

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068670.D
 Acq On : 25 Sep 2021 16:19
 Operator : JC/MD
 Sample : PB139323ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139323ZHE#01

Quant Time: Sep 27 04:45:09 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

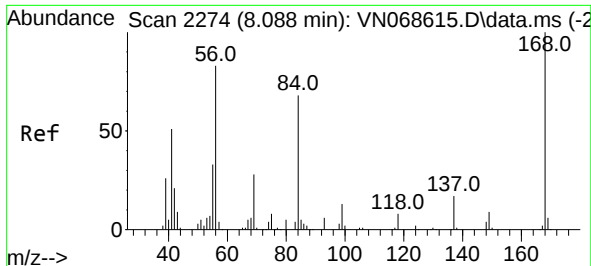
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	527432	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	861928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	778449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	367064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	391256	47.478	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.960%		
35) Dibromofluoromethane	8.024	113	293837	50.941	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.880%		
50) Toluene-d8	10.443	98	1194430	48.862	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.733	95	537980	64.350	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	128.700%		
Target Compounds						
5) Bromomethane	2.877	94	1009	Below Cal	#	67
6) Chloroethane	3.041	64	511	Below Cal	#	44
13) Acrolein	4.036	56	24	6.883	ug/l #	14
16) Acetone	4.293	43	105709	25.075	ug/l	95
18) Methyl Acetate	4.859	43	4023	0.332	ug/l #	64
20) Methylene Chloride	5.100	84	30425	3.008	ug/l	92
25) 2-Butanone	7.345	43	25720	5.124	ug/l	95
29) Tetrahydrofuran	7.710	42	989	0.310	ug/l	92
31) Cyclohexane	8.088	56	12669	1.097	ug/l #	22
36) 1,1-Dichloropropene	8.088	75	42877	4.925	ug/l #	52
37) Ethyl Acetate	7.345	43	25720	2.602	ug/l #	69
38) Carbon Tetrachloride	8.091	117	54104	6.017	ug/l #	16
41) Methacrylonitrile	7.697	41	1112	0.213	ug/l #	33
43) Isopropyl Acetate	8.563	43	63358	3.748	ug/l #	87
45) 1,2-Dichloropropane	9.628	63	3433	0.510	ug/l #	44
48) Methyl methacrylate	9.544	41	13122	1.699	ug/l #	12
49) 1,4-Dioxane	9.614	88	222	1.971	ug/l #	20
51) 4-Methyl-2-Pentanone	10.330	43	12924	1.264	ug/l	89
54) cis-1,3-Dichloropropene	10.244	75	78857	7.419	ug/l #	65
56) Ethyl methacrylate	10.877	69	812	0.777	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	48278	4.406	ug/l #	43
59) 2-Hexanone	11.092	43	808014	109.898	ug/l #	53
74) N-amyl acetate	12.197	43	32372	2.304	ug/l #	57
76) 1,2,3-Trichloropropane	12.733	75	294244	32.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	294244	91.579	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	1247	0.202	ug/l #	86
95) Naphthalene	15.517	128	4803	1.860	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.708	180	1204	0.200	ug/l	60

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

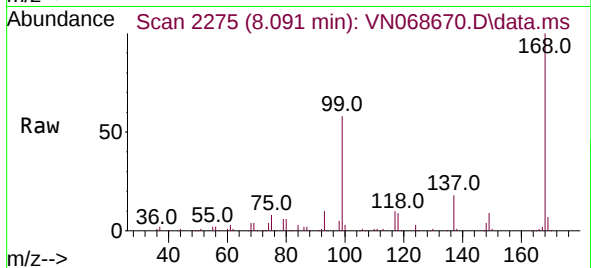
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 13:52:37 2021
Response via : Initial Calibration



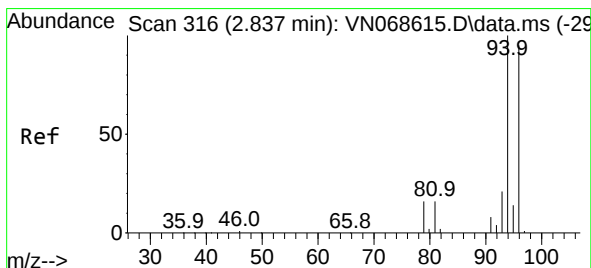
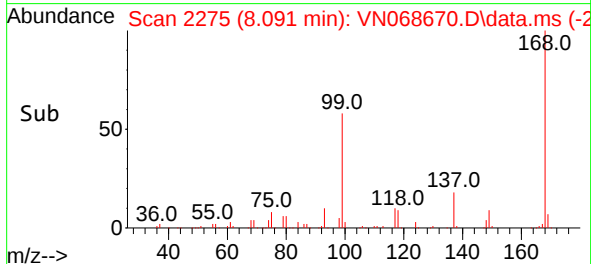
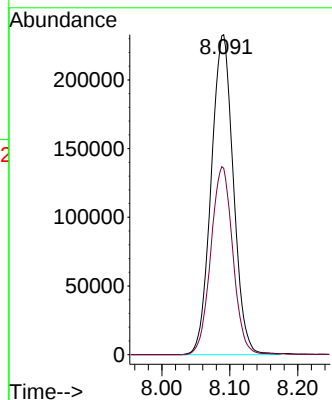


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

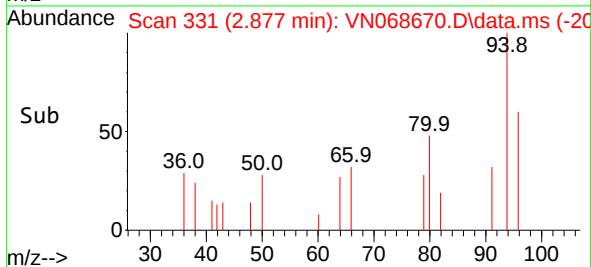
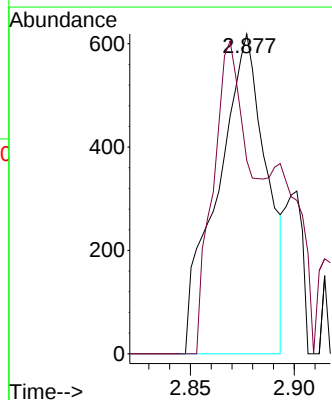
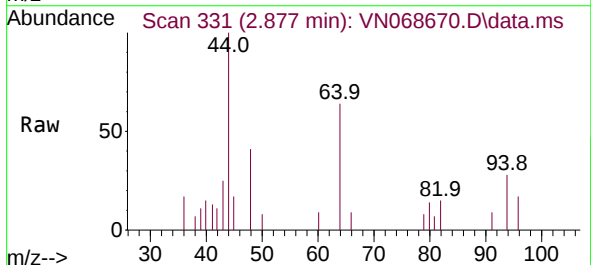


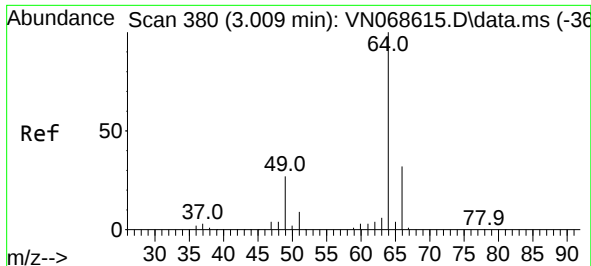
Tgt Ion:168 Resp: 527432
Ion Ratio Lower Upper
168 100
99 58.2 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 94 Resp: 1009
Ion Ratio Lower Upper
94 100
96 60.4 73.7 110.5#

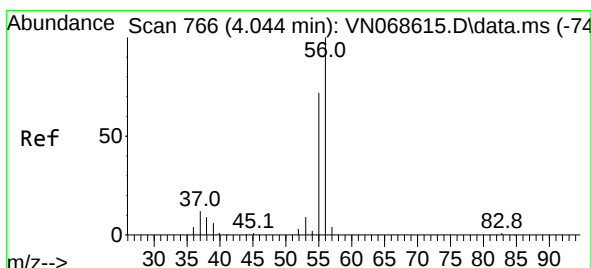
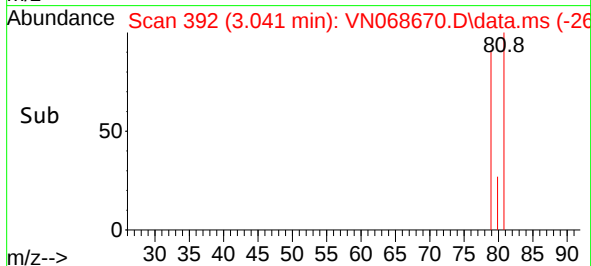
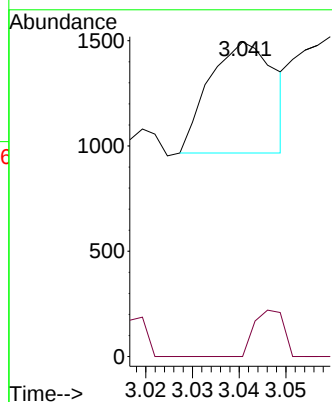
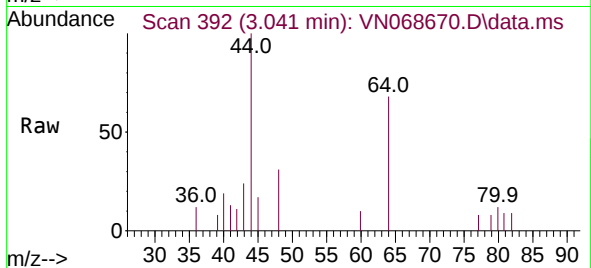




#6
Chloroethane
Concen: Below Cal
RT: 3.041 min Scan# 392
Delta R.T. 0.032 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

