

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069938.D
 Acq On : 10 Dec 2021 3:21
 Operator : JC/MD
 Sample : PB141262ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#04

Quant Time: Dec 10 08:13:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

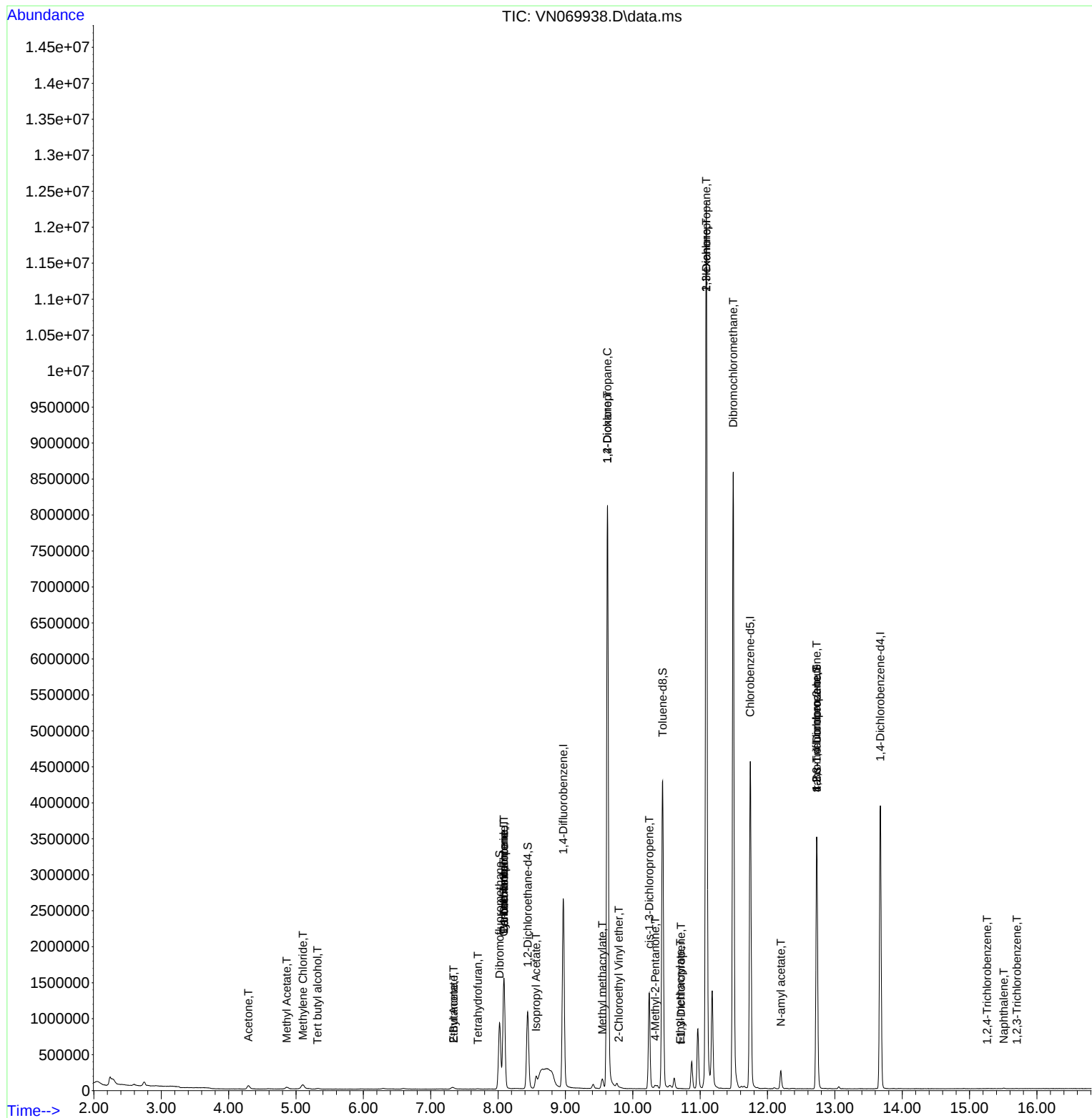
Internal Standards						
1) Pentafluorobenzene	8.088	168	1145497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2202978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2510051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1027929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	918222	51.917	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.840%	
35) Dibromofluoromethane	8.021	113	672486	48.734	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.460%	
50) Toluene-d8	10.443	98	2912320	52.562	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.731	95	1207883	60.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 120.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.318	59	5124	1.533	ug/l #	71
16) Acetone	4.293	43	85777	8.062	ug/l	91
18) Methyl Acetate	4.865	43	51078	1.591	ug/l	92
20) Methylene Chloride	5.103	84	40397	2.856	ug/l #	86
25) 2-Butanone	7.340	43	16624	1.150	ug/l	92
29) Tetrahydrofuran	7.699	42	3883	0.442	ug/l #	54
31) Cyclohexane	8.083	56	31198	1.268	ug/l #	44
36) 1,1-Dichloropropene	8.086	75	100973	4.815	ug/l #	49
37) Ethyl Acetate	7.340	43	16624	0.533	ug/l #	70
38) Carbon Tetrachloride	8.086	117	117501	5.714	ug/l #	16
43) Isopropyl Acetate	8.563	43	192902	4.176	ug/l #	81
45) 1,2-Dichloropropane	9.622	63	9138	0.531	ug/l #	44
48) Methyl methacrylate	9.547	41	39298	1.823	ug/l #	8
49) 1,4-Dioxane	9.622	88	562	1.453	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	17940	0.599	ug/l #	74
53) t-1,3-Dichloropropene	10.714	75	209	2.802	ug/l #	43
54) cis-1,3-Dichloropropene	10.245	75	211497	9.523	ug/l #	71
56) Ethyl methacrylate	10.703	69	707	2.302	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	121766	4.380	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.791	63	27	18.392	ug/l #	45
59) 2-Hexanone	11.089	43	2212001	97.583	ug/l #	48
60) Dibromochloromethane	11.492	129	1148	2.441	ug/l #	11
74) N-amyl acetate	12.197	43	88022	2.176	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	676814	22.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	676814	73.101	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	1158	2.943	ug/l	91
95) Naphthalene	15.507	128	6292	4.100	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.702	180	1191	2.505	ug/l	71

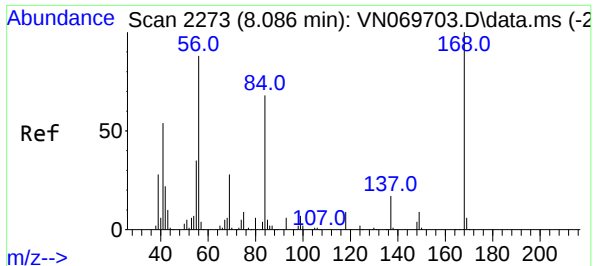
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069938.D
Acq On : 10 Dec 2021 3:21
Operator : JC/MD
Sample : PB141262ZHE#04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

Quant Time: Dec 10 08:13:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

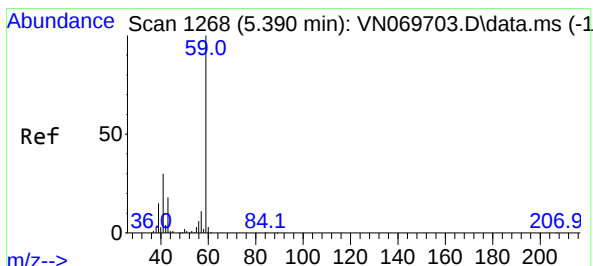
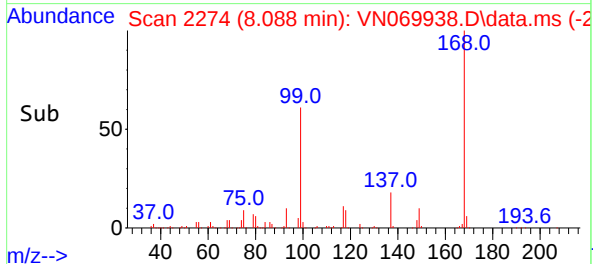
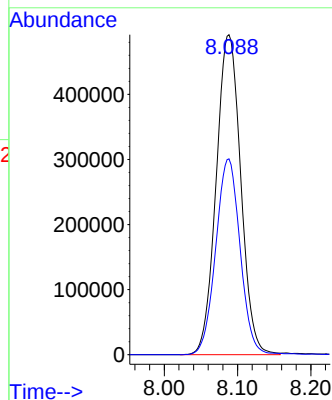
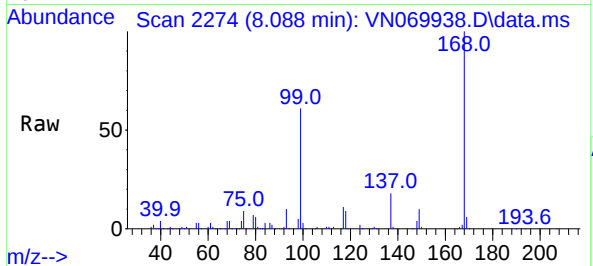




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

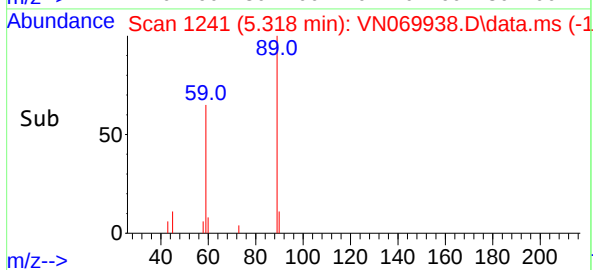
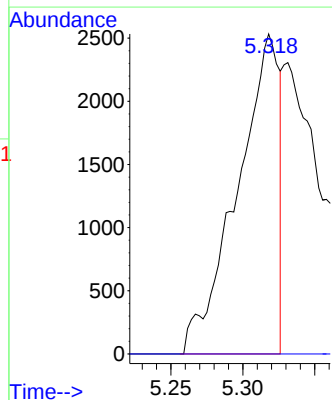
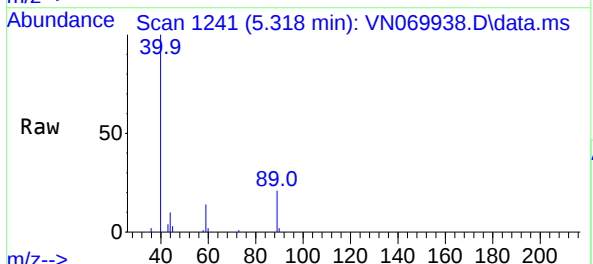
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

