

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069254.D
 Acq On : 28 Oct 2021 17:03
 Operator : JC/MD
 Sample : VN1028WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBL01

Quant Time: Oct 28 18:05:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

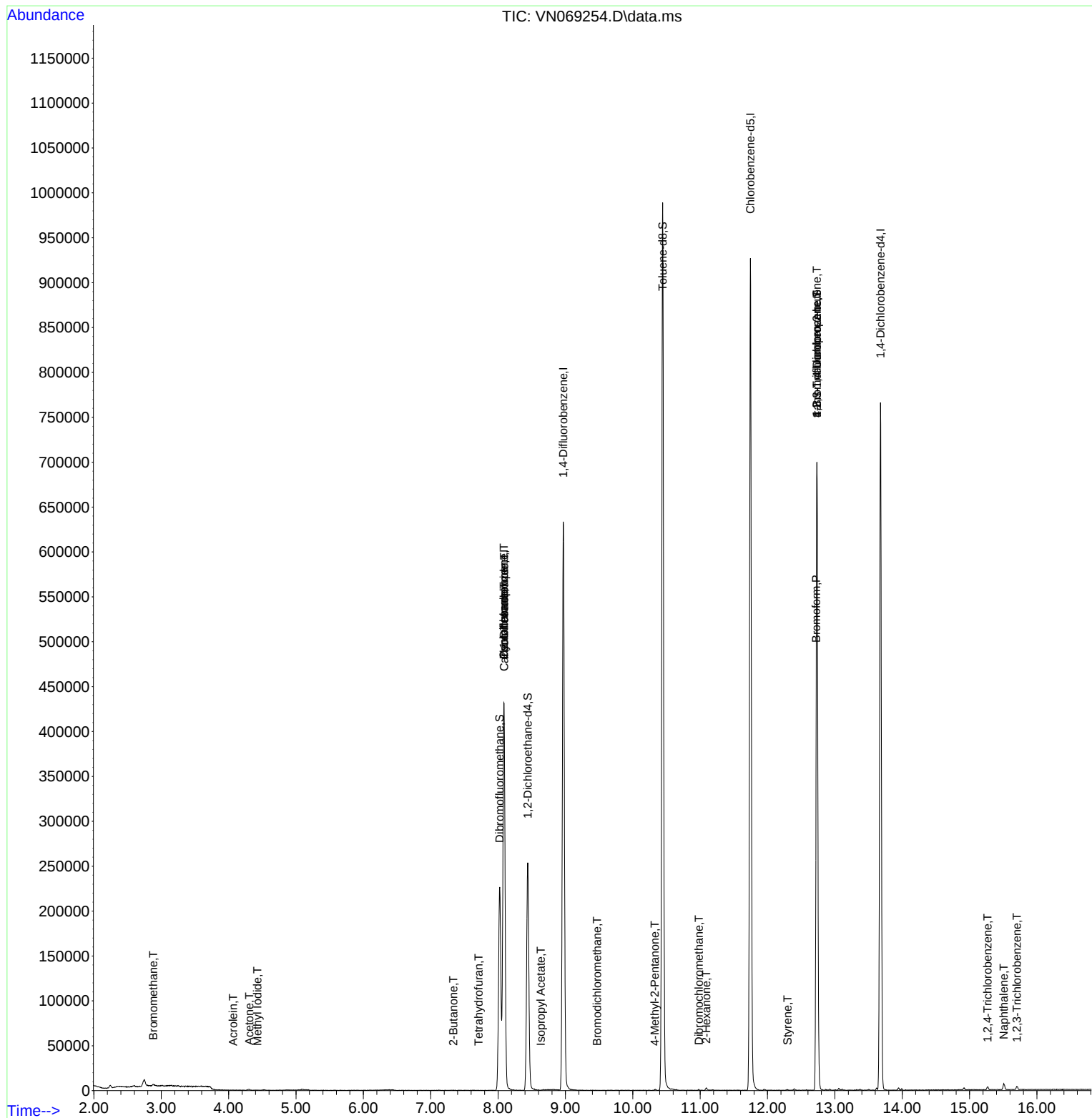
Internal Standards						
1) Pentafluorobenzene	8.088	168	323326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	568619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	549258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	217753	46.655	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.300%
35) Dibromofluoromethane	8.024	113	165469	46.682	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.360%
50) Toluene-d8	10.443	98	708886	50.019	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.733	95	254775	47.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	442	Below Cal	#	42
5) Bromomethane	2.880	94	1313	0.483	ug/l #	78
10) Methyl Iodide	4.425	142	25	2.464	ug/l #	41
13) Acrolein	4.068	56	49	0.238	ug/l #	13
16) Acetone	4.309	43	1482	0.745	ug/l #	44
25) 2-Butanone	7.337	43	55	1.652	ug/l #	48
29) Tetrahydrofuran	7.713	42	50	2.962	ug/l #	33
31) Cyclohexane	8.088	56	7475	1.197	ug/l #	10
36) 1,1-Dichloropropene	8.086	75	26260	5.357	ug/l #	50
38) Carbon Tetrachloride	8.091	117	34251	7.028	ug/l #	15
43) Isopropyl Acetate	8.633	43	111	0.470	ug/l #	55
47) Bromodichloromethane	9.469	83	51	1.114	ug/l #	25
51) 4-Methyl-2-Pentanone	10.325	43	1031	6.561	ug/l #	80
59) 2-Hexanone	11.092	43	2321	8.463	ug/l	91
60) Dibromochloromethane	10.982	129	110	1.999	ug/l #	10
70) Styrene	12.299	104	439	1.488	ug/l #	37
71) Bromoform	12.723	173	225	2.935	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	136874	25.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	136874	72.368	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	1477	2.907	ug/l #	89
95) Naphthalene	15.507	128	7243	3.965	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	1598	2.675	ug/l	93

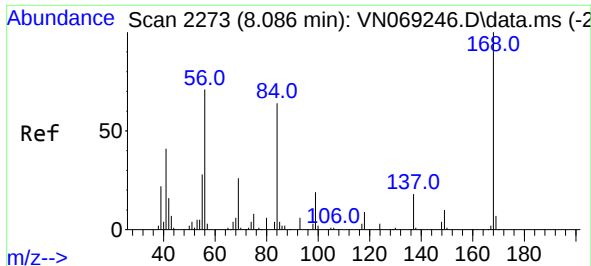
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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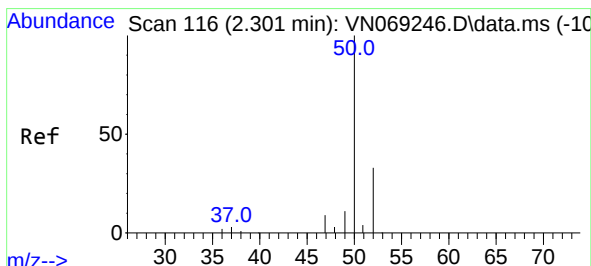
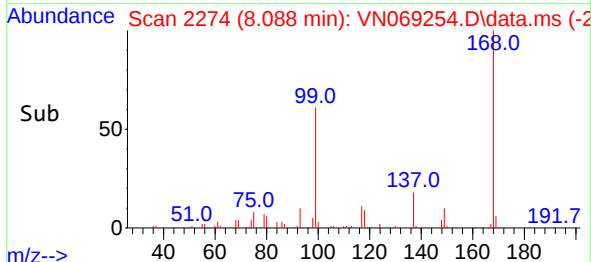
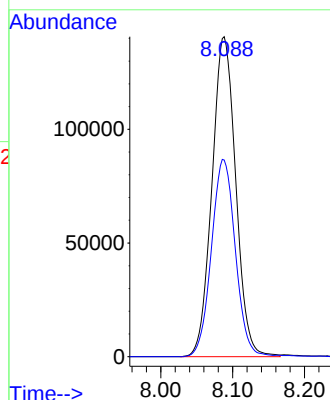
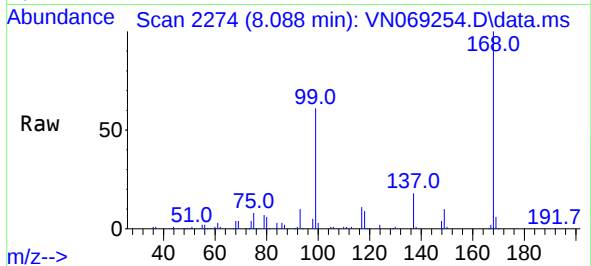