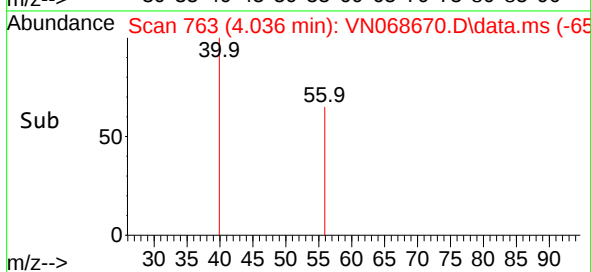
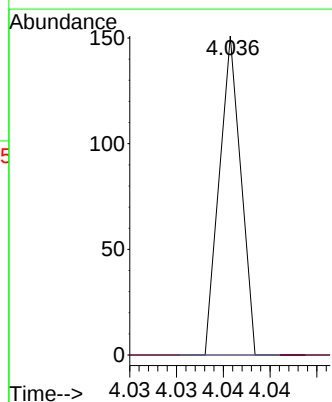
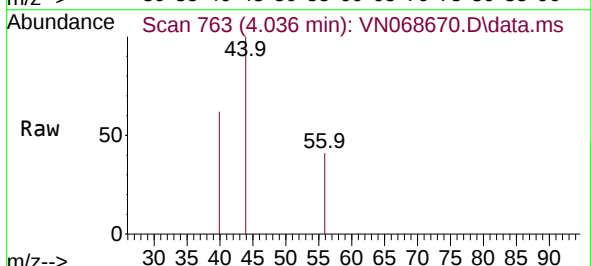
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

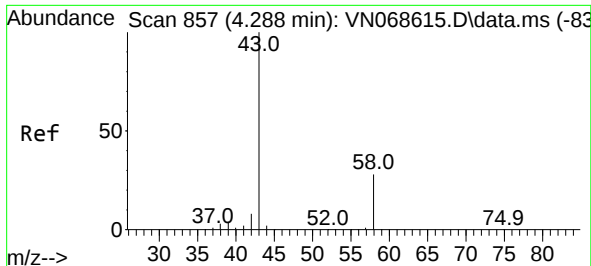
Tgt Ion: 64 Resp: 511
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: 6.883 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.008 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

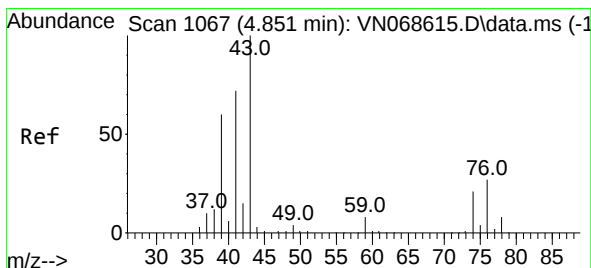
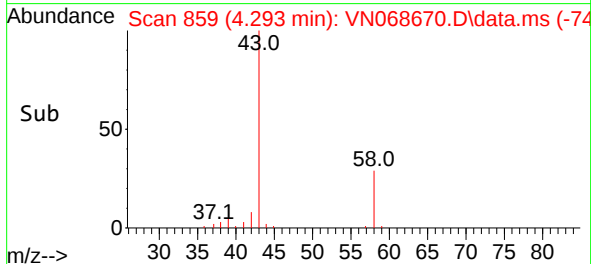
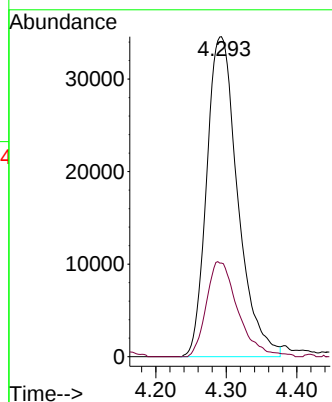
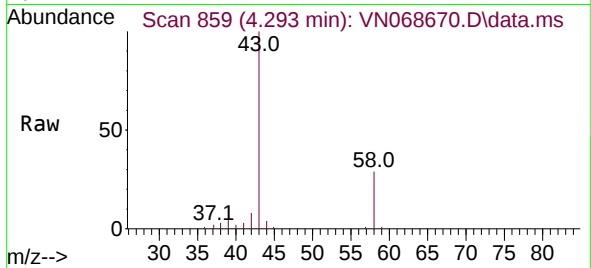




#16
Acetone
Concen: 25.075 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

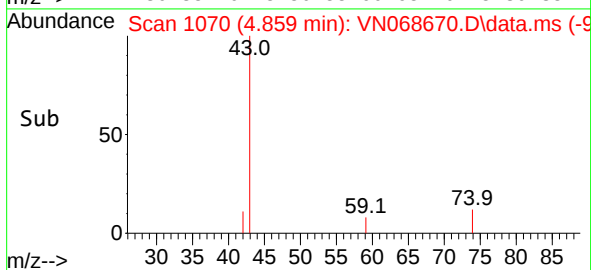
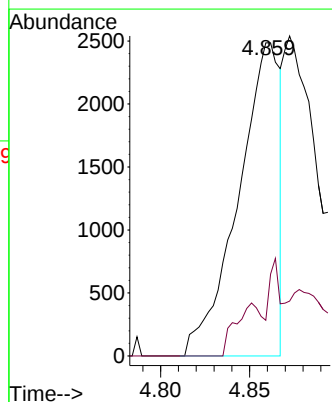
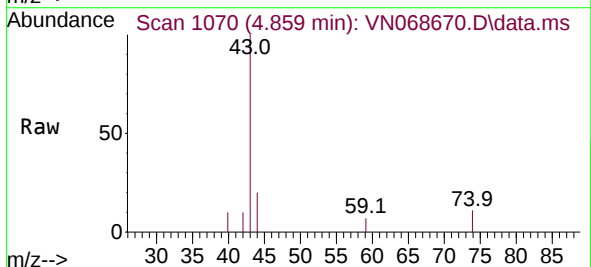
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

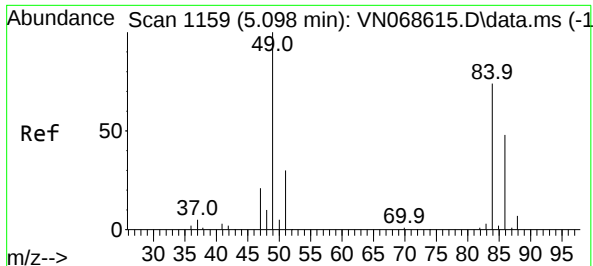
Tgt Ion: 43 Resp: 105709
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.008 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 43 Resp: 4023
Ion Ratio Lower Upper
43 100
74 4.5 17.4 26.0#





#20

Methylene Chloride

Concen: 3.008 ug/l

RT: 5.100 min Scan# 1160

Delta R.T. 0.002 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB139323ZHE#01

Tgt Ion: 84 Resp: 30425

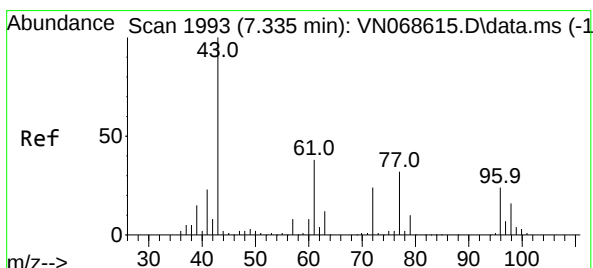
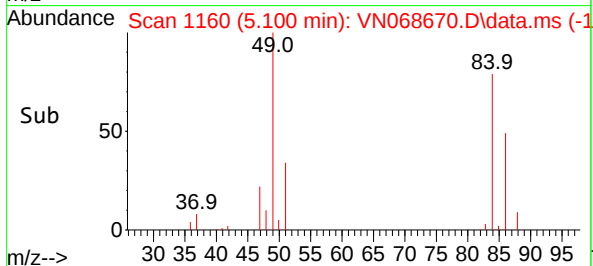
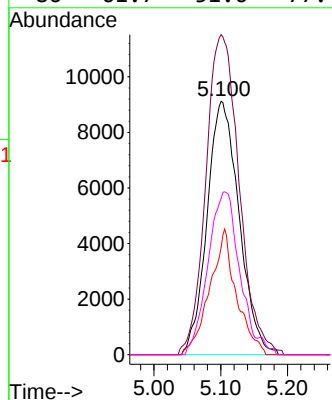
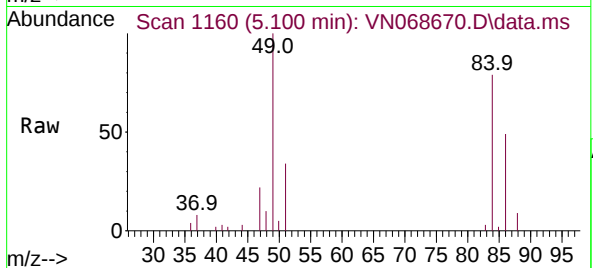
Ion Ratio Lower Upper

84 100

49 124.5 110.9 166.3

51 42.4 32.6 49.0

86 61.7 51.6 77.4



#25

2-Butanone

Concen: 5.124 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.010 min

Lab File: VN068670.D

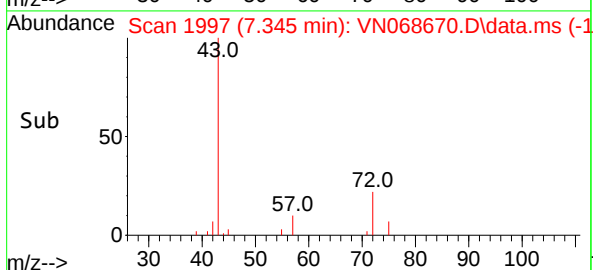
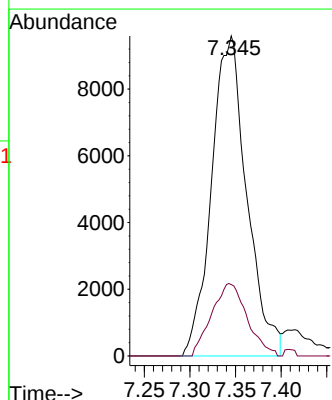
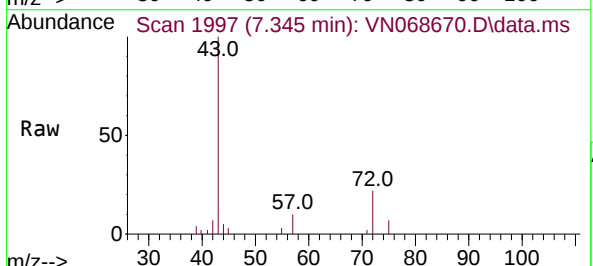
Acq: 25 Sep 2021 16:19