Tgt Ion:168 Resp: 1145497
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.533 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 59 Resp: 5124
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

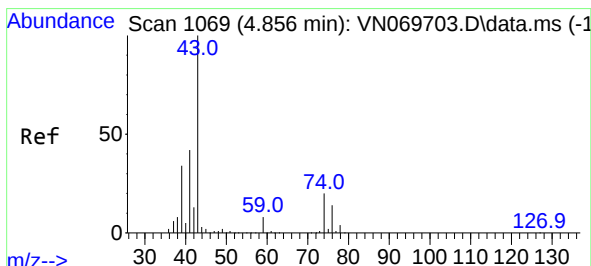
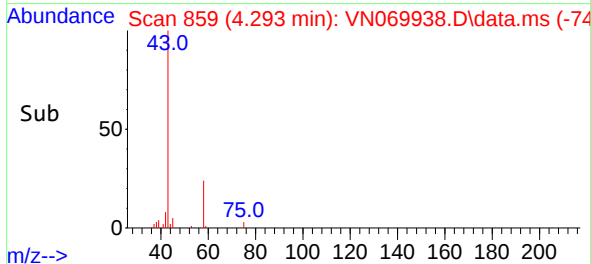
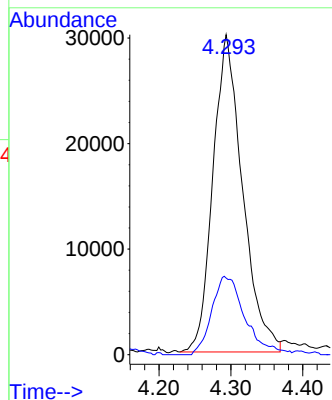
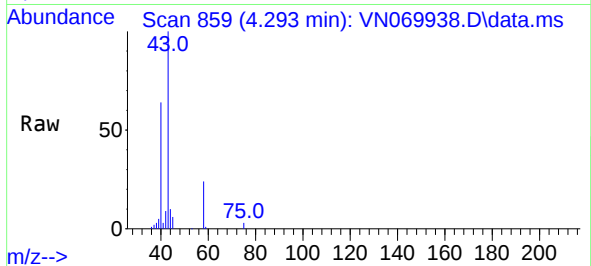




#16
Acetone
Concen: 8.062 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

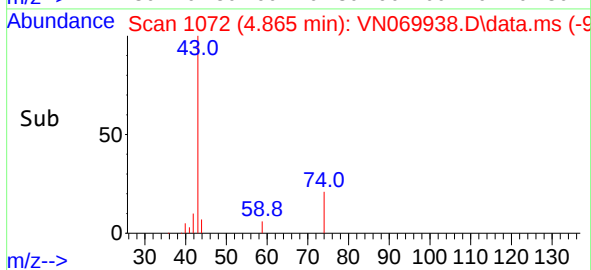
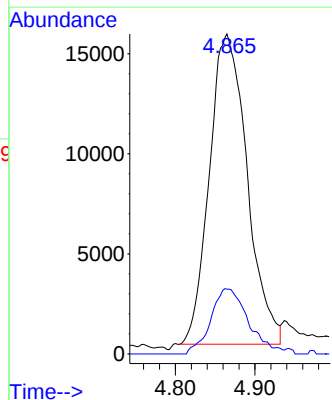
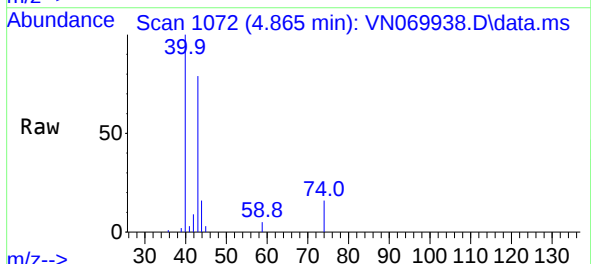
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

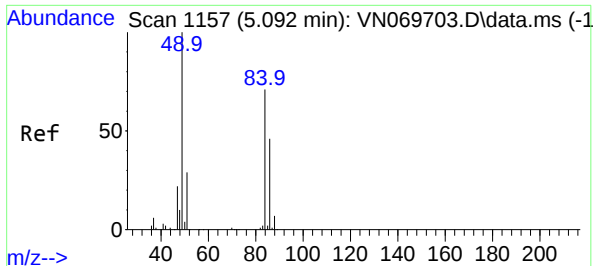
Tgt Ion: 43 Resp: 85777
Ion Ratio Lower Upper
43 100
58 24.1 23.1 34.7



#18
Methyl Acetate
Concen: 1.591 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

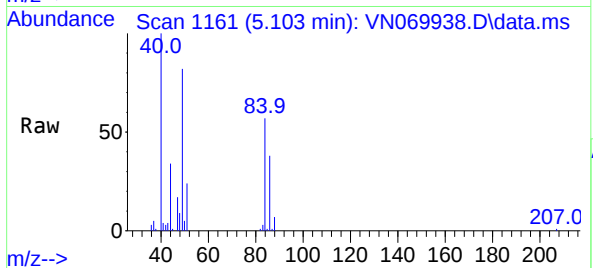
Tgt Ion: 43 Resp: 51078
Ion Ratio Lower Upper
43 100
74 20.5 19.4 29.2



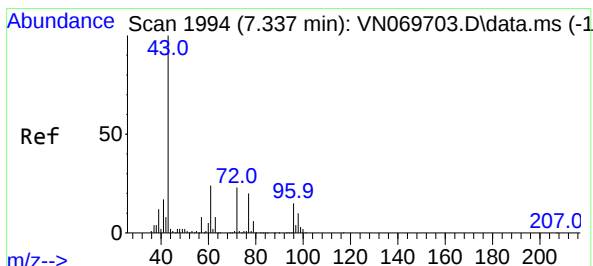
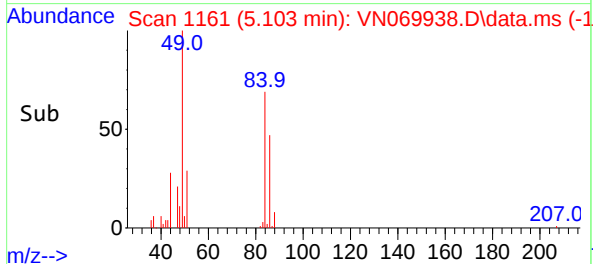
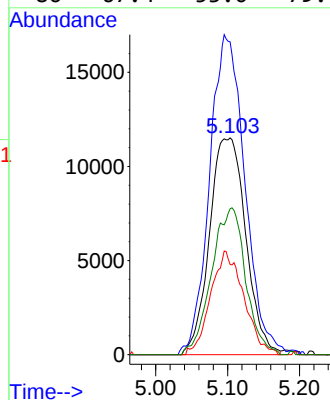


#20
Methylene Chloride
Concen: 2.856 ug/l
RT: 5.103 min Scan# 1157
Delta R.T. 0.011 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

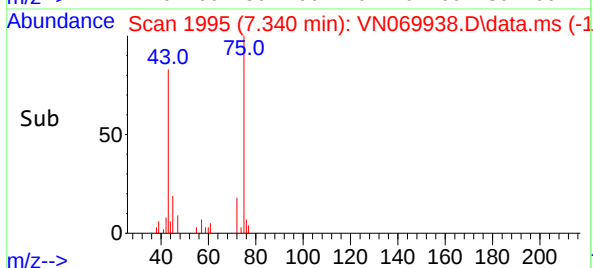
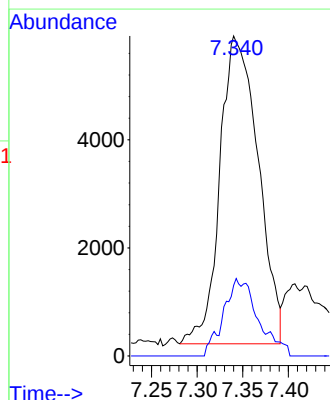
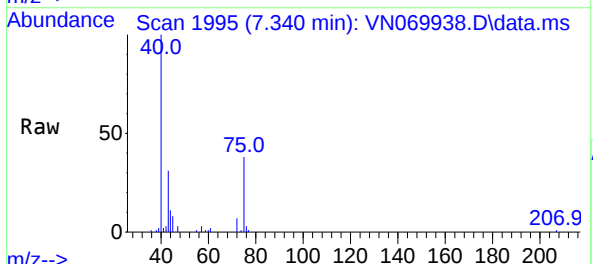


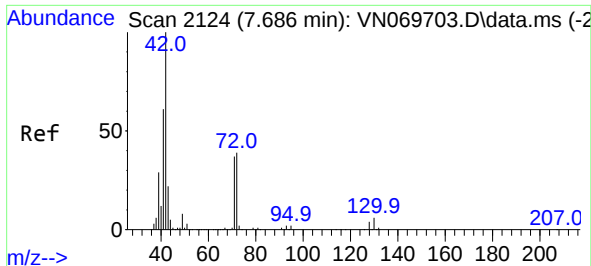
Tgt Ion: 84 Resp: 40397
Ion Ratio Lower Upper
84 100
49 142.4 93.5 140.3#
51 41.6 29.4 44.2
86 67.4 53.0 79.4



#25
2-Butanone
Concen: 1.150 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.003 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 43 Resp: 16624
Ion Ratio Lower Upper
43 100
72 22.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 7.699 min Scan# 2124

Delta R.T. 0.014 min

Lab File: VN069938.D

Acq: 10 Dec 2021 3:21

Instrument :

MSVOA_N

ClientSampleId :

