

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068833.D
 Acq On : 7 Oct 2021 10:47
 Operator : JC/MD
 Sample : VN1007MBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007MBL01

Quant Time: Oct 08 05:55:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

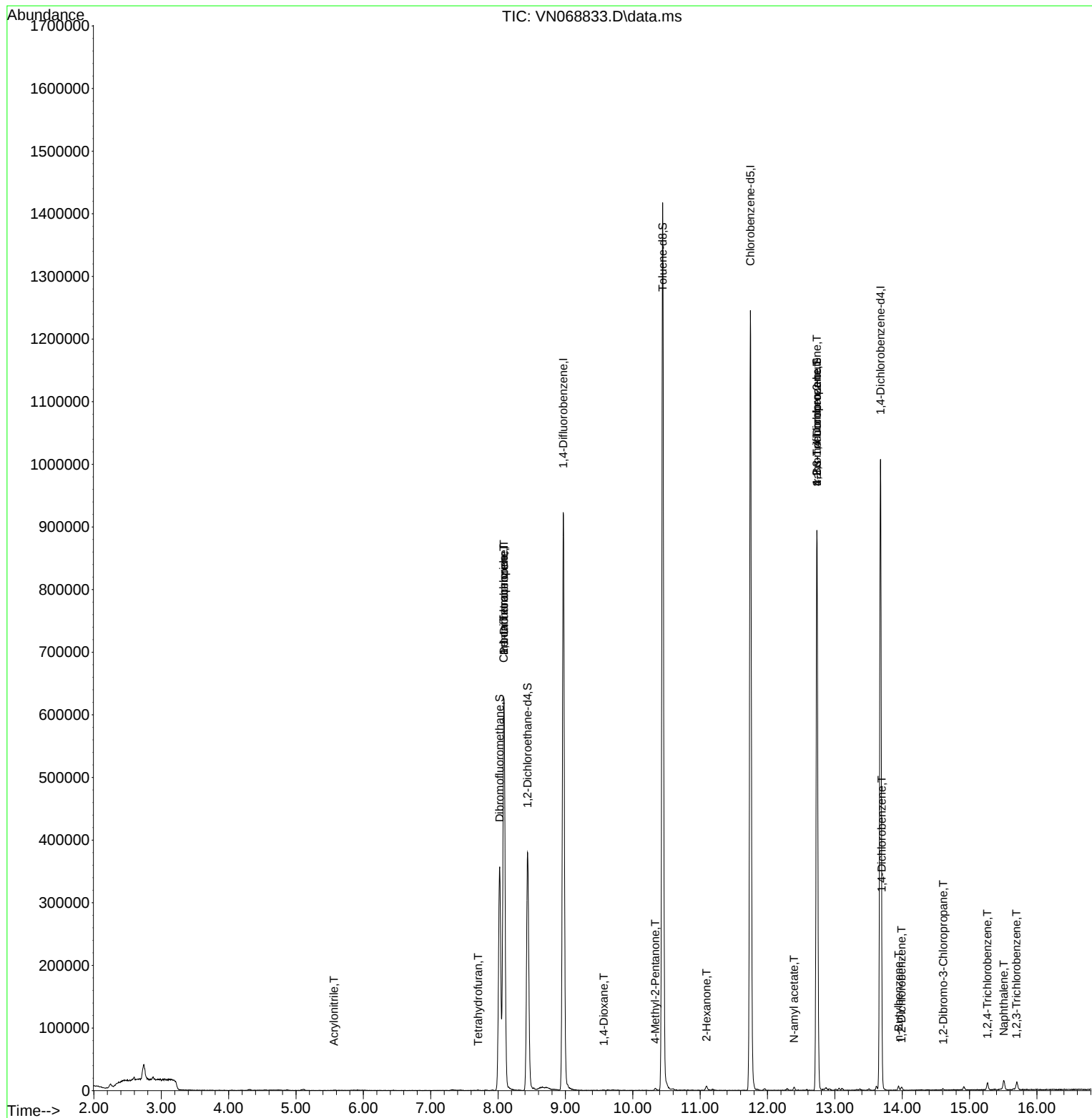
Internal Standards						
1) Pentafluorobenzene	8.088	168	455645	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	792276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	703740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	259919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	321983	48.085	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.180%		
35) Dibromofluoromethane	8.024	113	252903	48.595	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.180%		
50) Toluene-d8	10.443	98	971523	47.869	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.740%		
62) 4-Bromofluorobenzene	12.734	95	283765	38.246	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	76.500%		
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	1242	Below Cal		97
4) Vinyl Chloride	2.446	62	194	Below Cal	#	79
6) Chloroethane	3.046	64	372	Below Cal		94
15) Acrylonitrile	5.565	53	575	0.276 ug/l	#	39
16) Acetone	4.296	43	1089	Below Cal	#	48
17) Carbon Disulfide	4.535	76	723	Below Cal	#	74
20) Methylene Chloride	5.093	84	190	Below Cal	#	22
21) trans-1,2-Dichloroethene	5.610	96	61	Below Cal	#	1
29) Tetrahydrofuran	7.705	42	534	0.286 ug/l	#	35
31) Cyclohexane	8.094	56	12626	Below Cal	#	45
36) 1,1-Dichloropropene	8.088	75	39695	6.338 ug/l	#	52
38) Carbon Tetrachloride	8.083	117	51560	6.835 ug/l	#	17
49) 1,4-Dioxane	9.572	88	27	0.267 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.336	43	3032	0.438 ug/l	#	83
59) 2-Hexanone	11.095	43	4997	1.001 ug/l		93
74) N-amyl acetate	12.393	43	3090	0.445 ug/l	#	86
76) 1,2,3-Trichloropropane	12.734	75	165960	32.391 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.734	75	165960	93.836 ug/l	#	6
88) 1,4-Dichlorobenzene	13.696	146	2965	0.342 ug/l	#	51
89) n-Butylbenzene	13.946	91	3808	0.261 ug/l		97
91) 1,2-Dichlorobenzene	13.991	146	2324	0.275 ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.608	75	396	0.375 ug/l		74
93) 1,2,4-Trichlorobenzene	15.265	180	3841	0.994 ug/l		96
95) Naphthalene	15.507	128	14480	1.404 ug/l		98
96) 1,2,3-Trichlorobenzene	15.697	180	4758	1.131 ug/l		94

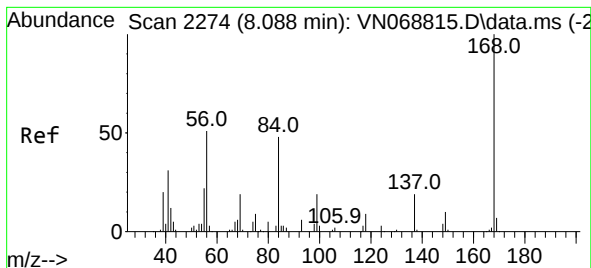
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 06 14:41:09 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

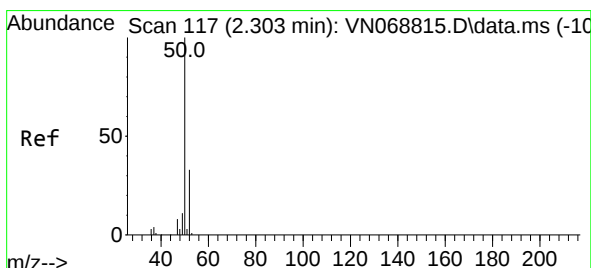
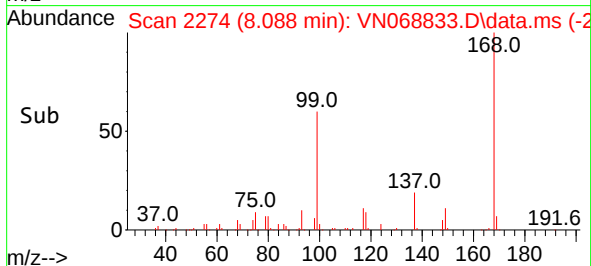
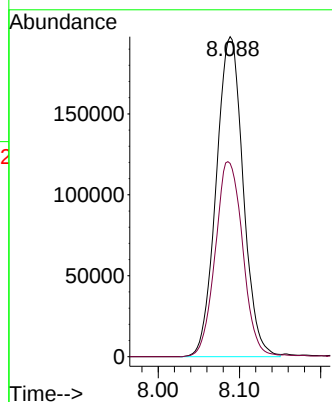
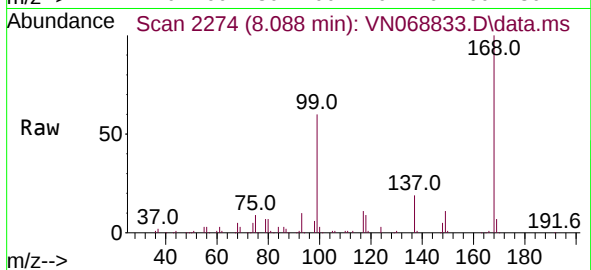
Lab File: VN068833.D

Acq: 7 Oct 2021 10:47

Tgt Ion:168 Resp: 455645

Ion Ratio Lower Upper

168 100
99 60.4 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. 0.003 min

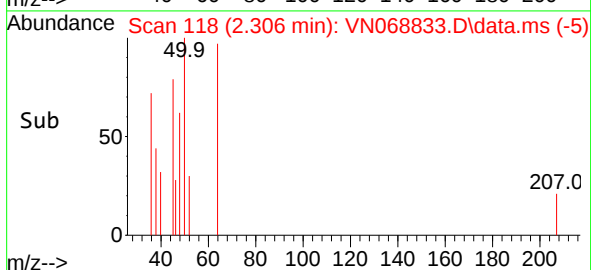
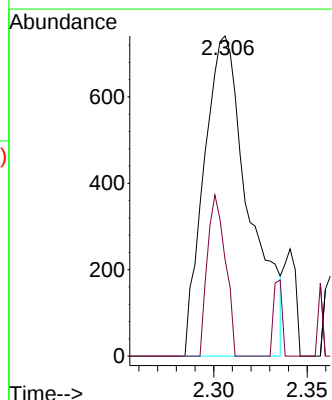
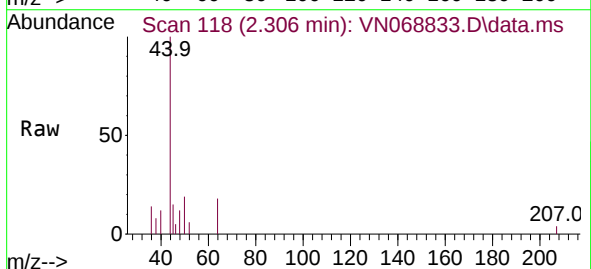
Lab File: VN068833.D