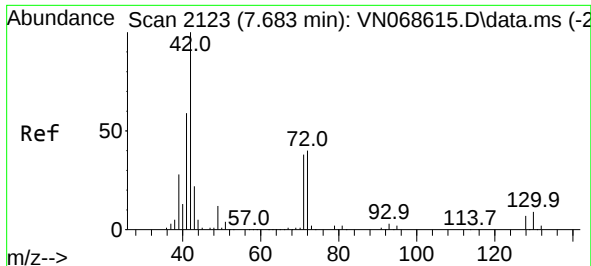
Tgt Ion: 43 Resp: 25720

Ion Ratio Lower Upper

43 100

72 22.3 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.310 ug/l

RT: 7.710 min Scan# 2133

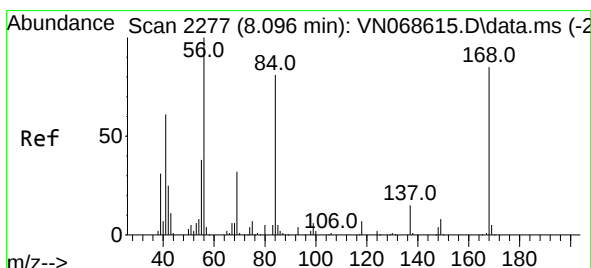
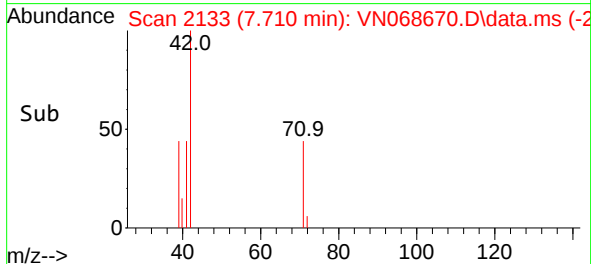
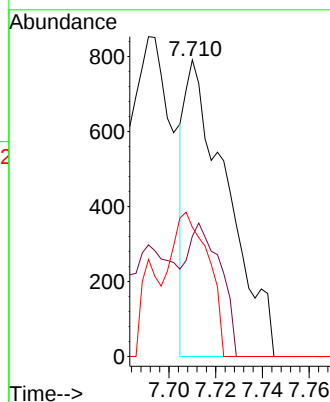
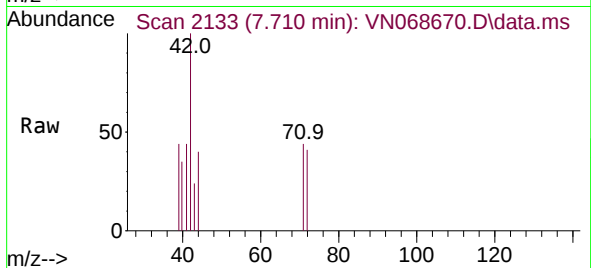
Delta R.T. 0.027 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

Tgt Ion:	42	Resp:	989
Ion	Ratio	Lower	Upper
42	100		
72	35.5	32.8	49.2
71	43.4	31.2	46.8

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01



#31

Cyclohexane

Concen: 1.097 ug/l

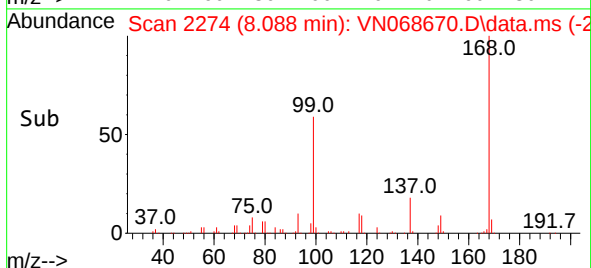
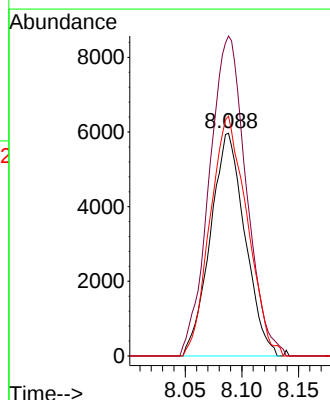
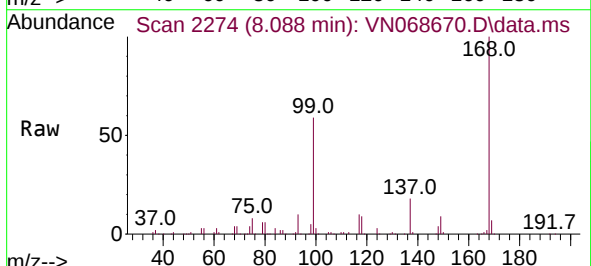
RT: 8.088 min Scan# 2274

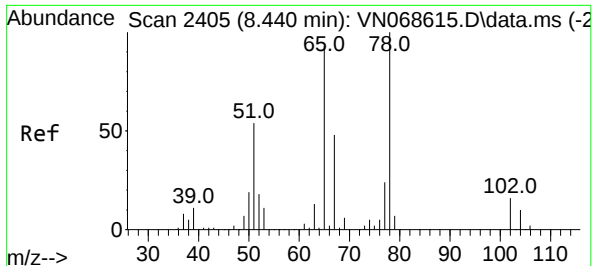
Delta R.T. -0.008 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

Tgt Ion:	56	Resp:	12669
Ion	Ratio	Lower	Upper
56	100		
69	143.6	27.3	40.9#
84	107.7	64.9	97.3#

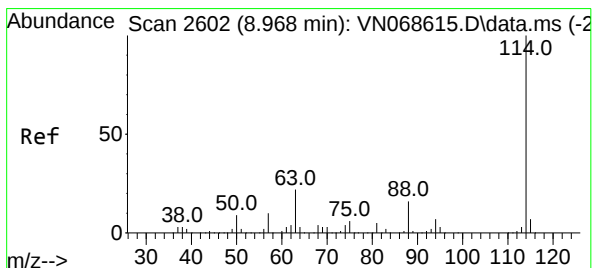
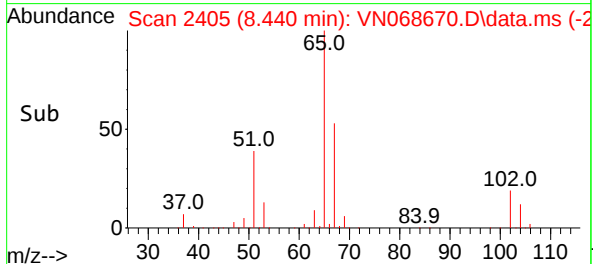
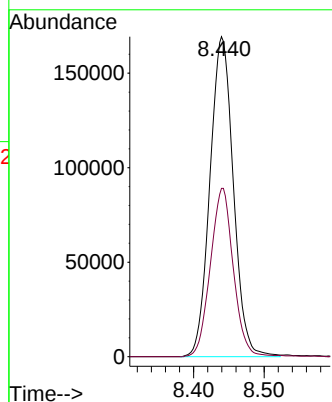
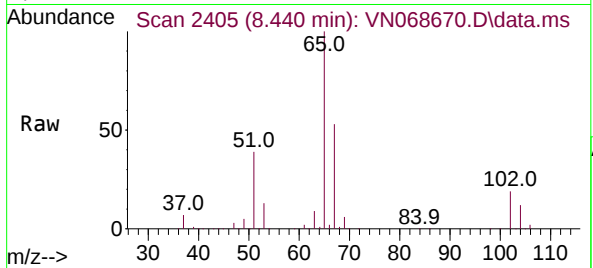




#33
 1,2-Dichloroethane-d4
 Concen: 47.478 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068670.D
 Acq: 25 Sep 2021 16:19

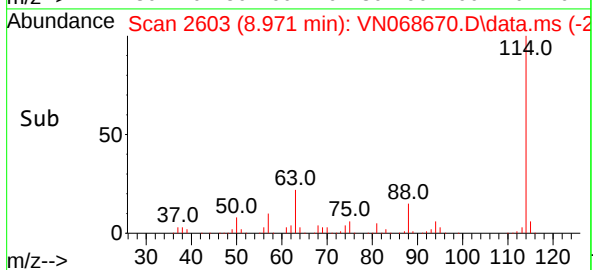
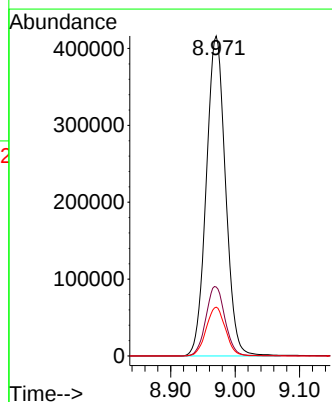
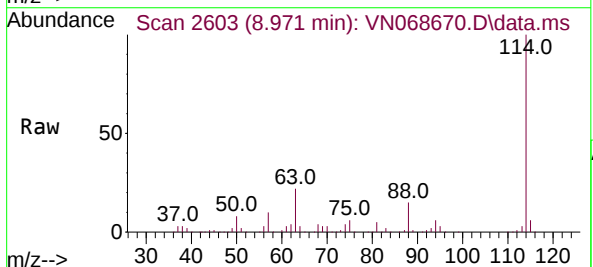
Instrument :
 MSVOA_N
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 PB139323ZHE#01

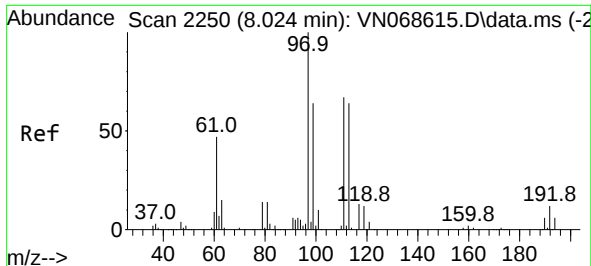
Tgt Ion: 65 Resp: 391256
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068670.D
 Acq: 25 Sep 2021 16:19

Tgt Ion: 114 Resp: 861928
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 49.0
 88 15.2 0.0 36.6

