

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068667.D
 Acq On : 25 Sep 2021 15:03
 Operator : JC/MD
 Sample : PB139230ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139230ZHE#03

Quant Time: Sep 27 04:43:56 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)

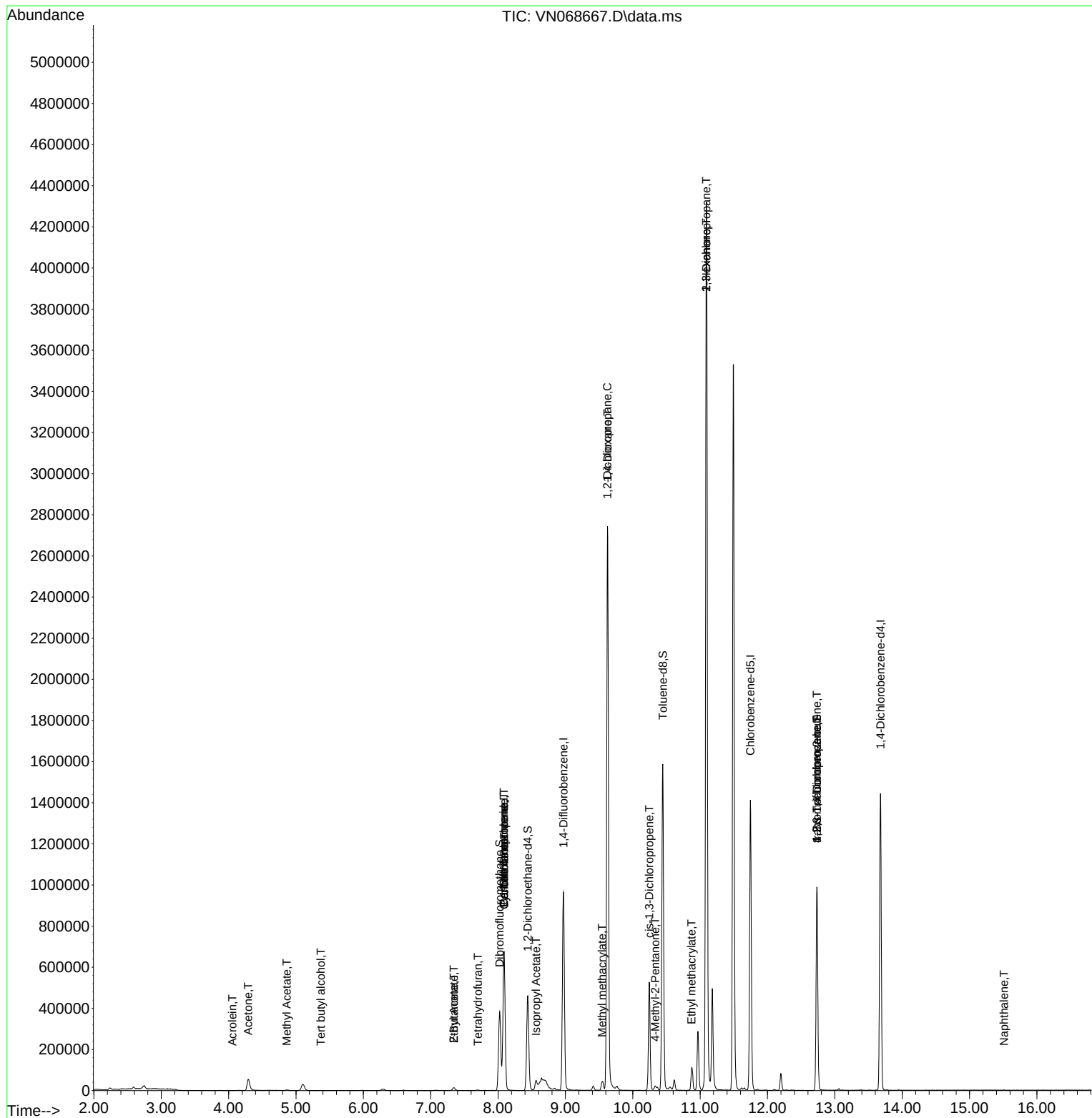
Internal Standards						
1) Pentafluorobenzene	8.088	168	503317	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	835245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	765892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	373053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	372308	47.340	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.680%		
35) Dibromofluoromethane	8.024	113	278414	49.790	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.580%		
50) Toluene-d8	10.446	98	1086051	45.848	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.700%		
62) 4-Bromofluorobenzene	12.733	95	335196	41.375	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.740%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	58	Below Cal	#	4
6) Chloroethane	3.062	64	370	Below Cal	#	44
11) Tert butyl alcohol	5.369	59	493	0.408	ug/l #	71
13) Acrolein	4.055	56	131	7.160	ug/l #	14
16) Acetone	4.291	43	105713	26.854	ug/l	96
18) Methyl Acetate	4.865	43	4160	0.360	ug/l #	87
20) Methylene Chloride	5.095	84	11202	Below Cal		95
25) 2-Butanone	7.343	43	24456	5.105	ug/l	100
29) Tetrahydrofuran	7.699	42	1882	0.618	ug/l #	57
31) Cyclohexane	8.091	56	12741	1.156	ug/l #	16
36) 1,1-Dichloropropene	8.088	75	41243	4.889	ug/l #	52
37) Ethyl Acetate	7.343	43	24456	2.554	ug/l #	69
38) Carbon Tetrachloride	8.088	117	51262	5.883	ug/l #	16
43) Isopropyl Acetate	8.563	43	59283	3.619	ug/l #	87
45) 1,2-Dichloropropane	9.622	63	3306	0.507	ug/l #	44
48) Methyl methacrylate	9.545	41	12647	1.690	ug/l #	12
49) 1,4-Dioxane	9.625	88	260	2.382	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	12676	1.279	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	83355	8.093	ug/l #	63
56) Ethyl methacrylate	10.872	69	390	0.741	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	45783	4.312	ug/l #	43
59) 2-Hexanone	11.092	43	759079	106.540	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	185955	20.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	185955	56.946	ug/l #	6
95) Naphthalene	15.509	128	2280	1.720	ug/l #	76

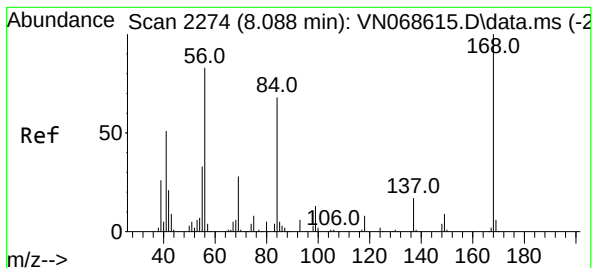
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068667.D

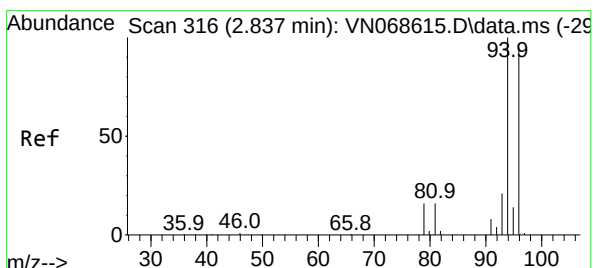
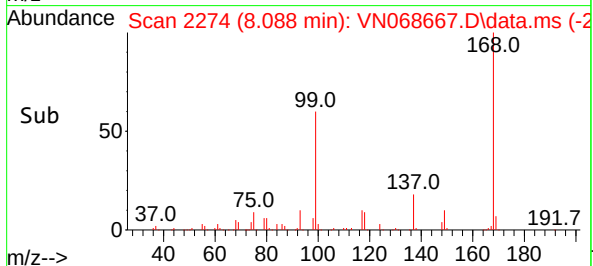
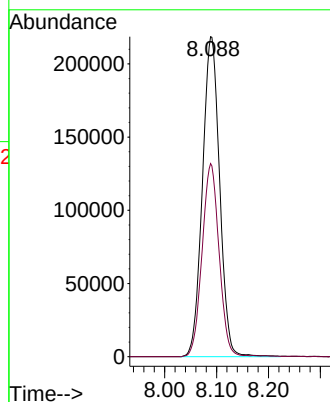
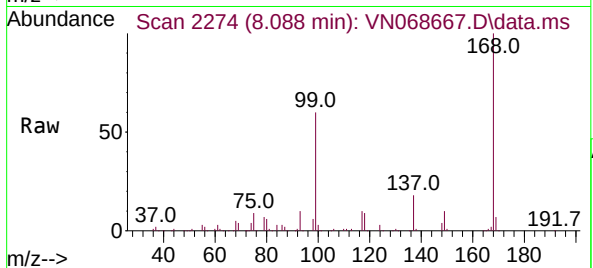
Acq: 25 Sep 2021 15:03