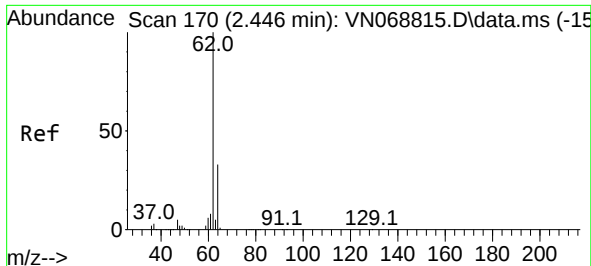
Acq: 7 Oct 2021 10:47

Tgt Ion: 50 Resp: 1242

Ion Ratio Lower Upper

50 100
52 30.2 25.6 38.4

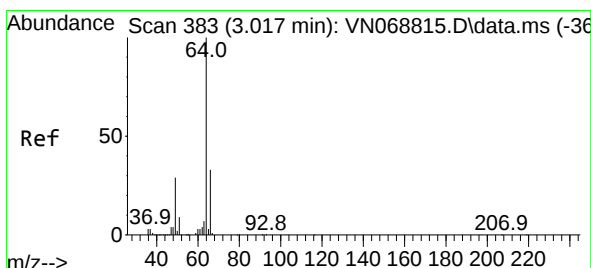
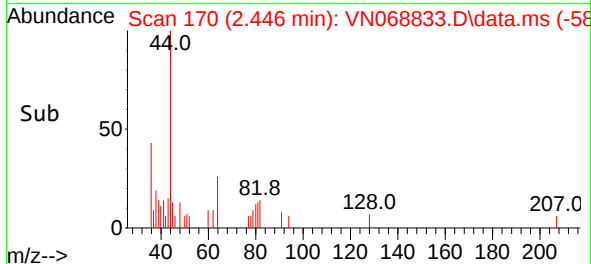
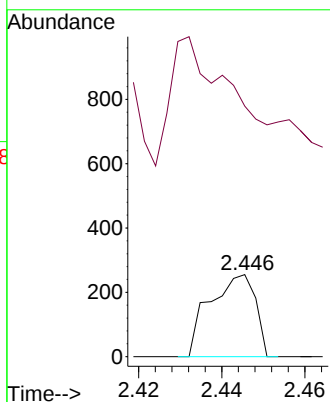
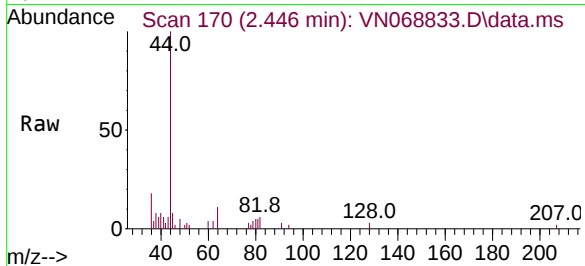




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.446 min Scan# 170
 Delta R.T. -0.000 min
 Lab File: VN068833.D
 Acq: 7 Oct 2021 10:47

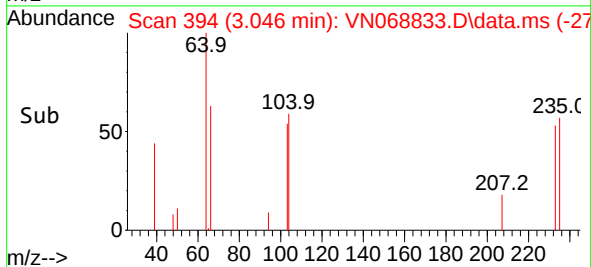
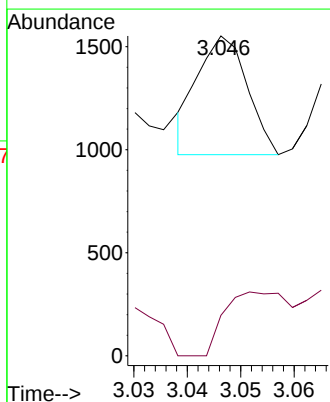
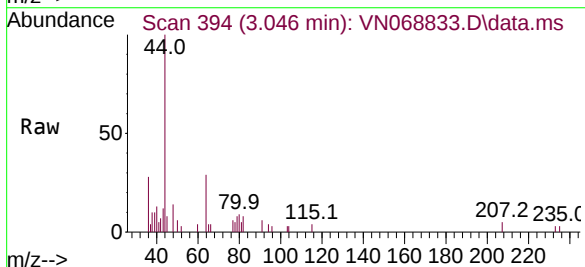
Instrument :
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 VN1007MBL01

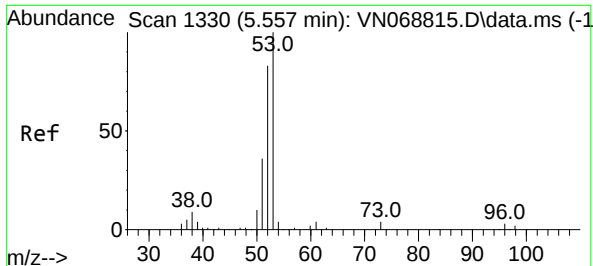
Tgt Ion: 62 Resp: 194
 Ion Ratio Lower Upper
 62 100
 64 19.2 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.046 min Scan# 394
 Delta R.T. 0.029 min
 Lab File: VN068833.D
 Acq: 7 Oct 2021 10:47

Tgt Ion: 64 Resp: 372
 Ion Ratio Lower Upper
 64 100
 66 34.2 24.7 37.1





#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 5.565 min Scan# 1333

Delta R.T. 0.008 min

Lab File: VN068833.D

Acq: 7 Oct 2021 10:47

Tgt Ion: 53 Resp: 575

Ion Ratio Lower Upper

53 100

52 25.4 66.2 99.2#

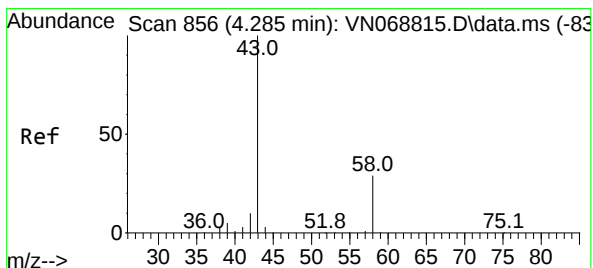
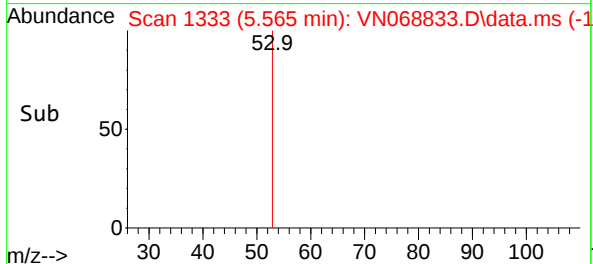
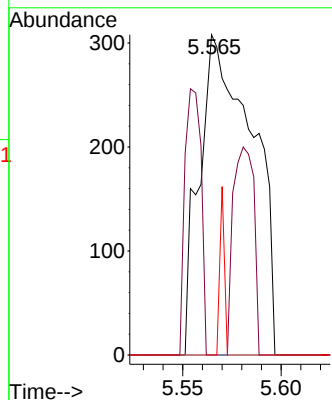
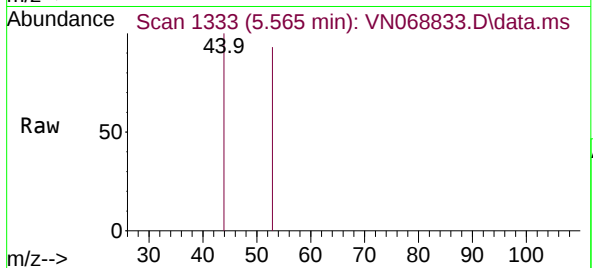
51 4.5 30.2 45.4#

Instrument :

MSVOA_N

ClientSampleId :

VN1007MBL01



#16

Acetone

Concen: Below Cal

RT: 4.296 min Scan# 860

Delta R.T. 0.011 min

Lab File: VN068833.D

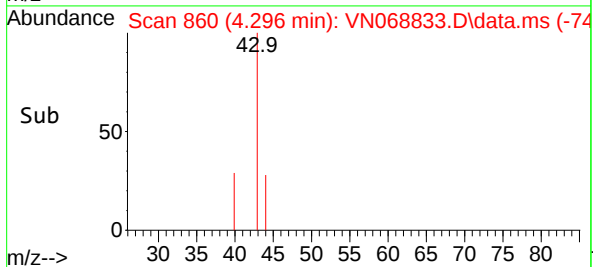
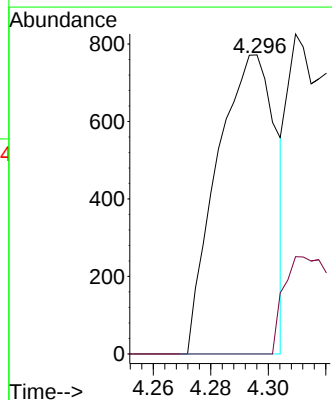
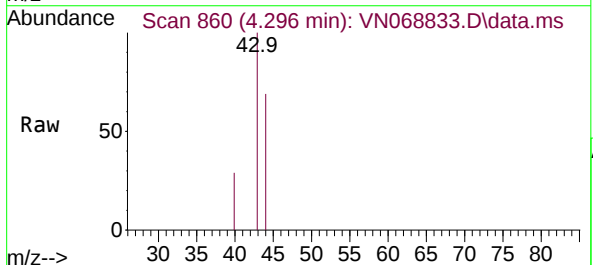
Acq: 7 Oct 2021 10:47