PB141262ZHE#04

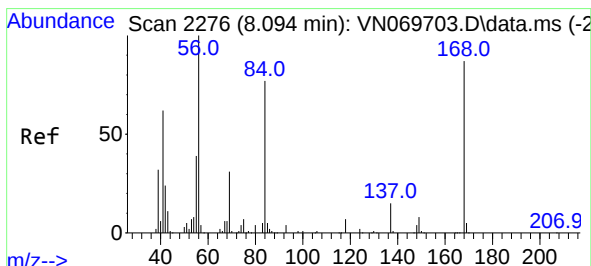
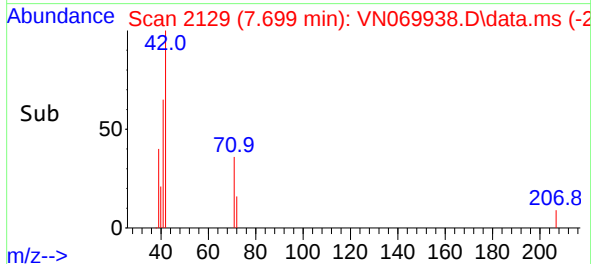
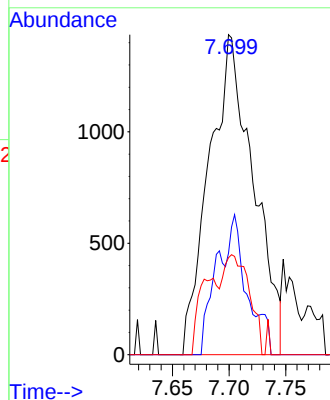
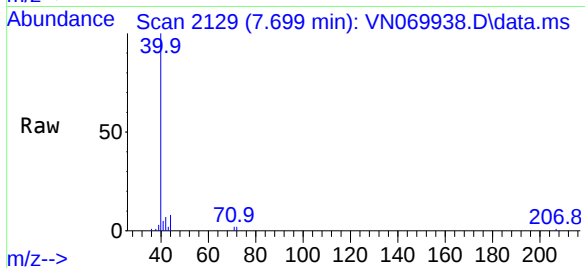
Tgt Ion: 42 Resp: 3883

Ion Ratio Lower Upper

42 100

72 10.4 36.3 54.5#

71 18.5 34.7 52.1#



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069938.D

Acq: 10 Dec 2021 3:21

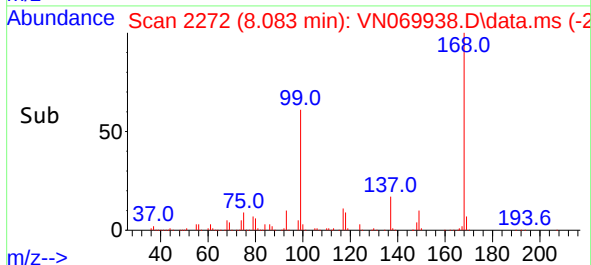
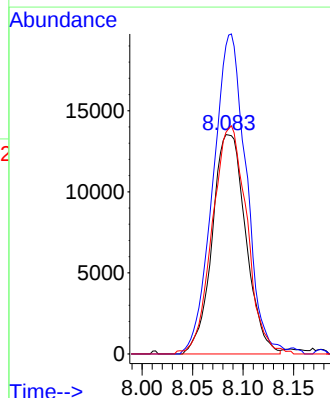
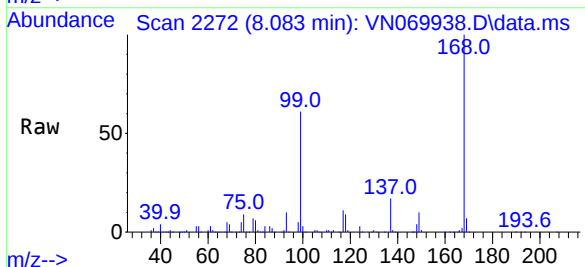
Tgt Ion: 56 Resp: 31198

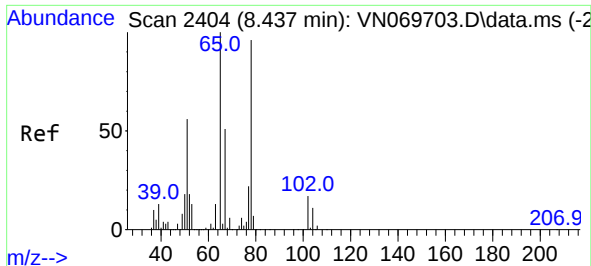
Ion Ratio Lower Upper

56 100

69 140.6 27.1 40.7#

84 99.6 73.4 110.0

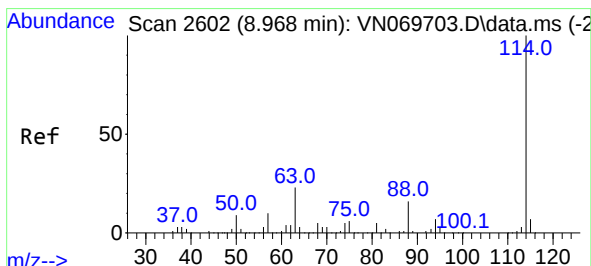
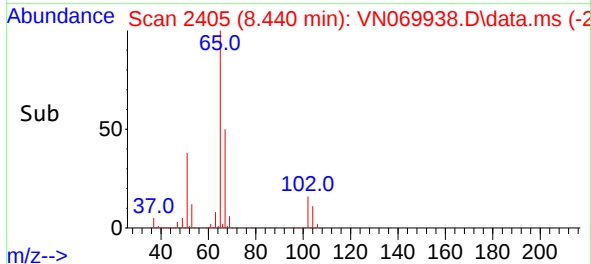
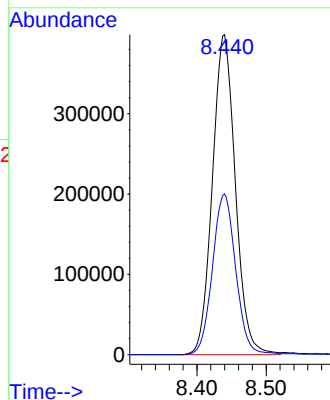
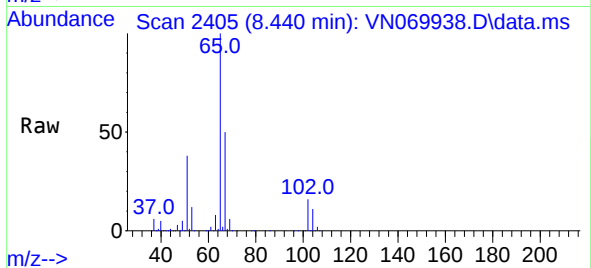




#33
1,2-Dichloroethane-d4
Concen: 51.917 ug/l
RT: 8.440 min Scan# 24
Delta R.T. 0.003 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

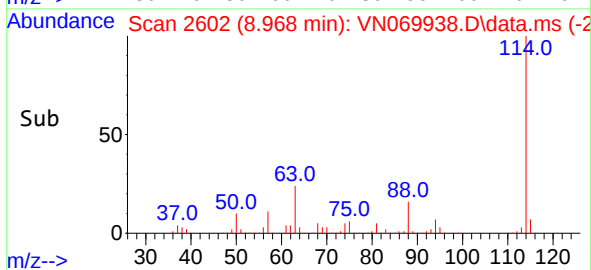
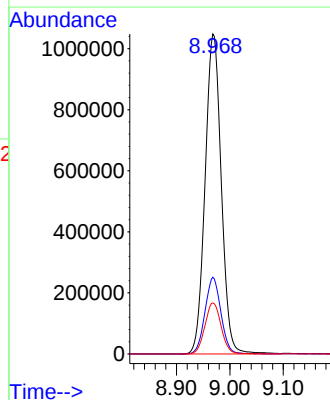
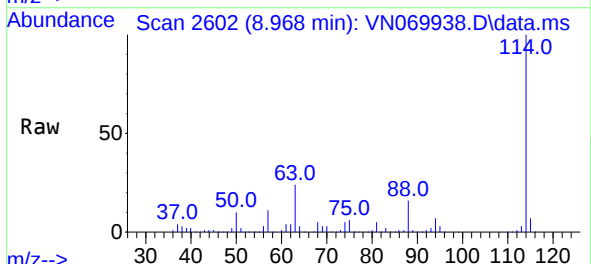
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

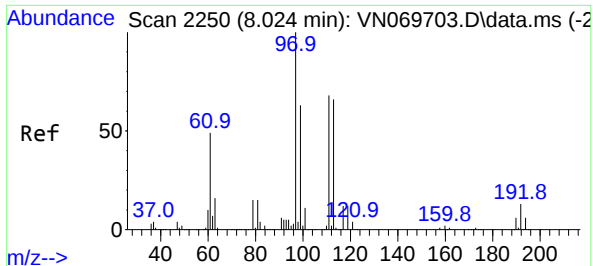
Tgt Ion: 65 Resp: 918222
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 114 Resp: 2202978
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.0 0.0 27.4

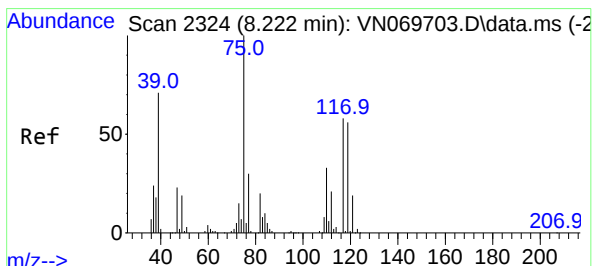
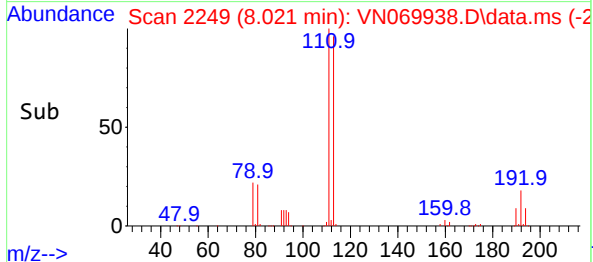
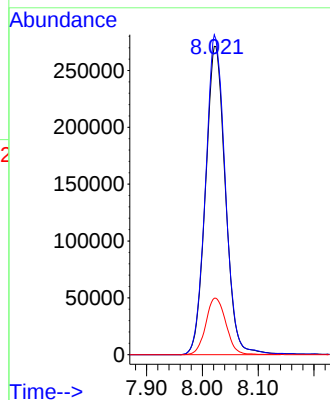
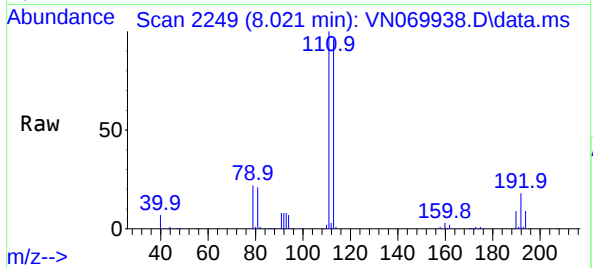




#35
Dibromofluoromethane
Concen: 48.734 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