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

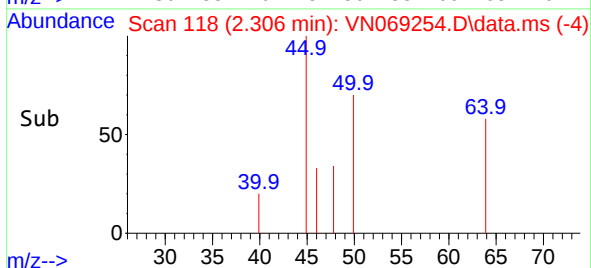
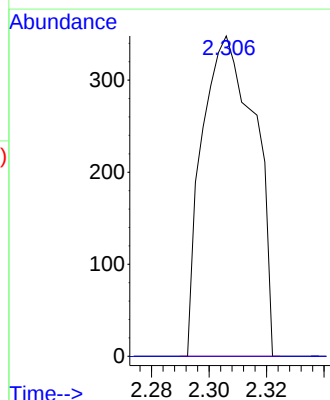
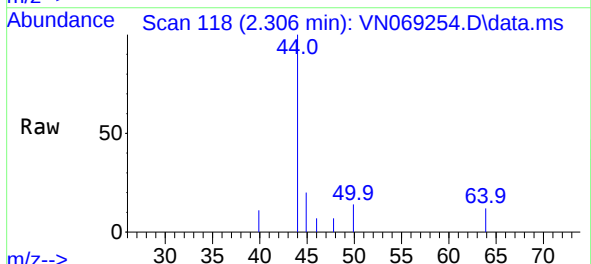
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

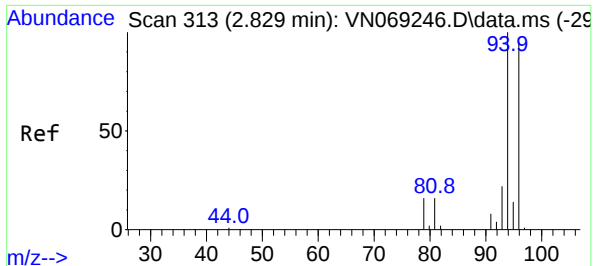
Tgt Ion:168 Resp: 323326
Ion Ratio Lower Upper
168 100
99 61.4 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 50 Resp: 442
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

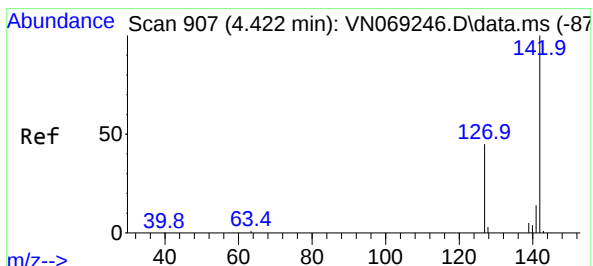
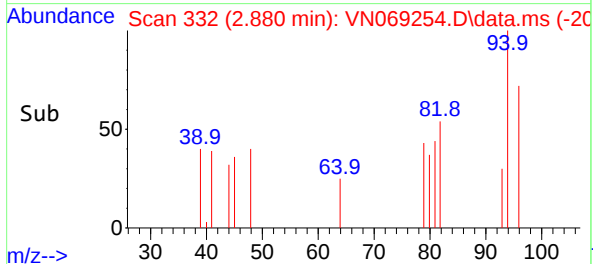
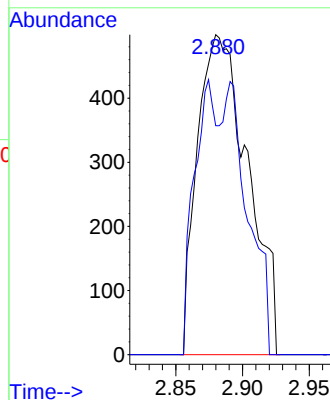
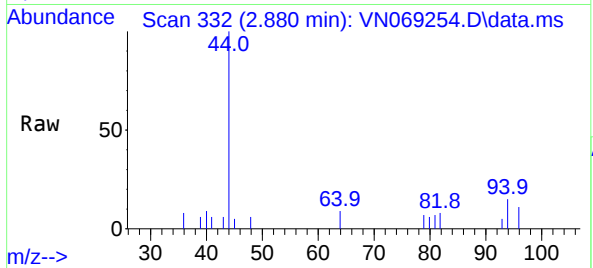




#5
Bromomethane
Concen: 0.483 ug/l
RT: 2.880 min Scan# 313
Delta R.T. 0.051 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

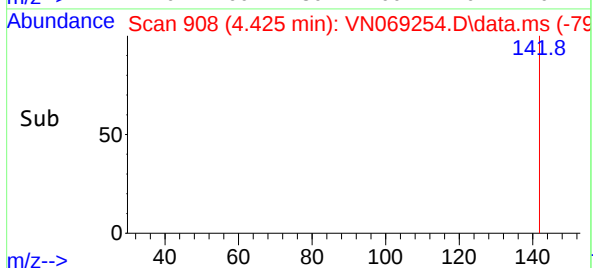
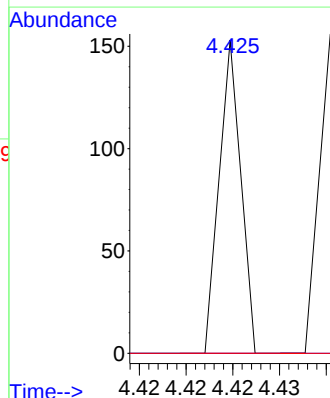
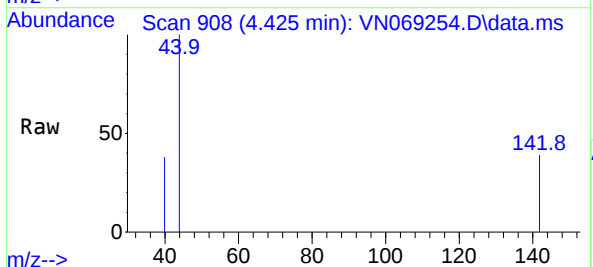
Instrument :
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ClientSampleId :
VN1028WBL01

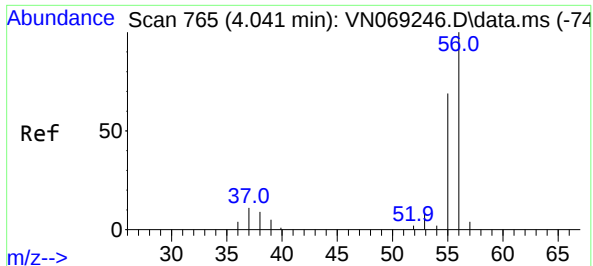
Tgt Ion: 94 Resp: 1313
Ion Ratio Lower Upper
94 100
96 71.5 74.2 111.4#



#10
Methyl Iodide
Concen: 2.464 ug/l
RT: 4.425 min Scan# 908
Delta R.T. 0.003 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.3 16.9#

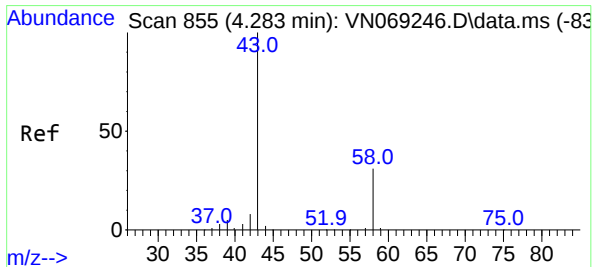
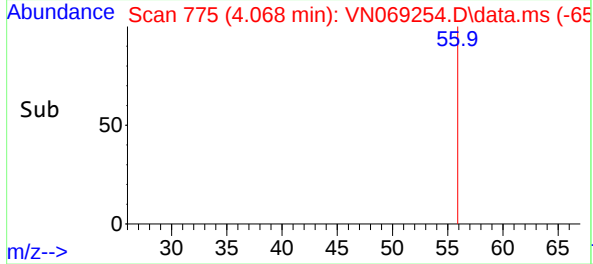
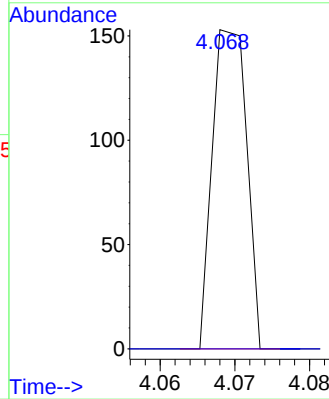
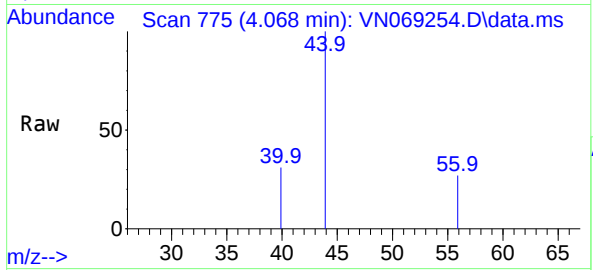




#13
Acrolein
Concen: 0.238 ug/l
RT: 4.068 min Scan# 71
Delta R.T. 0.027 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