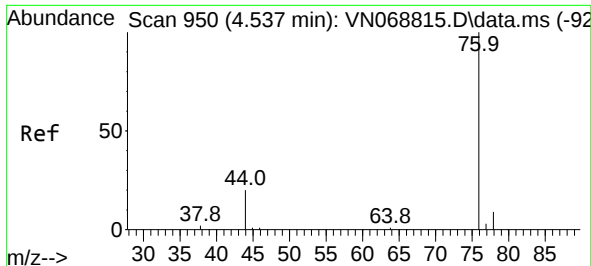
Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#

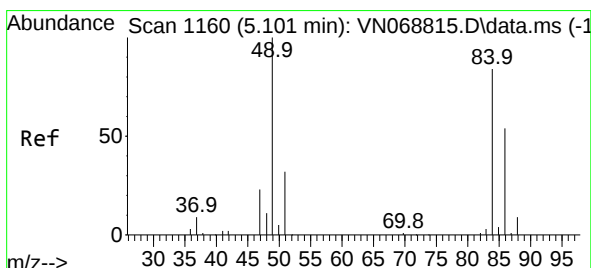
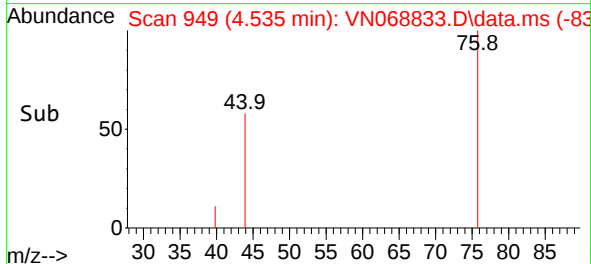
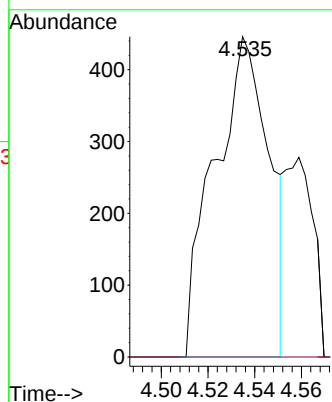
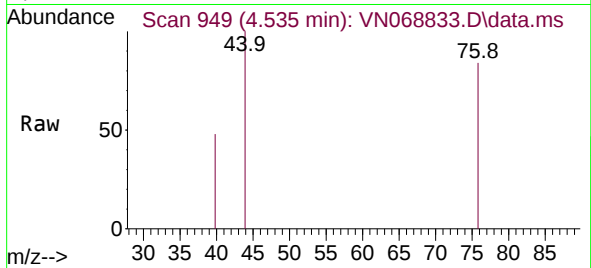




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.535 min Scan# 949
Delta R.T. -0.002 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

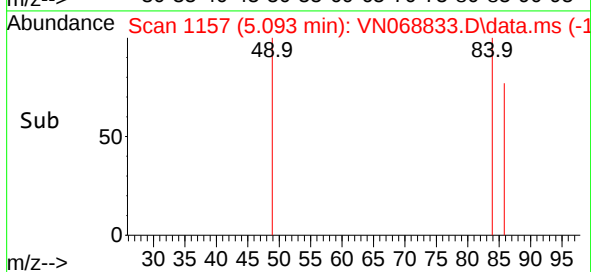
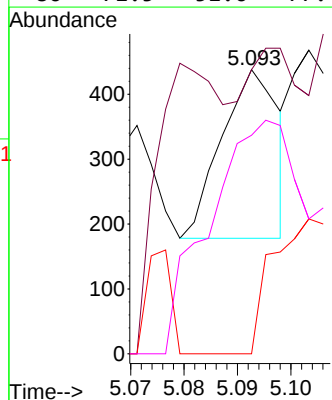
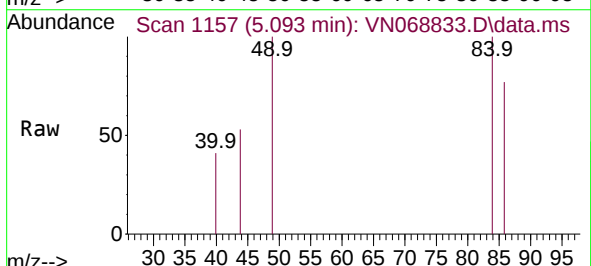
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

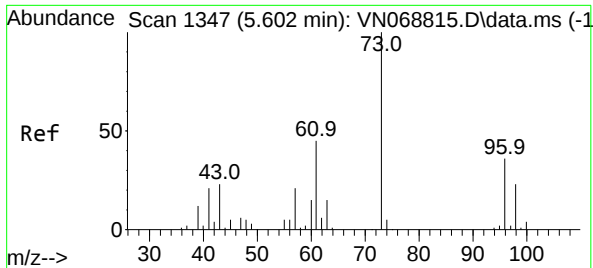
Tgt Ion: 76 Resp: 723
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.008 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

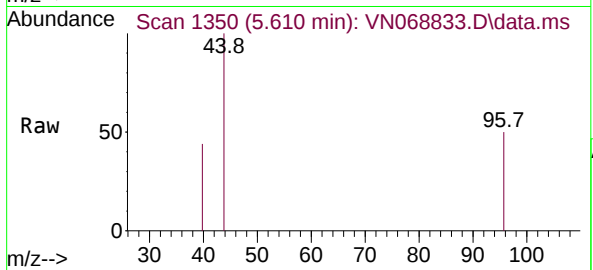
Tgt Ion: 84 Resp: 190
Ion Ratio Lower Upper
84 100
49 0.0 110.9 166.3#
51 0.0 32.6 49.0#
86 71.5 51.6 77.4



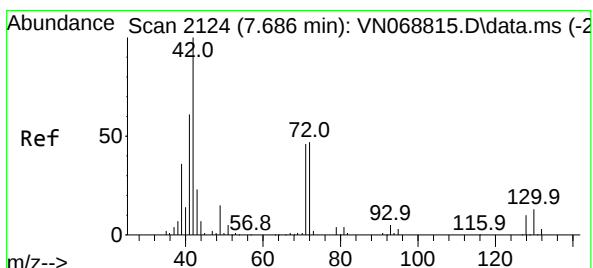
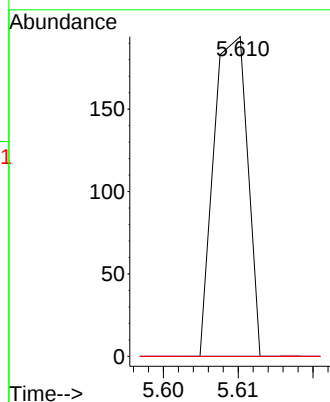
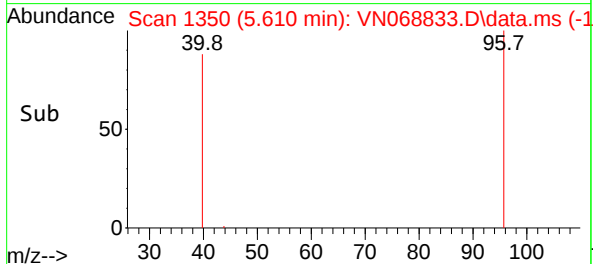


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.610 min Scan# 1350
Delta R.T. 0.008 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

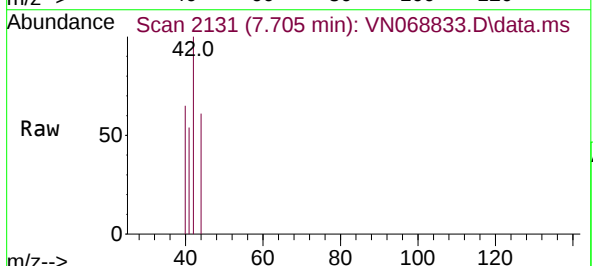
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01



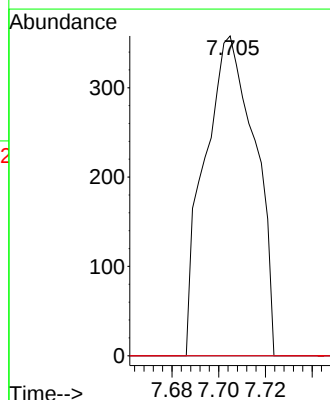
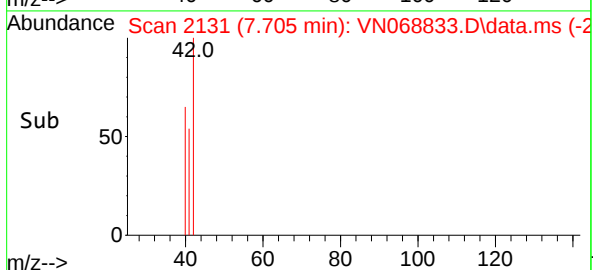
Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 123.5 185.3#
98 0.0 48.6 72.8#

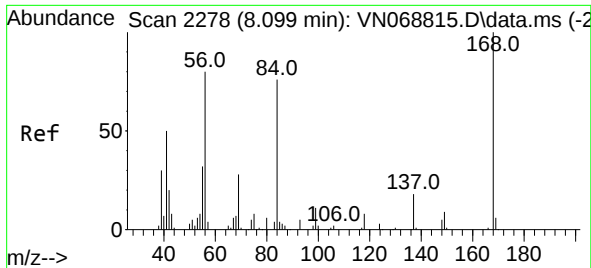


#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.019 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47



Tgt Ion: 42 Resp: 534
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.2 46.8#