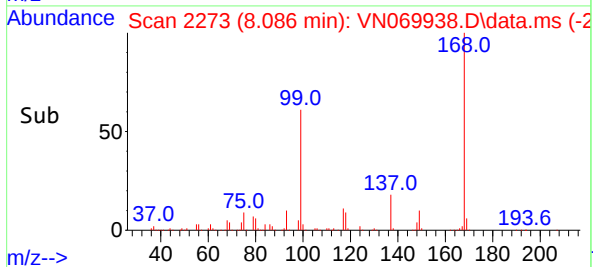
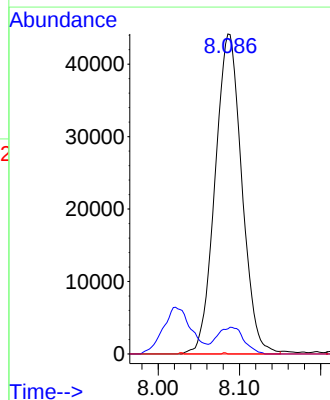
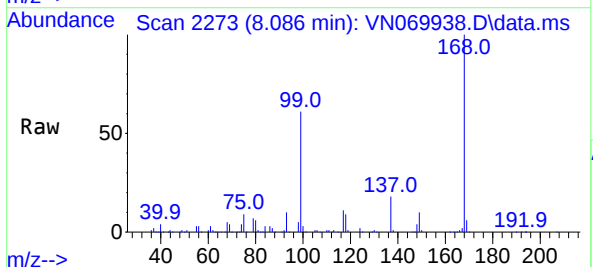
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

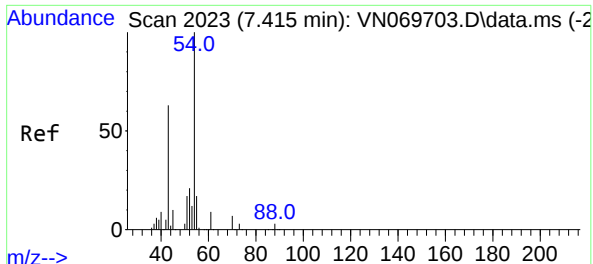
Tgt Ion:113 Resp: 672486
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 75 Resp: 100973
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.1 24.4 36.6#

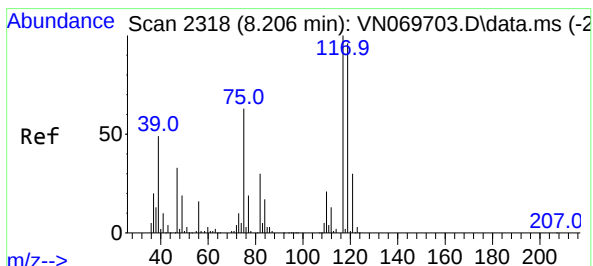
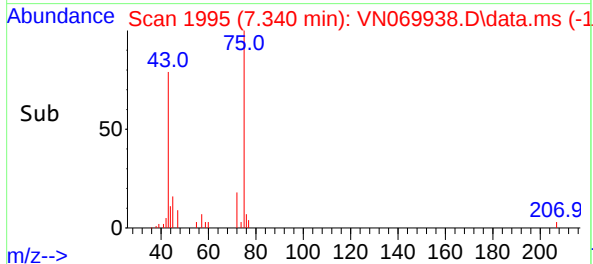
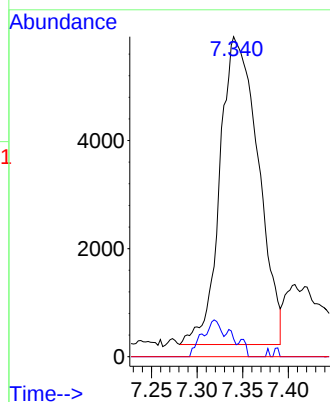
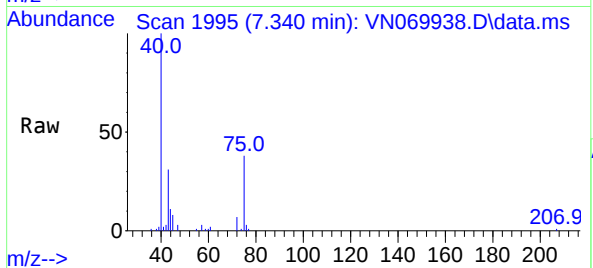




#37
Ethyl Acetate
Concen: 0.533 ug/l
RT: 7.340 min Scan# 11
Delta R.T. -0.075 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

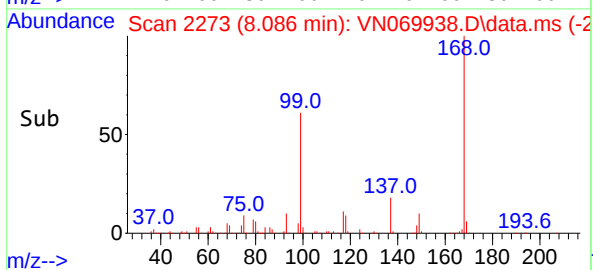
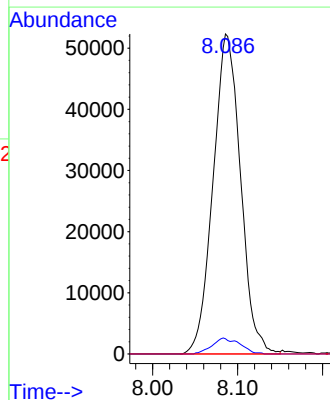
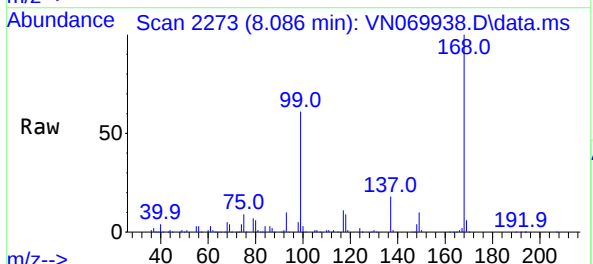
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

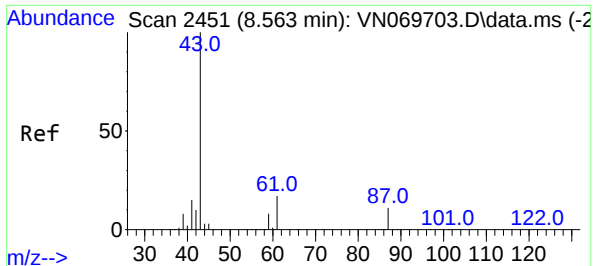
Tgt Ion: 43 Resp: 16624
Ion Ratio Lower Upper
43 100
61 0.8 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.714 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 117 Resp: 117501
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#

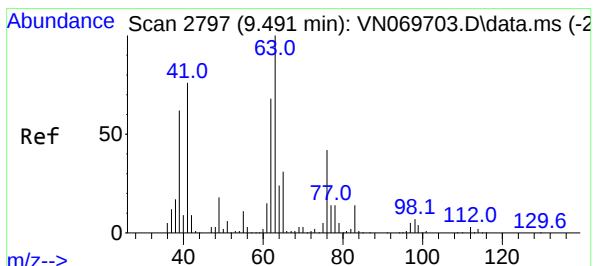
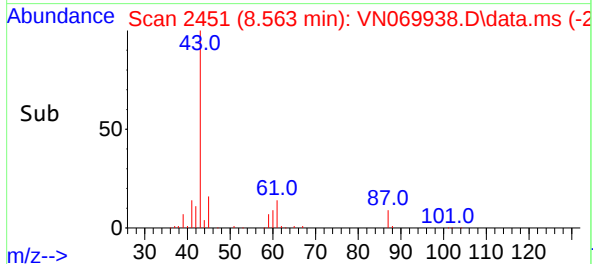
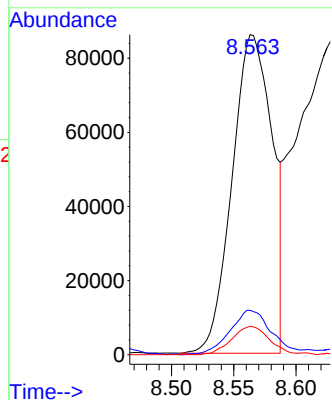
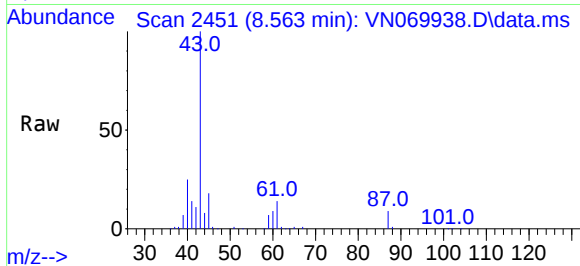




#43
Isopropyl Acetate
Concen: 4.176 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

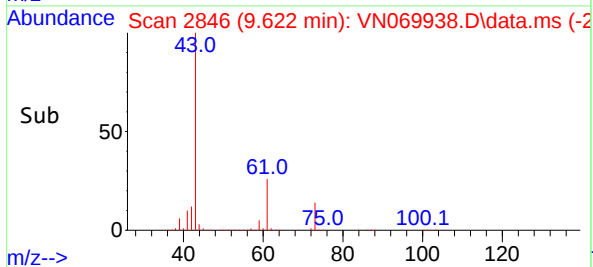
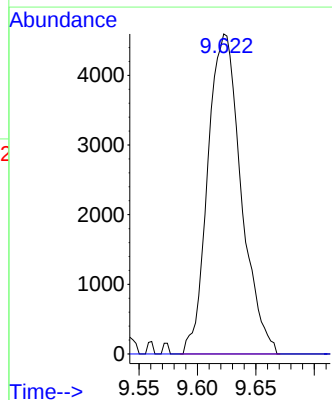
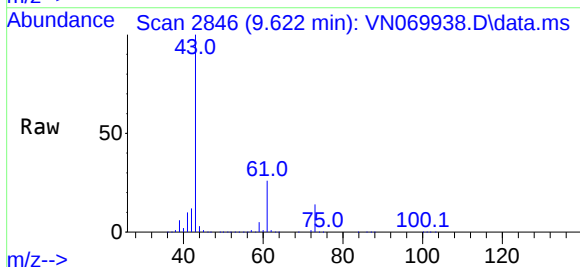
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

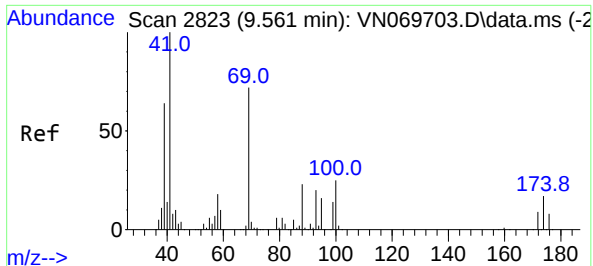
Tgt Ion: 43 Resp: 192902
Ion Ratio Lower Upper
43 100
61 14.4 20.4 30.6#
87 8.3 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.531 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 63 Resp: 9138
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