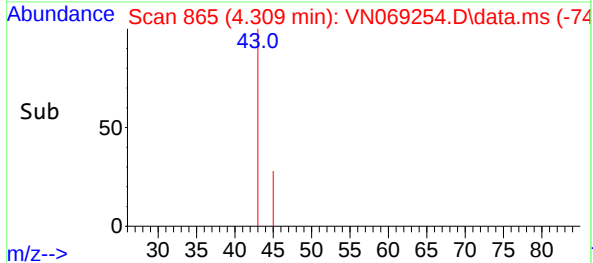
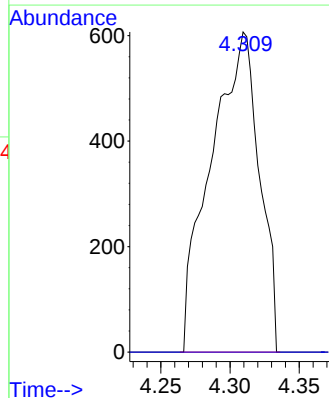
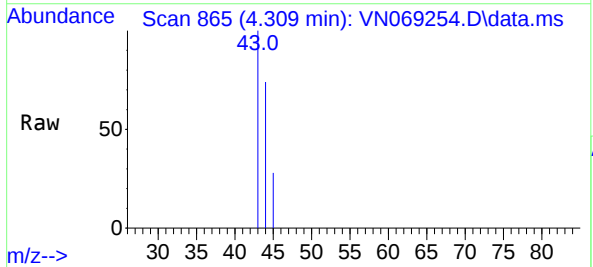
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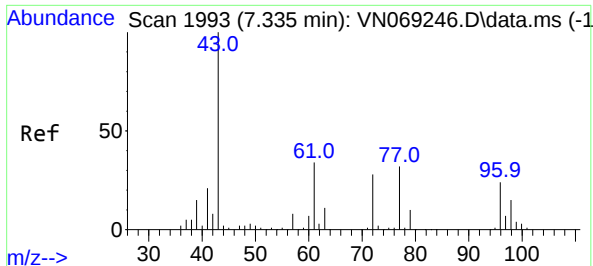
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#



#16
Acetone
Concen: 0.745 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.026 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

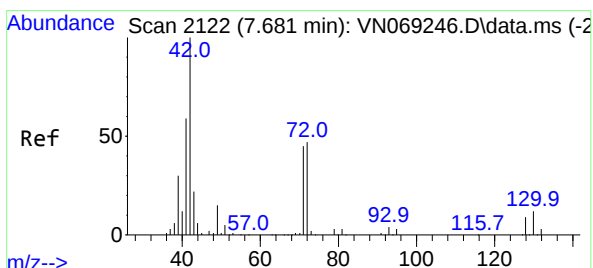
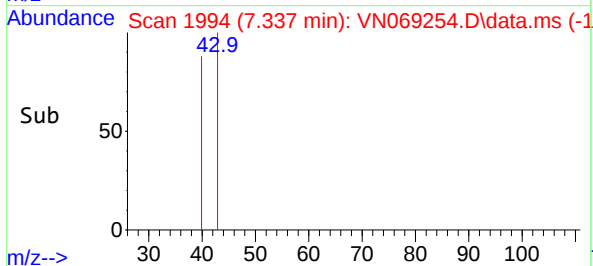
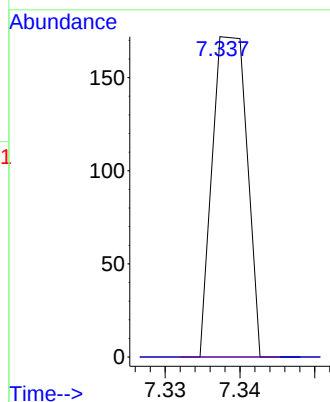
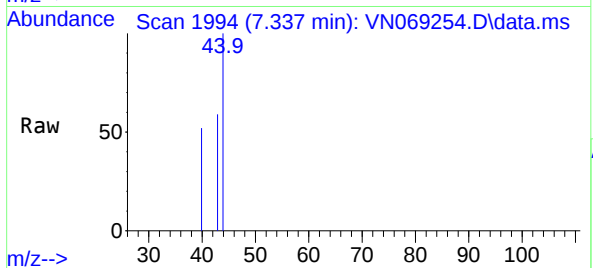




#25
2-Butanone
Concen: 1.652 ug/l
RT: 7.337 min Scan# 1993
Delta R.T. 0.002 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

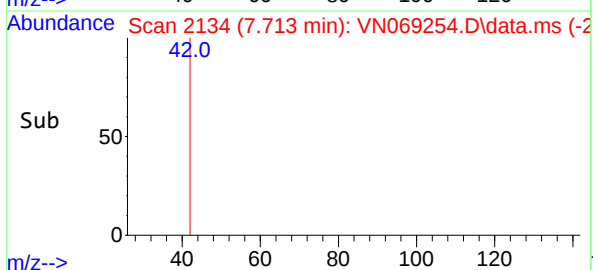
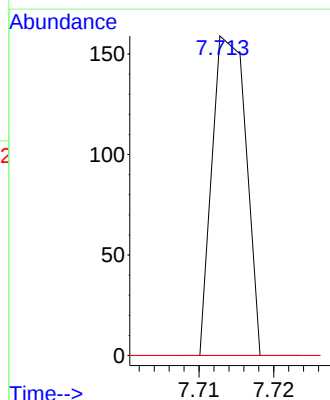
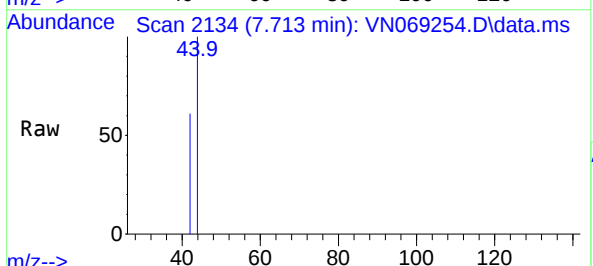
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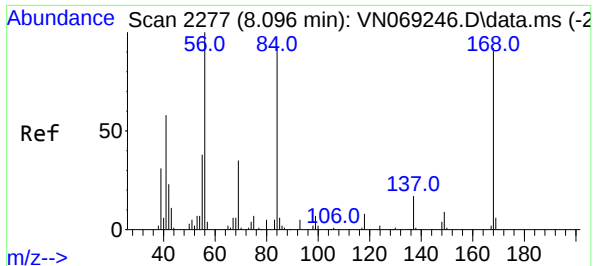
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 2.962 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.032 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 42 Resp: 50
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 0.0 33.8 50.6#

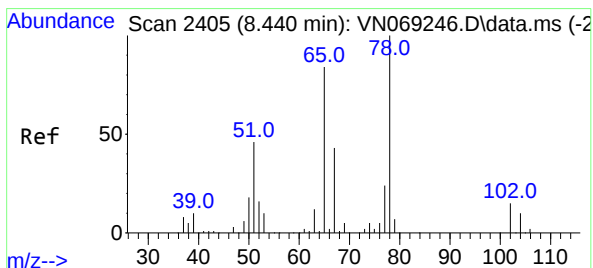
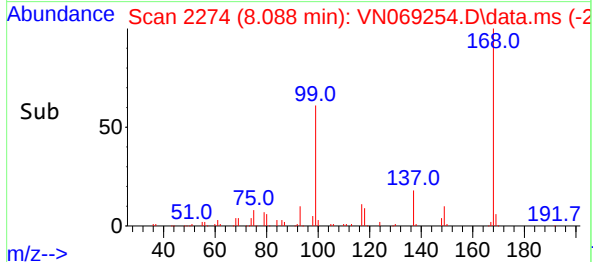
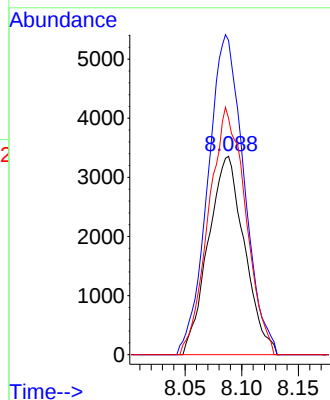
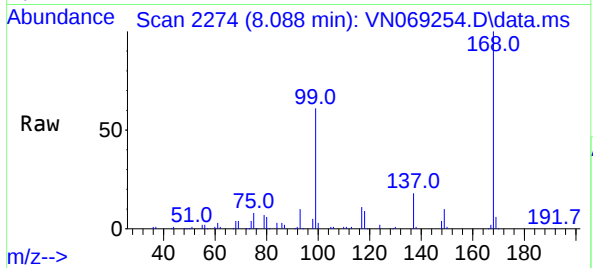