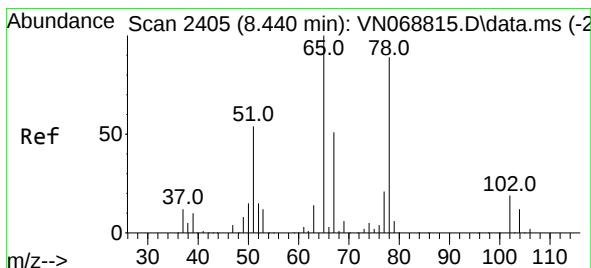
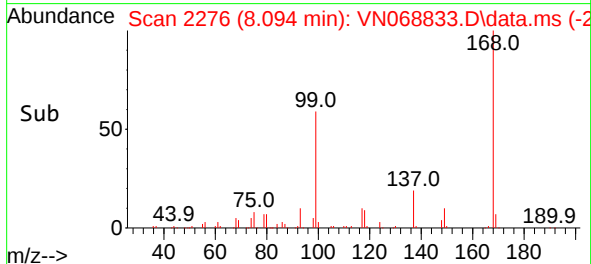
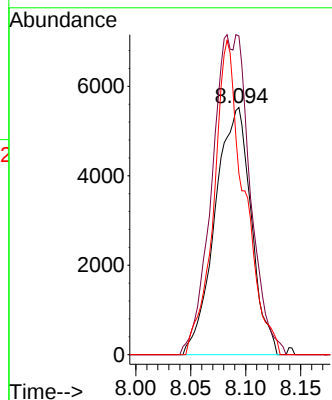
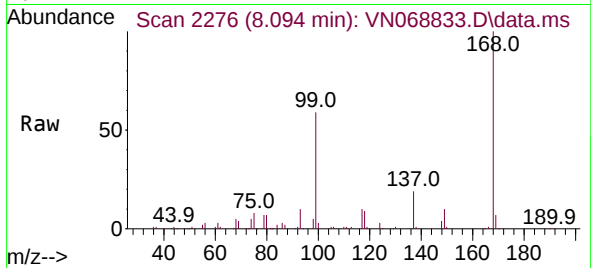




#31
Cyclohexane
Concen: Below Cal
RT: 8.094 min Scan# 2276
Delta R.T. -0.005 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

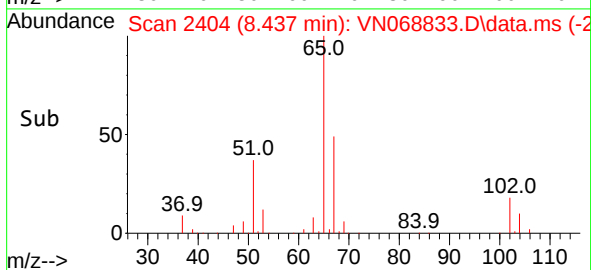
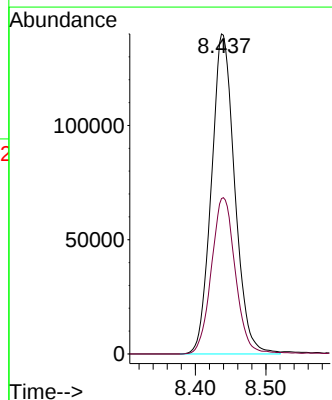
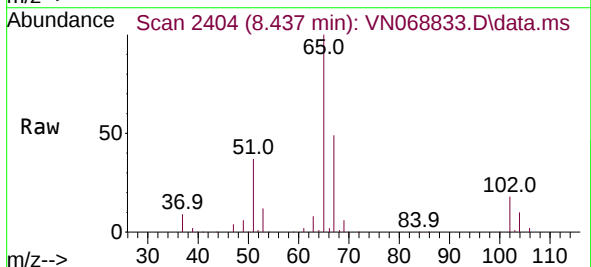
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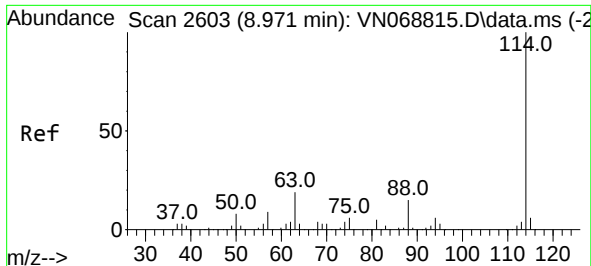
Tgt Ion: 56 Resp: 12626
Ion Ratio Lower Upper
56 100
69 128.9 27.3 40.9#
84 73.2 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 48.085 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 65 Resp: 321983
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

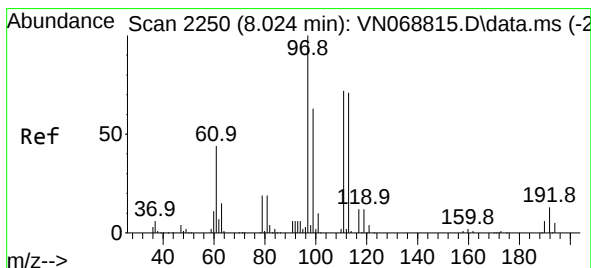
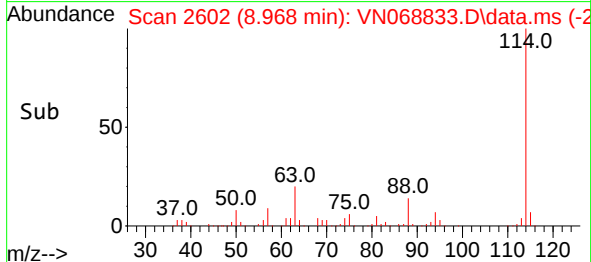
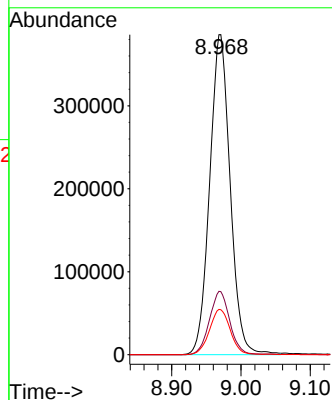
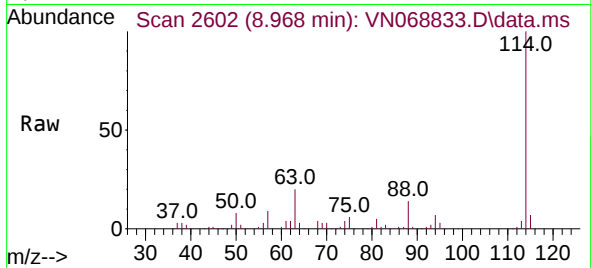




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

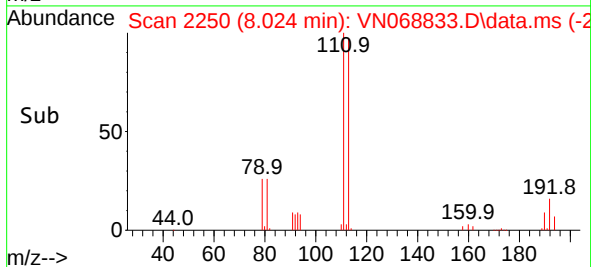
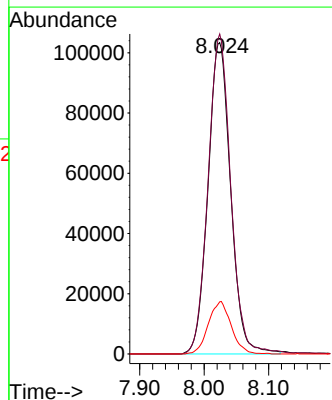
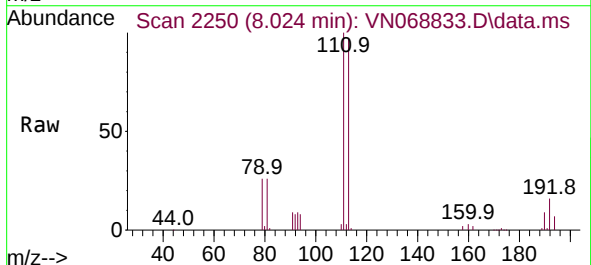
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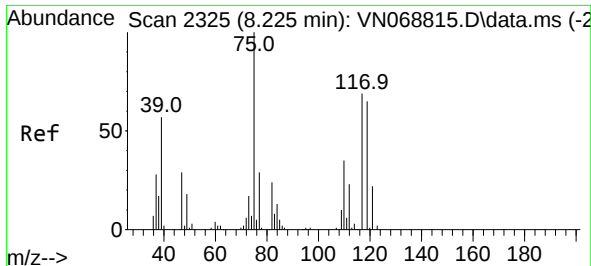
Tgt Ion:114 Resp: 792276
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.595 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion:113 Resp: 252903
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 17.0 13.4 20.0

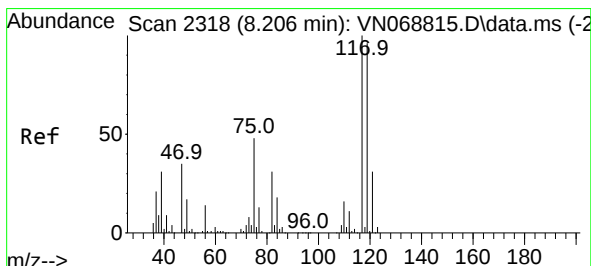
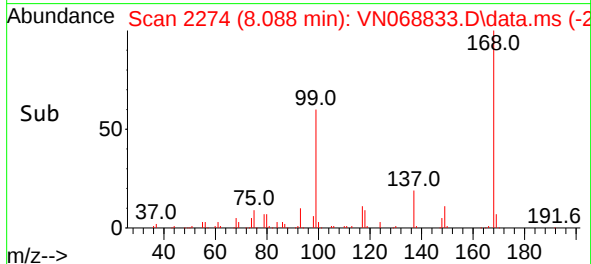
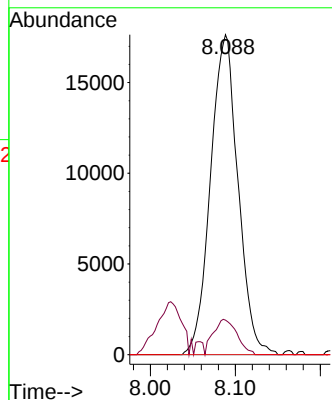
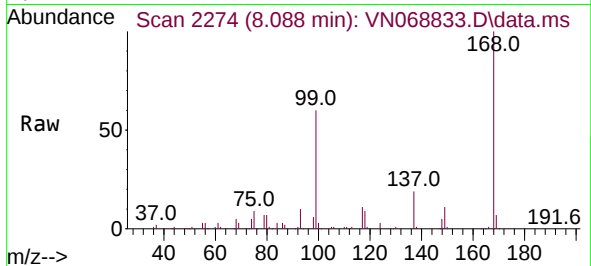




