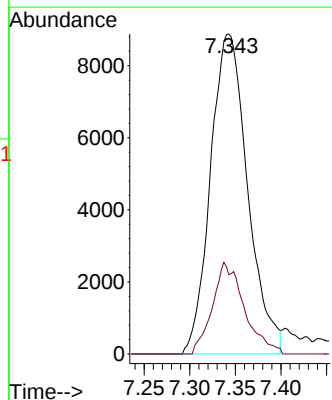
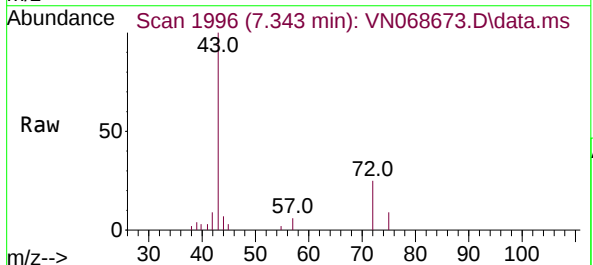
Ion	Ratio	Lower	Upper
84	100		
49	136.0	110.9	166.3
51	41.8	32.6	49.0
86	62.6	51.6	77.4

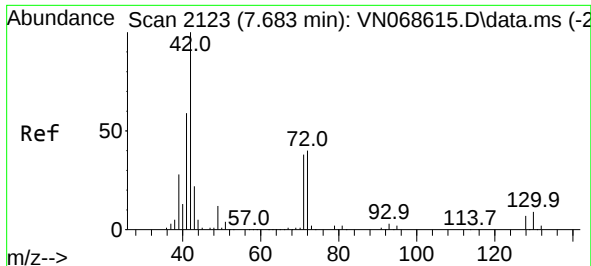


#25
2-Butanone
Concen: 5.195 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 43 Resp: 25150

Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.401 ug/l

RT: 7.697 min Scan# 2128

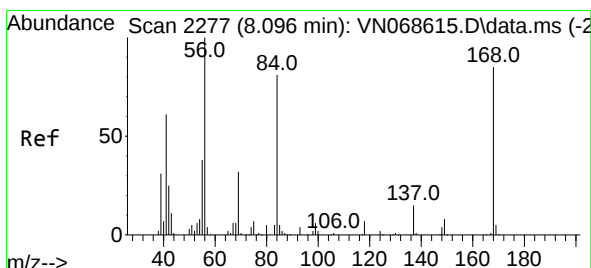
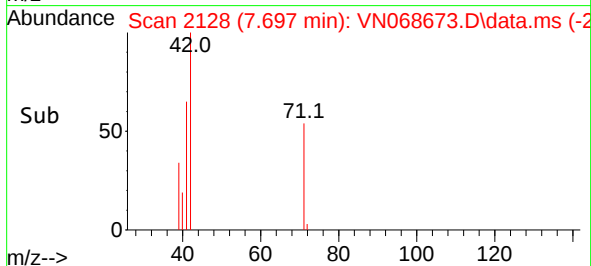
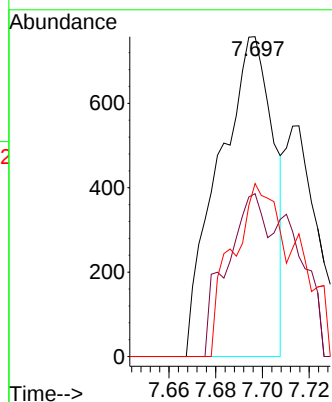
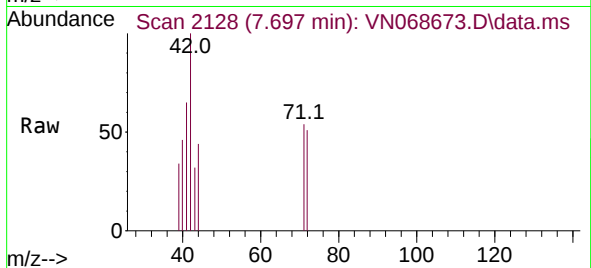
Delta R.T. 0.014 min

Lab File: VN068673.D

Acq: 25 Sep 2021 17:35

Tgt Ion:	42	Resp:	1233
Ion	Ratio	Lower	Upper
42	100		
72	36.7	32.8	49.2
71	47.0	31.2	46.8

Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01



#31

Cyclohexane

Concen: 1.112 ug/l

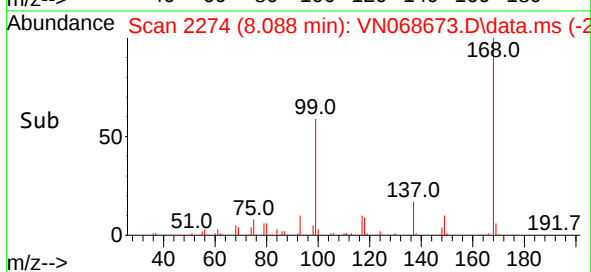
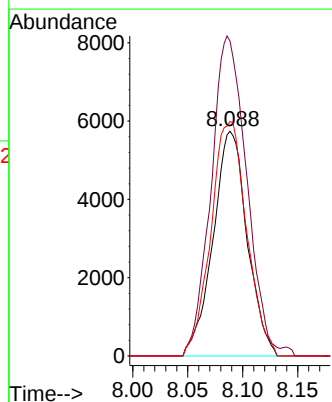
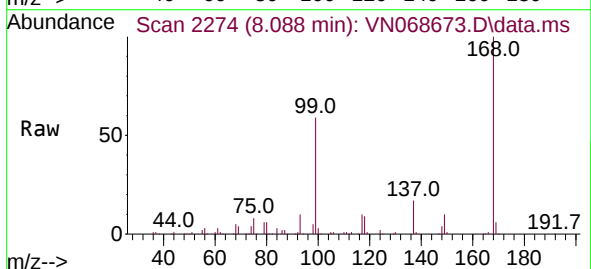
RT: 8.088 min Scan# 2274

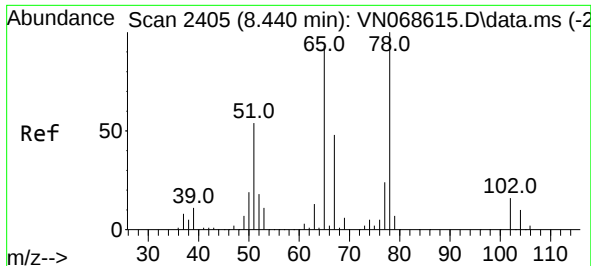
Delta R.T. -0.008 min

Lab File: VN068673.D

Acq: 25 Sep 2021 17:35

Tgt Ion:	56	Resp:	12385
Ion	Ratio	Lower	Upper
56	100		
69	140.2	27.3	40.9
84	104.3	64.9	97.3