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

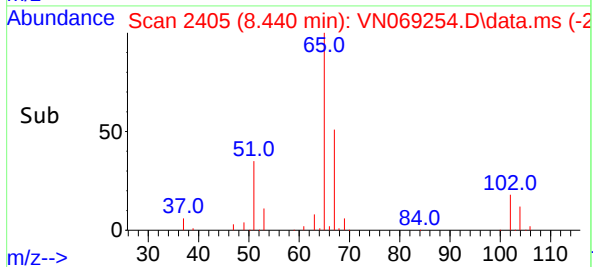
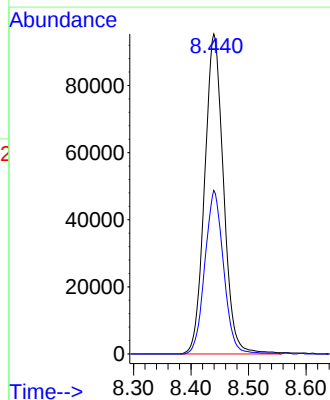
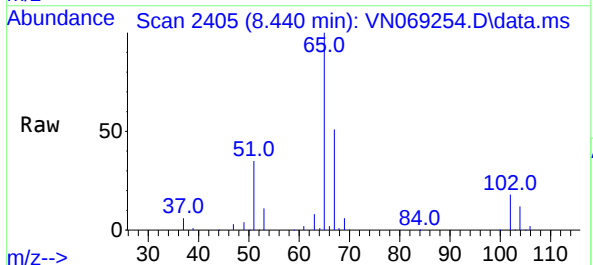
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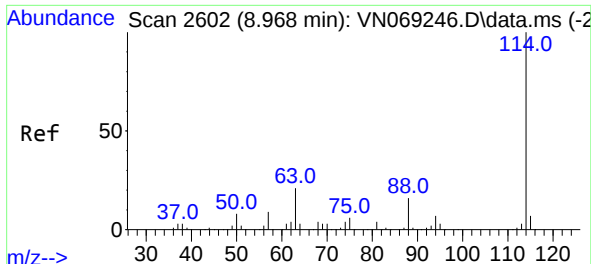
Tgt Ion: 56 Resp: 7475
Ion Ratio Lower Upper
56 100
69 158.5 26.9 40.3#
84 119.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.655 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 65 Resp: 217753
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.8

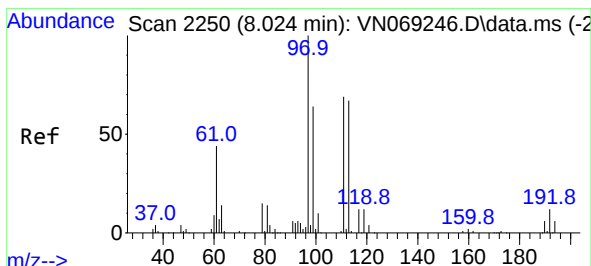
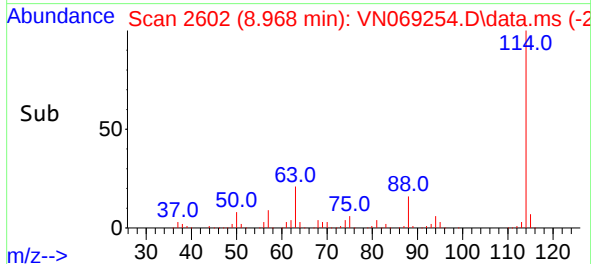
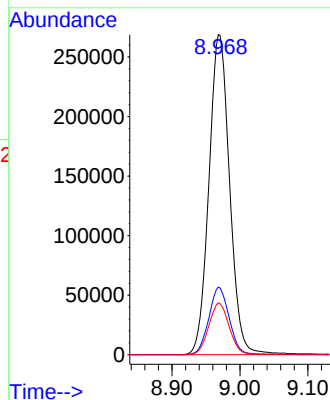
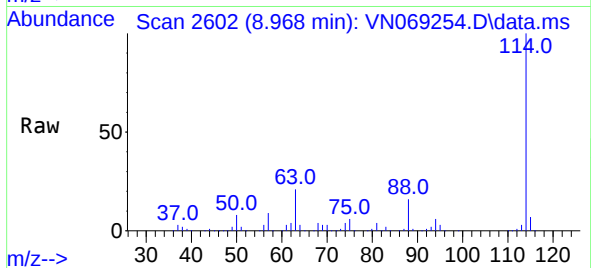




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

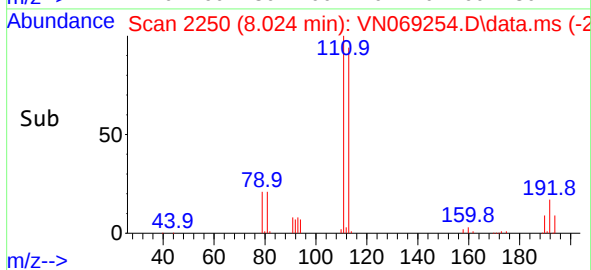
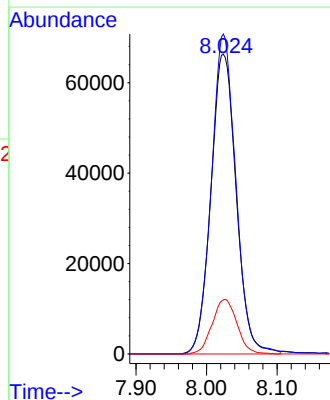
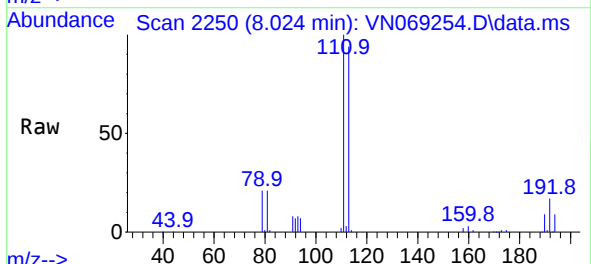
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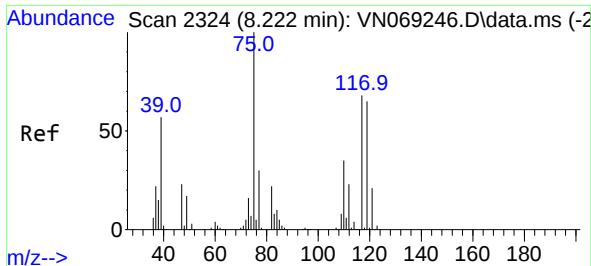
Tgt Ion:114 Resp: 568619
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.682 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion:113 Resp: 165469
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 17.8 15.0 22.4

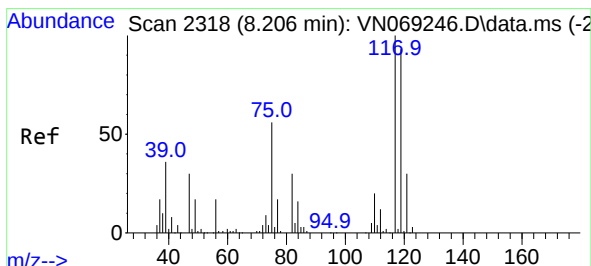
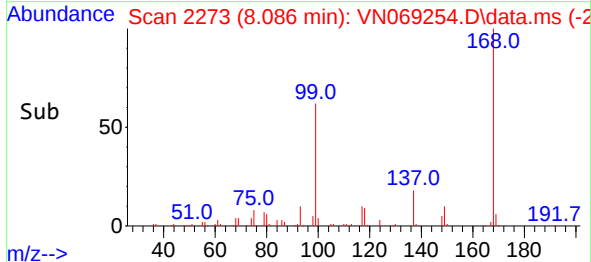
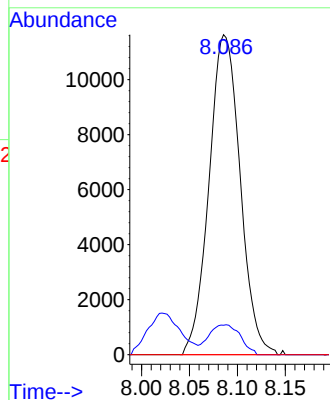
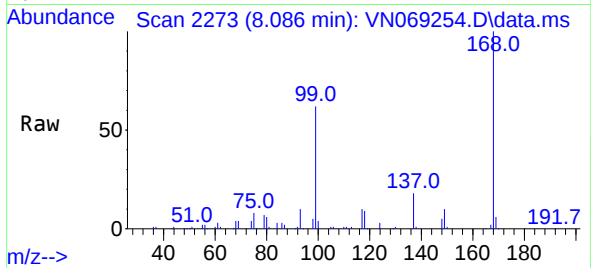




#36
1,1-Dichloropropene
Concen: 5.357 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.136 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