Tgt Ion:168 Resp: 503317

Ion Ratio Lower Upper

168 100

99 60.4 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.848 min Scan# 320

Delta R.T. 0.011 min

Lab File: VN068667.D

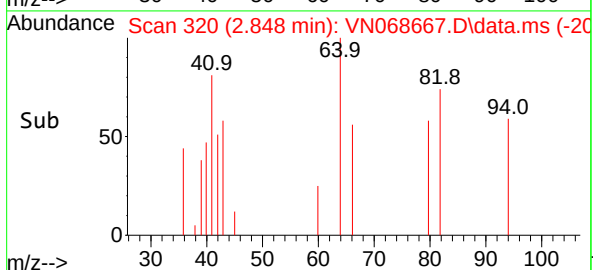
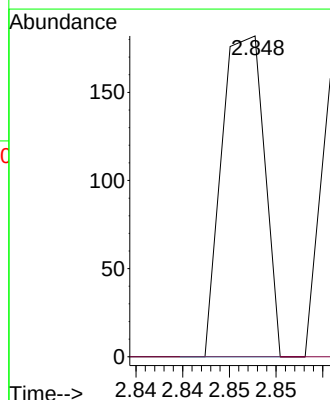
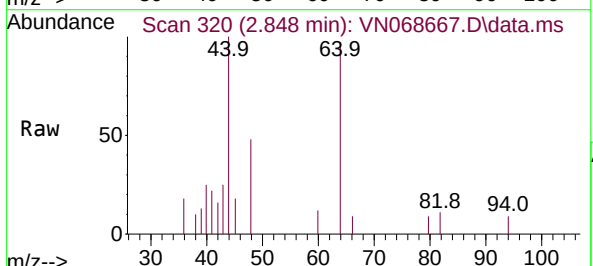
Acq: 25 Sep 2021 15:03

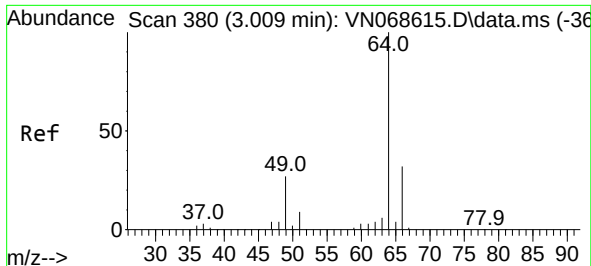
Tgt Ion: 94 Resp: 58

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

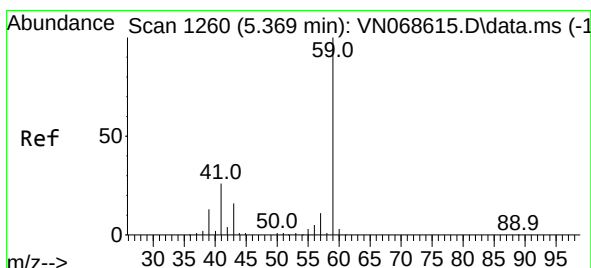
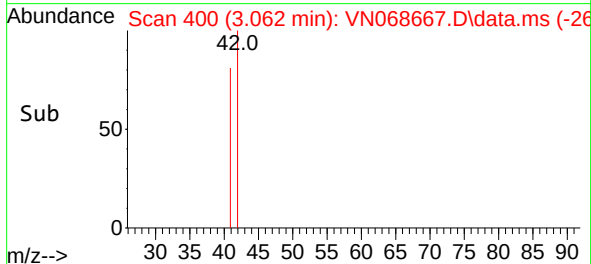
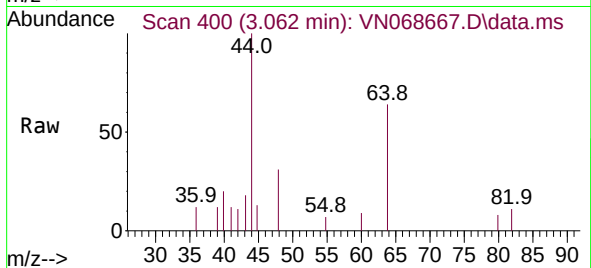




#6
Chloroethane
Concen: Below Cal
RT: 3.062 min Scan# 400
Delta R.T. 0.053 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

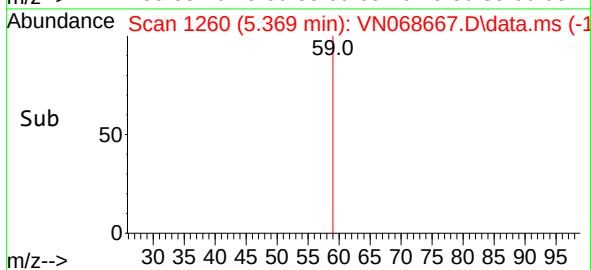
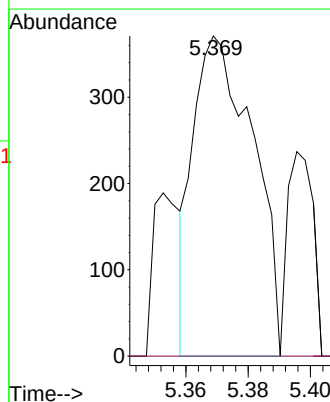
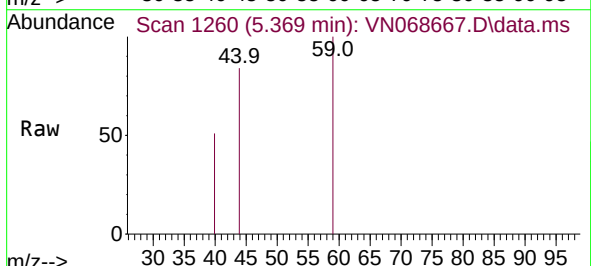
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

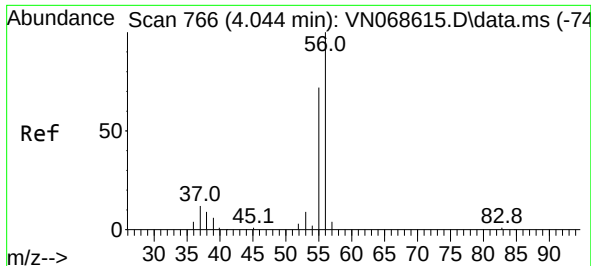
Tgt Ion: 64 Resp: 370
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

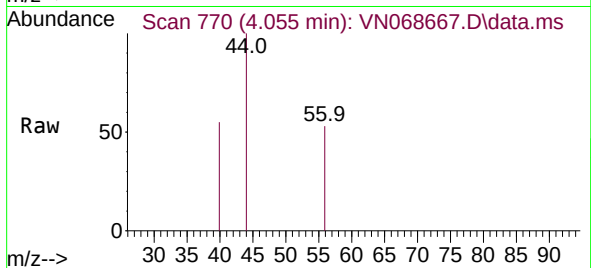
Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



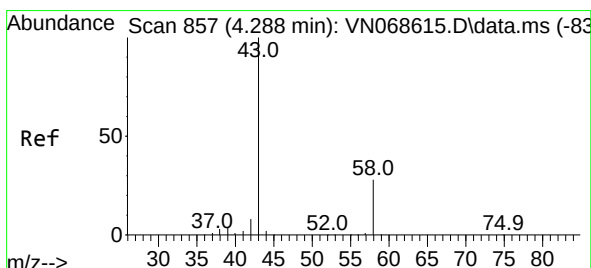
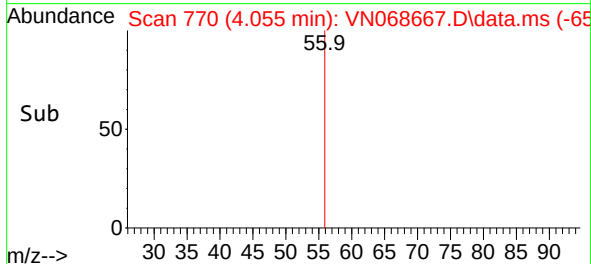
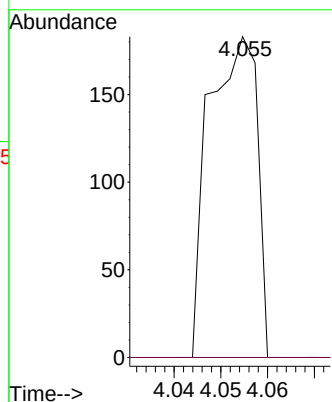


#13
Acrolein
Concen: 7.160 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.011 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

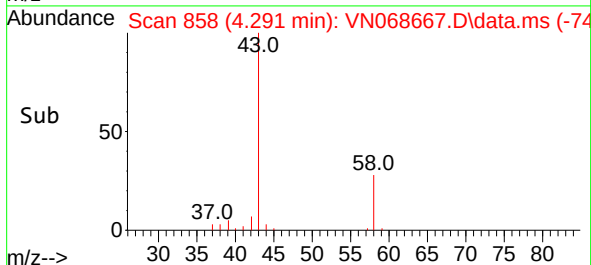
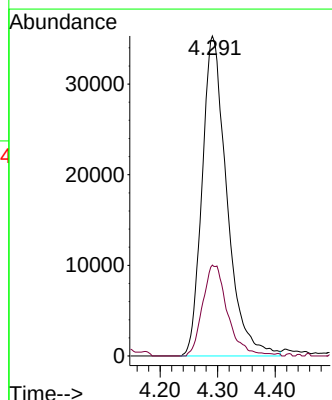
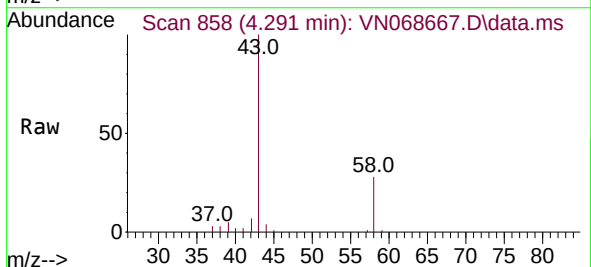