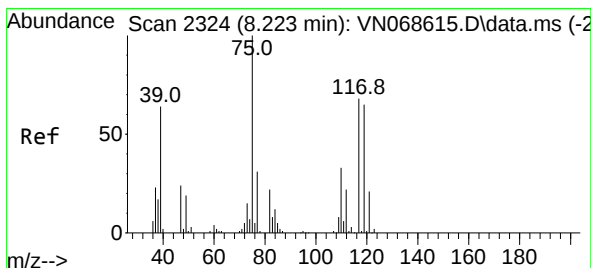
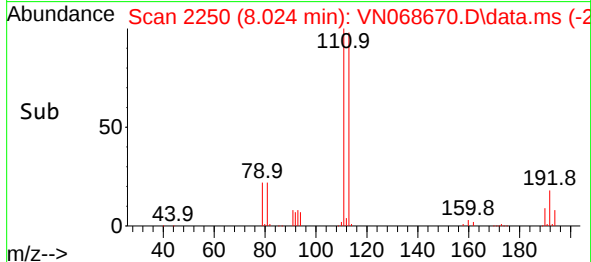
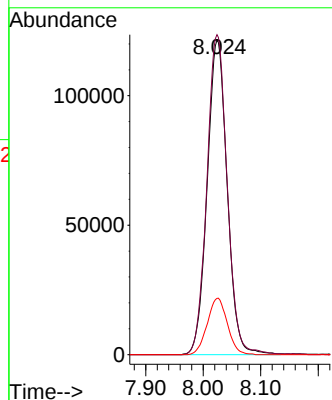
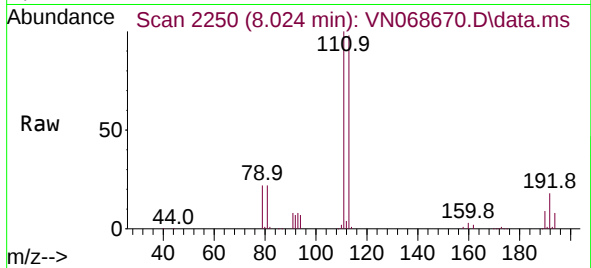




#35
Dibromofluoromethane
Concen: 50.941 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

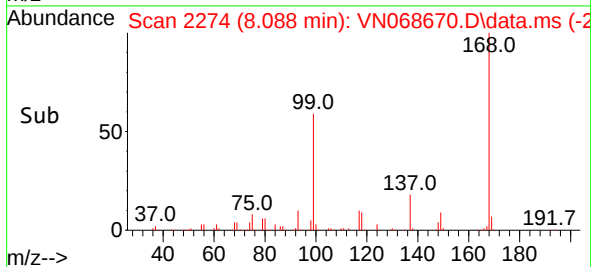
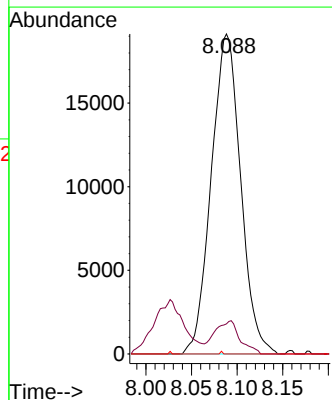
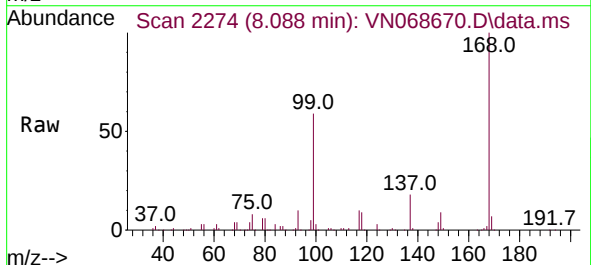
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

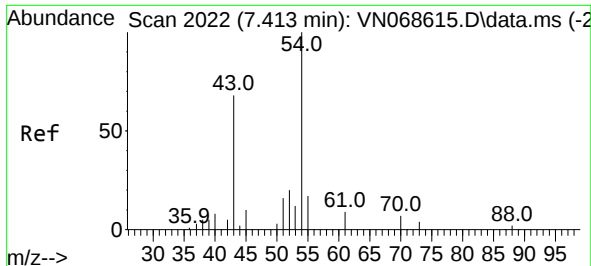
Tgt Ion:113 Resp: 293837
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 18.1 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 75 Resp: 42877
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.1 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.602 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. -0.068 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

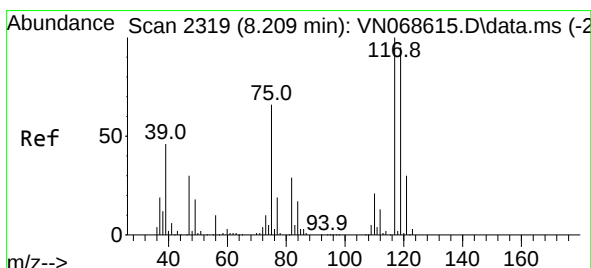
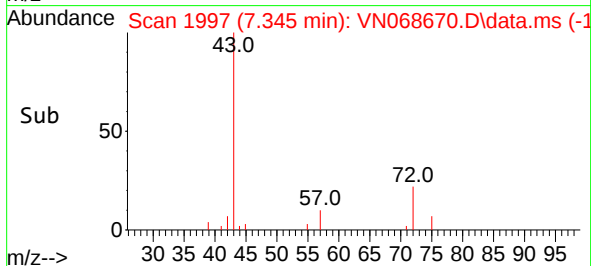
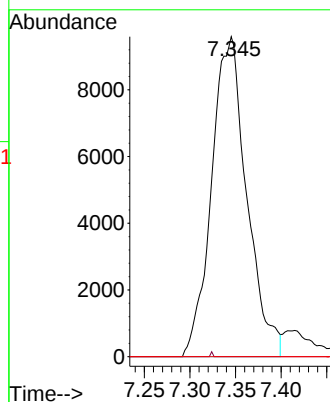
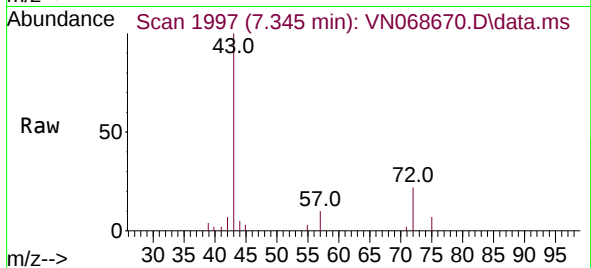
Instrument :

MSVOA_N

ClientSampleId :

PB139323ZHE#01

Tgt Ion:	43	Resp:	25720
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 6.017 ug/l

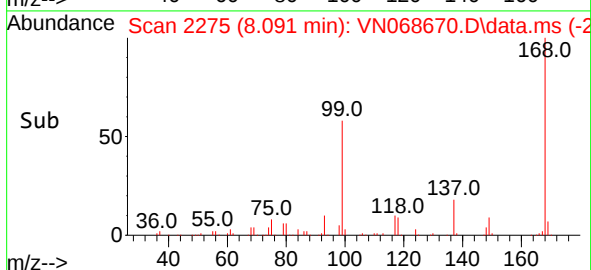
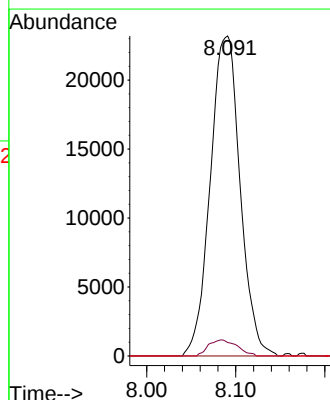
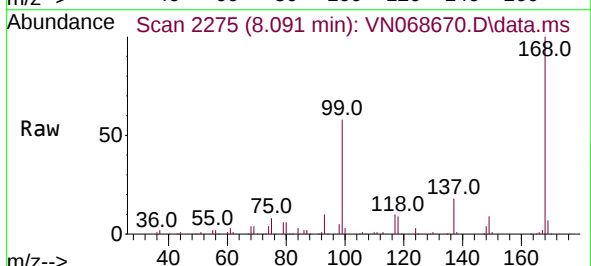
RT: 8.091 min Scan# 2275

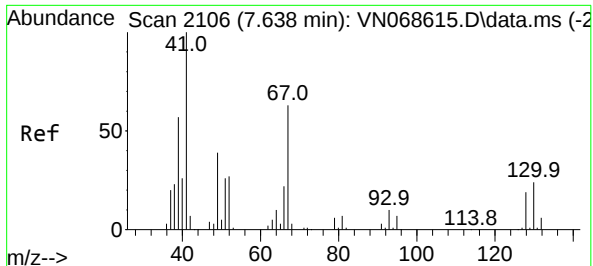
Delta R.T. -0.118 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

Tgt Ion:	117	Resp:	54104
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.4	113.2#
121	0.0	23.5	35.3#



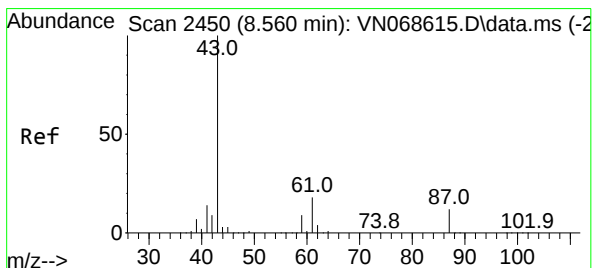
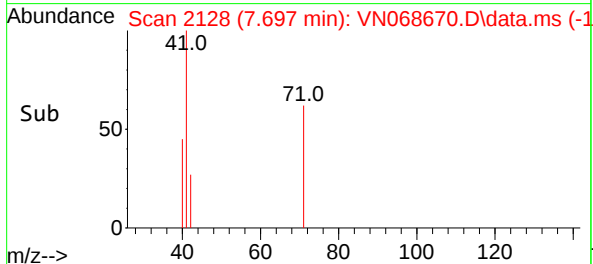
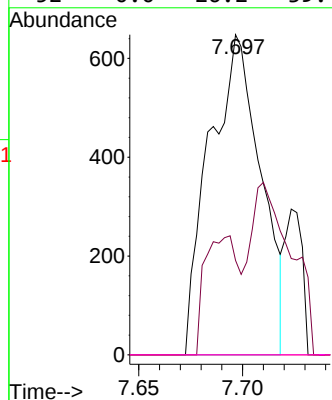
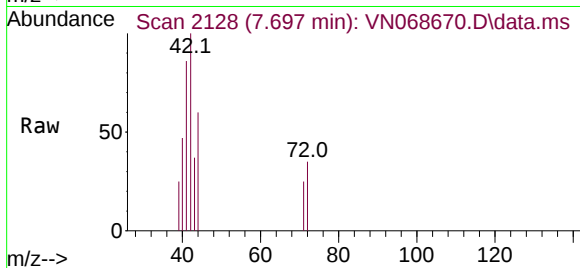