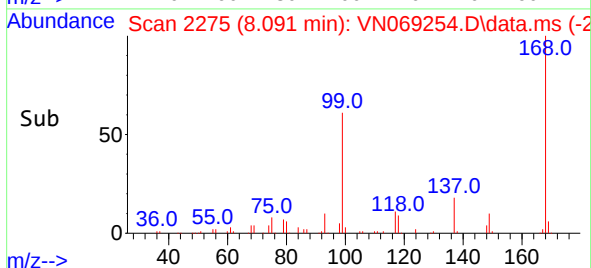
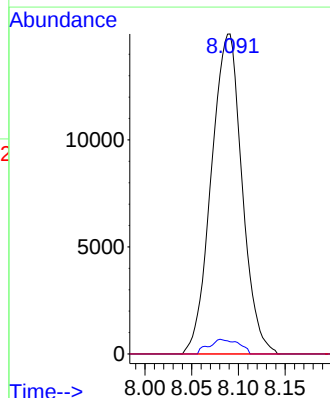
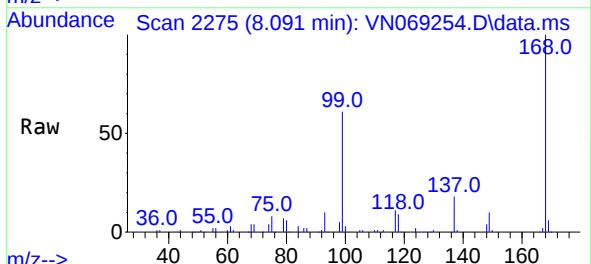
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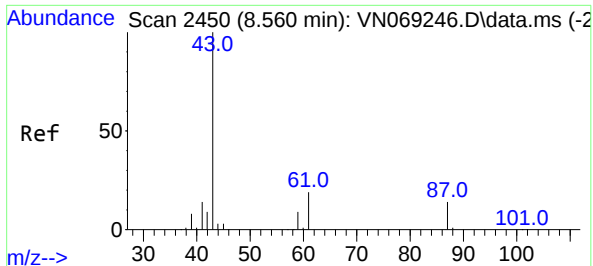
Tgt Ion: 75 Resp: 26260
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.028 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 117 Resp: 34251
Ion Ratio Lower Upper
117 100
119 3.8 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.470 ug/l

RT: 8.633 min Scan# 24

Delta R.T. 0.073 min

Lab File: VN069254.D

Acq: 28 Oct 2021 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBL01

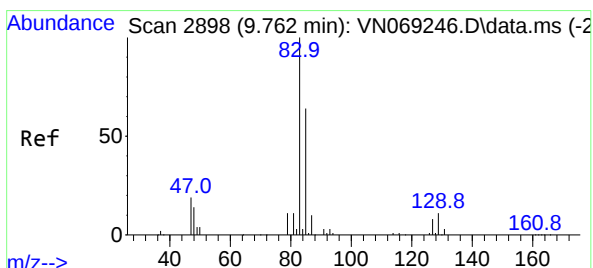
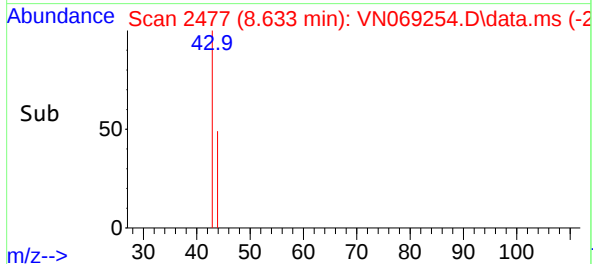
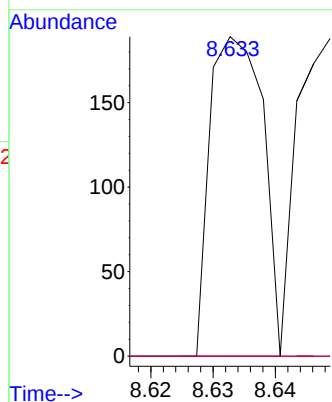
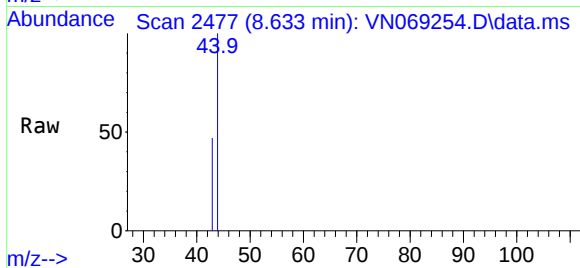
Tgt Ion: 43 Resp: 111

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.7 16.1#



#47

Bromodichloromethane

Concen: 1.114 ug/l

RT: 9.469 min Scan# 2789

Delta R.T. -0.293 min

Lab File: VN069254.D

Acq: 28 Oct 2021 17:03

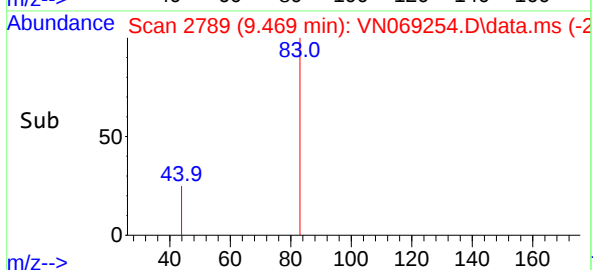
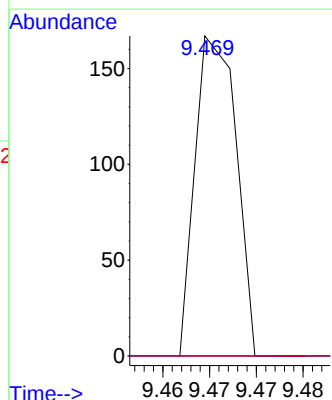
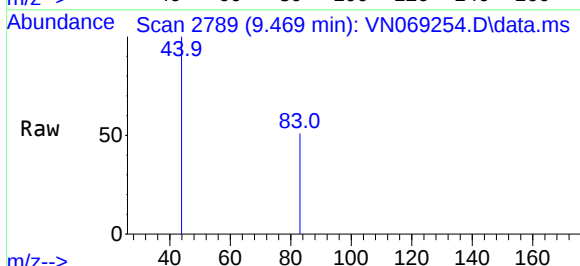
Tgt Ion: 83 Resp: 51

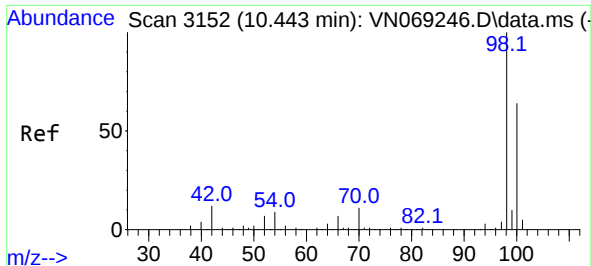
Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

127 0.0 6.5 9.7#

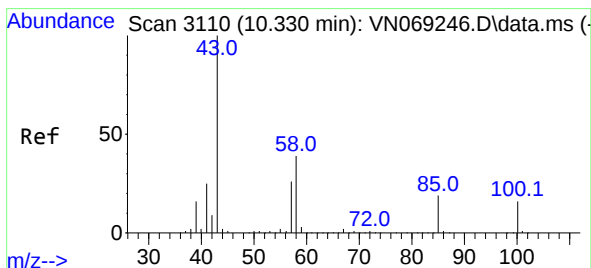
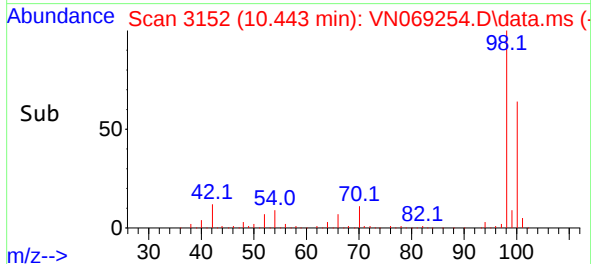
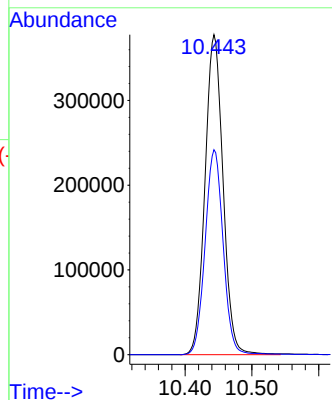
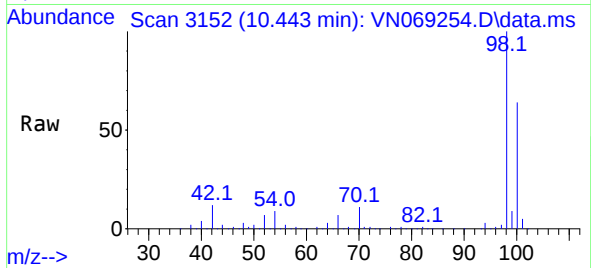