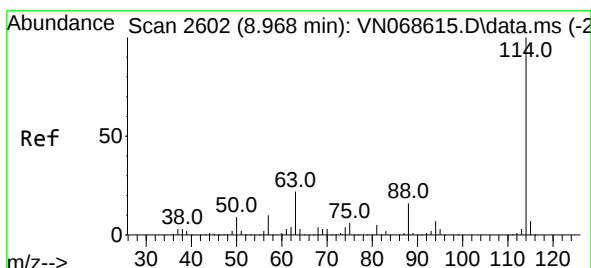
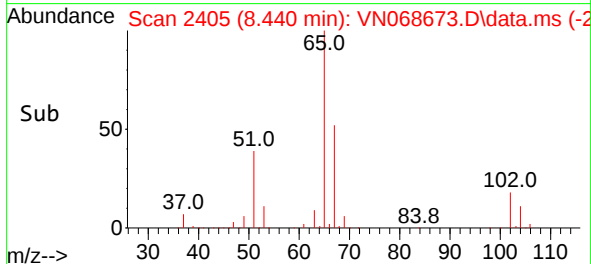
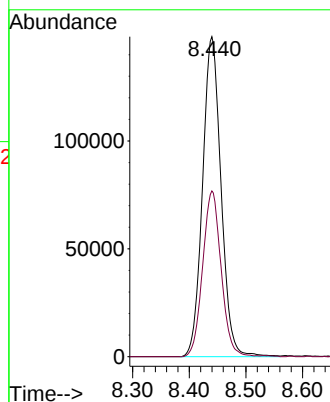
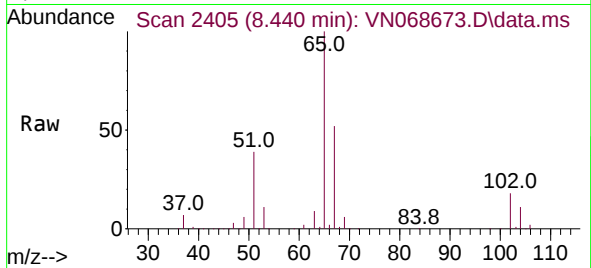




#33
1,2-Dichloroethane-d4
Concen: 42.215 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

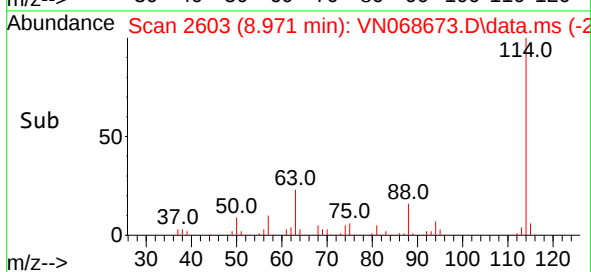
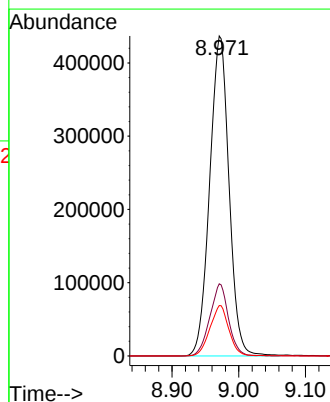
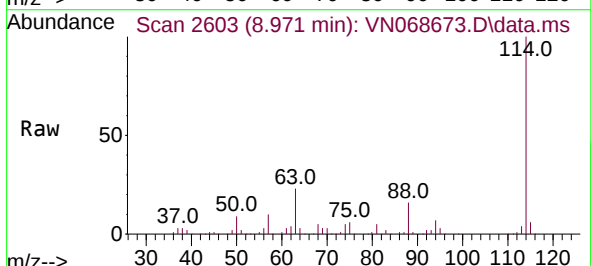
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

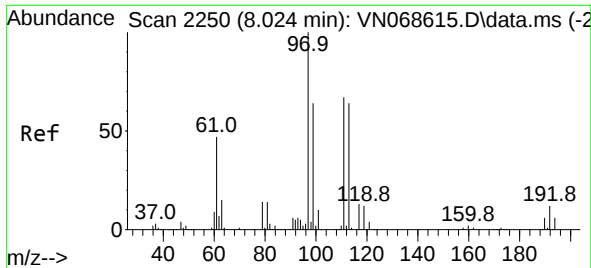
Tgt Ion: 65 Resp: 336552
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 114 Resp: 877307
Ion Ratio Lower Upper
114 100
63 22.5 0.0 49.0
88 15.7 0.0 36.6

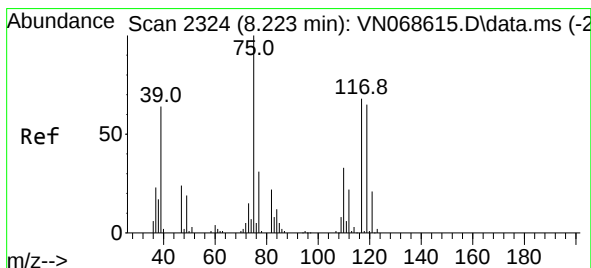
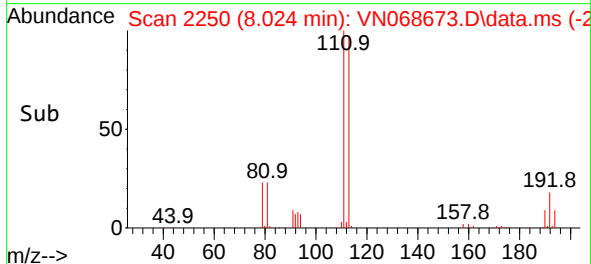
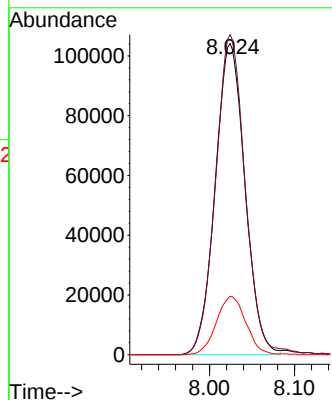
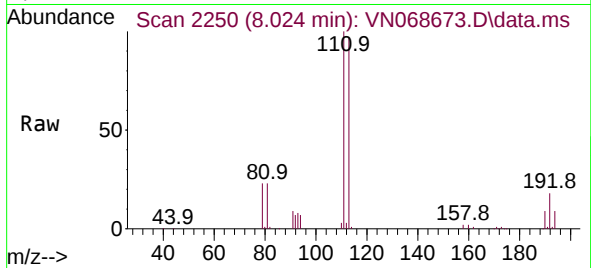




#35
Dibromofluoromethane
Concen: 42.958 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