#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

Tgt Ion: 41 Resp: 1112

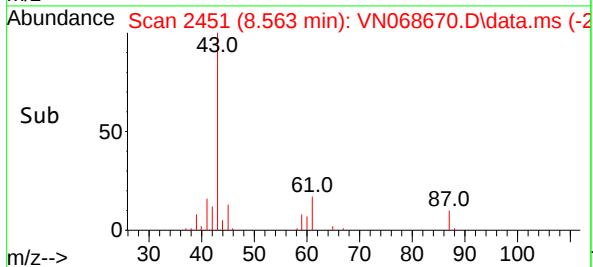
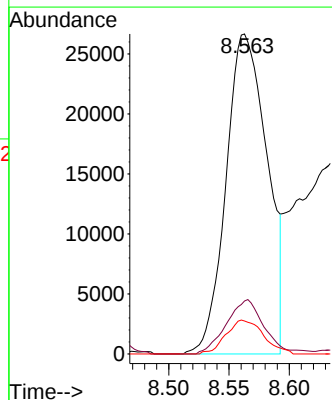
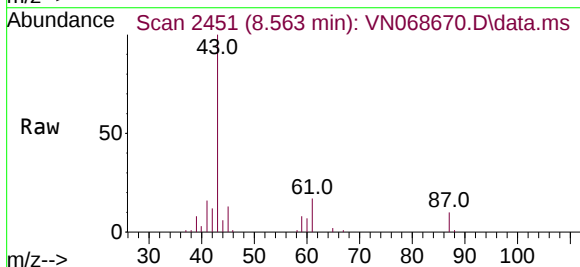
Ion	Ratio	Lower	Upper
41	100		
39	24.2	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

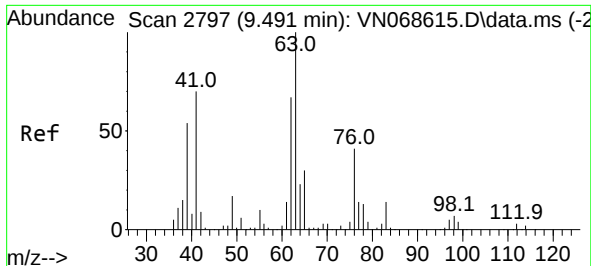


#43
Isopropyl Acetate
Concen: 3.748 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 43 Resp: 63358

Ion	Ratio	Lower	Upper
43	100		
61	15.7	19.0	28.4#
87	9.6	9.5	14.3



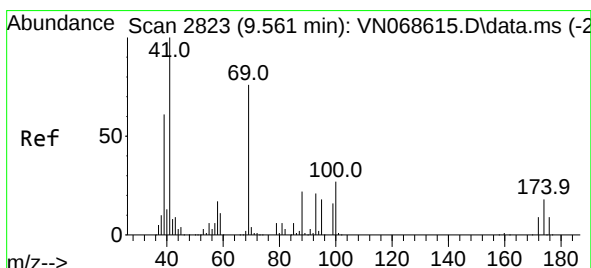
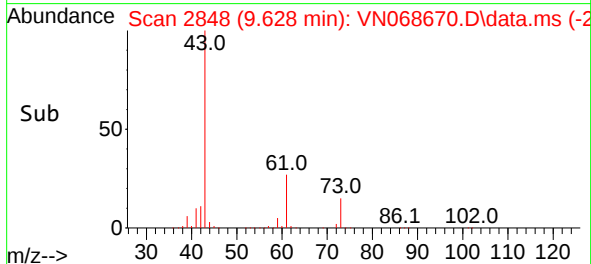
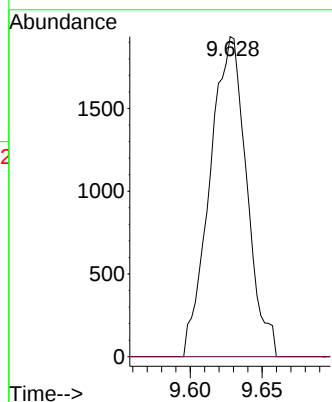
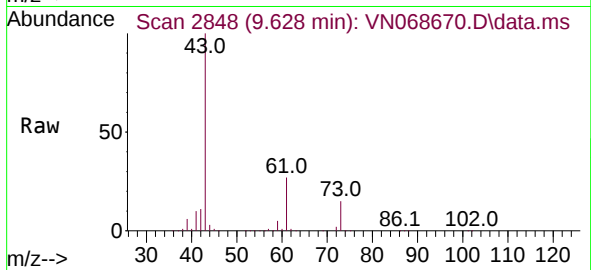


#45

1,2-Dichloropropane
Concen: 0.510 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

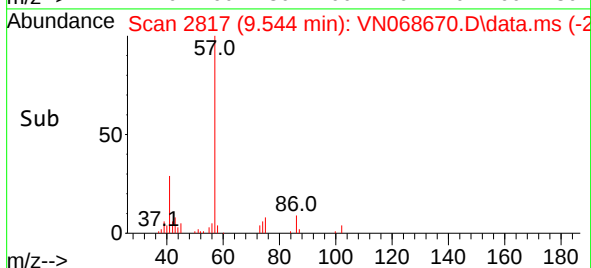
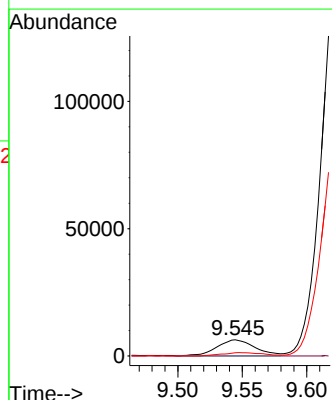
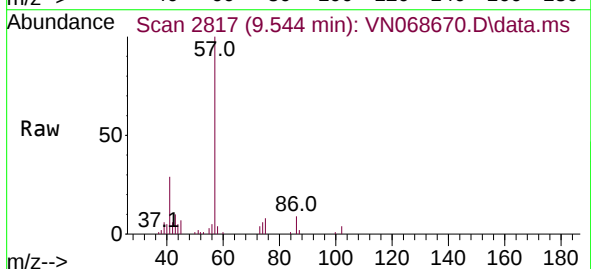
Tgt Ion: 63 Resp: 3433
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

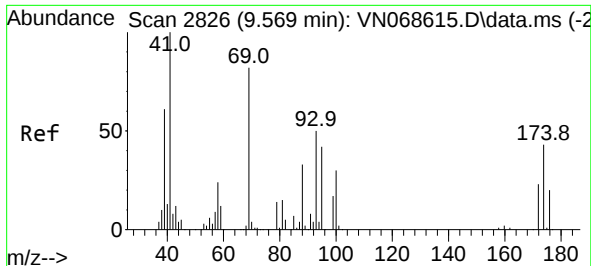


#48

Methyl methacrylate
Concen: 1.699 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.017 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 41 Resp: 13122
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: 1.971 ug/l

RT: 9.614 min Scan# 2843

Delta R.T. 0.045 min

Lab File: VN068670.D

Acq: 25 Sep 2021 16:19

Tgt Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

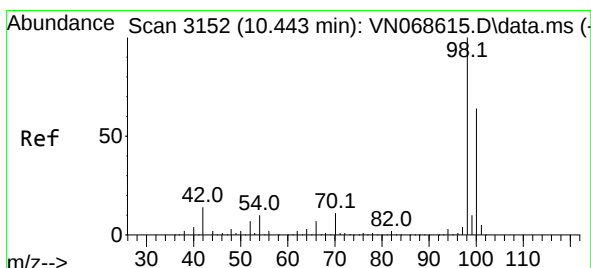
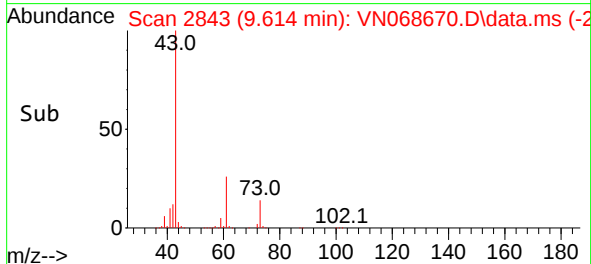
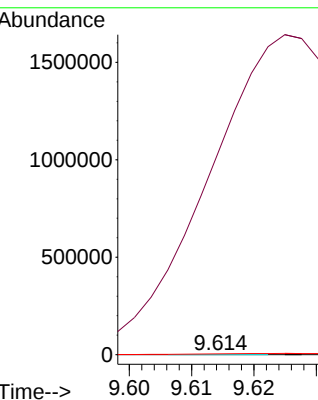
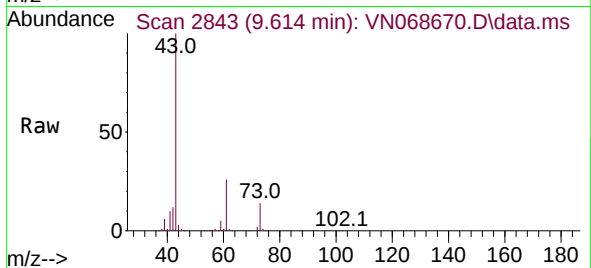
58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