#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

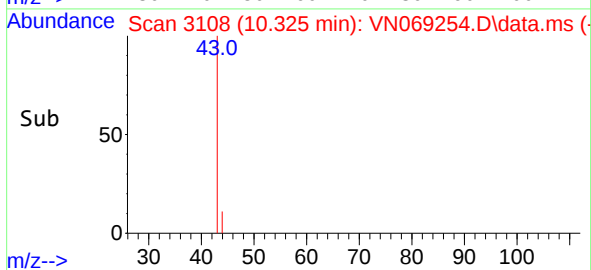
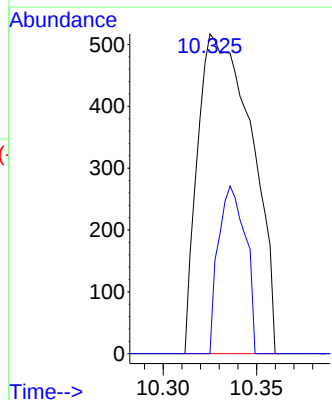
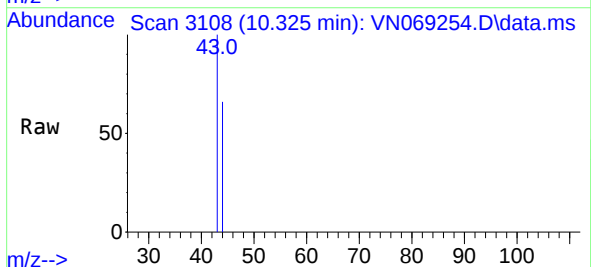
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

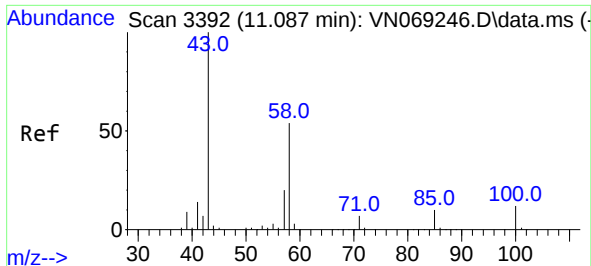
Tgt Ion: 98 Resp: 708886
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.561 ug/l
RT: 10.325 min Scan# 3108
Delta R.T. -0.005 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 26.4 31.0 46.4#

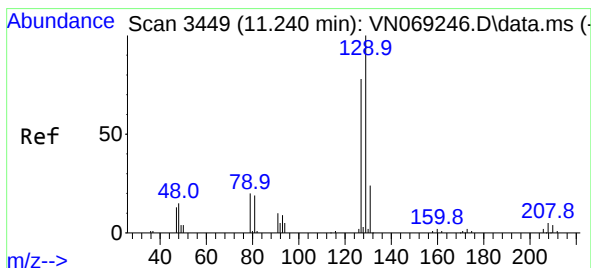
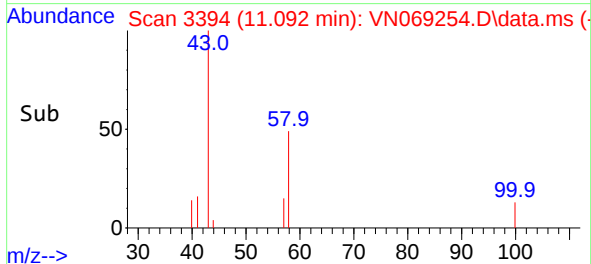
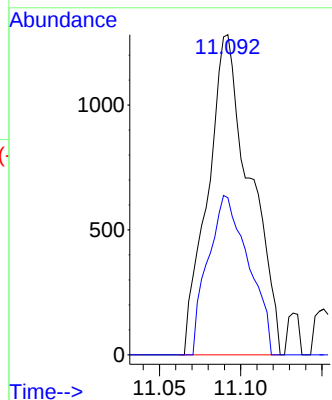
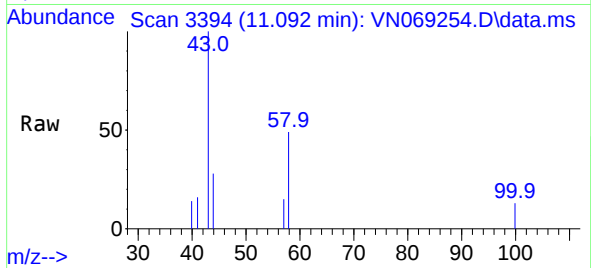




#59
2-Hexanone
Concen: 8.463 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

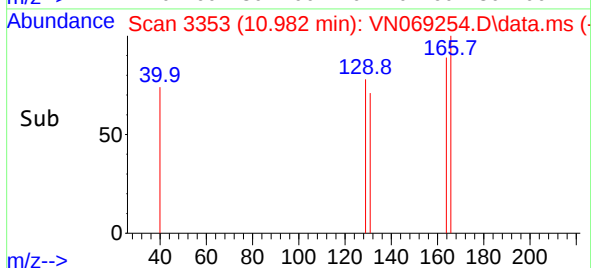
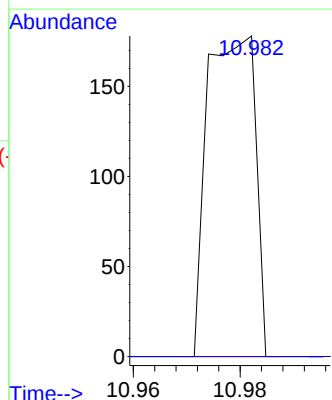
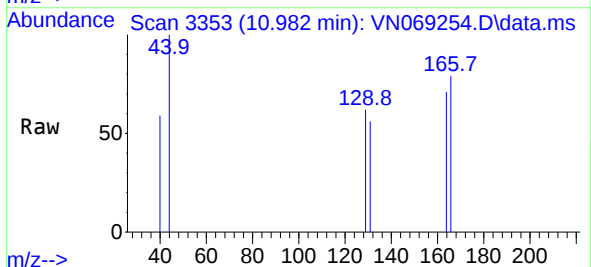
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

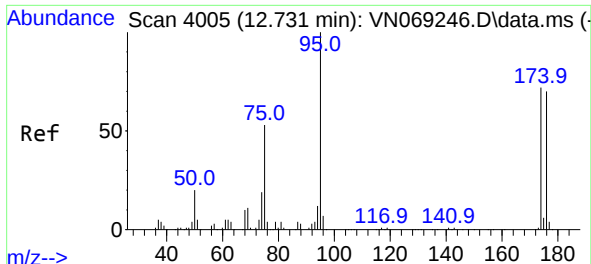
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
58 47.5 26.9 80.7



#60
Dibromochloromethane
Concen: 1.999 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 129 Resp: 110
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

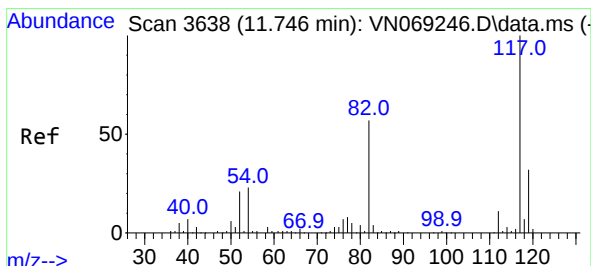
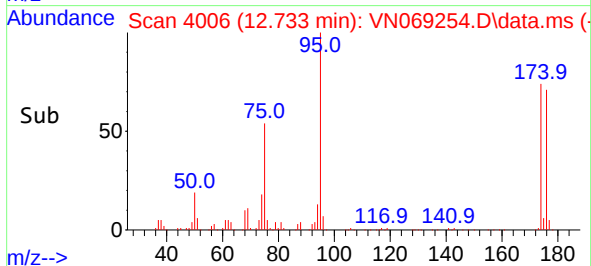
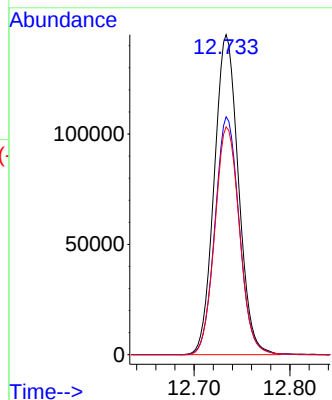
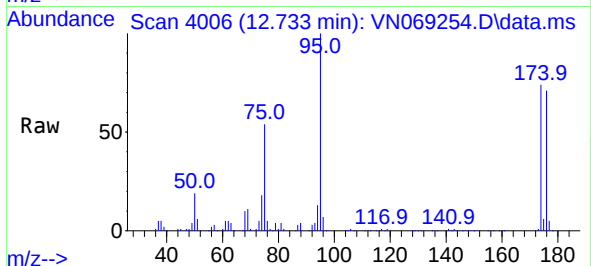




#62
4-Bromofluorobenzene
Concen: 47.640 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