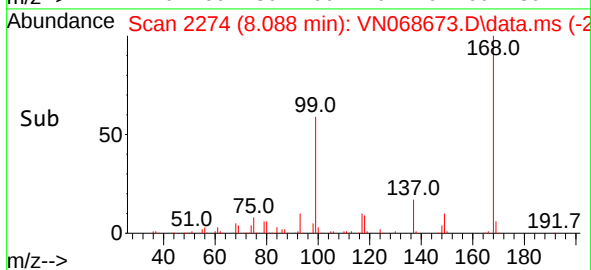
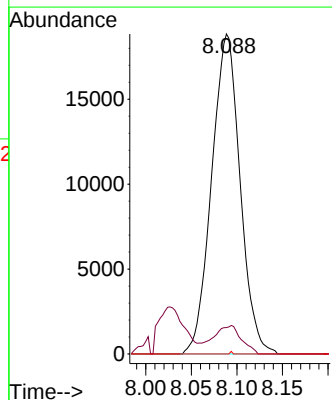
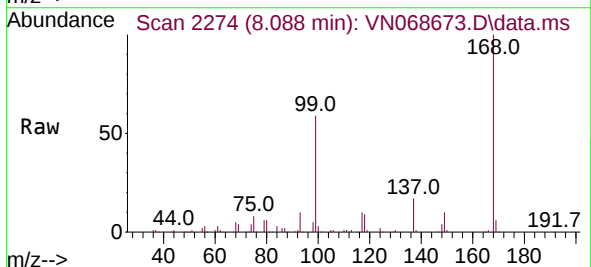
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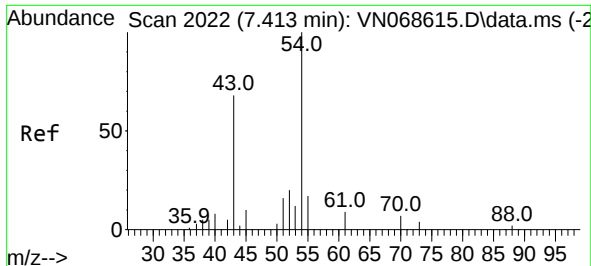
Tgt Ion:113 Resp: 253018
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 18.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 75 Resp: 40911
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.1 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.500 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.070 min

Lab File: VN068673.D

Acq: 25 Sep 2021 17:35

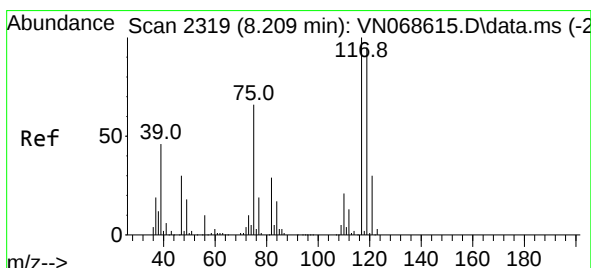
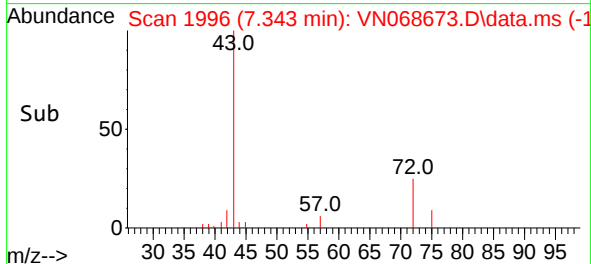
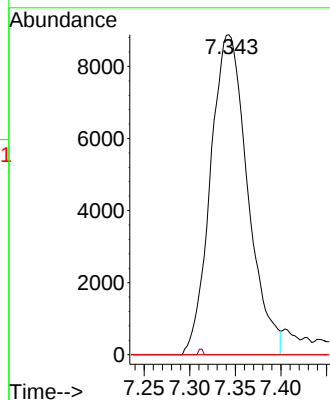
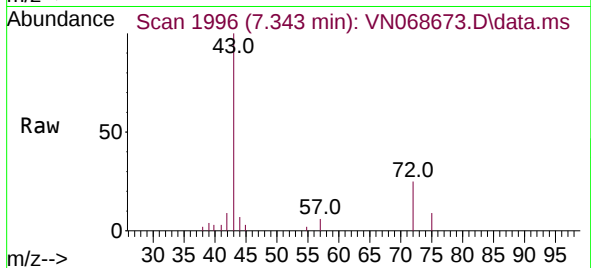
Instrument :

MSVOA_N

ClientSampleId :

PB139363ZHE#01

Tgt Ion:	43	Resp:	25150
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.686 ug/l

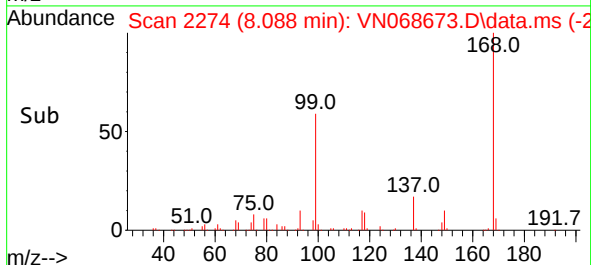
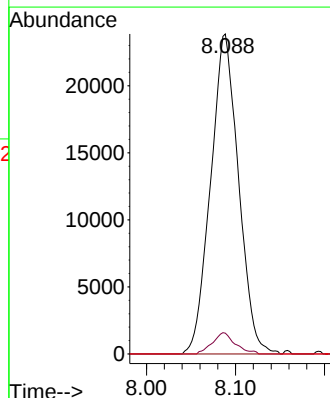
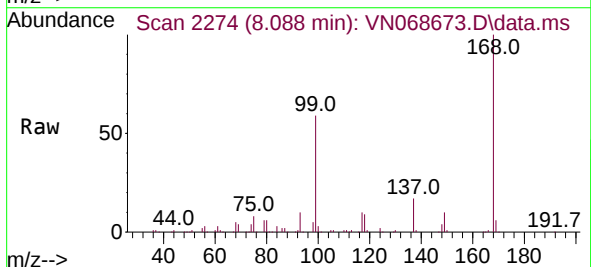
RT: 8.088 min Scan# 2274

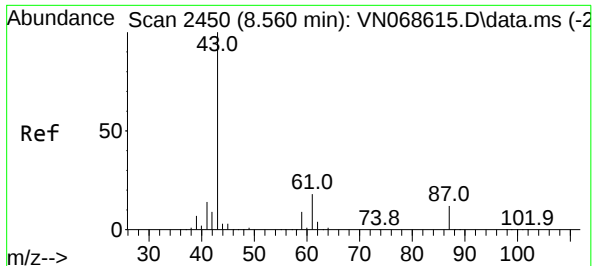
Delta R.T. -0.121 min

Lab File: VN068673.D

Acq: 25 Sep 2021 17:35

Tgt Ion:	117	Resp:	52037
Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.4	113.2#
121	0.0	23.5	35.3#



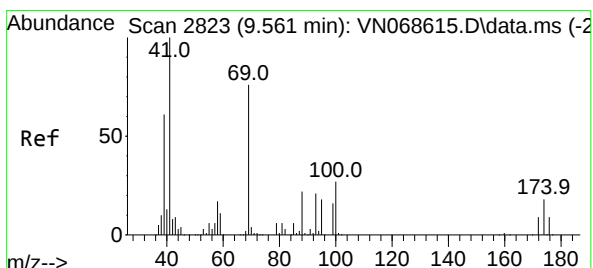
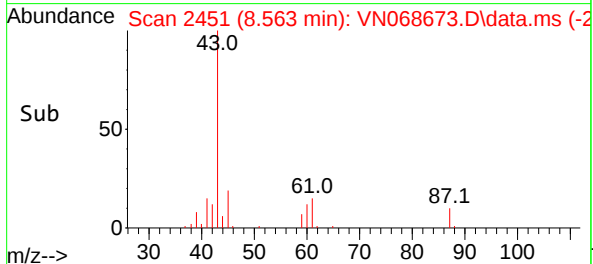
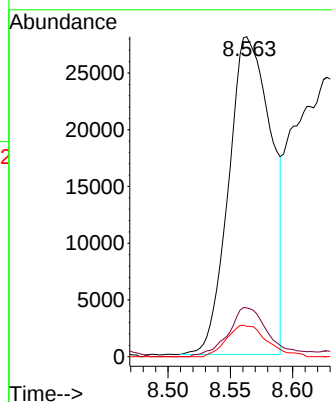
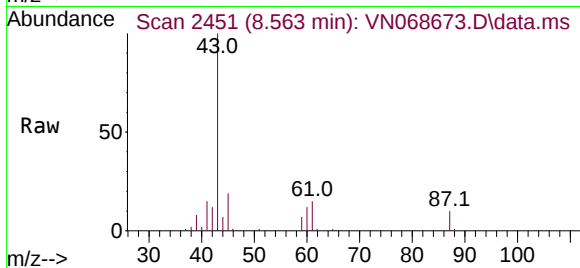