#36
 1,1-Dichloropropene
 Concen: 6.338 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.137 min
 Lab File: VN068833.D
 Acq: 7 Oct 2021 10:47

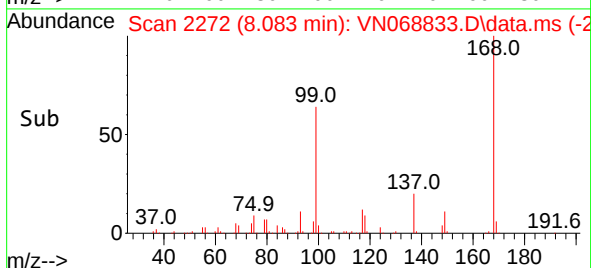
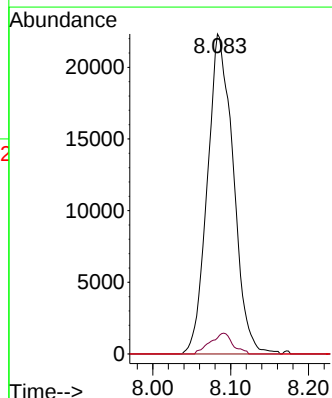
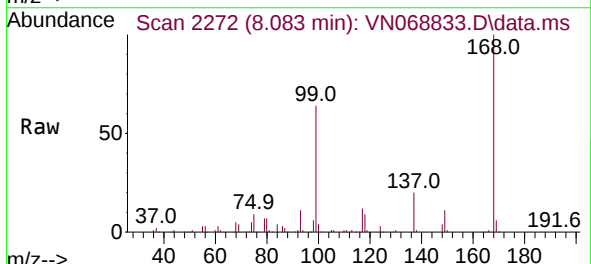
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007MBL01

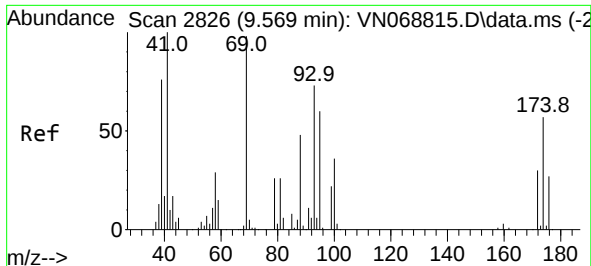
Tgt Ion: 75 Resp: 39695
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.835 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.123 min
 Lab File: VN068833.D
 Acq: 7 Oct 2021 10:47

Tgt Ion: 117 Resp: 51560
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.4 113.2#
 121 0.0 23.5 35.3#

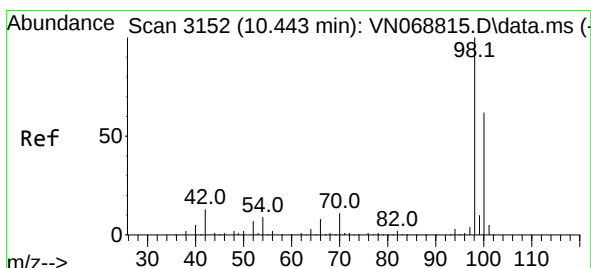
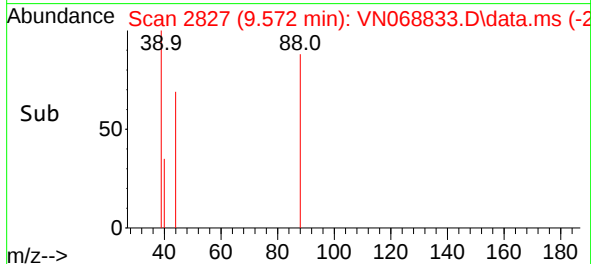
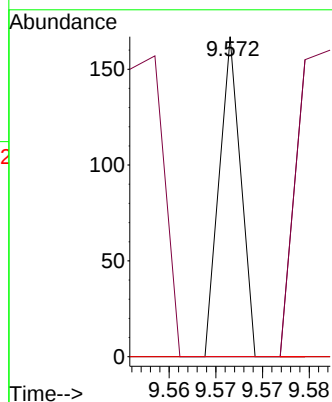
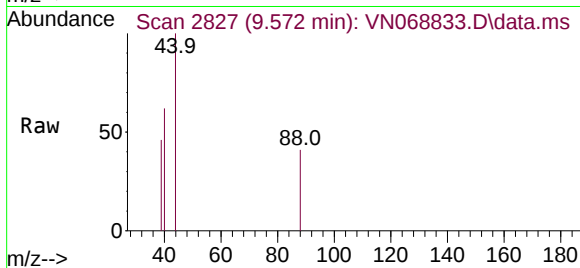




#49
1,4-Dioxane
Concen: 0.267 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

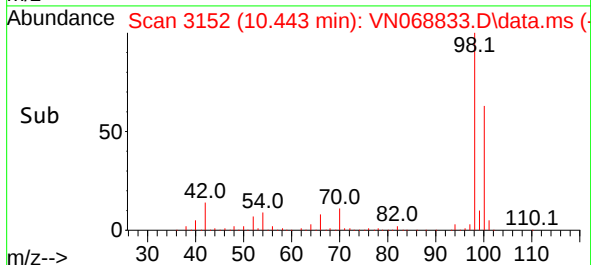
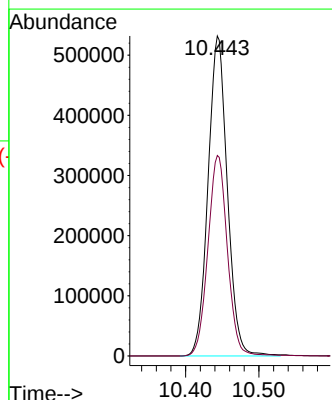
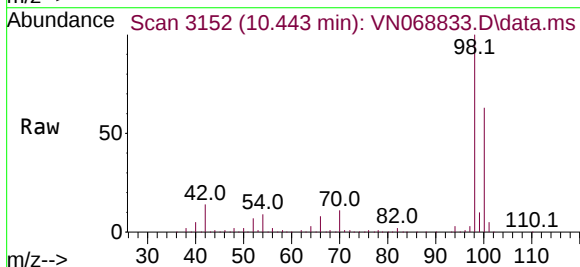
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

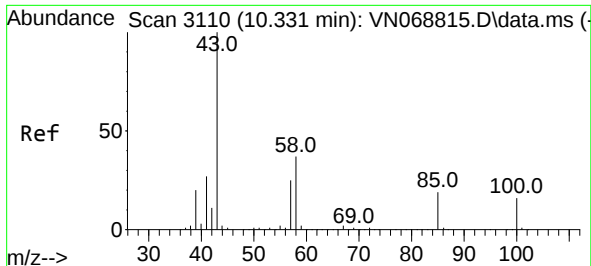
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 181.5 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 47.869 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 98 Resp: 971523
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

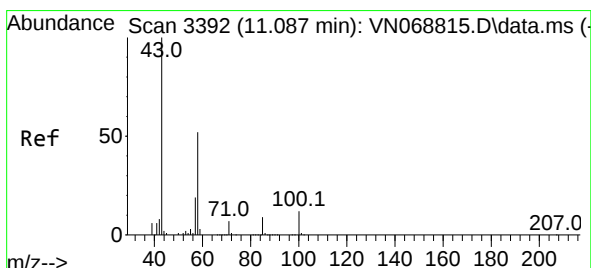
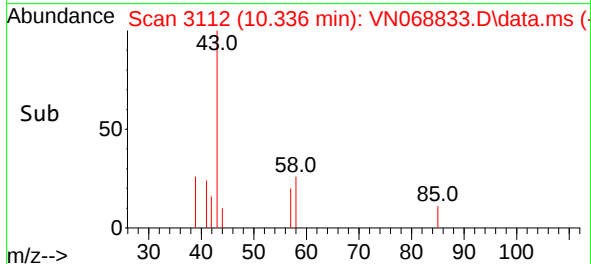
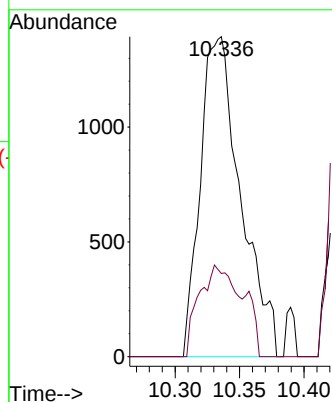
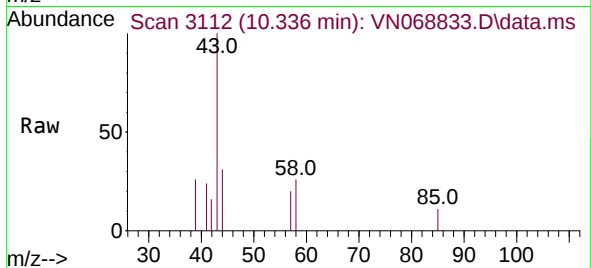