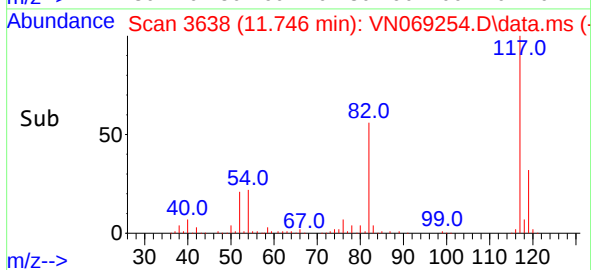
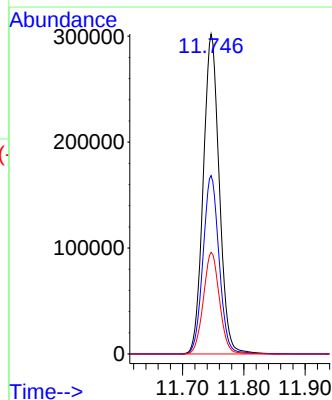
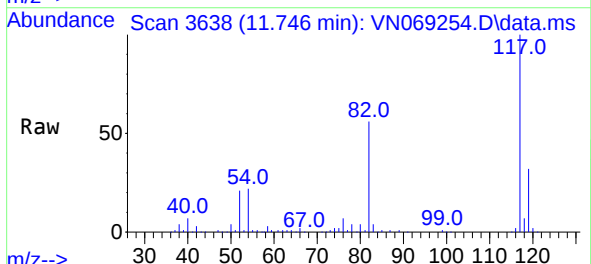
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

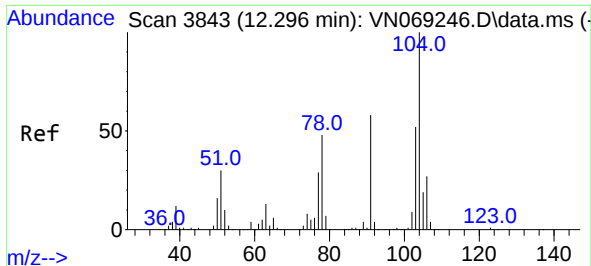
Tgt Ion: 95 Resp: 254775
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.8
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 117 Resp: 549258
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 31.8 26.0 39.0

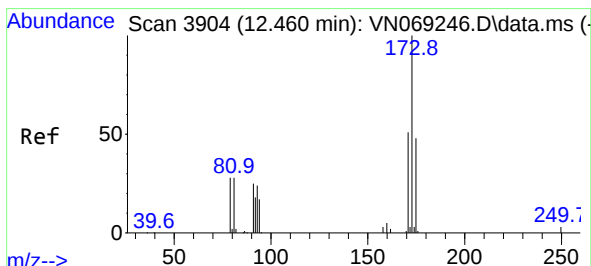
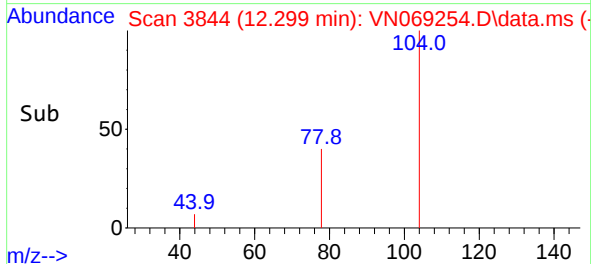
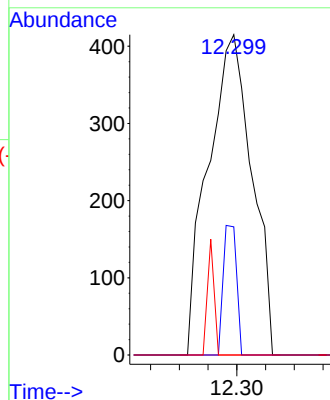
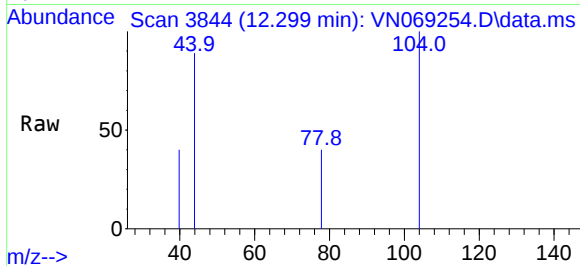




#70
Styrene
Concen: 1.488 ug/l
RT: 12.299 min Scan# 3843
Delta R.T. 0.003 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

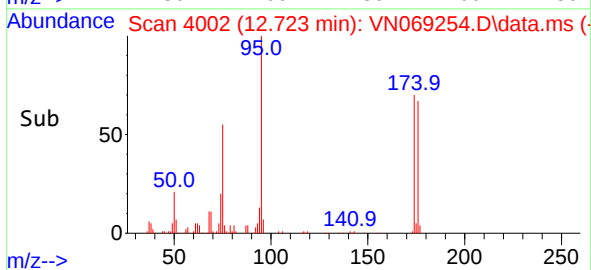
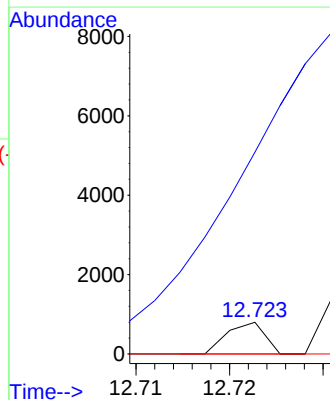
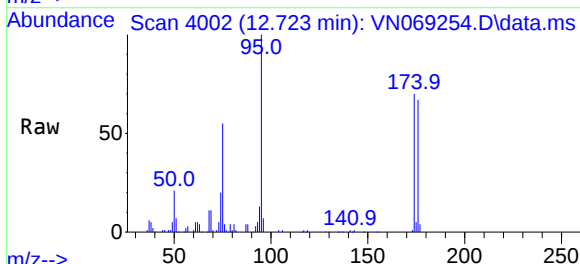
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

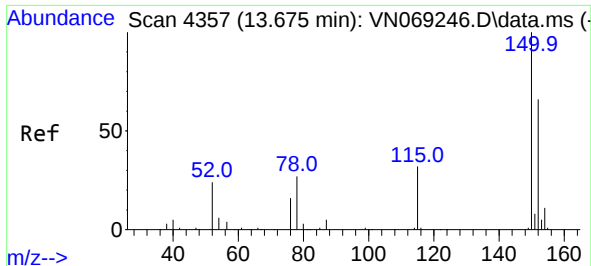
Tgt Ion:104 Resp: 439
Ion Ratio Lower Upper
104 100
78 12.3 42.2 63.4#
103 5.5 44.4 66.6#



#71
Bromoform
Concen: 2.935 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion:173 Resp: 225
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0

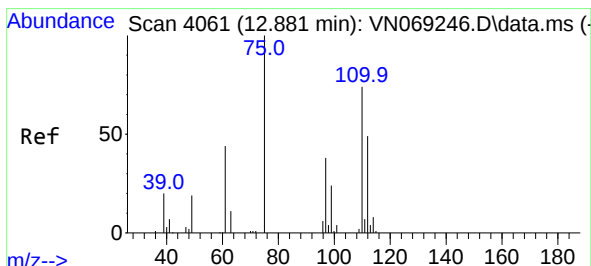
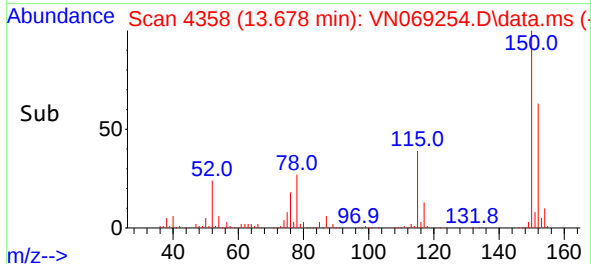
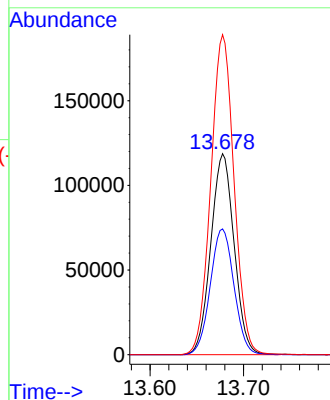
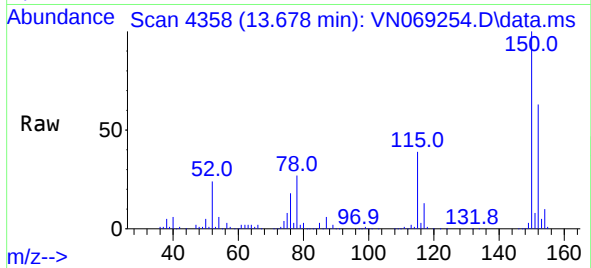




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.002 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