#43

Isopropyl Acetate
 Concen: 3.866 ug/l
 RT: 8.563 min Scan# 2451
 Delta R.T. 0.003 min
 Lab File: VN068673.D
 Acq: 25 Sep 2021 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139363ZHE#01

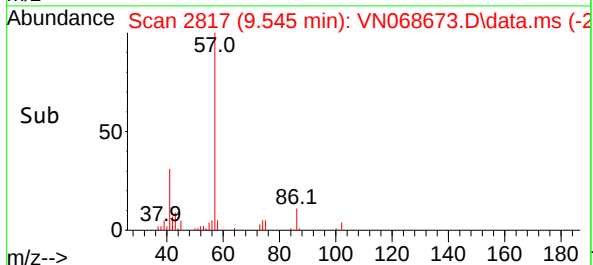
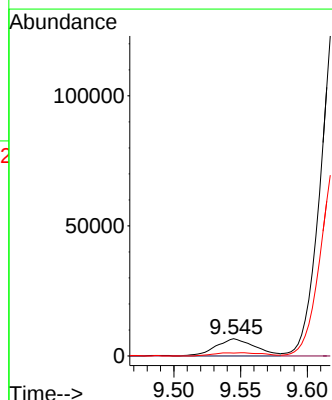
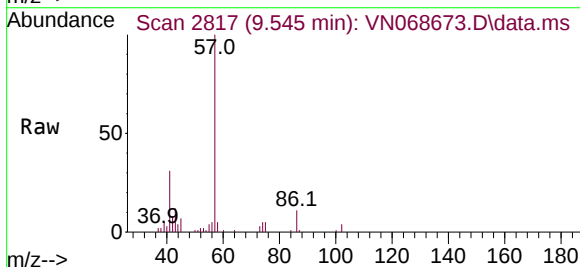
Tgt Ion: 43 Resp: 66532
 Ion Ratio Lower Upper
 43 100
 61 14.9 19.0 28.4#
 87 9.4 9.5 14.3#

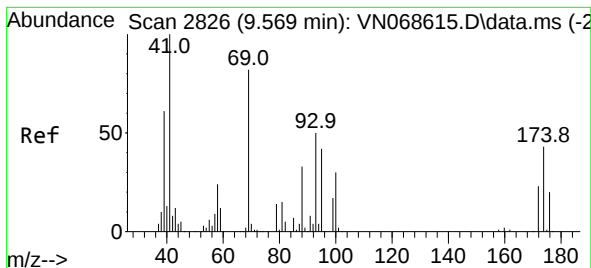


#48

Methyl methacrylate
 Concen: 1.714 ug/l
 RT: 9.545 min Scan# 2817
 Delta R.T. -0.016 min
 Lab File: VN068673.D
 Acq: 25 Sep 2021 17:35

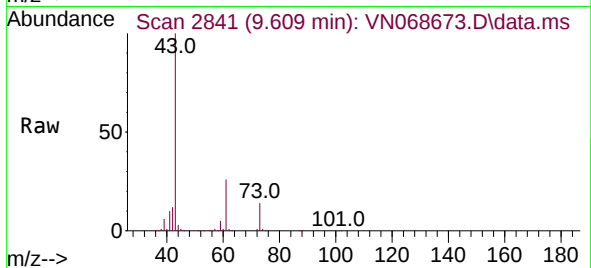
Tgt Ion: 41 Resp: 13472
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.6 96.8#
 39 0.0 53.3 79.9#



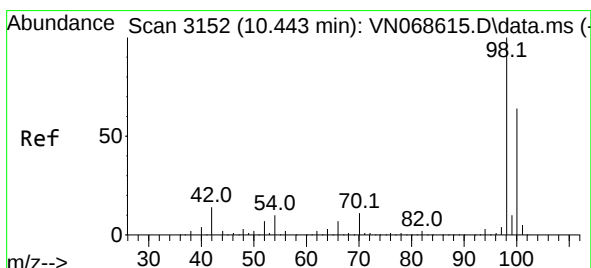
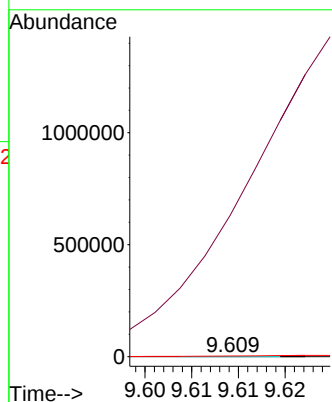
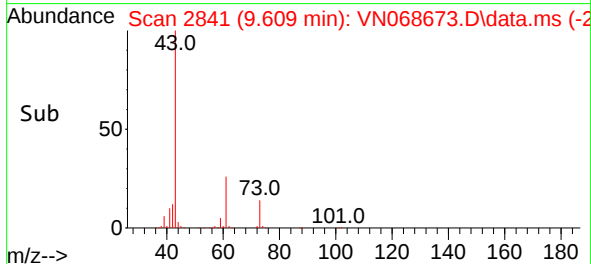


#49
1,4-Dioxane
Concen: 0.541 ug/l
RT: 9.609 min Scan# 2841
Delta R.T. 0.040 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

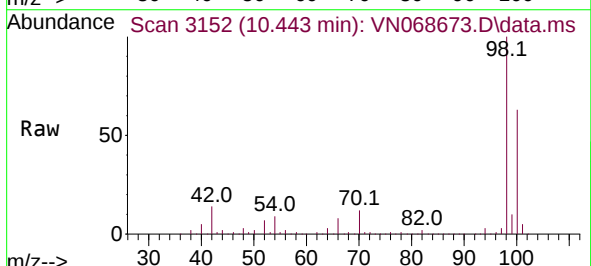
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01



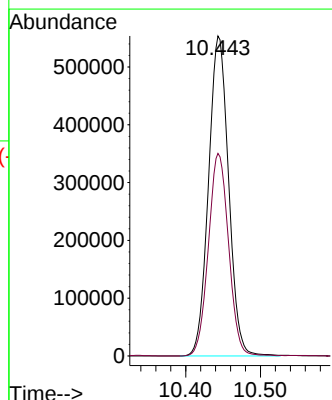
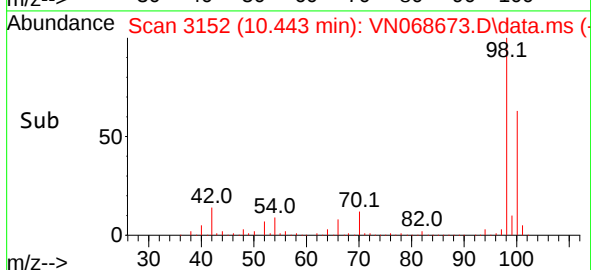
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