PB139323ZHE#01



#50

Toluene-d8

Concen: 48.862 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068670.D

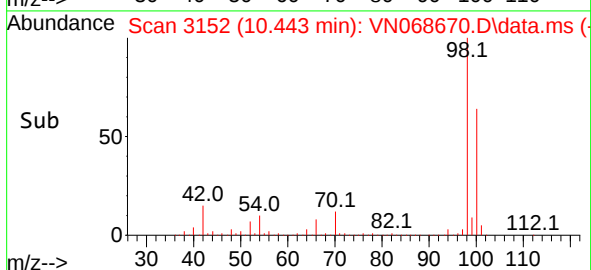
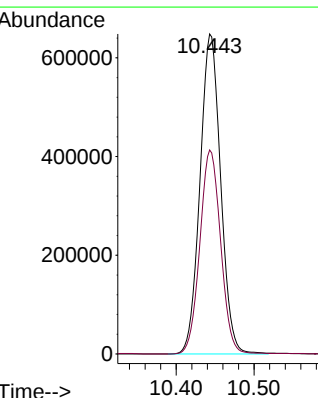
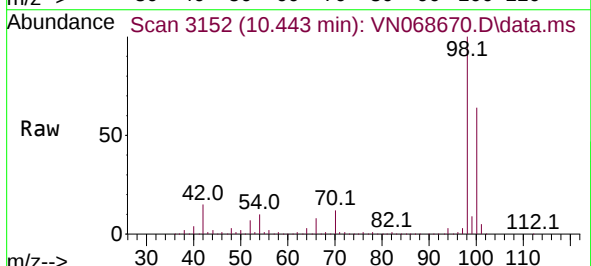
Acq: 25 Sep 2021 16:19

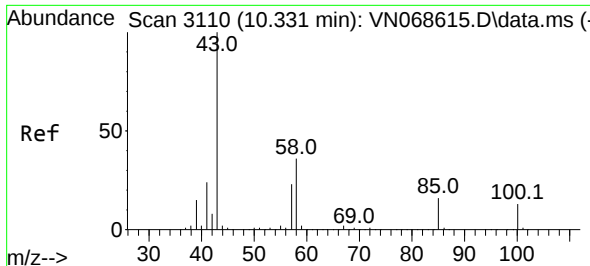
Tgt Ion: 98 Resp: 1194430

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5

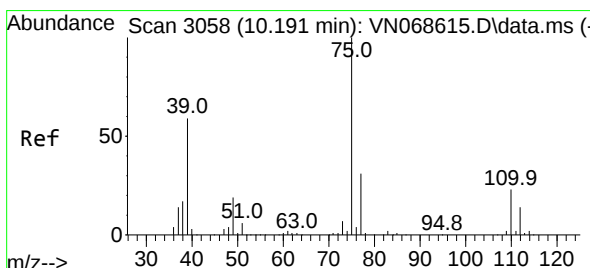
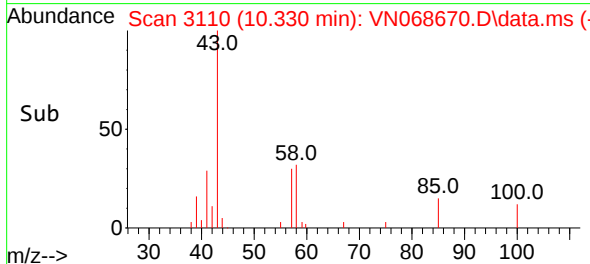
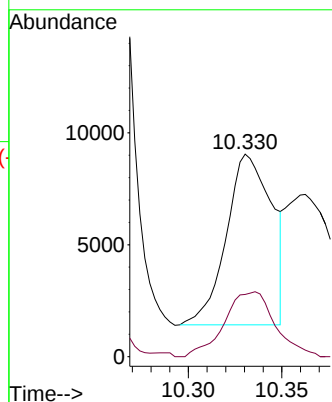
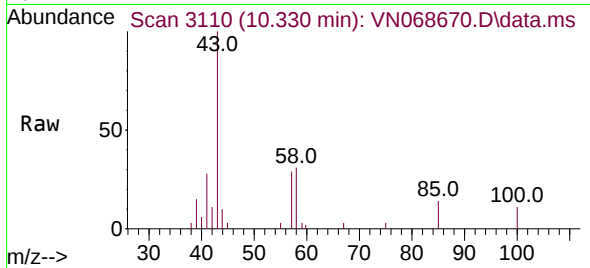




#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

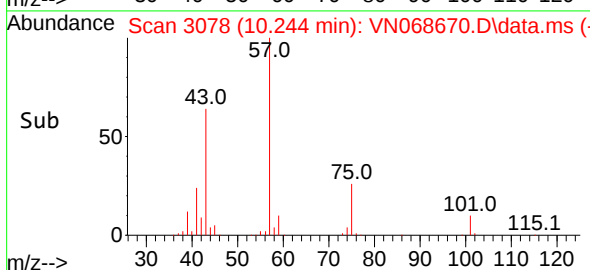
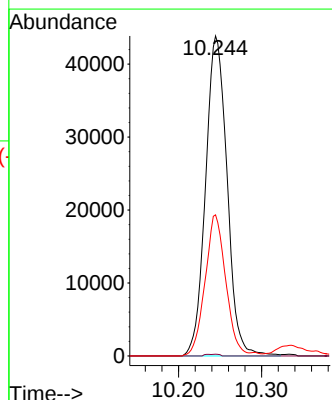
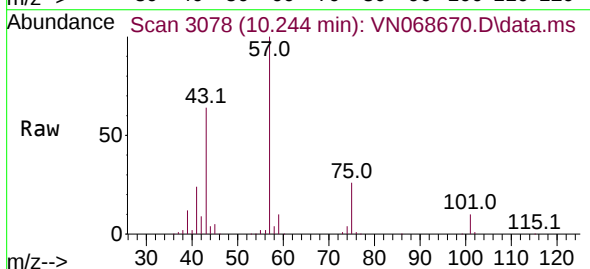
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

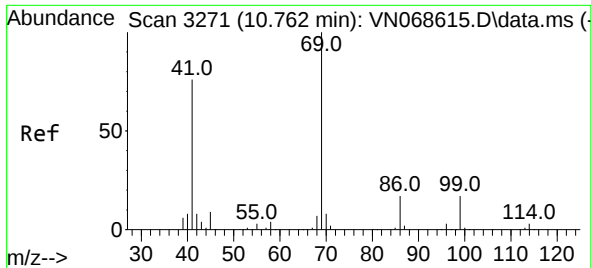
Tgt Ion: 43 Resp: 12924
Ion Ratio Lower Upper
43 100
58 42.3 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 7.419 ug/l
RT: 10.244 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 75 Resp: 78857
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 44.1 50.7 76.1#

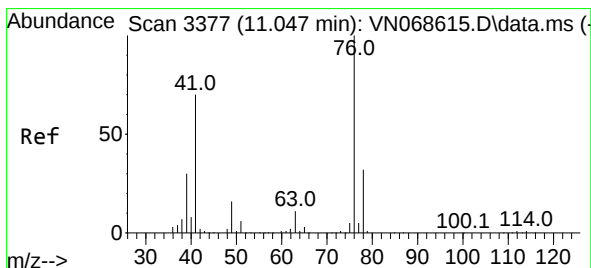
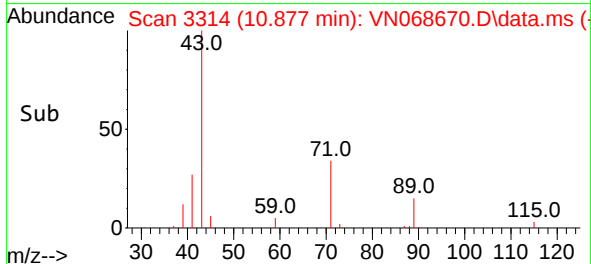
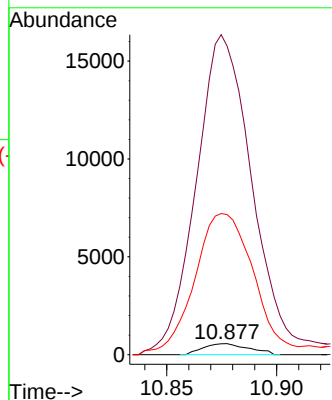
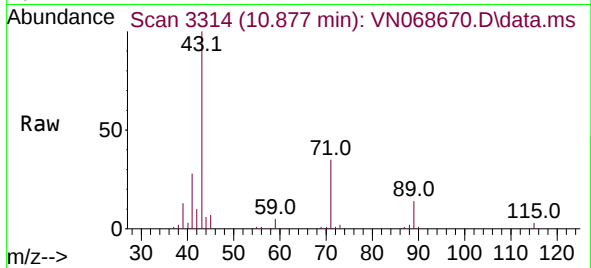




#56
Ethyl methacrylate
Concen: 0.777 ug/l
RT: 10.877 min Scan# 3314
Delta R.T. 0.115 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

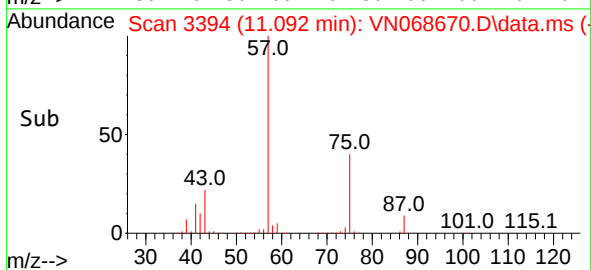
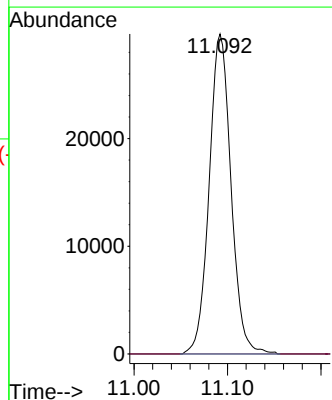
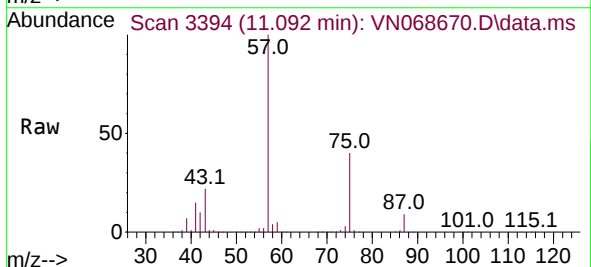
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

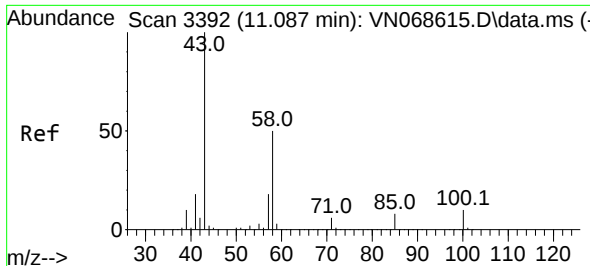
Tgt Ion: 69 Resp: 812
Ion Ratio Lower Upper
69 100
41 3596.2 58.6 88.0#
39 1683.5 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 4.406 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 76 Resp: 48278
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