#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

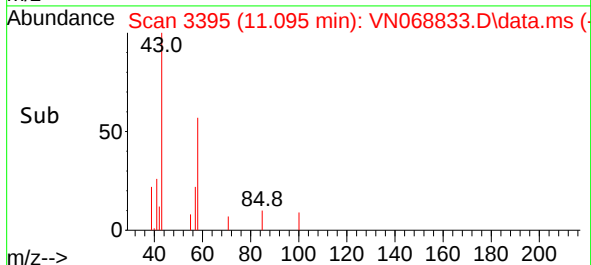
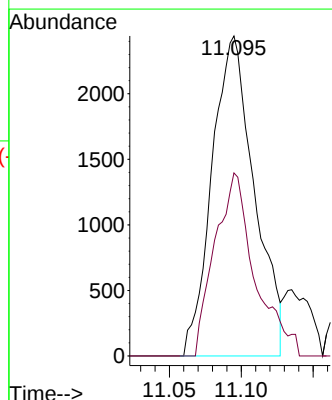
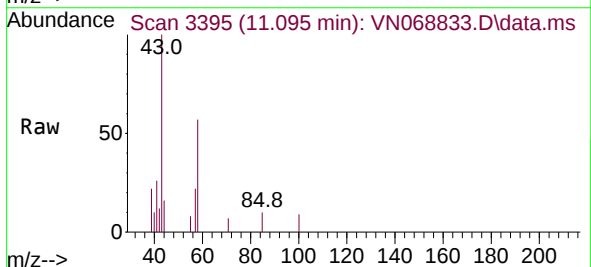
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

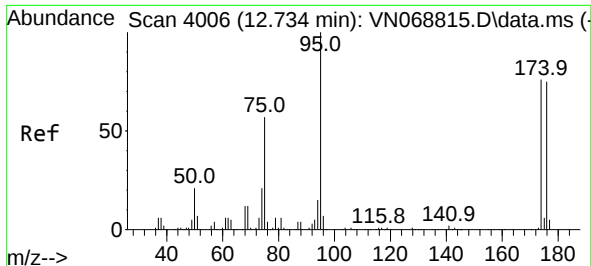
Tgt Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 25.7 28.6 43.0#



#59
2-Hexanone
Concen: 1.001 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 43 Resp: 4997
Ion Ratio Lower Upper
43 100
58 54.1 24.7 74.1

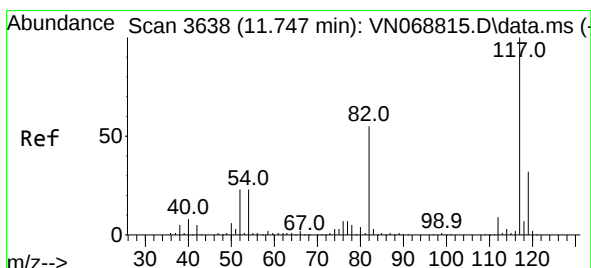
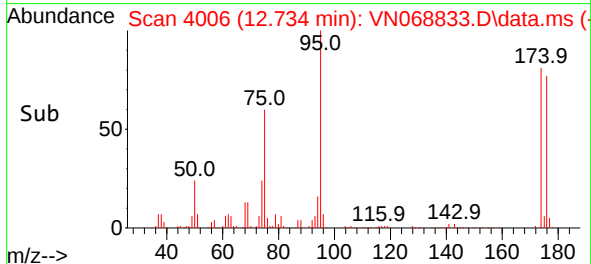
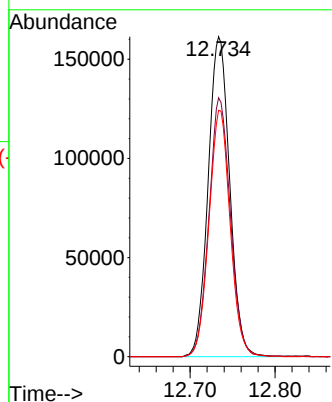
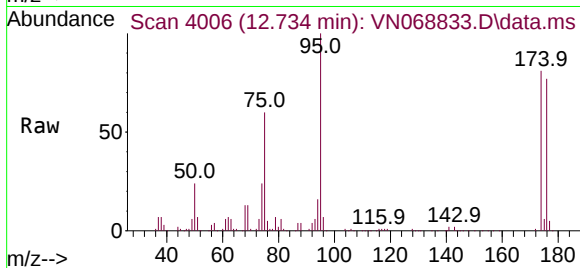




#62
4-Bromofluorobenzene
Concen: 38.246 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

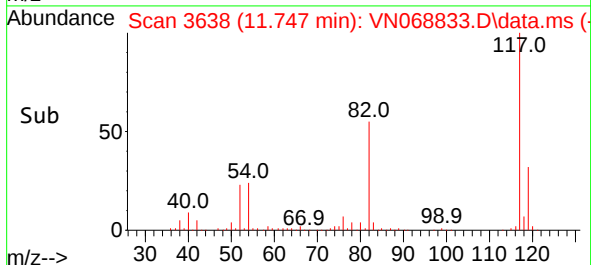
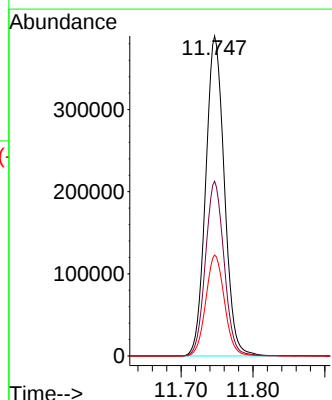
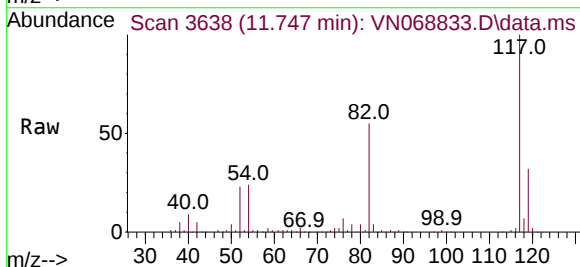
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

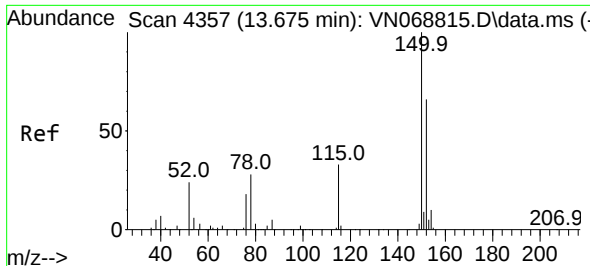
Tgt Ion: 95 Resp: 283765
Ion Ratio Lower Upper
95 100
174 80.7 0.0 122.0
176 75.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 117 Resp: 703740
Ion Ratio Lower Upper
117 100
82 54.6 53.1 79.7
119 31.6 25.5 38.3

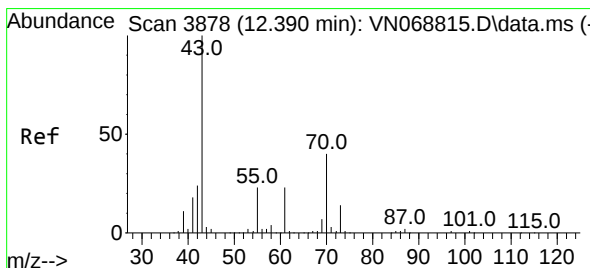
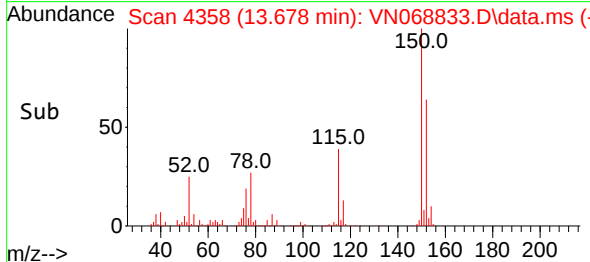
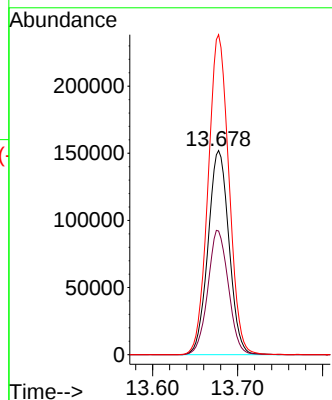
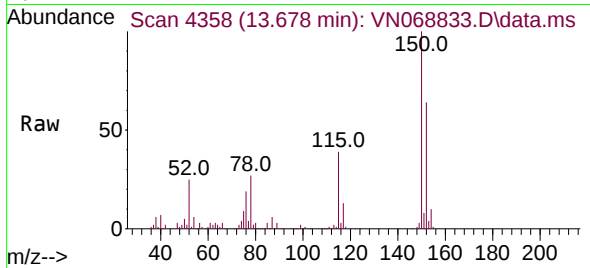




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

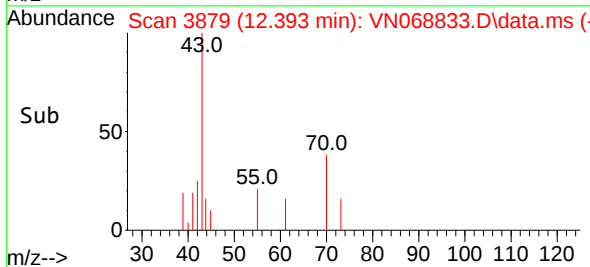
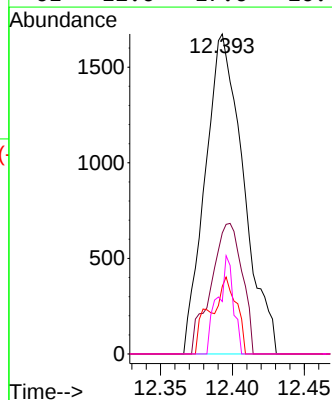
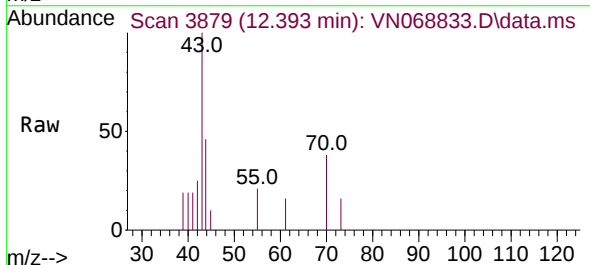
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