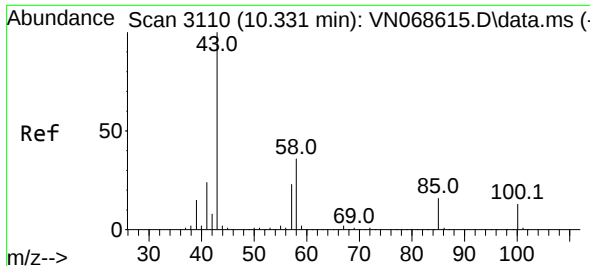


#50
Toluene-d8
Concen: 41.534 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35



Tgt Ion: 98 Resp: 1033422
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

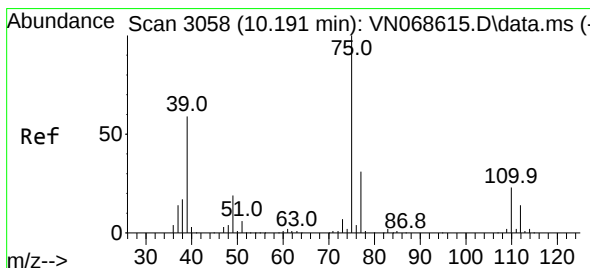
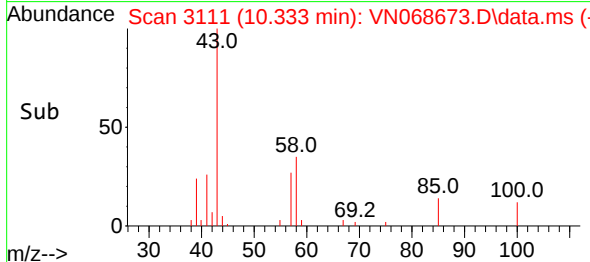
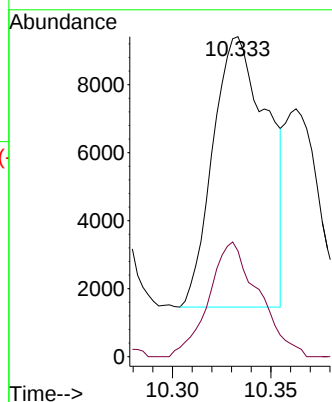
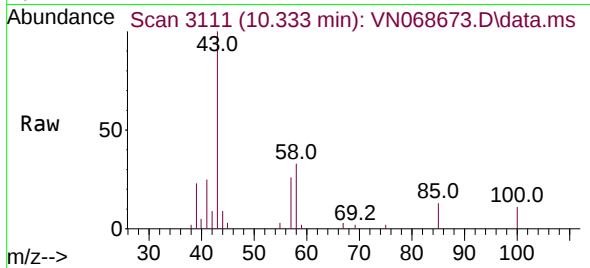




#51
4-Methyl-2-Pentanone
Concen: 1.478 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

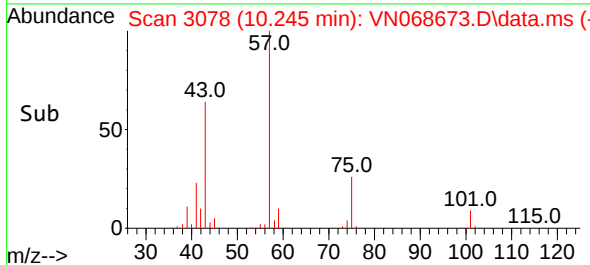
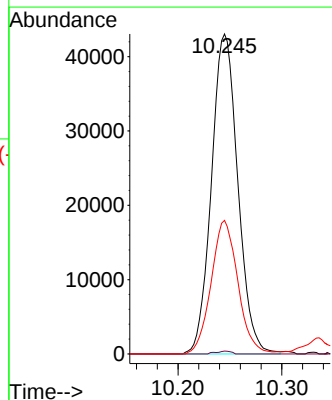
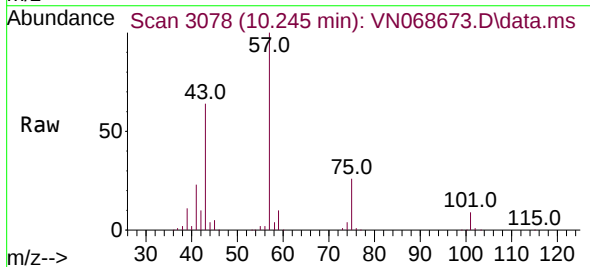
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

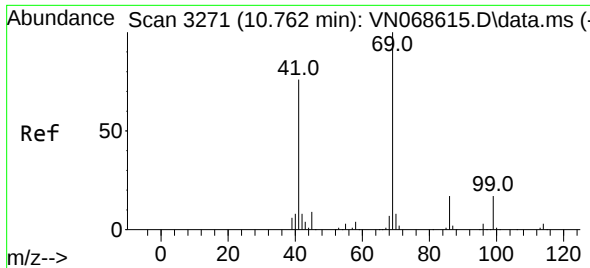
Tgt Ion: 43 Resp: 15377
Ion Ratio Lower Upper
43 100
58 38.5 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 7.035 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 75 Resp: 76102
Ion Ratio Lower Upper
75 100
77 0.9 24.6 37.0#
39 41.8 50.7 76.1#

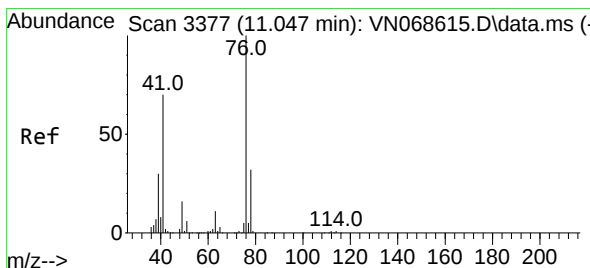
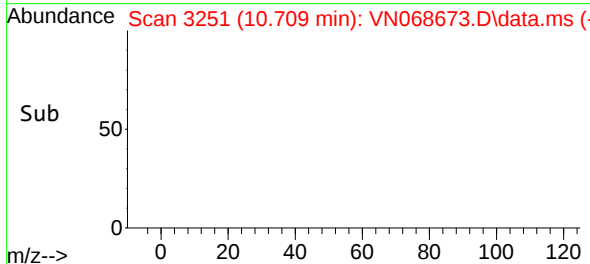
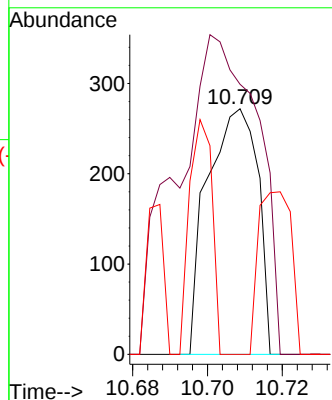
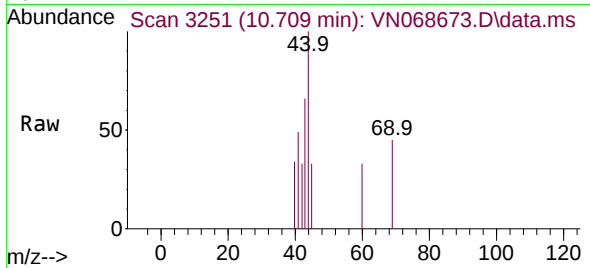