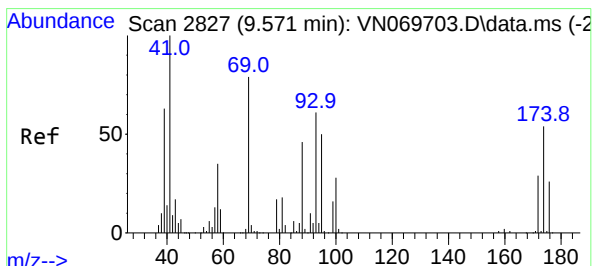
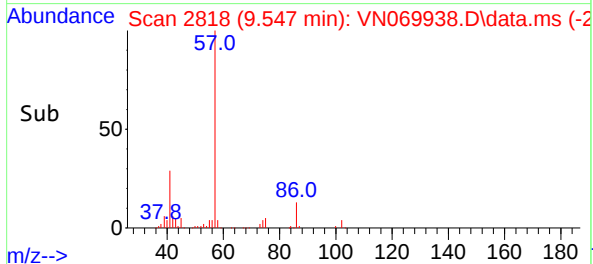
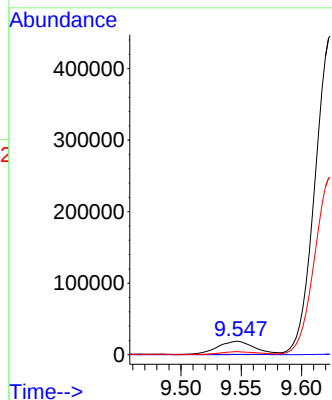
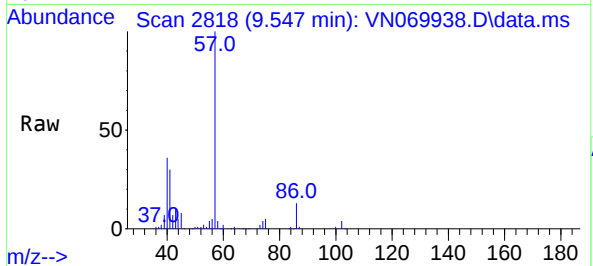




#48
Methyl methacrylate
Concen: 1.823 ug/l
RT: 9.547 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

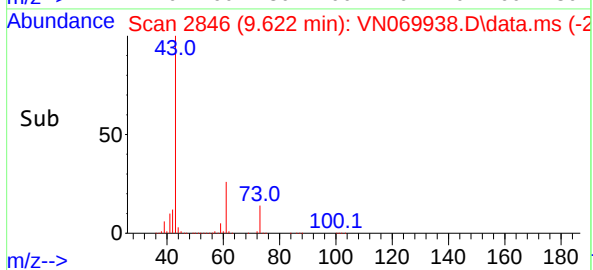
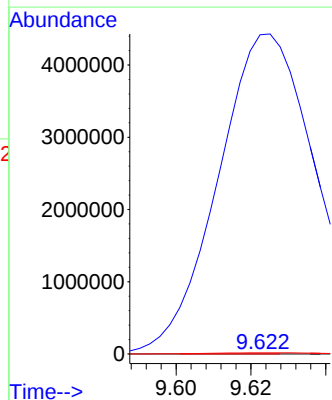
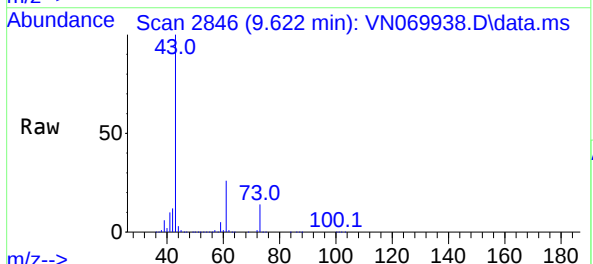
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

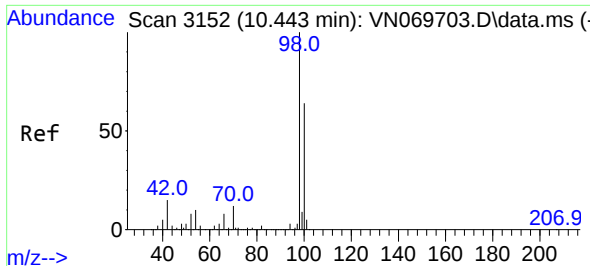
Tgt Ion: 41 Resp: 39298
Ion Ratio Lower Upper
41 100
69 0.4 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.453 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.051 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 88 Resp: 562
Ion Ratio Lower Upper
88 100
43 1509155.3 23.4 35.2#
58 5753.2 50.6 75.8#

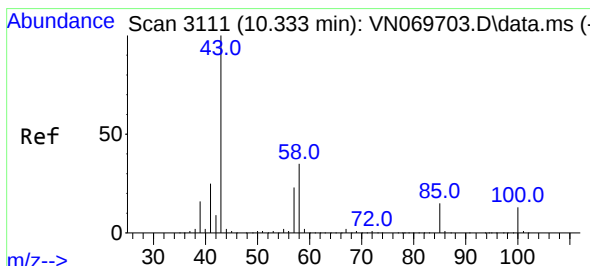
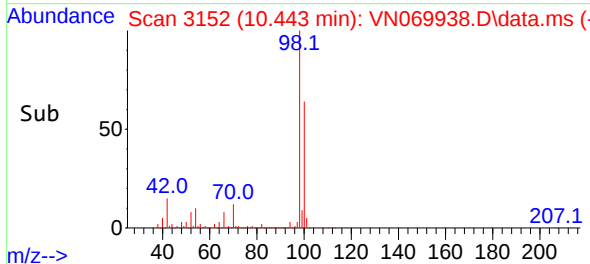
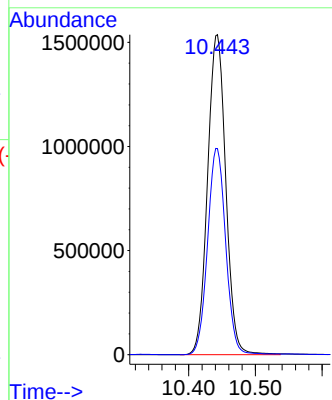
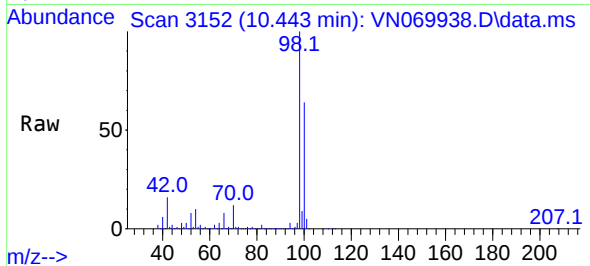




#50
Toluene-d8
Concen: 52.562 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

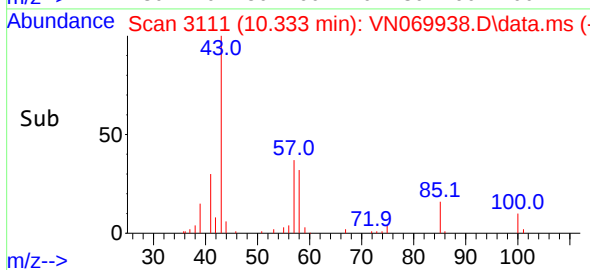
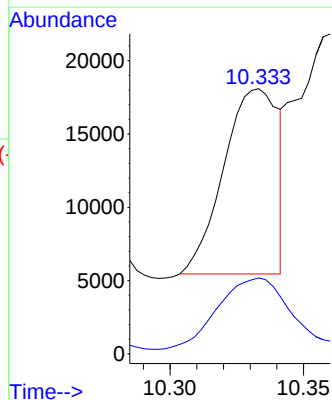
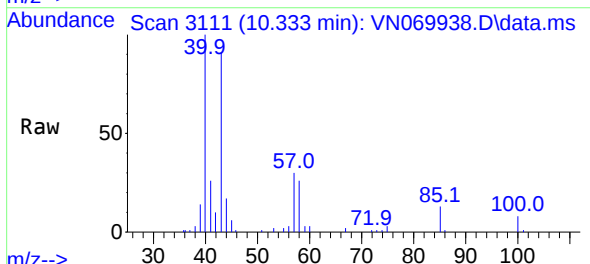
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

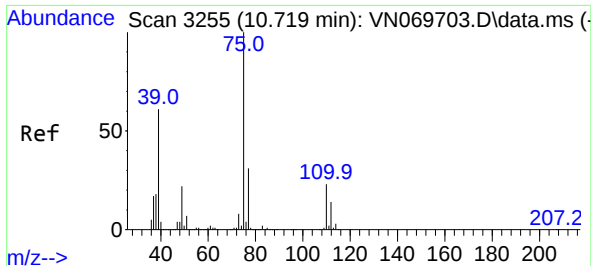
Tgt Ion: 98 Resp: 2912320
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 43 Resp: 17940
Ion Ratio Lower Upper
43 100
58 53.9 30.4 45.6#

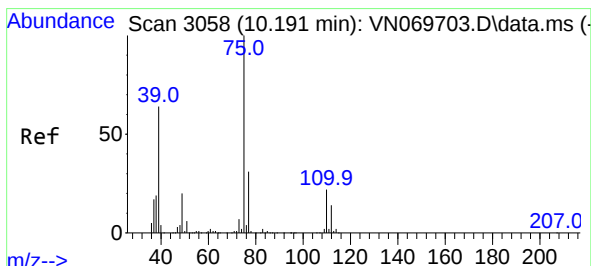
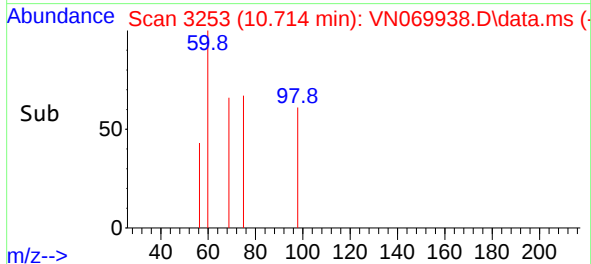
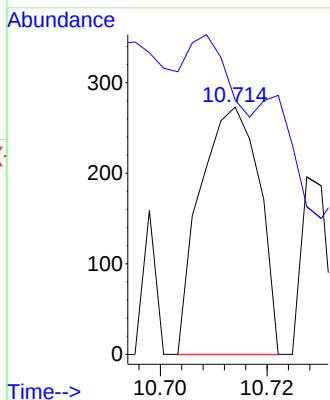
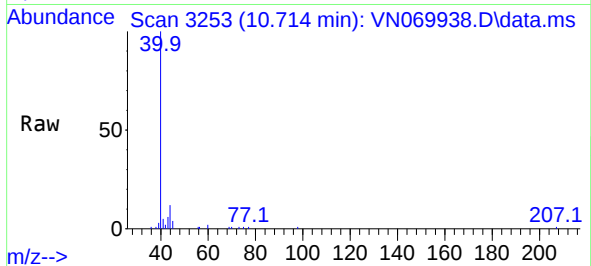