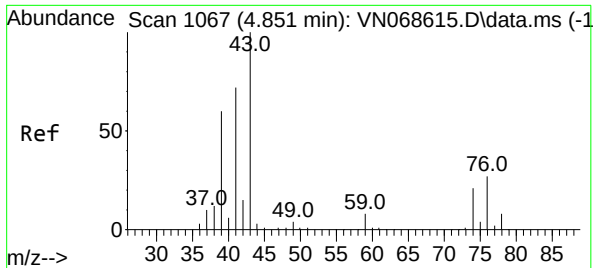
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 26.854 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 43 Resp: 105713
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8

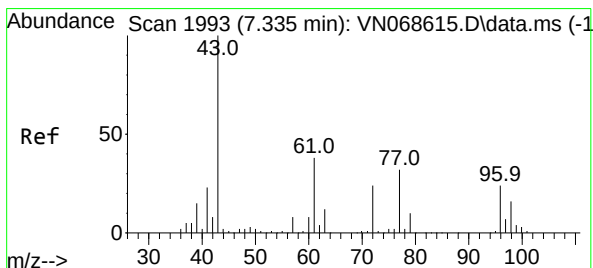
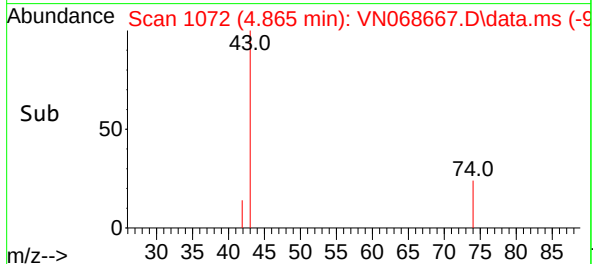
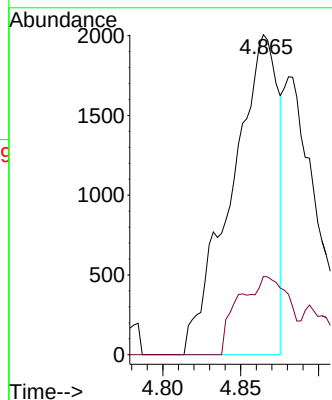
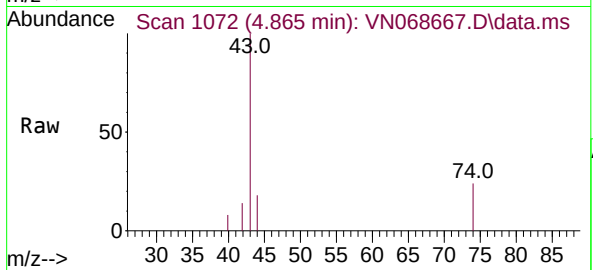




#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

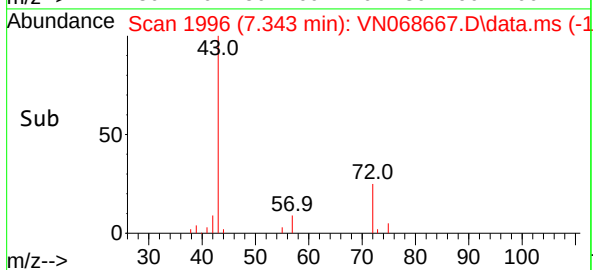
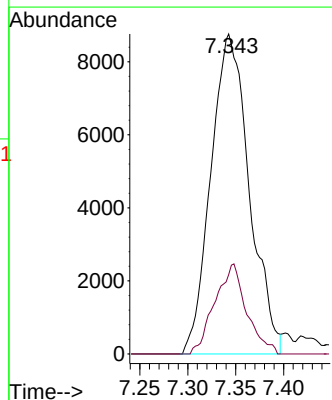
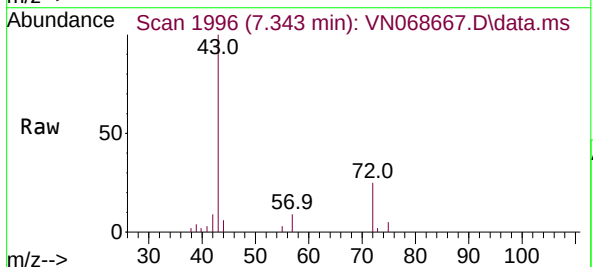
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

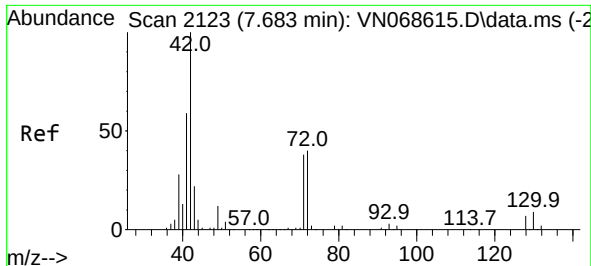
Tgt Ion: 43 Resp: 4160
Ion Ratio Lower Upper
43 100
74 15.6 17.4 26.0#



#25
2-Butanone
Concen: 5.105 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 43 Resp: 24456
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.618 ug/l

RT: 7.699 min Scan# 2129

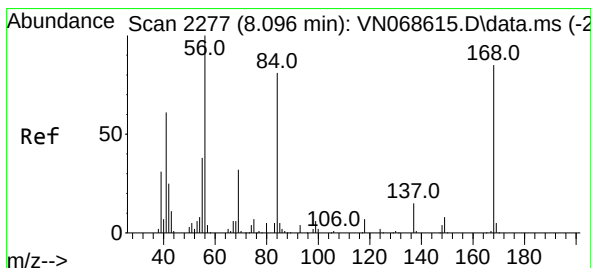
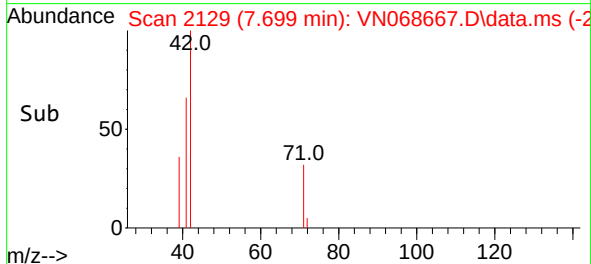
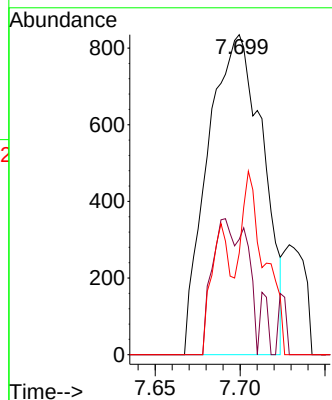
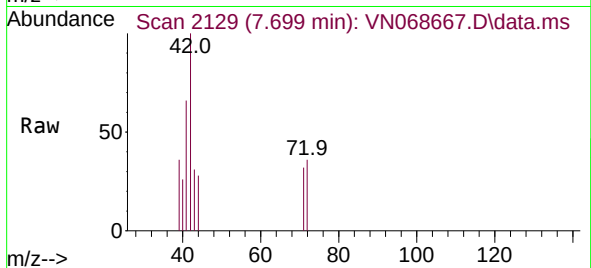
Delta R.T. 0.016 min

Lab File: VN068667.D

Acq: 25 Sep 2021 15:03

Tgt Ion:	42	Resp:	1882
Ion	Ratio	Lower	Upper
42	100		
72	2.7	32.8	49.2#
71	24.8	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03



#31

Cyclohexane

Concen: 1.156 ug/l

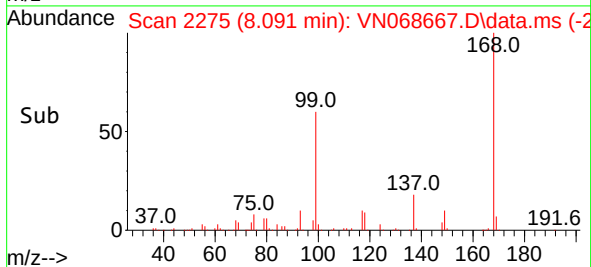
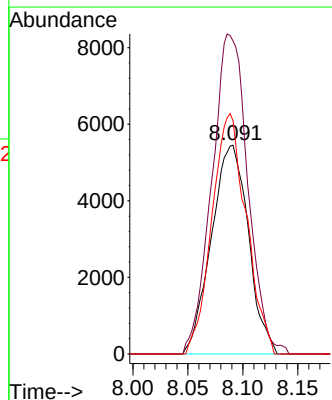
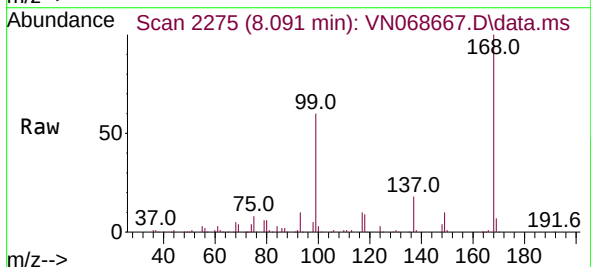
RT: 8.091 min Scan# 2275

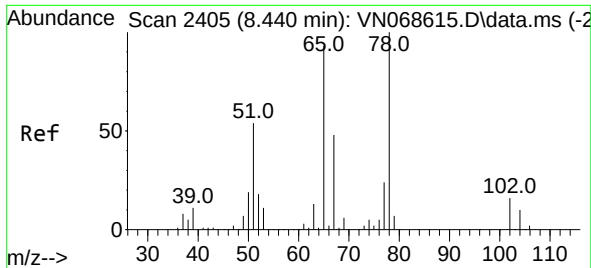
Delta R.T. -0.005 min

Lab File: VN068667.D

Acq: 25 Sep 2021 15:03

Tgt Ion:	56	Resp:	12741
Ion	Ratio	Lower	Upper
56	100		
69	150.0	27.3	40.9#
84	111.8	64.9	97.3#