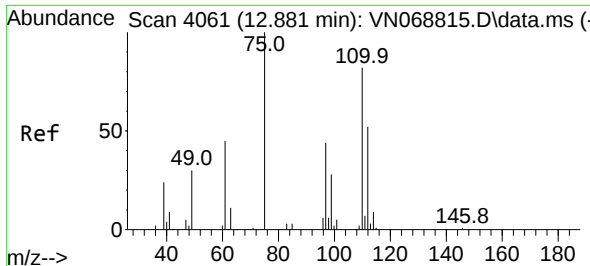
Tgt Ion:152 Resp: 259919
Ion Ratio Lower Upper
152 100
115 59.8 36.1 108.5
150 156.1 0.0 351.8



#74
N-ethyl acetate
Concen: 0.445 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 43 Resp: 3090
Ion Ratio Lower Upper
43 100
70 33.3 29.4 44.2
55 10.7 17.0 25.4#
61 12.6 17.6 26.4#

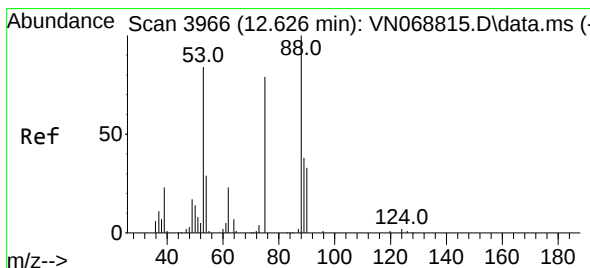
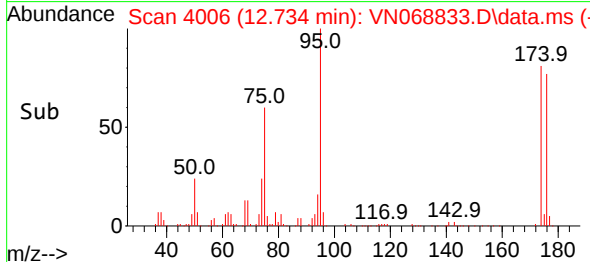
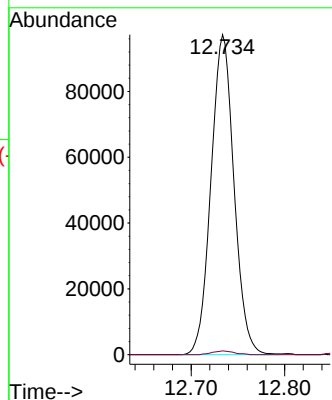
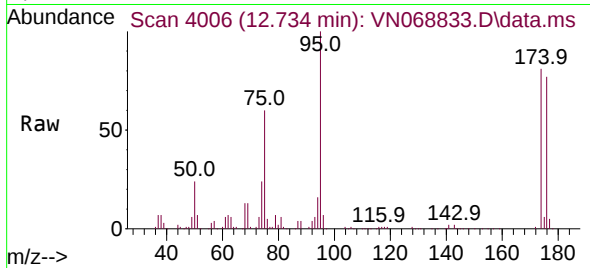




#76
1,2,3-Trichloropropane
Concen: 32.391 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

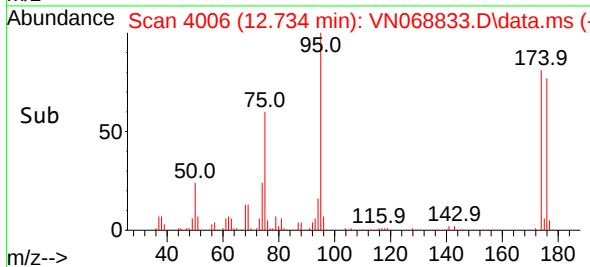
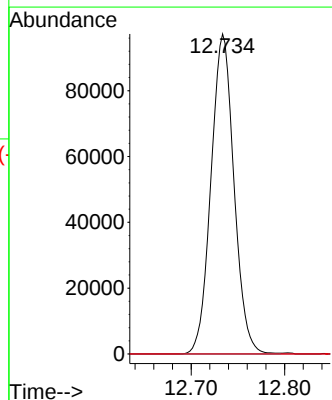
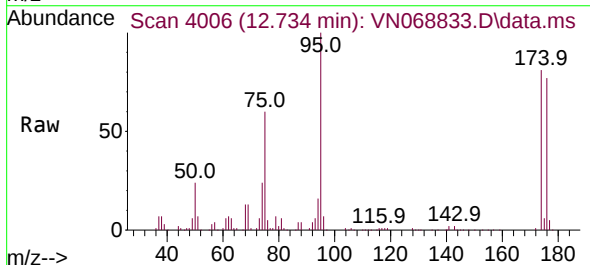
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

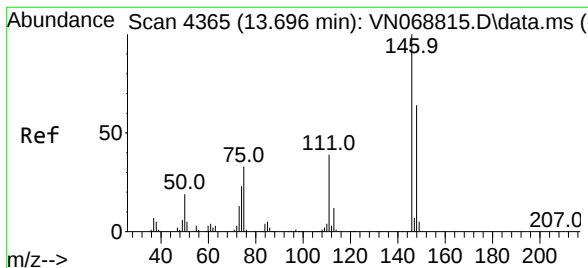
Tgt Ion: 75 Resp: 165960
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.836 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 75 Resp: 165960
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

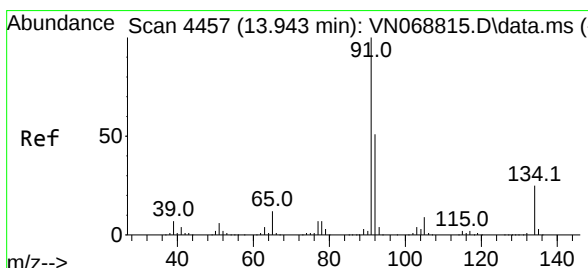
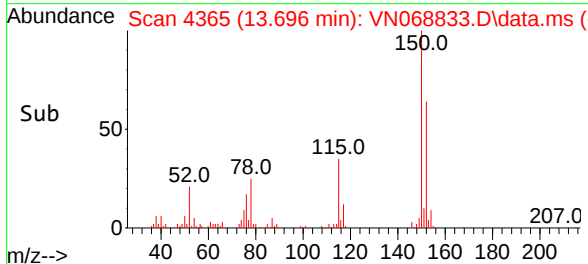
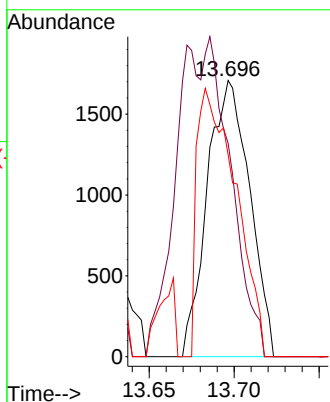
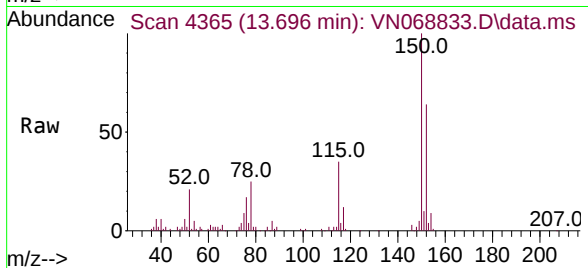




#88
1,4-Dichlorobenzene
Concen: 0.342 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

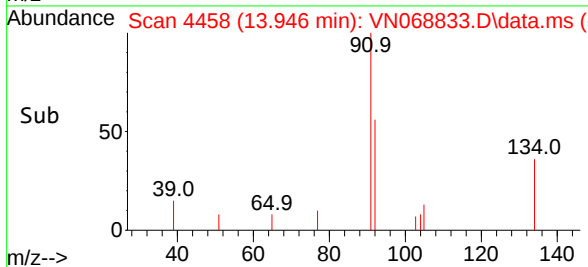
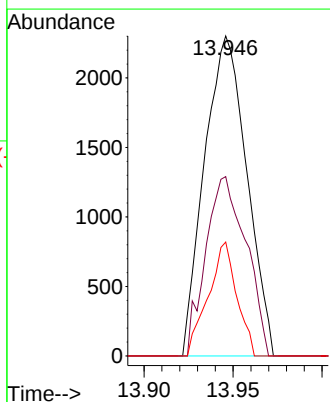
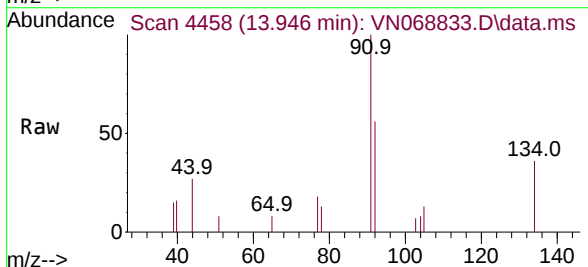
Instrument :
MSVOA_N
ClientSampled :
VN1007MBL01

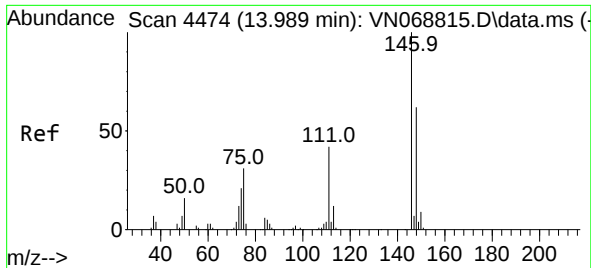
Tgt Ion:146 Resp: 2965
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 89.1 31.8 95.3