#53
t-1,3-Dichloropropene
Concen: 2.802 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

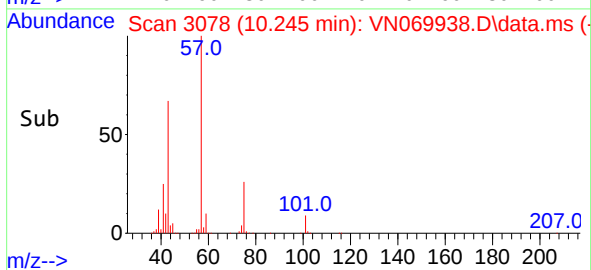
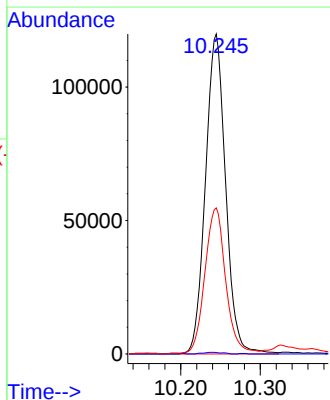
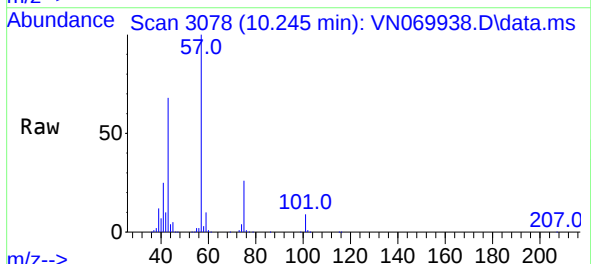
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

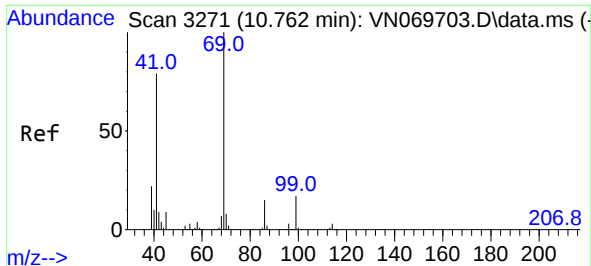
Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 9.523 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 75 Resp: 211497
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 45.4 42.5 63.7

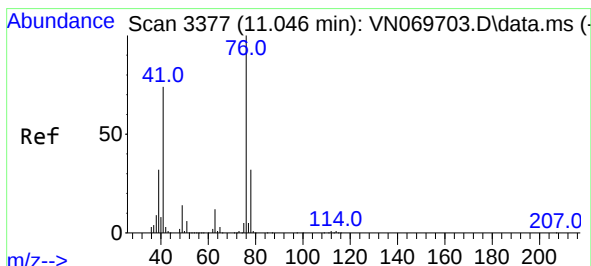
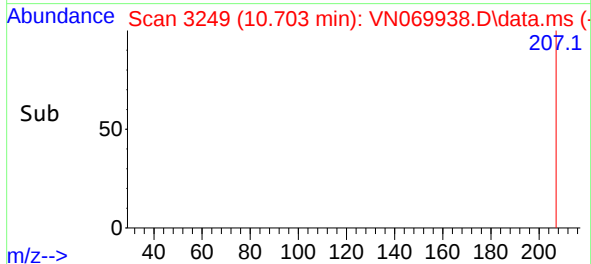
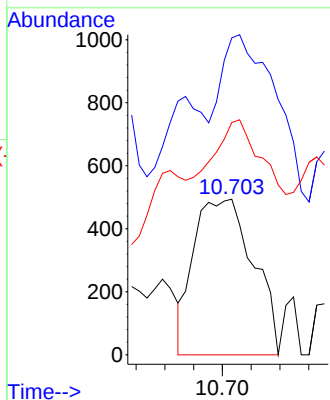
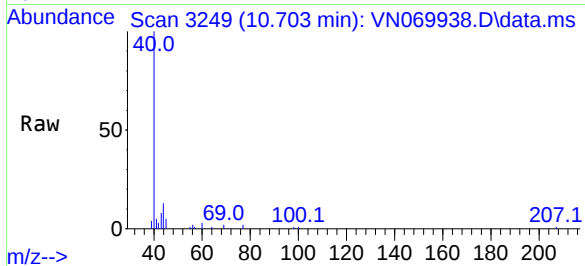




#56
Ethyl methacrylate
Concen: 2.302 ug/l
RT: 10.703 min Scan# 31
Delta R.T. -0.059 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

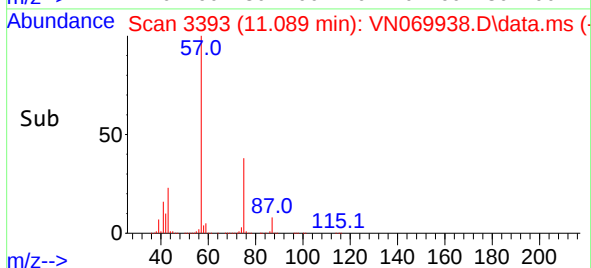
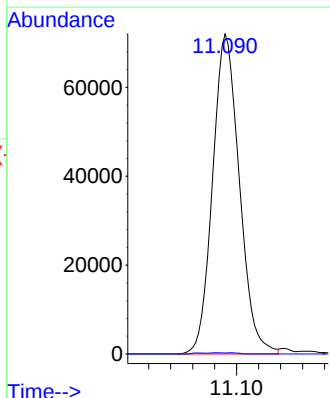
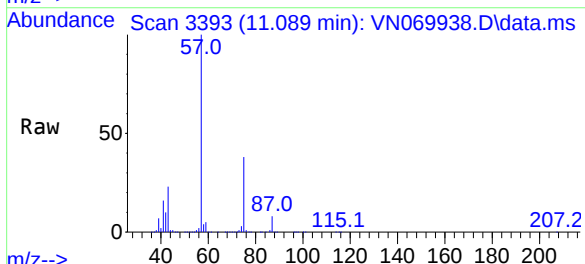
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

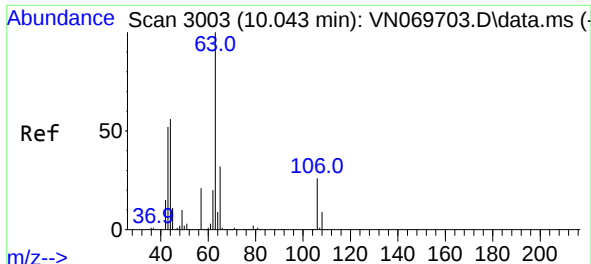
Tgt Ion: 69 Resp: 707
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.380 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 76 Resp: 121766
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

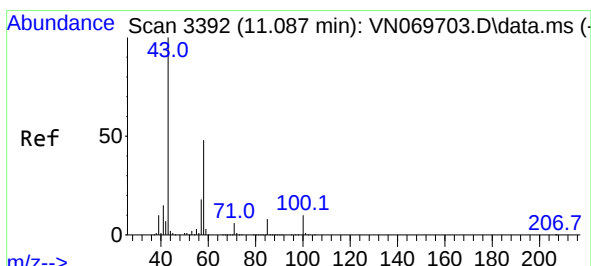
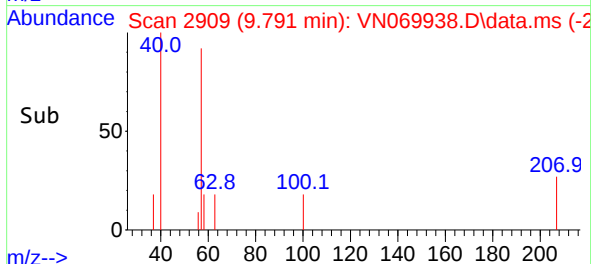
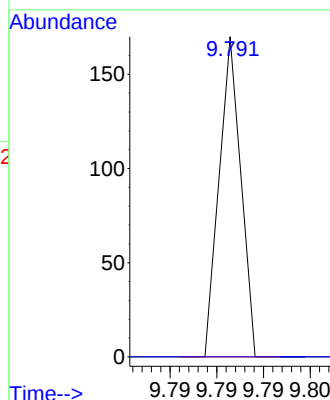
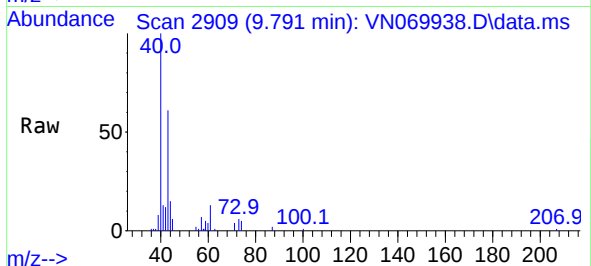




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 9.791 min Scan# 21
Delta R.T. -0.252 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

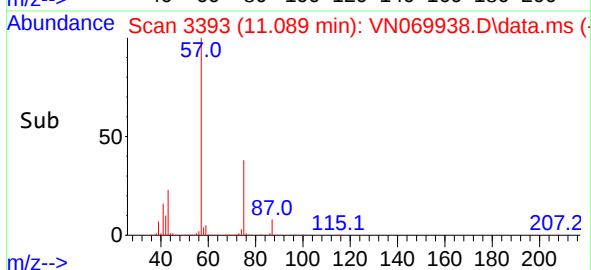
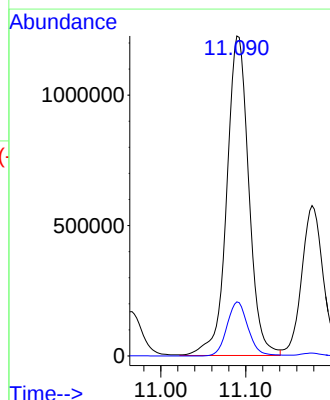
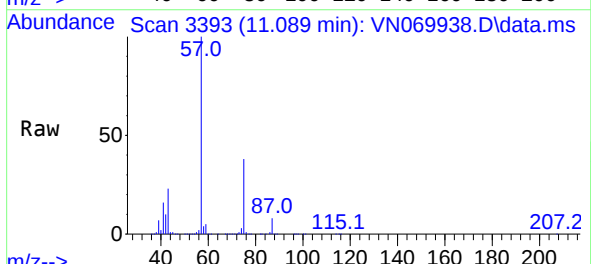
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