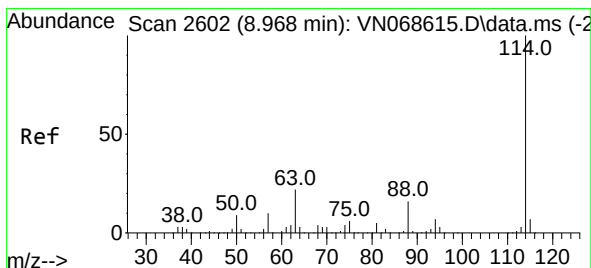
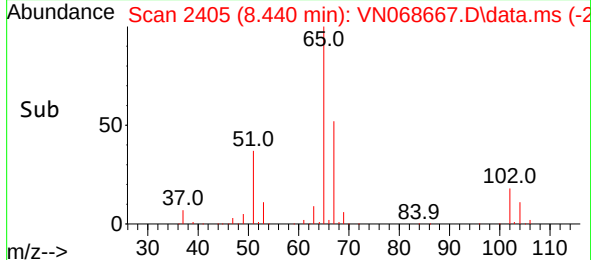
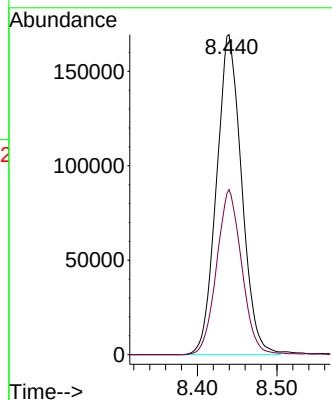
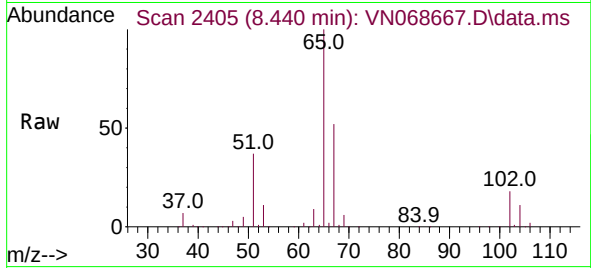




#33
 1,2-Dichloroethane-d4
 Concen: 47.340 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

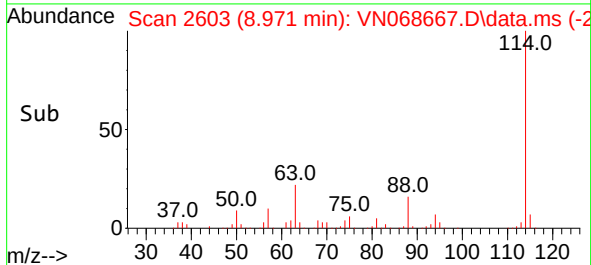
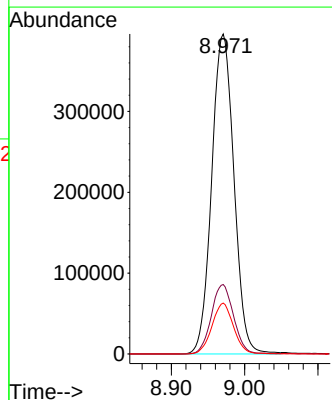
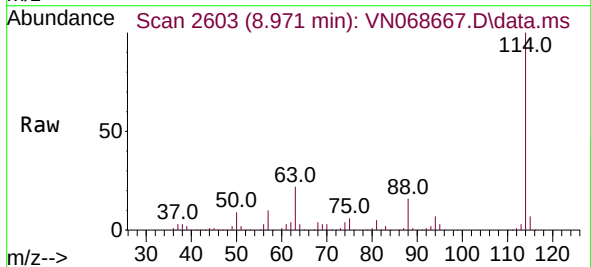
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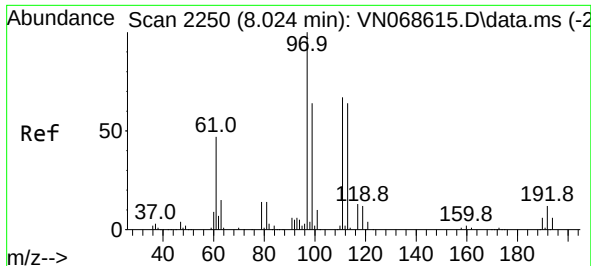
Tgt Ion: 65 Resp: 372308
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

Tgt Ion: 114 Resp: 835245
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 49.0
 88 15.9 0.0 36.6

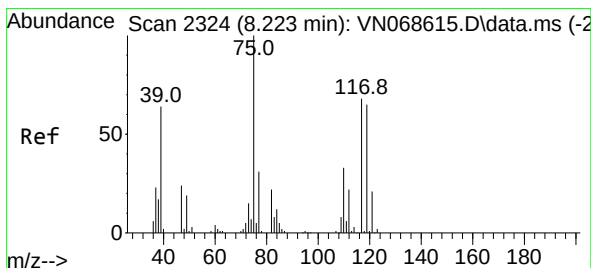
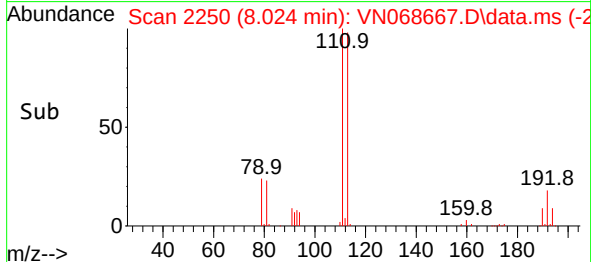
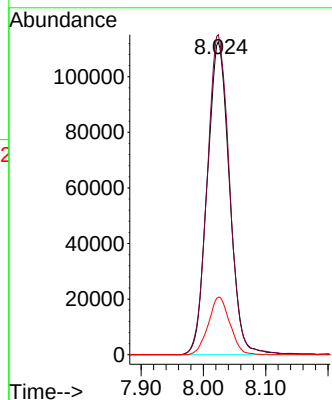
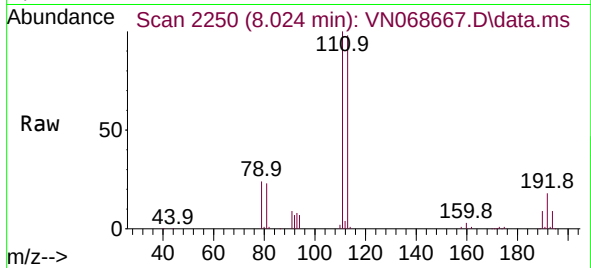




#35
Dibromofluoromethane
Concen: 49.790 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

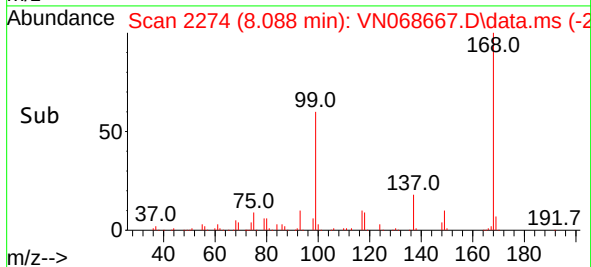
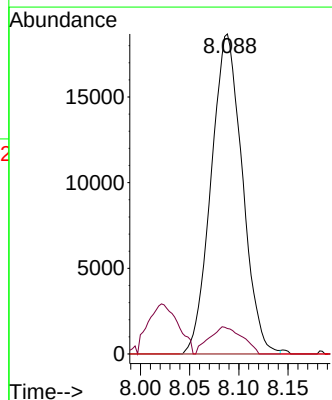
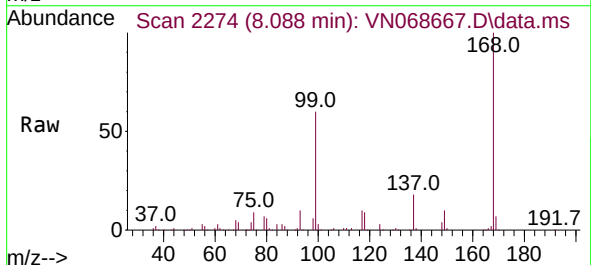
Instrument :
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PB139230ZHE#03

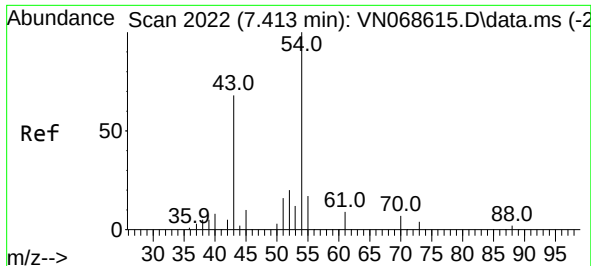
Tgt Ion:113 Resp: 278414
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.8
192 17.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.889 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

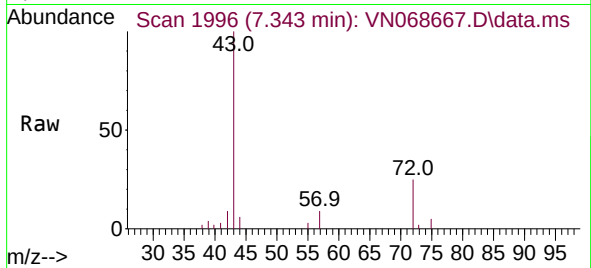
Tgt Ion: 75 Resp: 41243
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