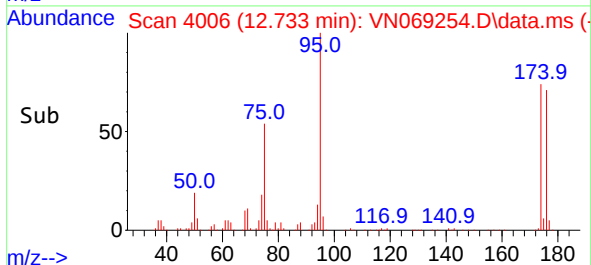
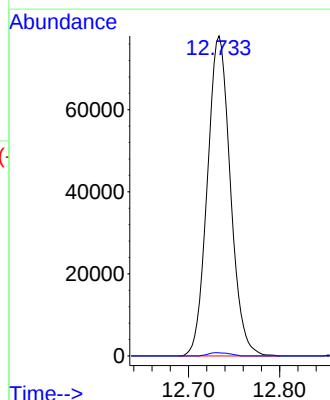
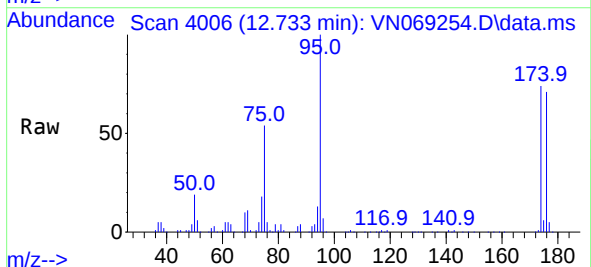
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

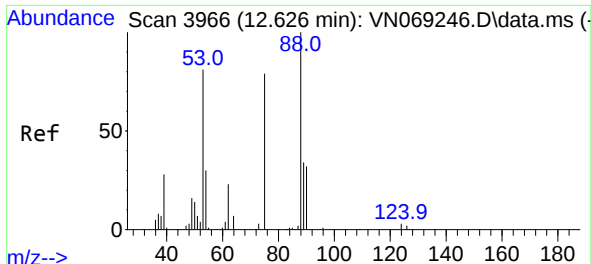
Tgt Ion:152 Resp: 205832
Ion Ratio Lower Upper
152 100
115 63.7 31.4 94.3
150 158.8 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.283 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion: 75 Resp: 136874
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

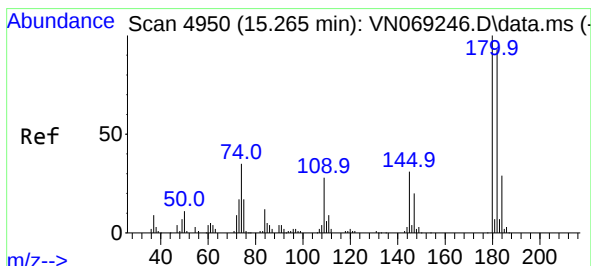
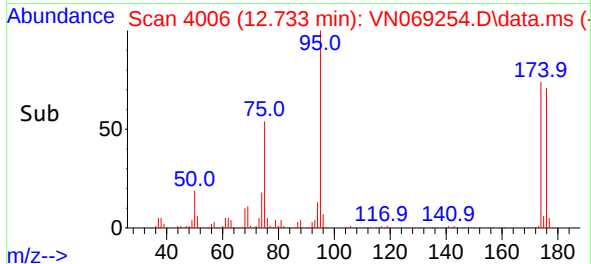
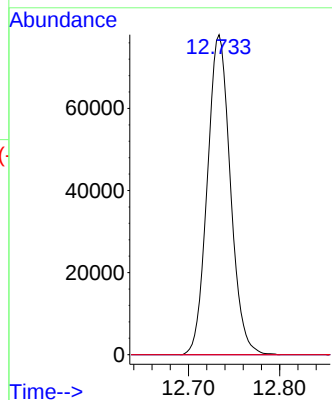
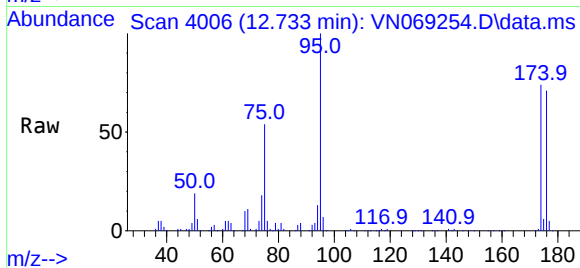




#81
trans-1,4-Dichloro-2-butene
Concen: 72.368 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

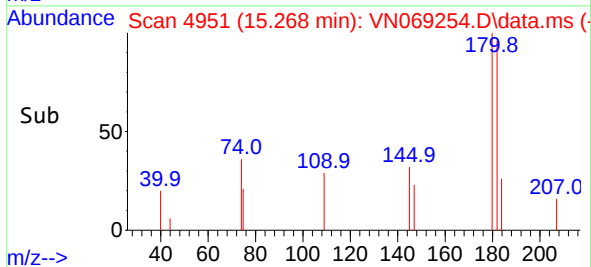
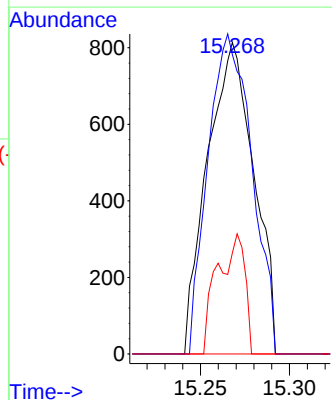
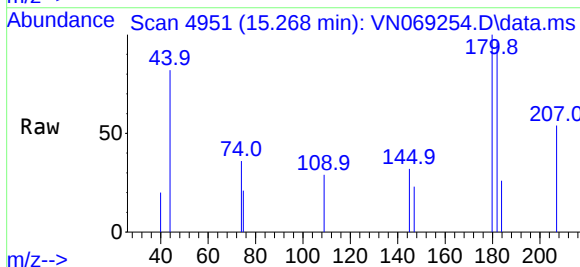
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MSVOA_N
ClientSampleId :
VN1028WBL01

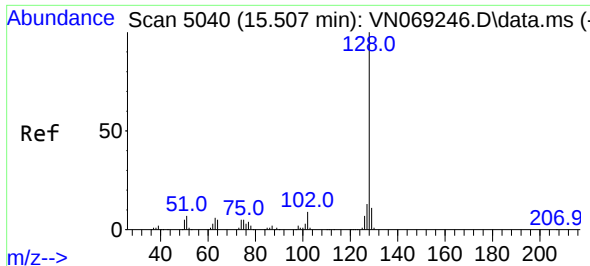
Tgt Ion: 75 Resp: 136874
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.907 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion:180 Resp: 1477
Ion Ratio Lower Upper
180 100
182 97.0 47.9 143.7
145 11.3 16.4 49.2#

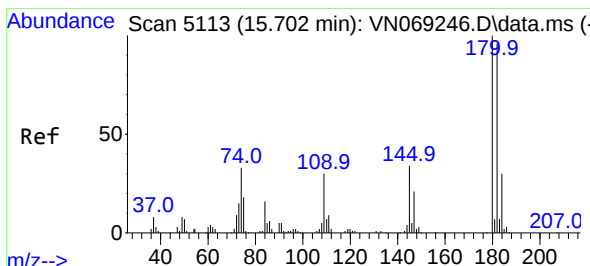
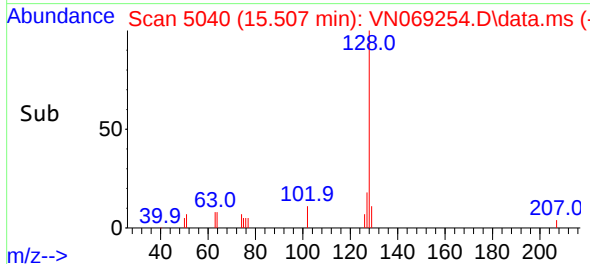
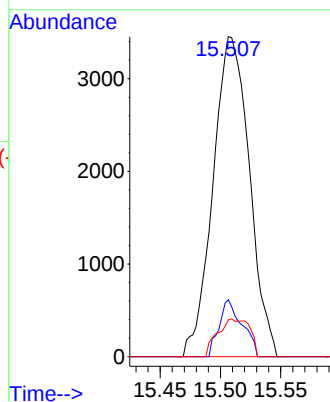
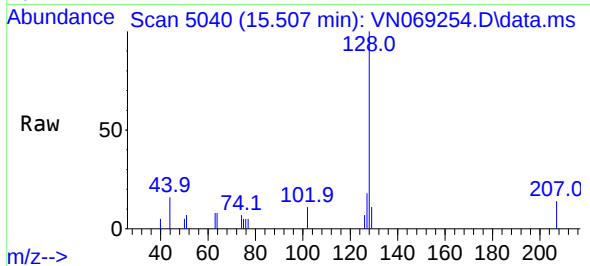




#95
Naphthalene
Concen: 3.965 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:	128	Resp:	7243
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.5	15.7
129	10.3	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.675 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069254.D
Acq: 28 Oct 2021 17:03

Tgt Ion:	180	Resp:	1598
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.3
145	20.7	17.4	52.2