#56
Ethyl methacrylate
Concen: 0.727 ug/l
RT: 10.709 min Scan# 3251
Delta R.T. -0.053 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

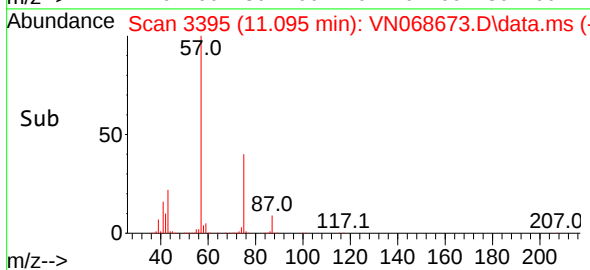
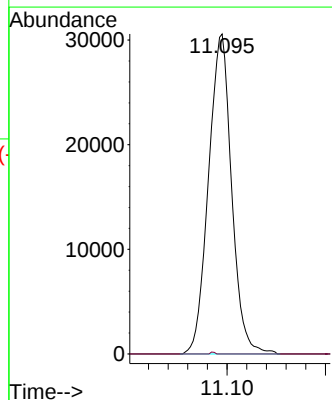
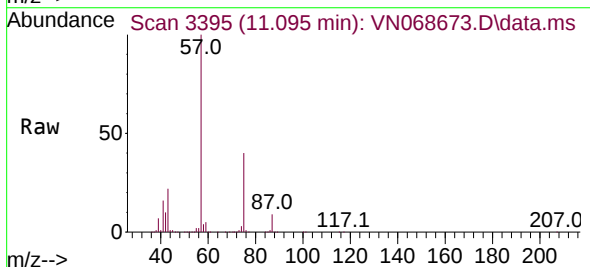
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

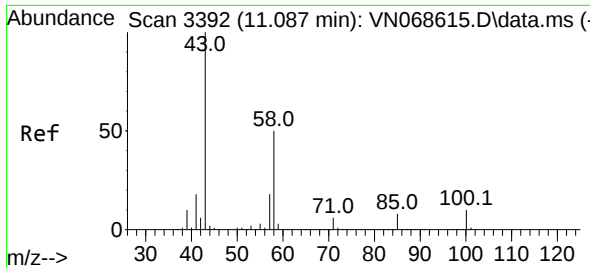
Tgt Ion: 69 Resp: 254
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 0.0 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 4.480 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 76 Resp: 49964
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

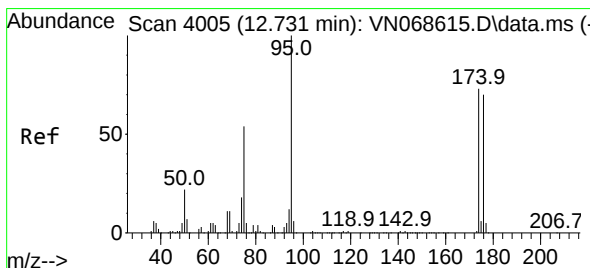
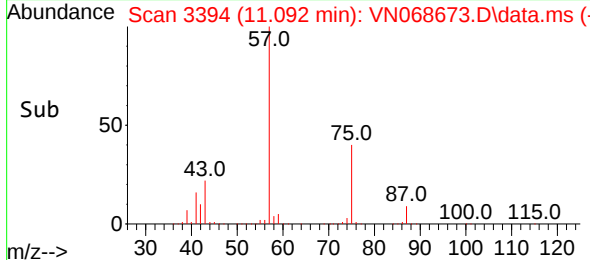
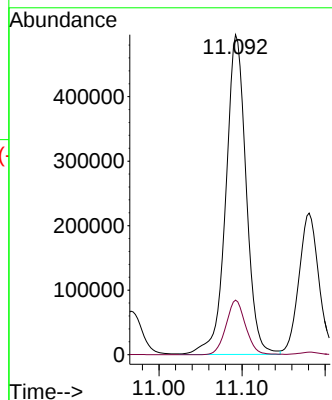
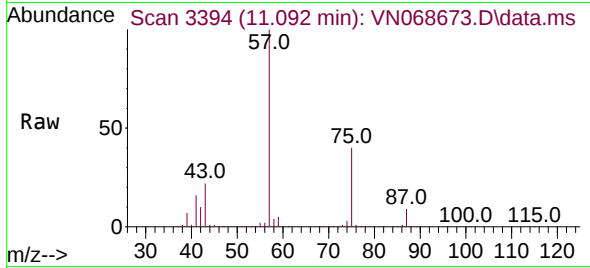




#59
2-Hexanone
Concen: 112.525 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

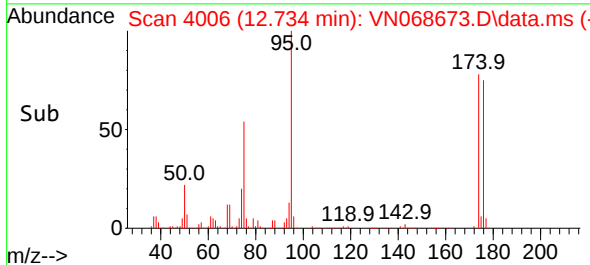
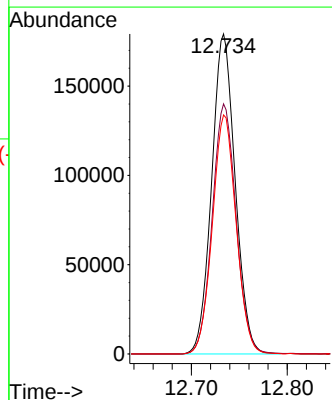
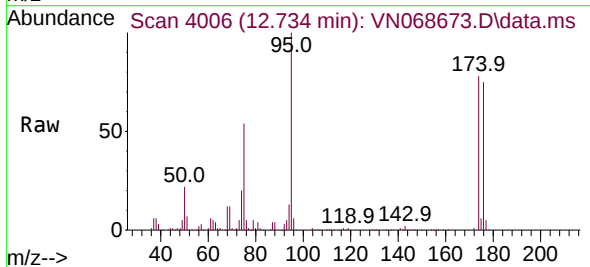
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

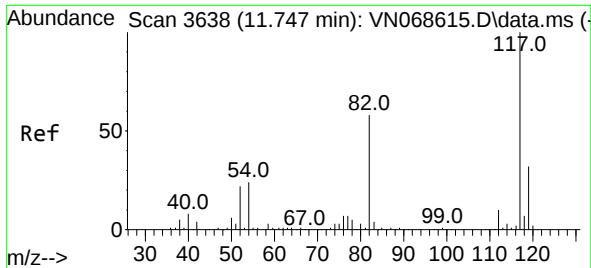
Tgt Ion: 43 Resp: 842094
Ion Ratio Lower Upper
43 100
58 16.5 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 35.896 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 95 Resp: 305452
Ion Ratio Lower Upper
95 100
174 79.3 0.0 122.0
176 75.4 0.0 117.6