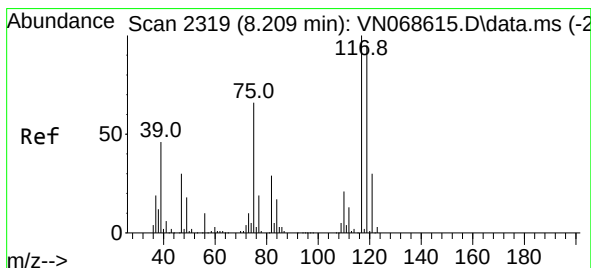
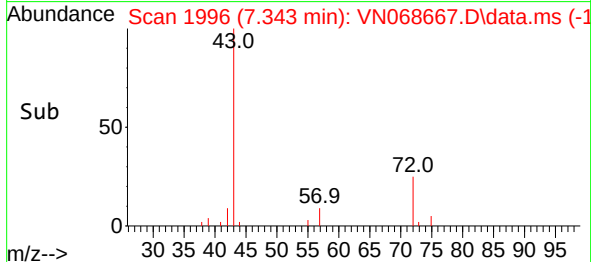
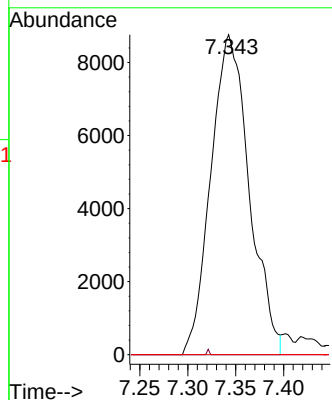


#37
Ethyl Acetate
Concen: 2.554 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.070 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

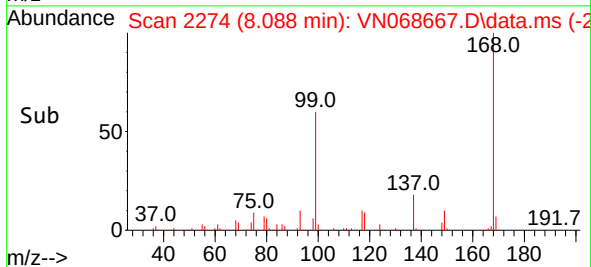
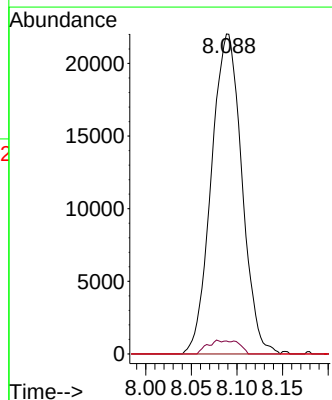
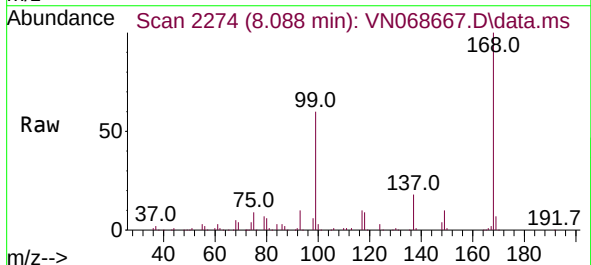


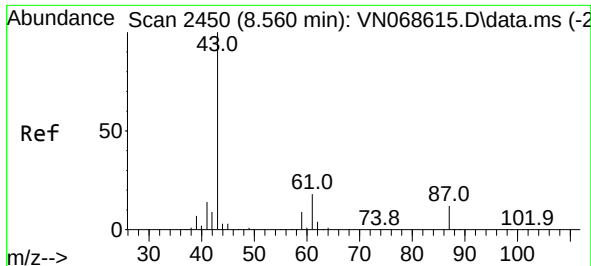
Tgt Ion:	43	Resp:	24456
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion:	117	Resp:	51262
Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.4	113.2#
121	0.0	23.5	35.3#

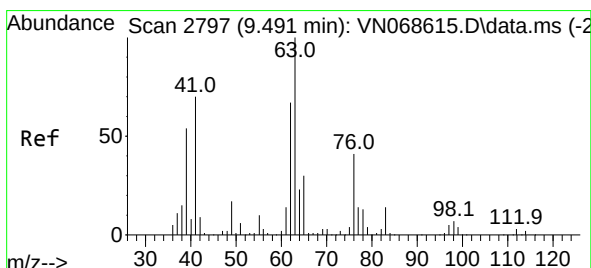
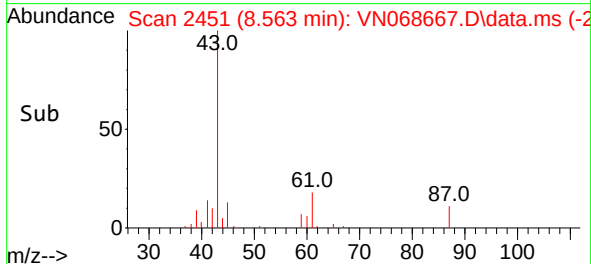
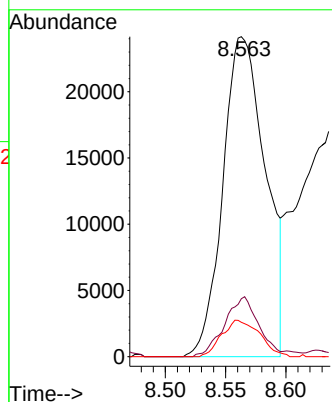
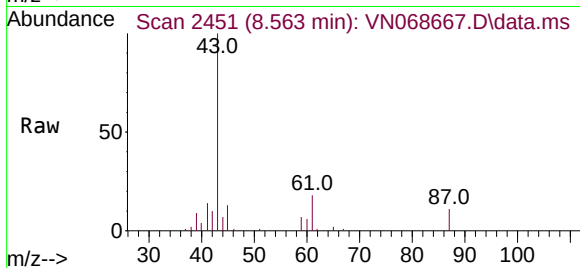




#43
Isopropyl Acetate
Concen: 3.619 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

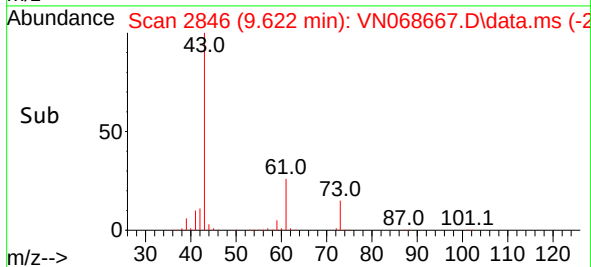
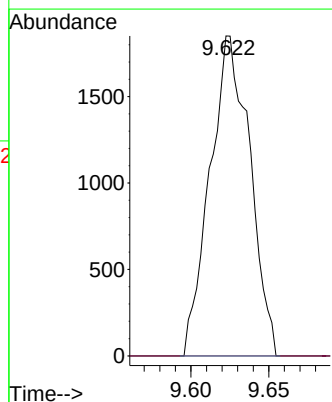
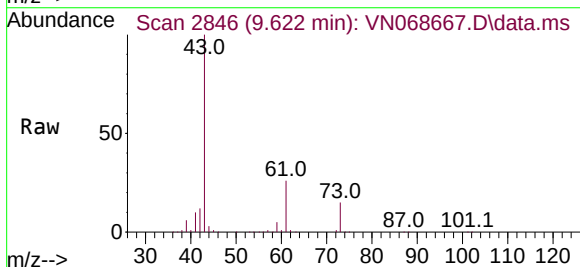
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

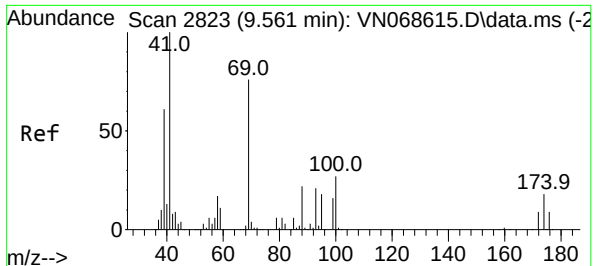
Tgt Ion: 43 Resp: 59283
Ion Ratio Lower Upper
43 100
61 15.1 19.0 28.4#
87 10.2 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.507 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 63 Resp: 3306
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#





#48

Methyl methacrylate

Concen: 1.690 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN068667.D

Acq: 25 Sep 2021 15:03

Tgt Ion: 41 Resp: 12647

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

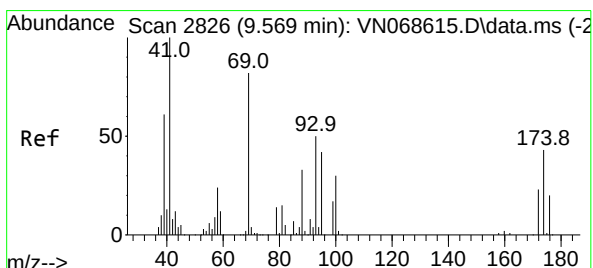
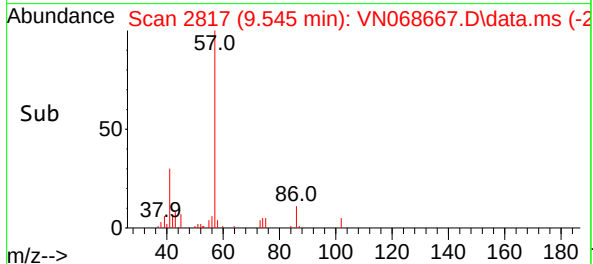
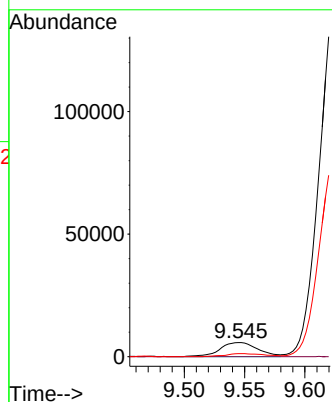
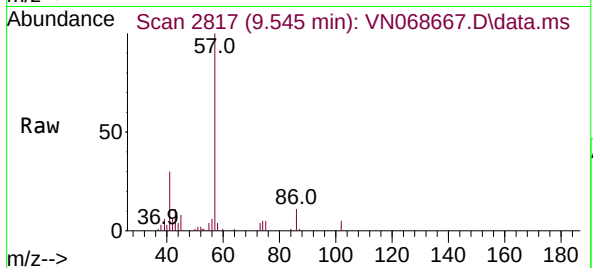
39 0.0 53.3 79.9#