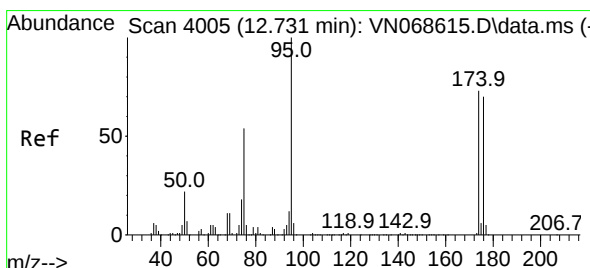
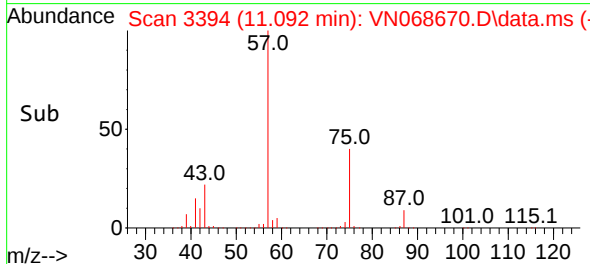
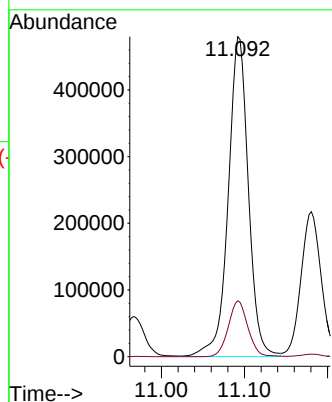
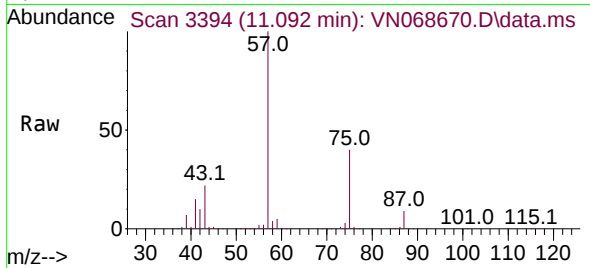




#59
2-Hexanone
Concen: 109.898 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

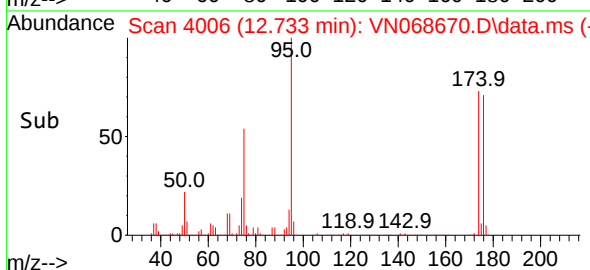
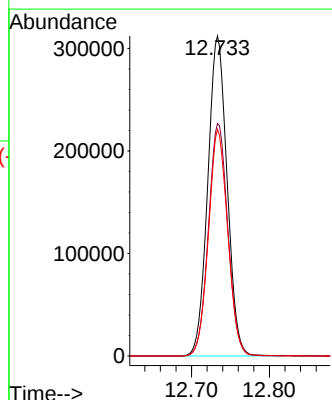
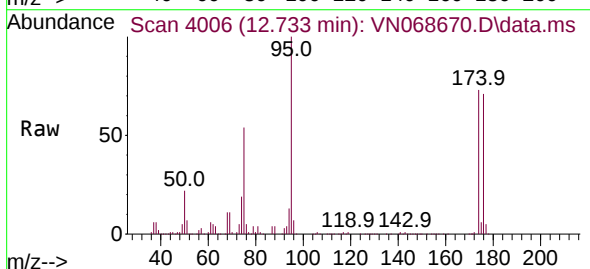
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

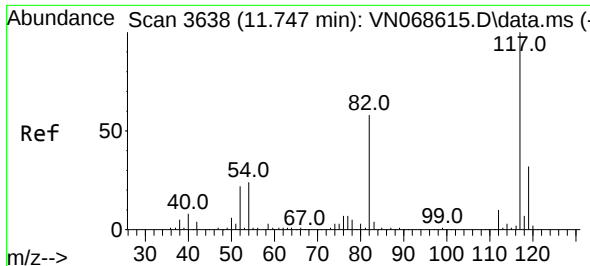
Tgt Ion: 43 Resp: 808014
Ion Ratio Lower Upper
43 100
58 17.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 64.350 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 95 Resp: 537980
Ion Ratio Lower Upper
95 100
174 73.1 0.0 122.0
176 70.5 0.0 117.6

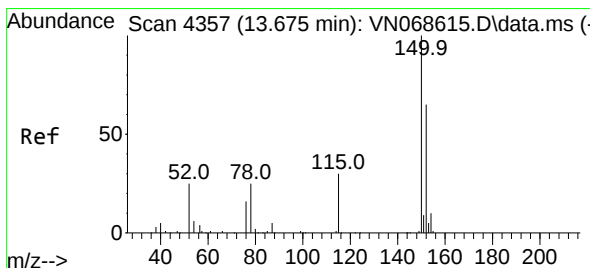
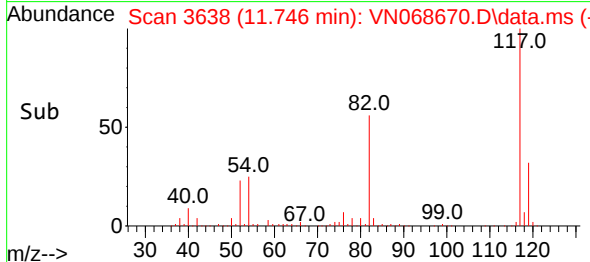
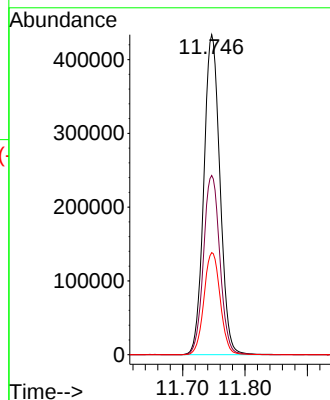
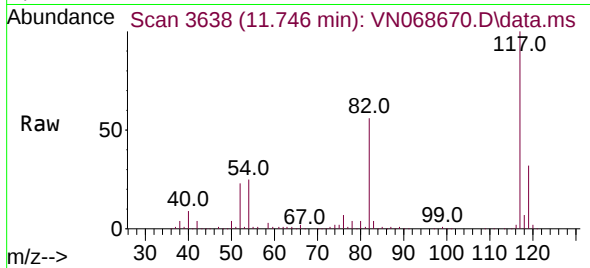




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

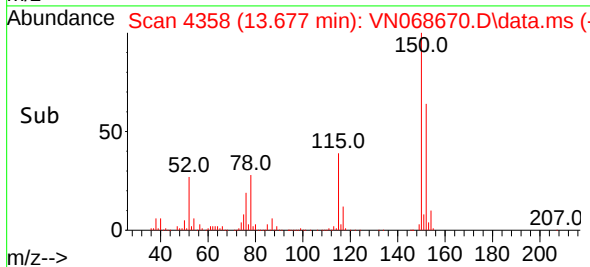
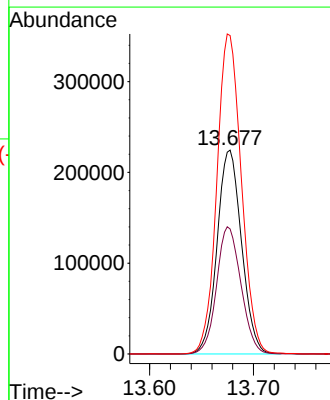
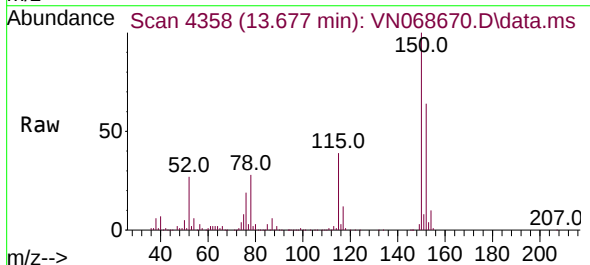
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

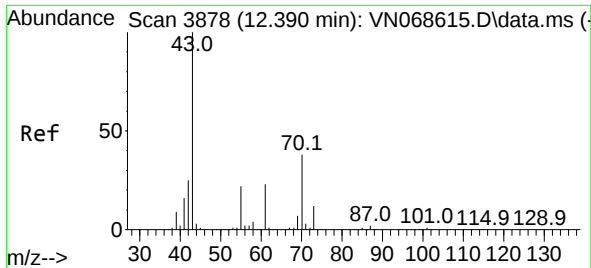
Tgt Ion:117 Resp: 778449
Ion Ratio Lower Upper
117 100
82 56.0 53.1 79.7
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion:152 Resp: 367064
Ion Ratio Lower Upper
152 100
115 62.1 36.1 108.5
150 157.4 0.0 351.8

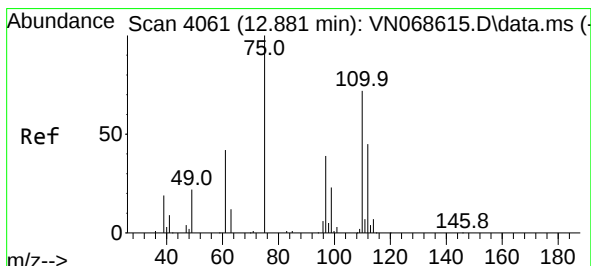
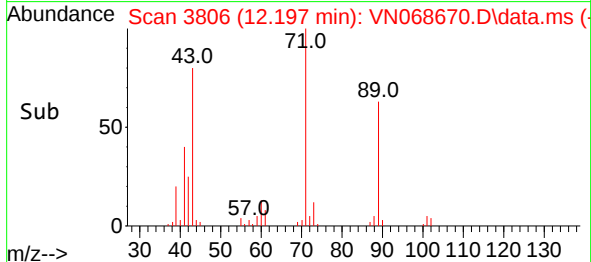
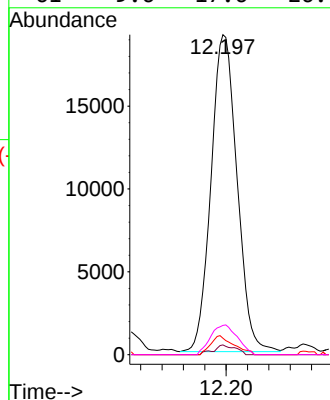
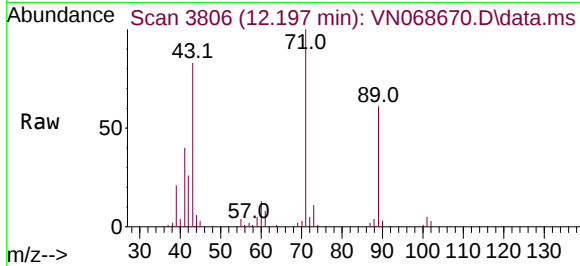