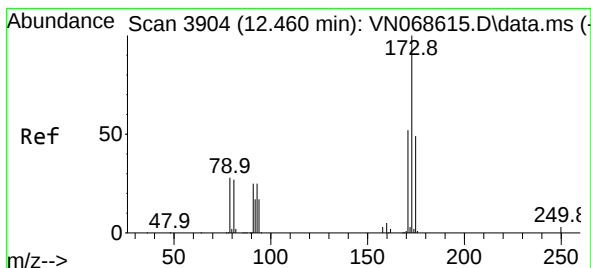
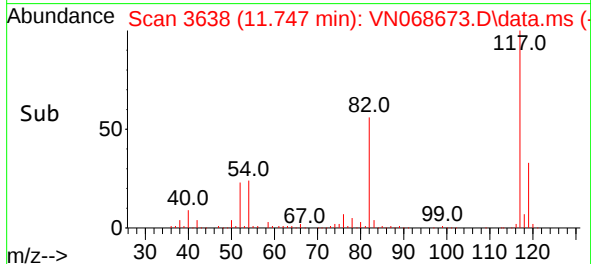
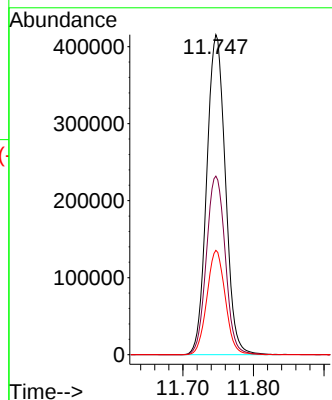
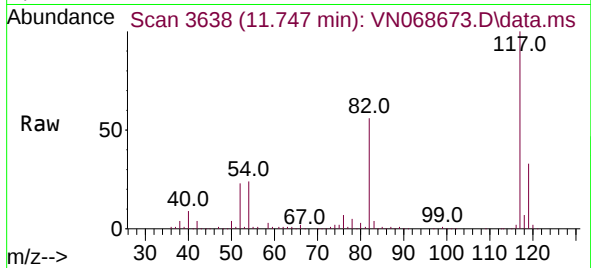




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

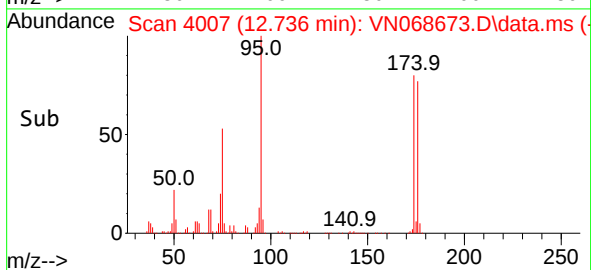
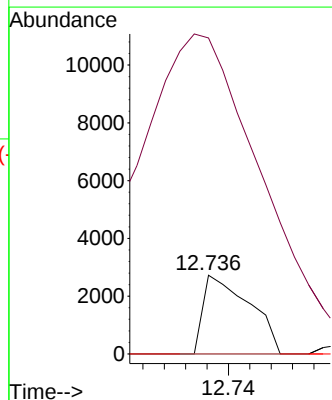
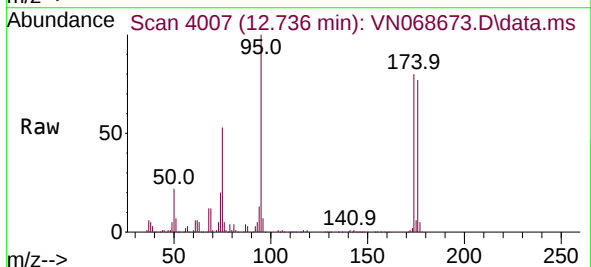
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

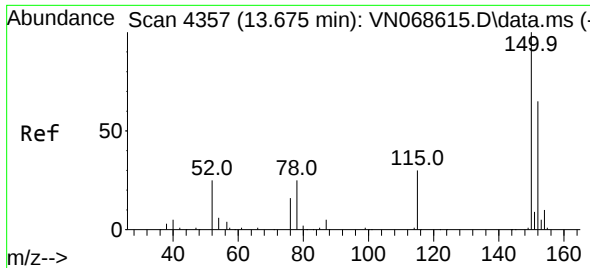
Tgt Ion:117 Resp: 764249
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 32.6 25.5 38.3



#71
Bromoform
Concen: 0.369 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion:173 Resp: 1641
Ion Ratio Lower Upper
173 100
175 1065.0 23.9 71.8#
254 0.0 0.0 0.0

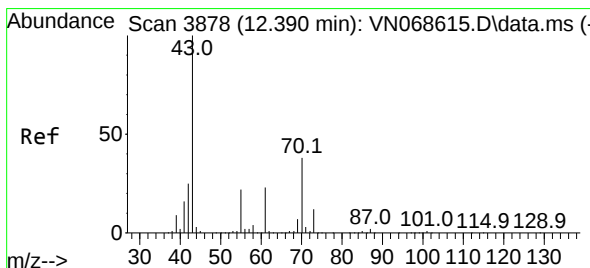
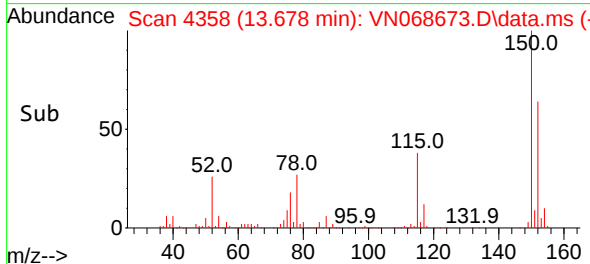
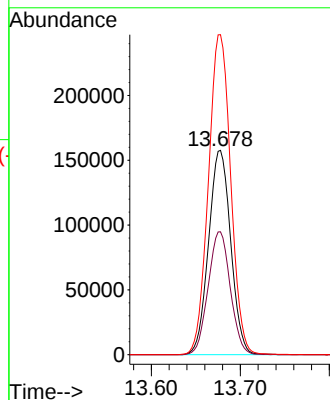
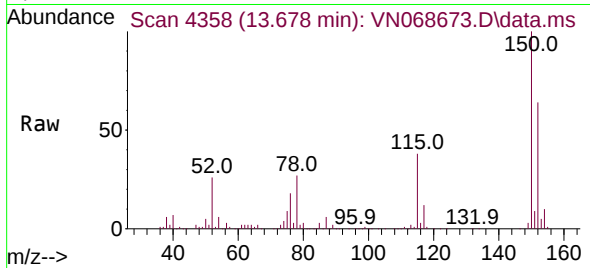