Instrument :

MSVOA_N

ClientSampleId :

PB139230ZHE#03



#49

1,4-Dioxane

Concen: 2.382 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN068667.D

Acq: 25 Sep 2021 15:03

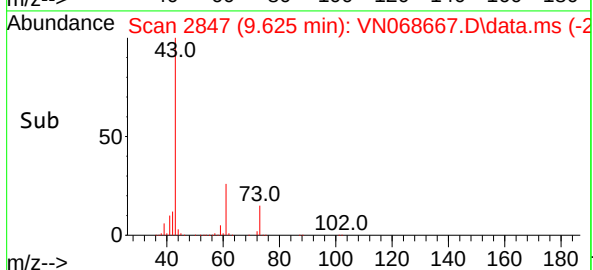
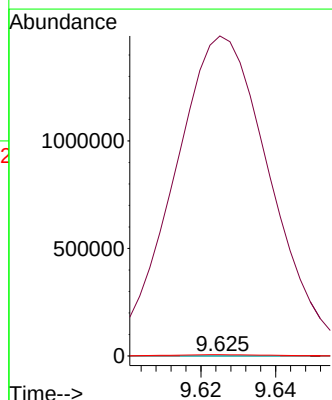
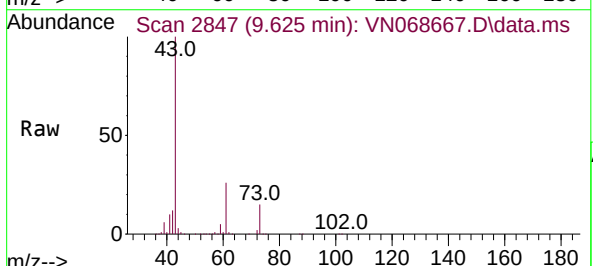
Tgt Ion: 88 Resp: 260

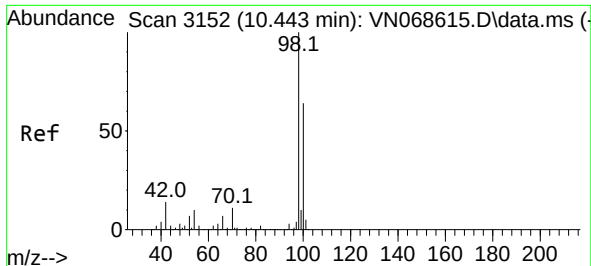
Ion Ratio Lower Upper

88 100

43 1067568.5 28.8 43.2#

58 4477.7 60.4 90.6#

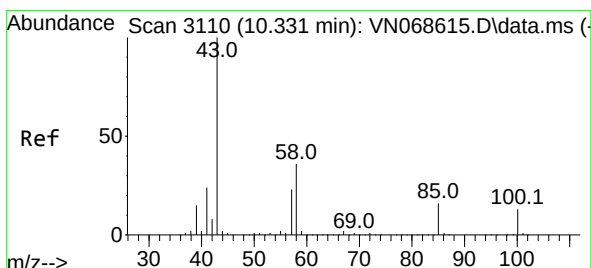
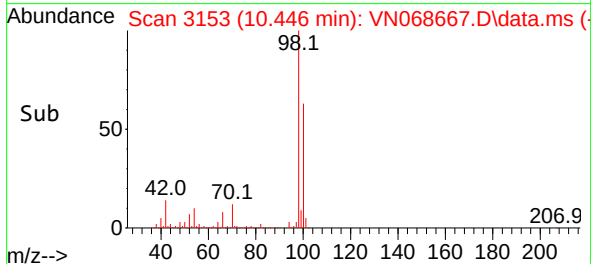
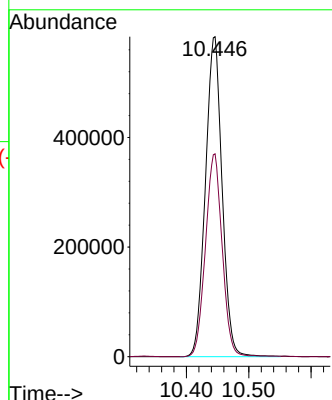
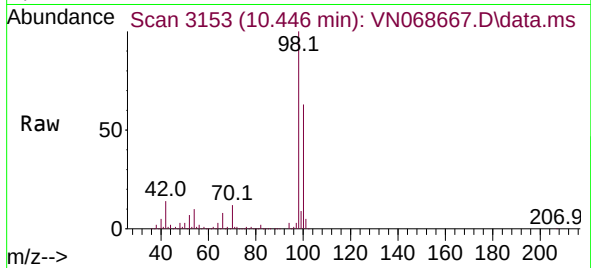




#50
Toluene-d8
Concen: 45.848 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

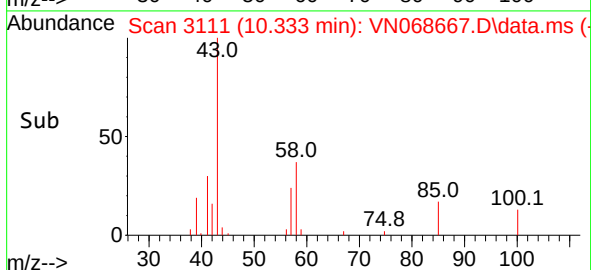
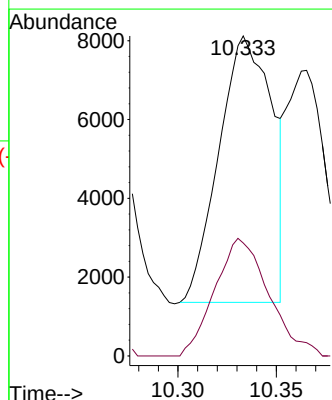
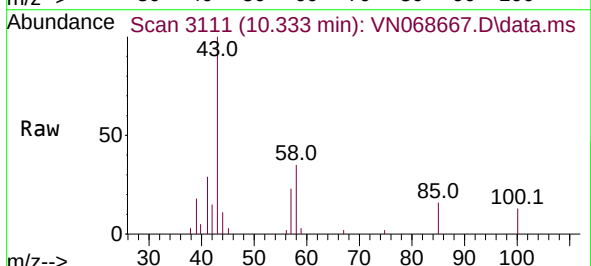
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

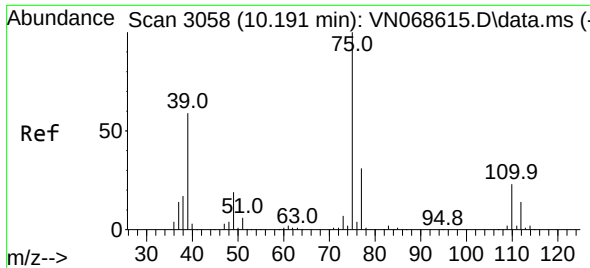
Tgt Ion: 98 Resp: 1086051
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 43 Resp: 12676
Ion Ratio Lower Upper
43 100
58 44.9 28.6 43.0#

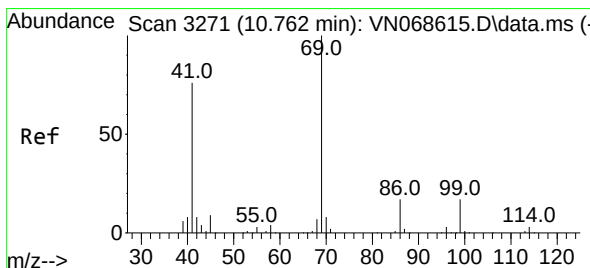
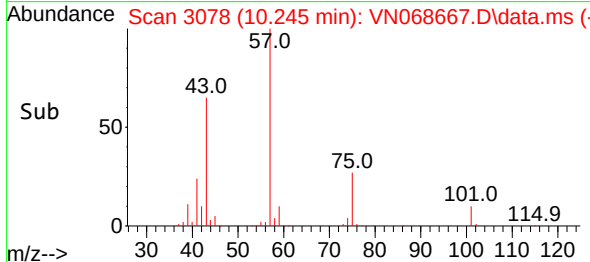
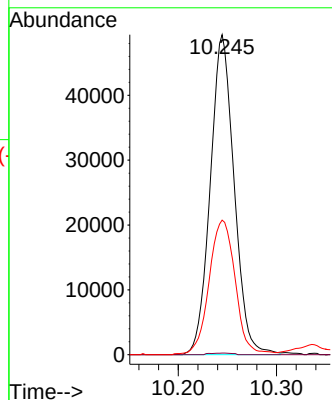
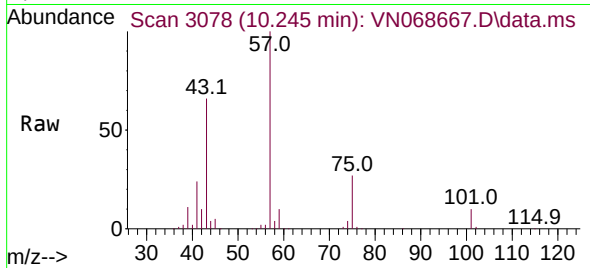