#74
N-amy1 acetate
Concen: 2.304 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

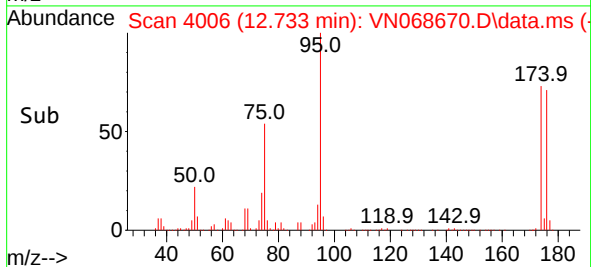
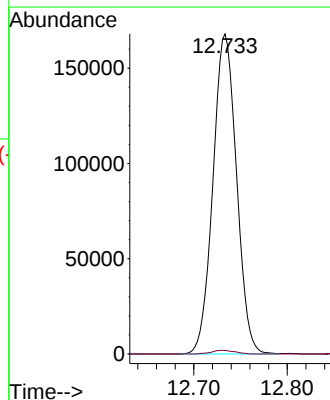
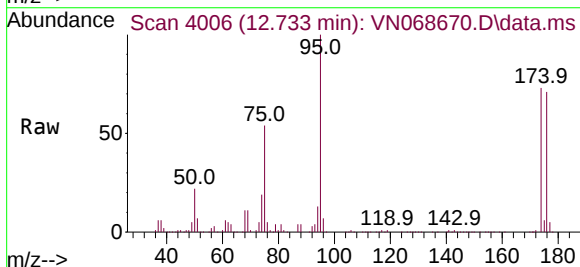
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

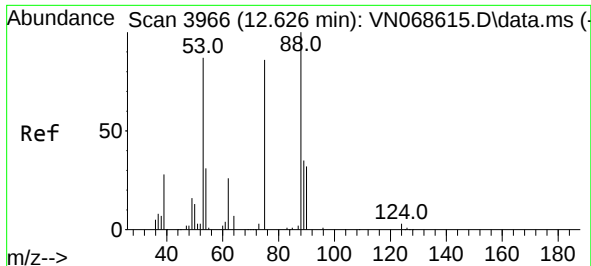
Tgt Ion: 43	Resp: 32372
Ion Ratio	Lower Upper
43 100	
70 2.6	29.4 44.2#
55 5.3	17.0 25.4#
61 9.6	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.420 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion: 75	Resp: 294244
Ion Ratio	Lower Upper
75 100	
77 1.1	0.0 0.0#

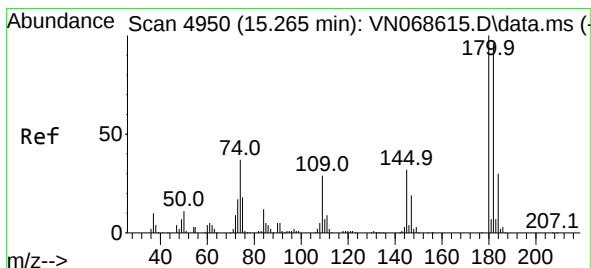
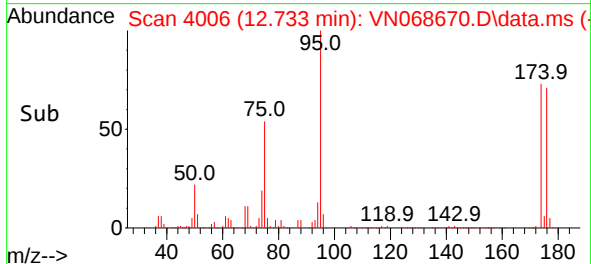
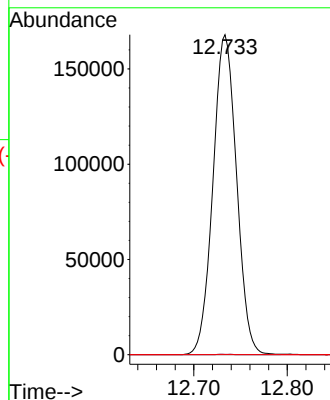
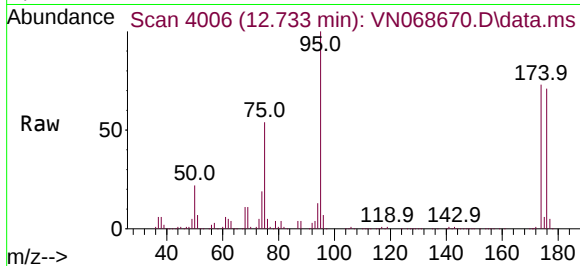




#81
trans-1,4-Dichloro-2-butene
Concen: 91.579 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

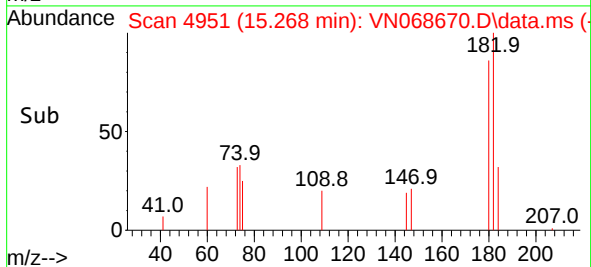
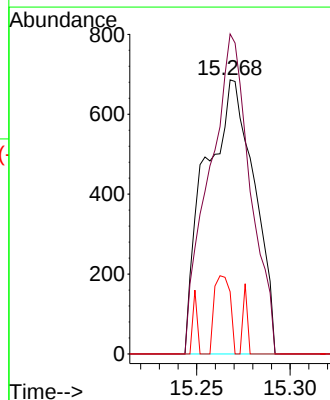
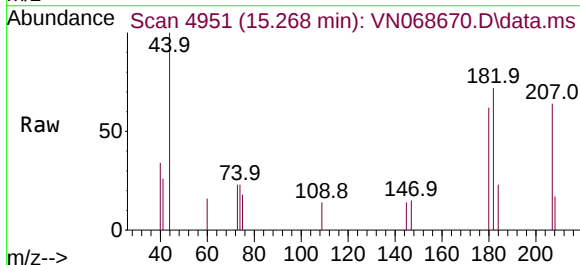
Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

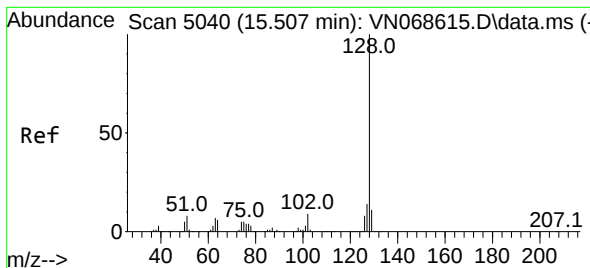
Tgt Ion: 75 Resp: 294244
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion:180 Resp: 1247
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.5
145 9.2 17.2 51.6#

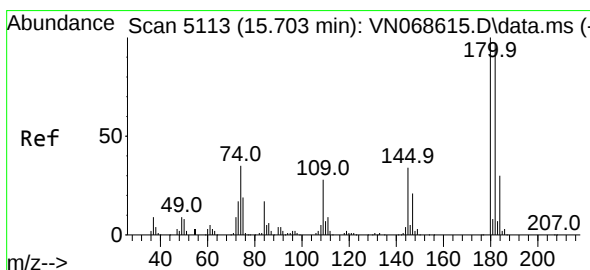
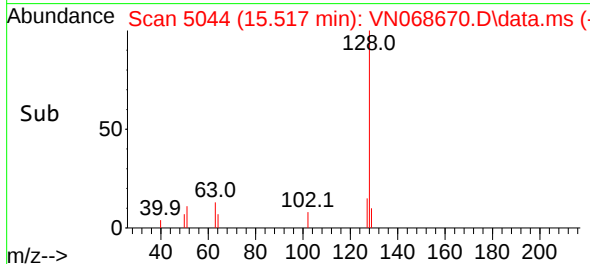
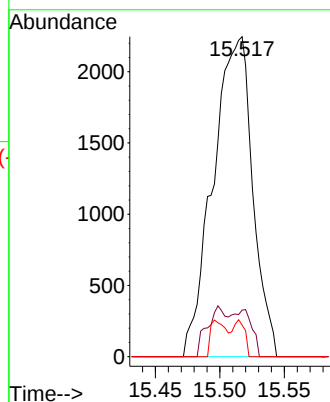
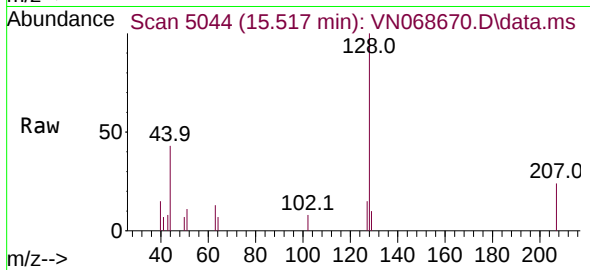




#95
Naphthalene
Concen: 1.860 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB139323ZHE#01

Tgt Ion:128 Resp: 4803
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.200 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068670.D
Acq: 25 Sep 2021 16:19

Tgt Ion:180 Resp: 1204
Ion Ratio Lower Upper
180 100
182 51.3 47.8 143.3
145 21.3 18.2 54.6