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

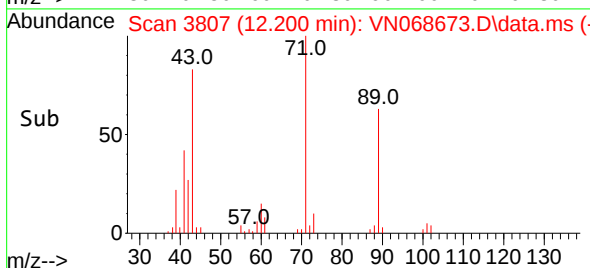
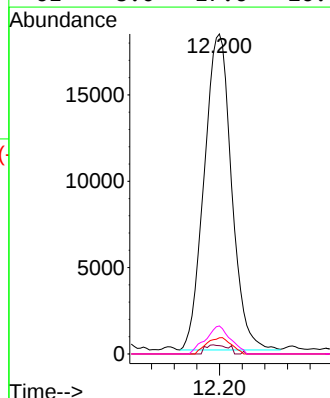
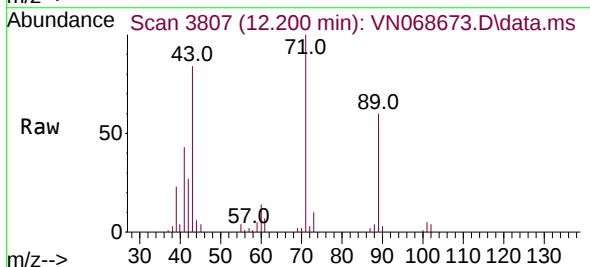
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

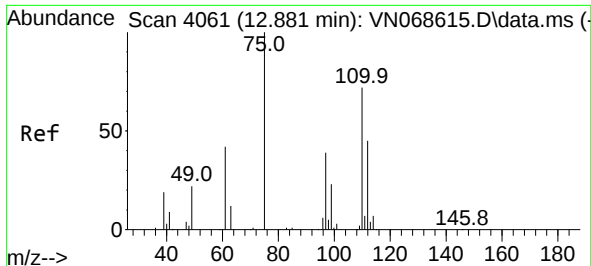
Tgt Ion:152 Resp: 272234
Ion Ratio Lower Upper
152 100
115 60.1 36.1 108.5
150 158.0 0.0 351.8



#74
N-ethyl acetate
Concen: 2.944 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Tgt Ion: 43 Resp: 30677
Ion Ratio Lower Upper
43 100
70 2.3 29.4 44.2#
55 4.6 17.0 25.4#
61 8.0 17.6 26.4#

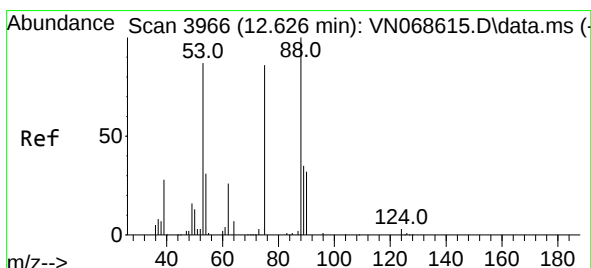
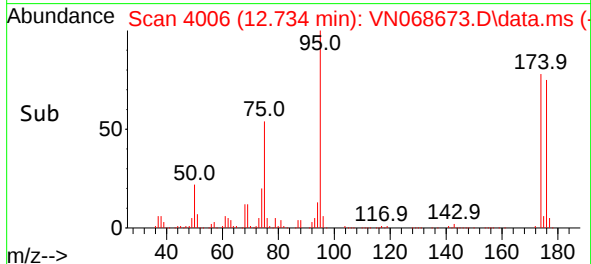
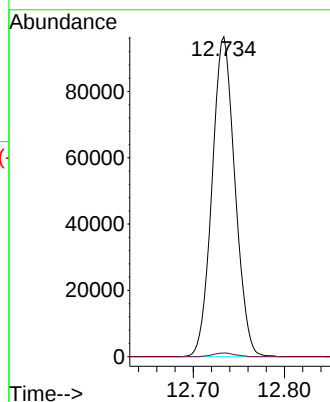
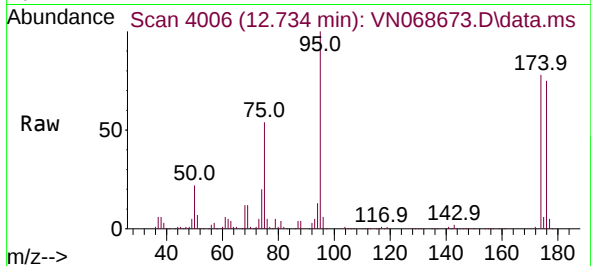




#76
1,2,3-Trichloropropane
Concen: 25.041 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

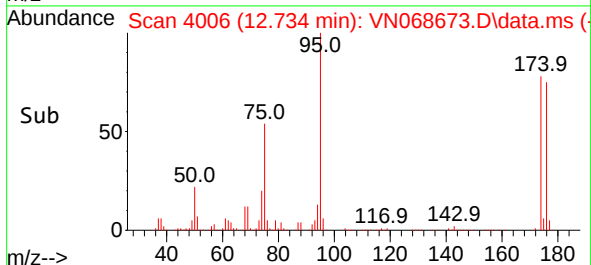
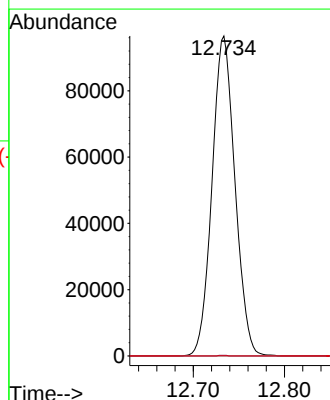
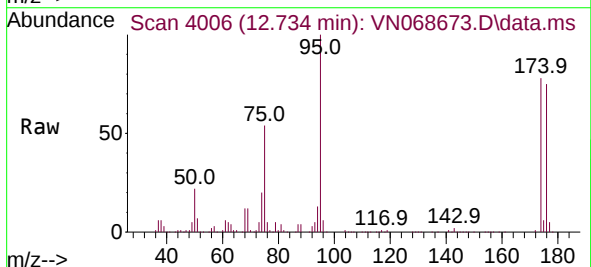
Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01

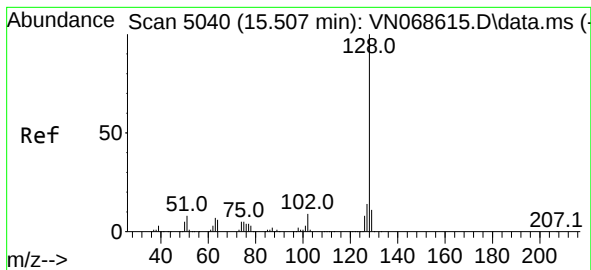
Tgt Ion: 75 Resp: 168559
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.736 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

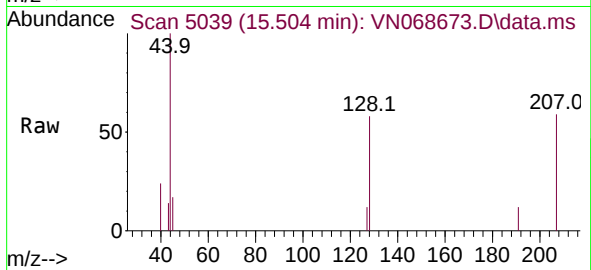
Tgt Ion: 75 Resp: 168559
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.678 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068673.D
Acq: 25 Sep 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
PB139363ZHE#01



Tgt Ion:	128	Resp:	1096
Ion	Ratio	Lower	Upper
128	100		
127	4.6	10.6	15.8#
129	0.0	8.6	12.8#