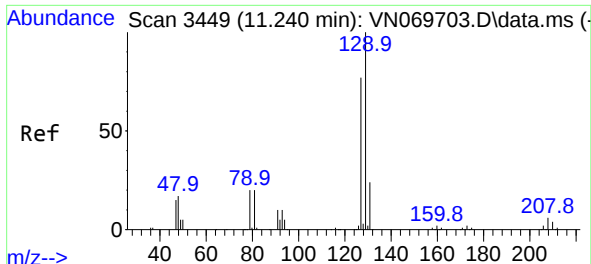
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 97.583 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 43 Resp: 2212001
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#

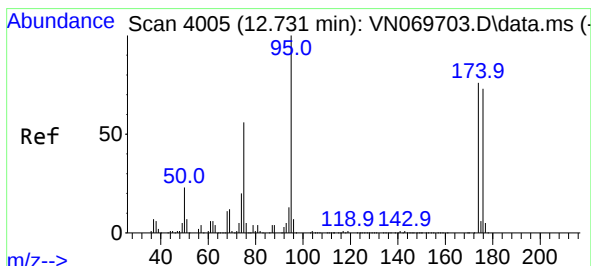
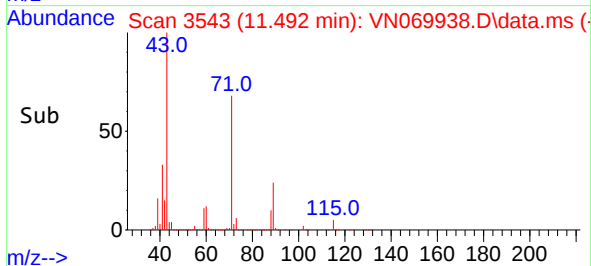
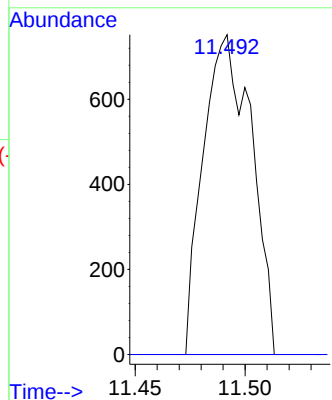
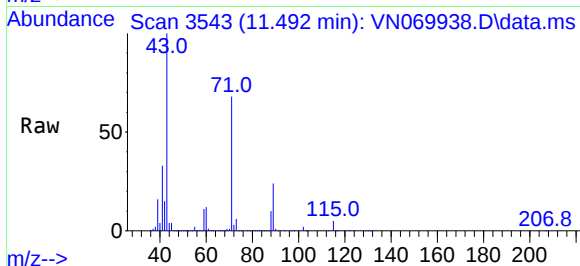




#60
Dibromochloromethane
Concen: 2.441 ug/l
RT: 11.492 min Scan# 311
Delta R.T. 0.252 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

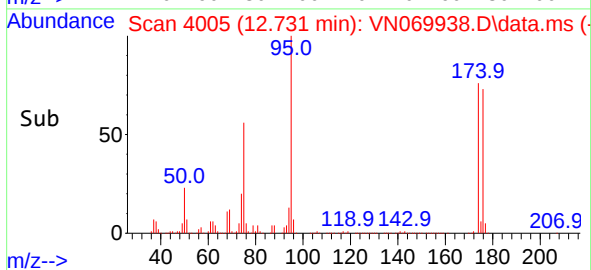
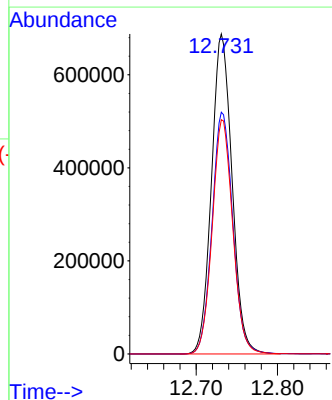
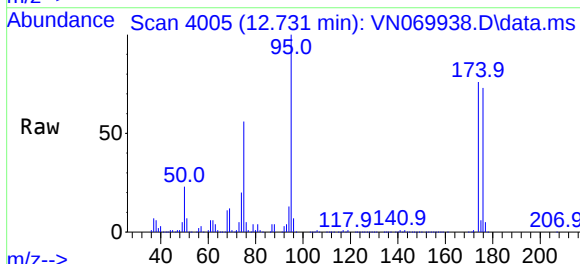
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

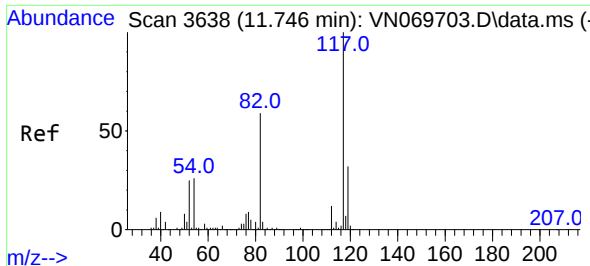
Tgt Ion:129 Resp: 1148
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 60.175 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 95 Resp: 1207883
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.2 0.0 181.4

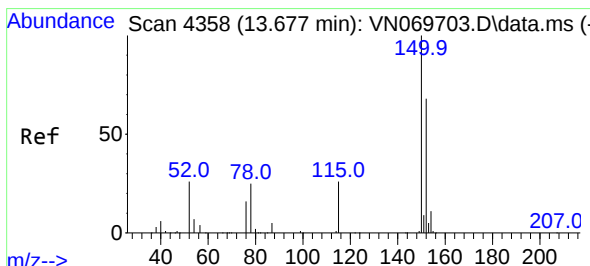
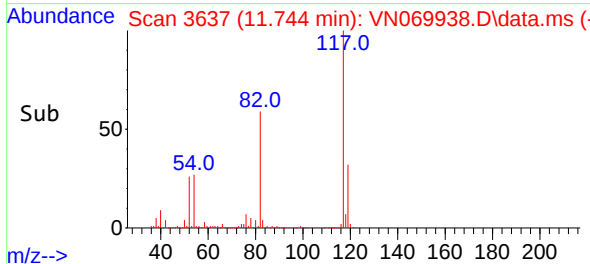
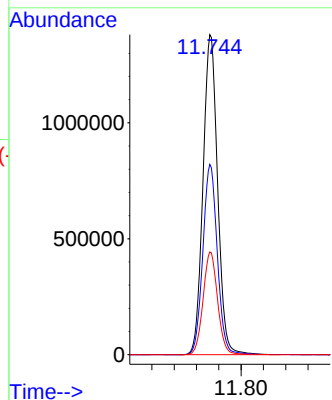
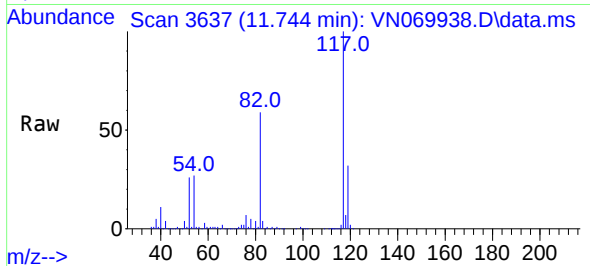




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

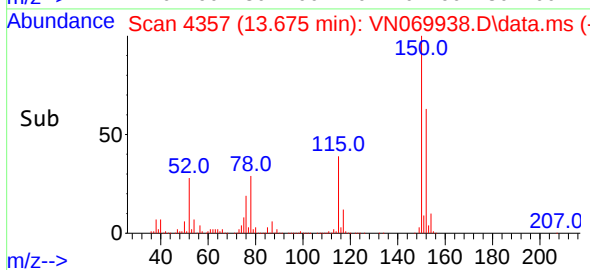
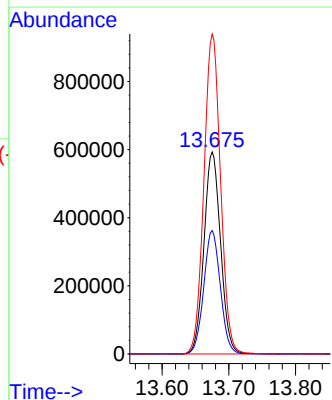
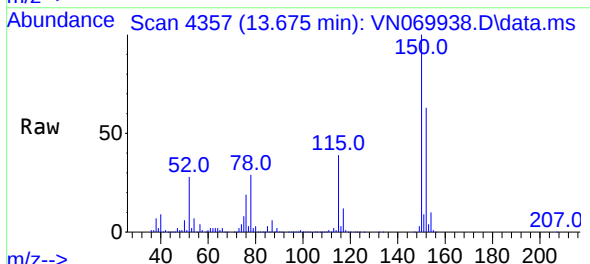
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

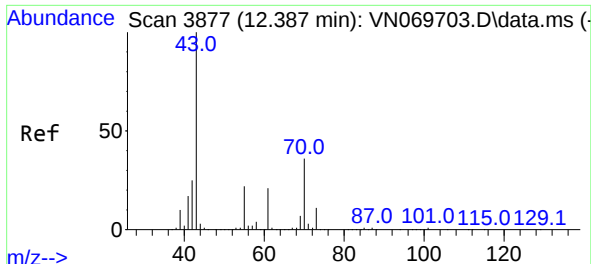
Tgt Ion:117 Resp: 2510051
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion:152 Resp: 1027929
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.0 0.0 344.4