#54
 cis-1,3-Dichloropropene
 Concen: 8.093 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

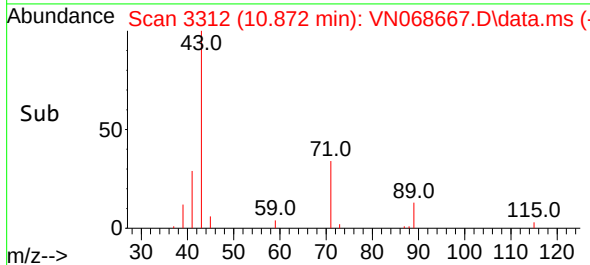
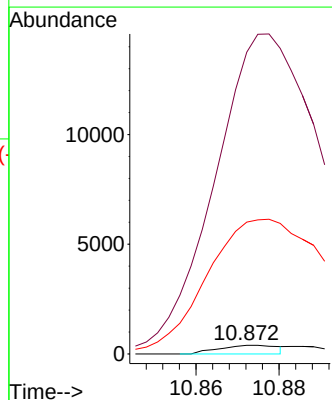
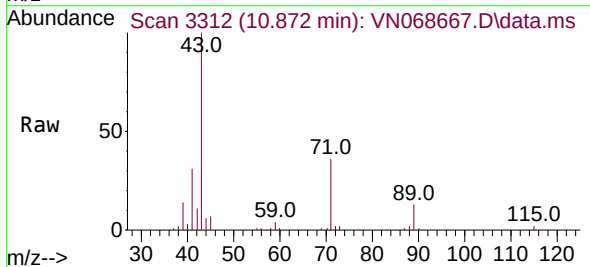
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139230ZHE#03

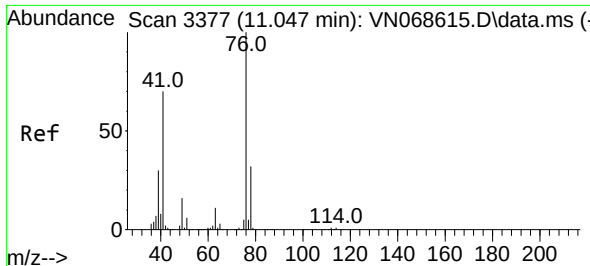
Tgt Ion: 75 Resp: 83355
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 41.7 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.741 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.110 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

Tgt Ion: 69 Resp: 390
 Ion Ratio Lower Upper
 69 100
 41 7030.5 58.6 88.0#
 39 3227.4 38.3 57.5#

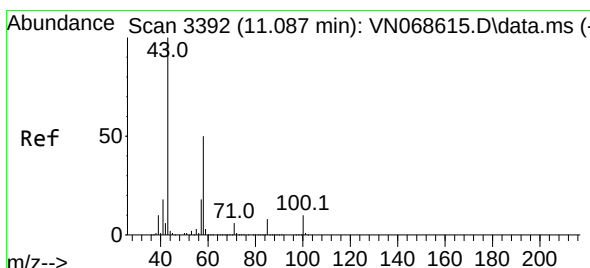
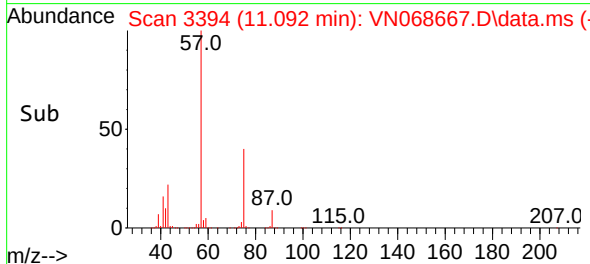
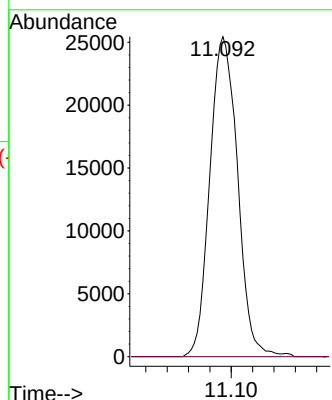
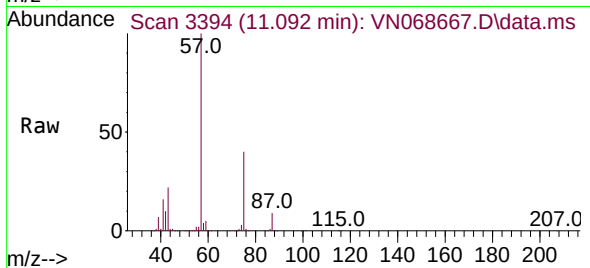




#57
1,3-Dichloropropane
Concen: 4.312 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

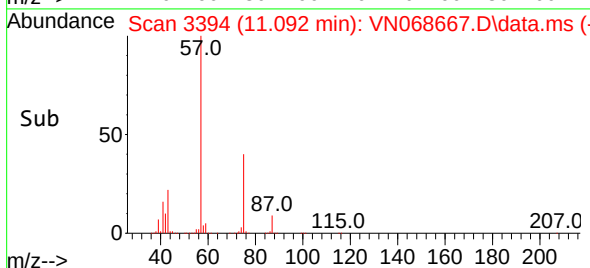
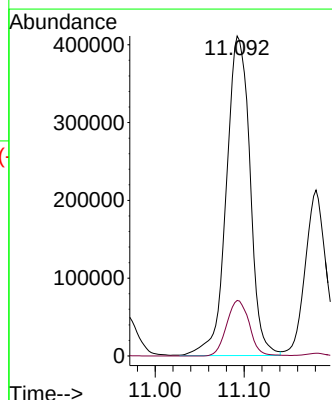
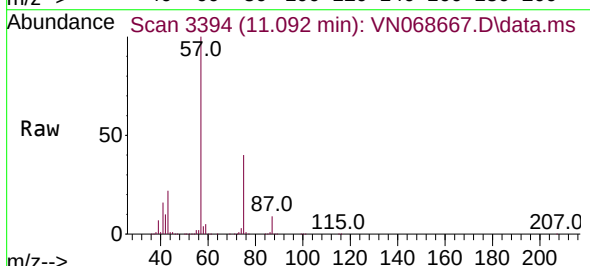
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

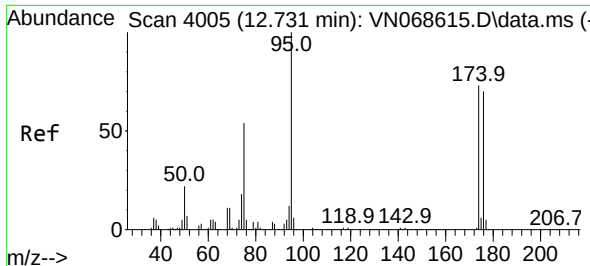
Tgt Ion: 76 Resp: 45783
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 106.540 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 43 Resp: 759079
Ion Ratio Lower Upper
43 100
58 16.7 24.7 74.1#

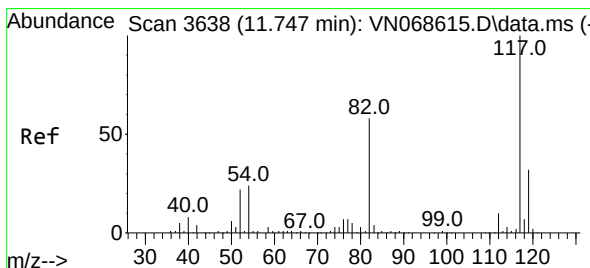
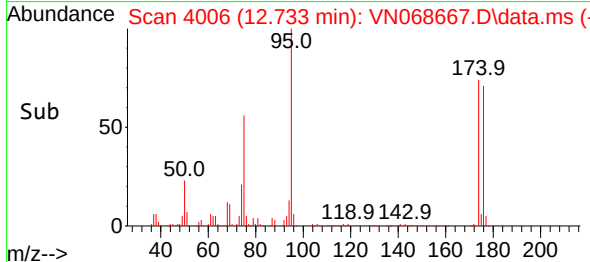
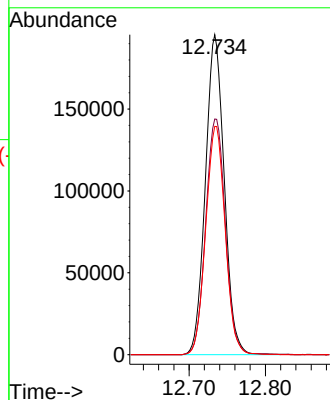
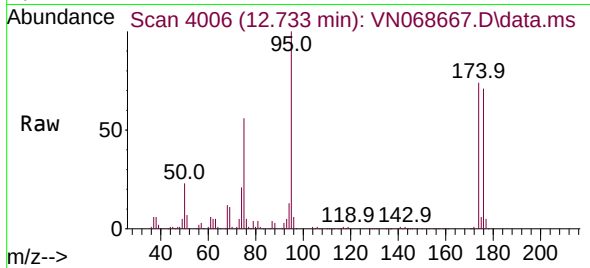