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 91 Resp: 3808
Ion Ratio Lower Upper
91 100
92 53.3 25.7 77.1
134 23.9 11.2 33.6

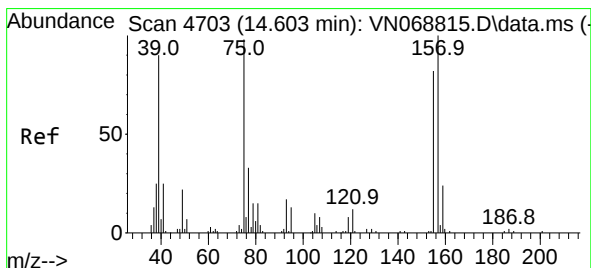
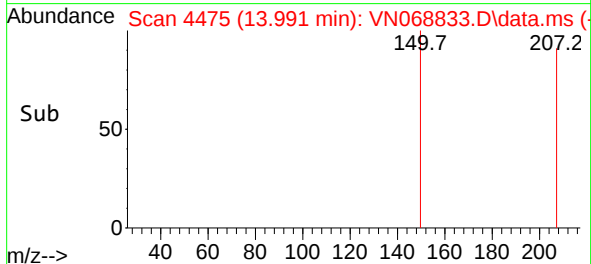
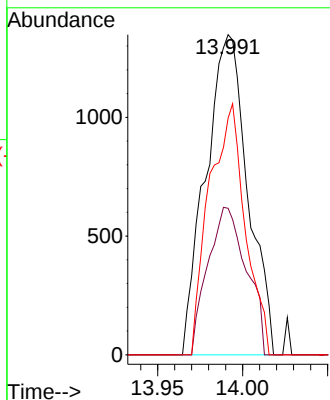
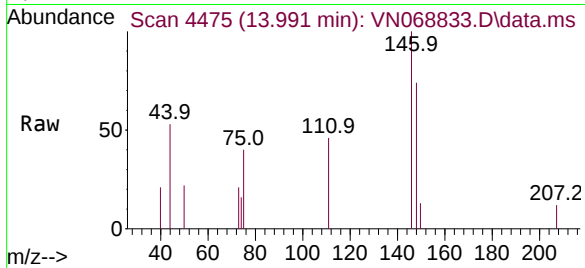




#91
1,2-Dichlorobenzene
Concen: 0.275 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.002 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

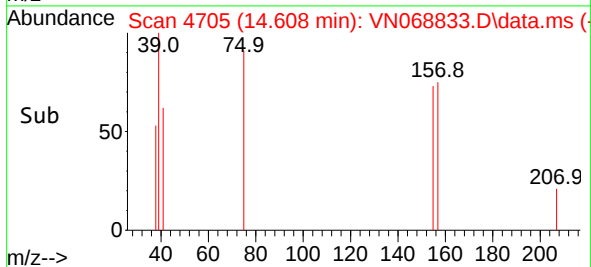
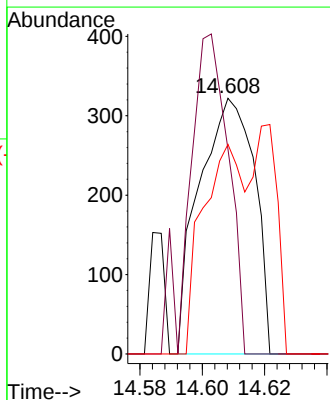
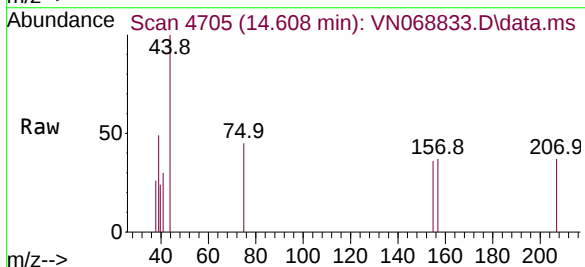
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

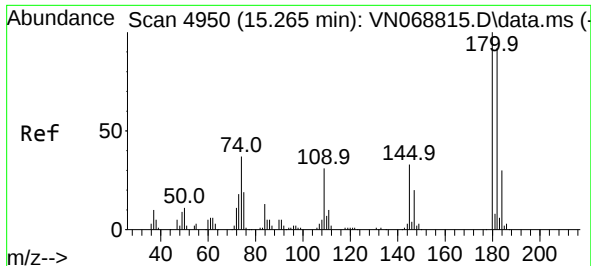
Tgt Ion:146 Resp: 2324
Ion Ratio Lower Upper
146 100
111 42.3 24.9 74.6
148 66.9 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.375 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.005 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

Tgt Ion: 75 Resp: 396
Ion Ratio Lower Upper
75 100
155 88.4 29.8 89.5
157 60.9 37.6 112.8

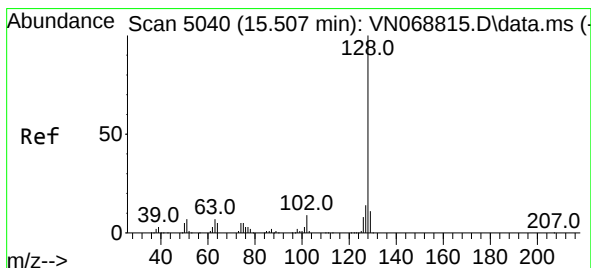
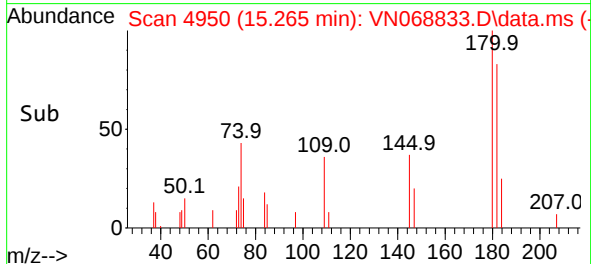
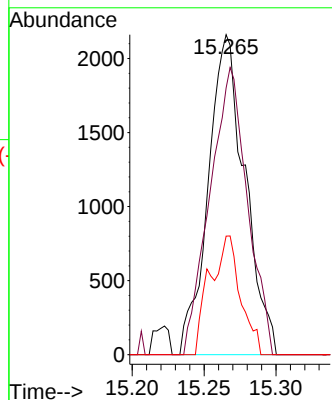
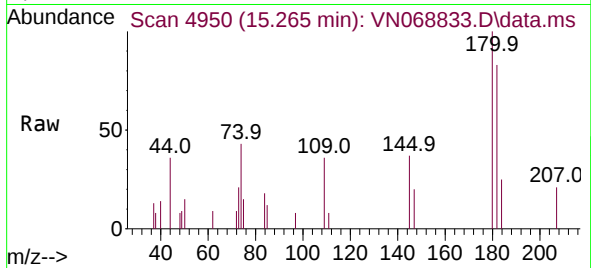




#93
1,2,4-Trichlorobenzene
Concen: 0.994 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

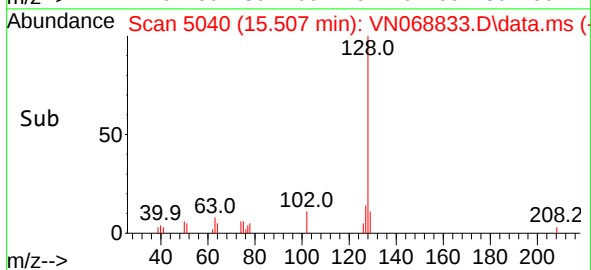
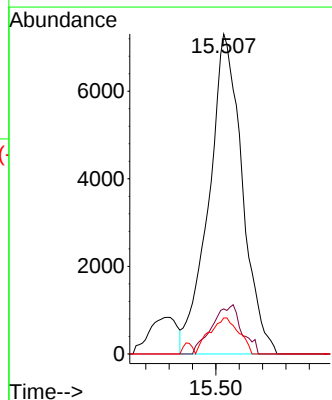
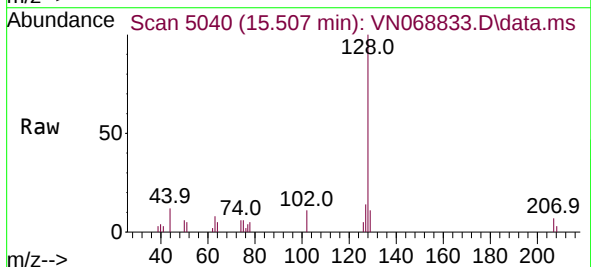
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

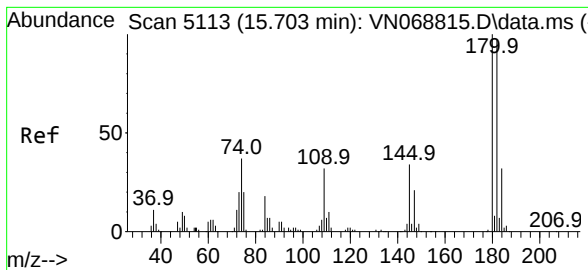
Tgt Ion:180 Resp: 3841
Ion Ratio Lower Upper
180 100
182 91.5 47.5 142.5
145 30.8 17.2 51.6



#95
Naphthalene
Concen: 1.404 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068833.D
Acq: 7 Oct 2021 10:47

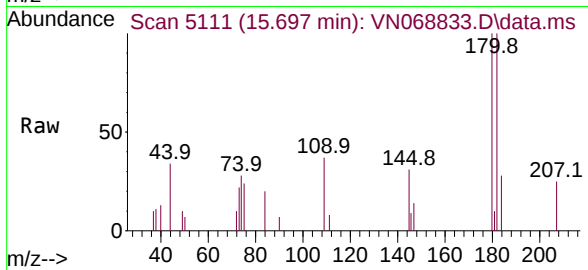
Tgt Ion:128 Resp: 14480
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 9.9 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.131 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.006 min
 Lab File: VN068833.D
 Acq: 7 Oct 2021 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007MBL01



Tgt Ion:180 Resp: 4758

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.8	143.3
145	32.8	18.2	54.6