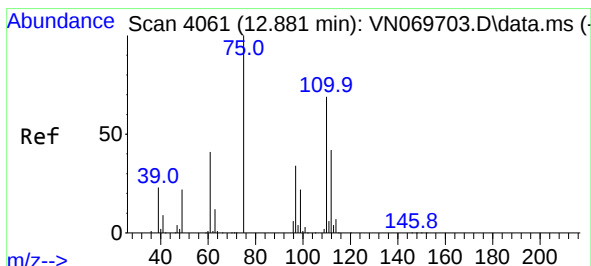
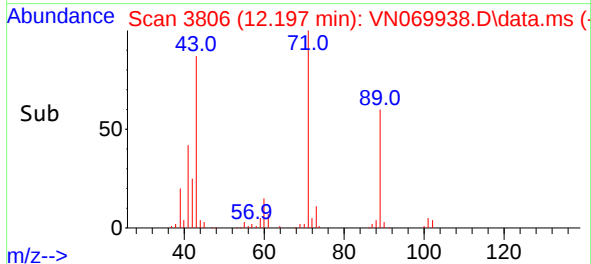
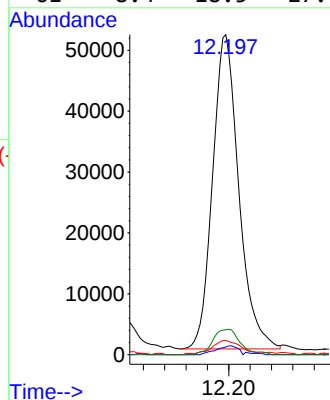
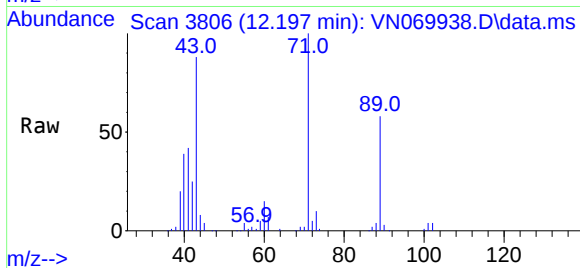




#74
N-amy1 acetate
Concen: 2.176 ug/l
RT: 12.197 min Scan# 31
Delta R.T. -0.190 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

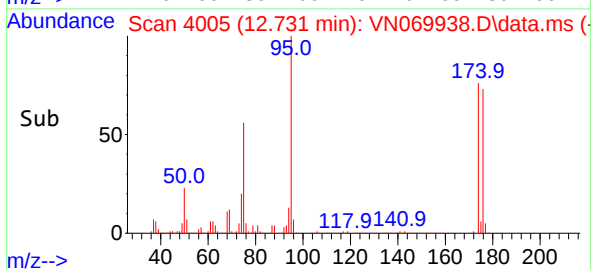
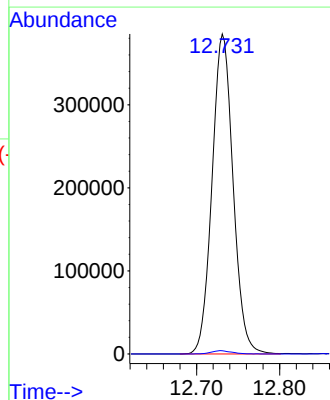
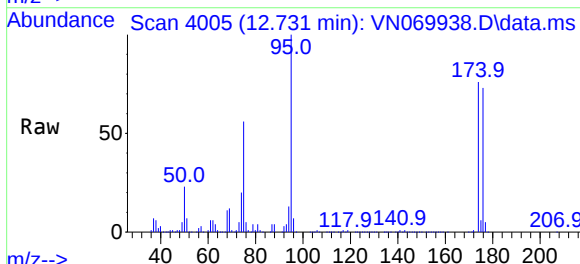
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

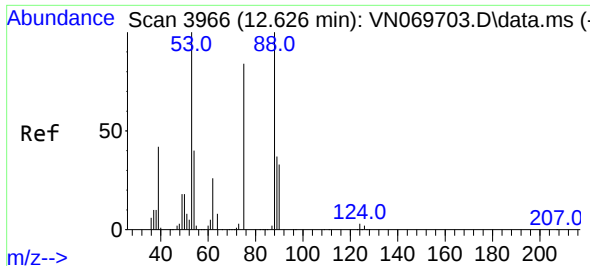
Tgt Ion: 43	Resp: 88022
Ion Ratio	Lower Upper
43 100	
70 2.4	33.4 50.0#
55 5.1	19.3 28.9#
61 8.4	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 22.959 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 75	Resp: 676814
Ion Ratio	Lower Upper
75 100	
77 1.0	82.6 247.8#

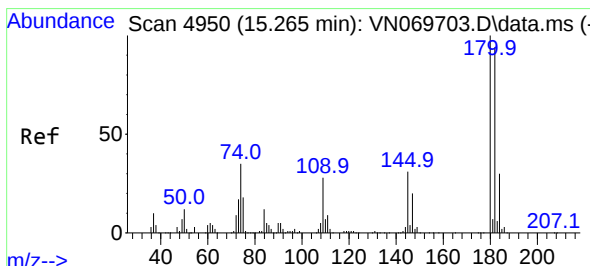
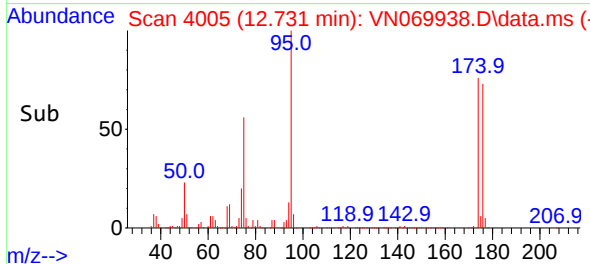
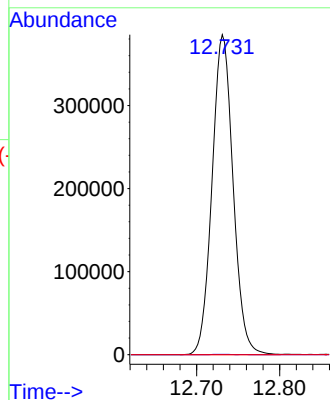
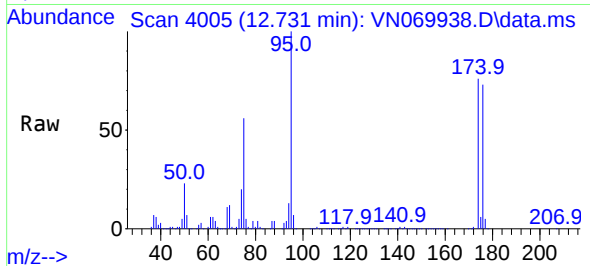




#81
trans-1,4-Dichloro-2-butene
Concen: 73.101 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

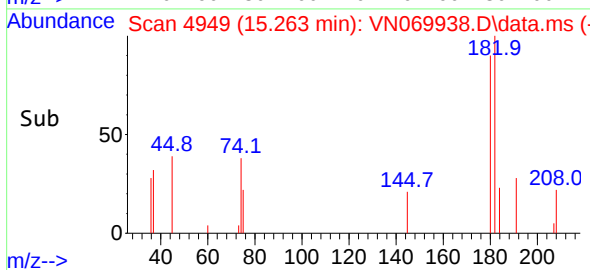
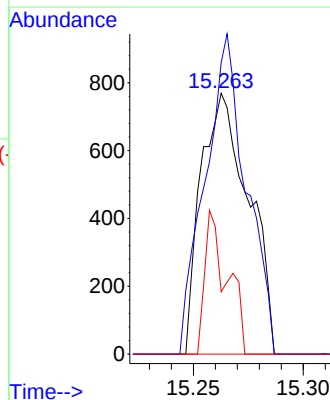
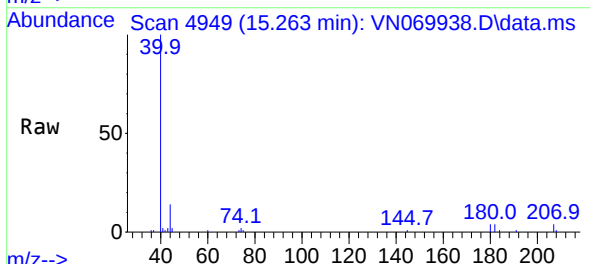
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

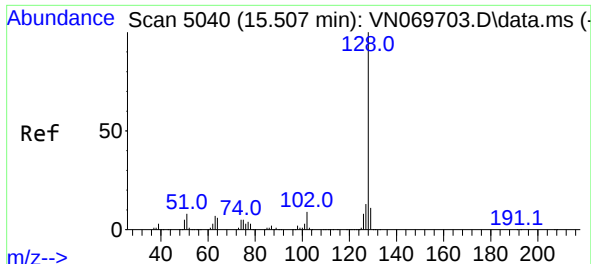
Tgt Ion: 75 Resp: 676814
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.943 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion: 180 Resp: 1158
Ion Ratio Lower Upper
180 100
182 106.3 48.3 144.9
145 25.6 14.5 43.5

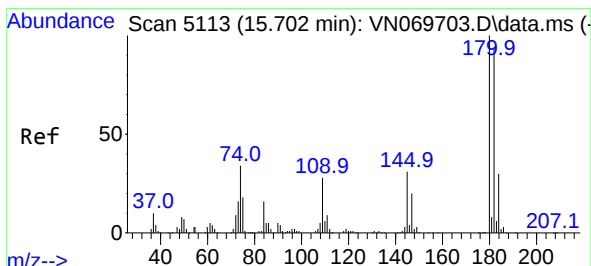
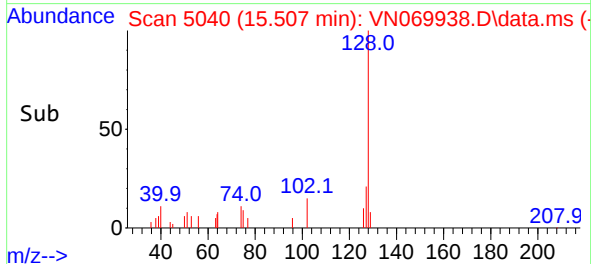
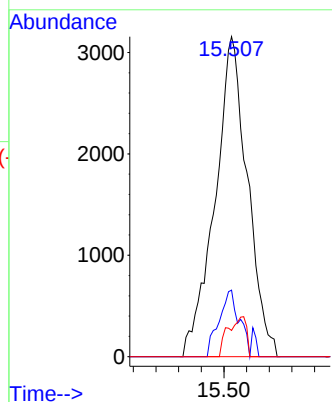
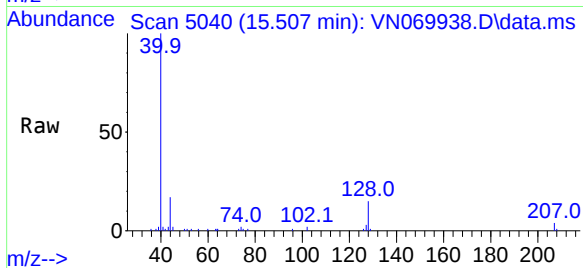




#95
Naphthalene
Concen: 4.100 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#04

Tgt Ion:128 Resp: 6292
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.505 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069938.D
Acq: 10 Dec 2021 3:21

Tgt Ion:180 Resp: 1191
Ion Ratio Lower Upper
180 100
182 65.1 47.4 142.2
145 17.0 15.0 45.1