#62
4-Bromofluorobenzene
Concen: 41.375 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

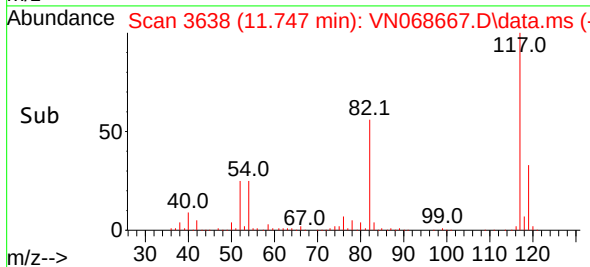
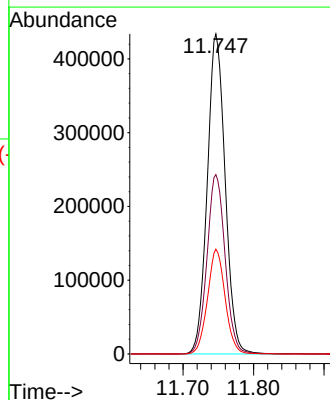
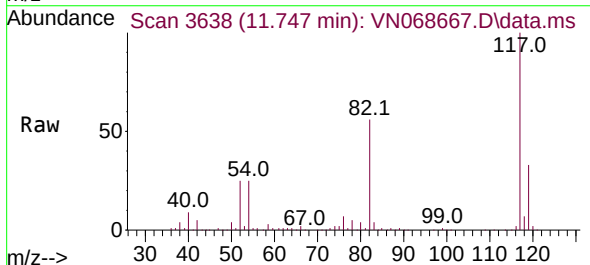
Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

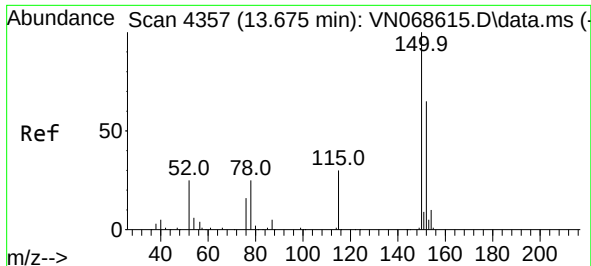
Tgt Ion:	95	Resp:	335196
Ion Ratio	Lower	Upper	
95	100		
174	76.7	0.0	122.0
176	73.6	0.0	117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion:	117	Resp:	765892
Ion Ratio	Lower	Upper	
117	100		
82	56.1	53.1	79.7
119	32.8	25.5	38.3

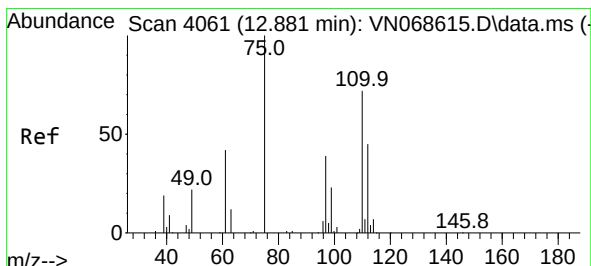
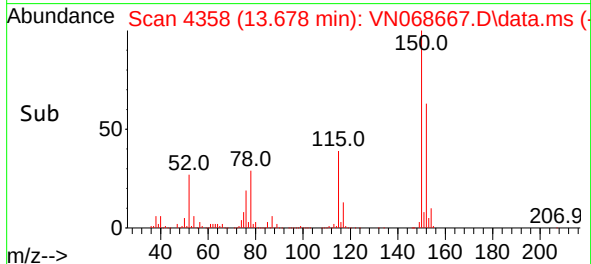
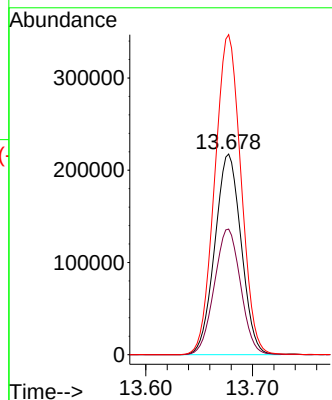
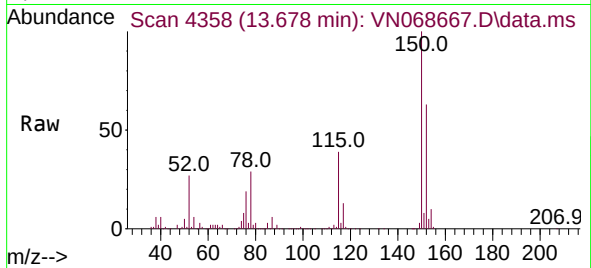




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

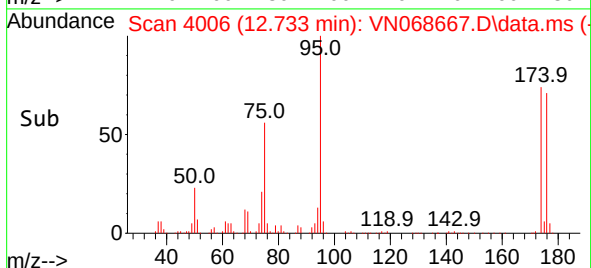
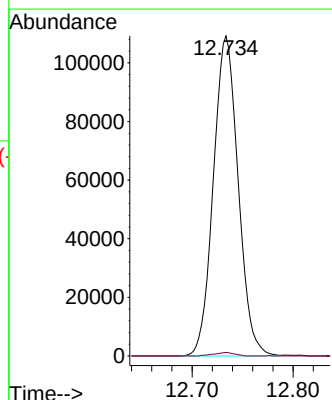
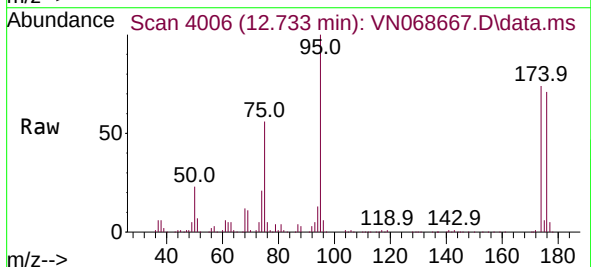
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139230ZHE#03

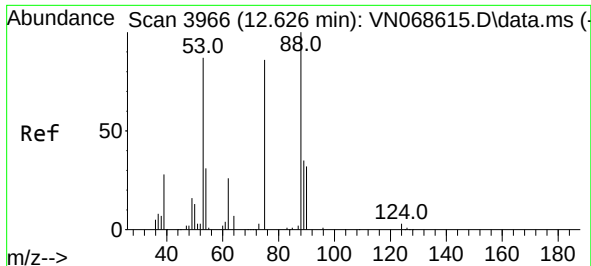
Tgt Ion:152 Resp: 373053
 Ion Ratio Lower Upper
 152 100
 115 62.6 36.1 108.5
 150 159.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 20.160 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068667.D
 Acq: 25 Sep 2021 15:03

Tgt Ion: 75 Resp: 185955
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

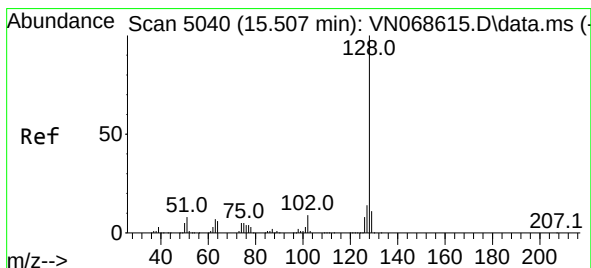
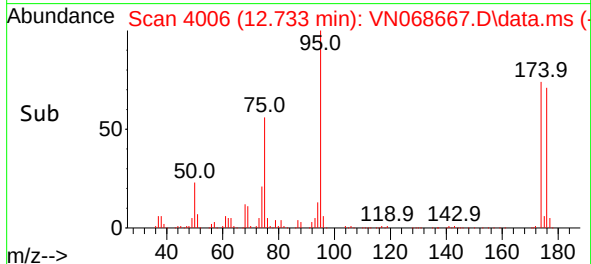
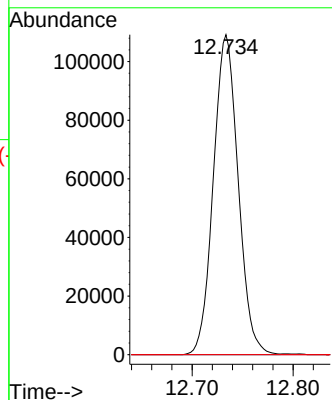
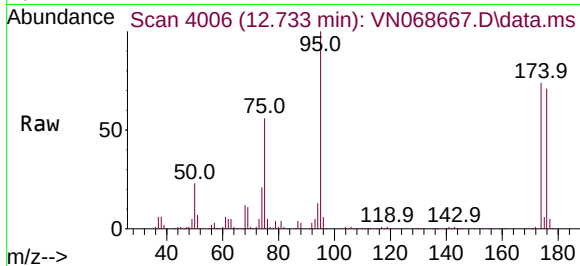




#81
trans-1,4-Dichloro-2-butene
Concen: 56.946 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :
PB139230ZHE#03

Tgt Ion: 75 Resp: 185955
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.720 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068667.D
Acq: 25 Sep 2021 15:03

Tgt Ion: 128 Resp: 2280
Ion Ratio Lower Upper
128 100
127 5.1 10.6 15.8#
129 0.0 8.6 12.8#

