

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070943.D
 Acq On : 3 Feb 2022 20:49
 Operator : JC/MD
 Sample : N1342-15DL 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 04:46:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

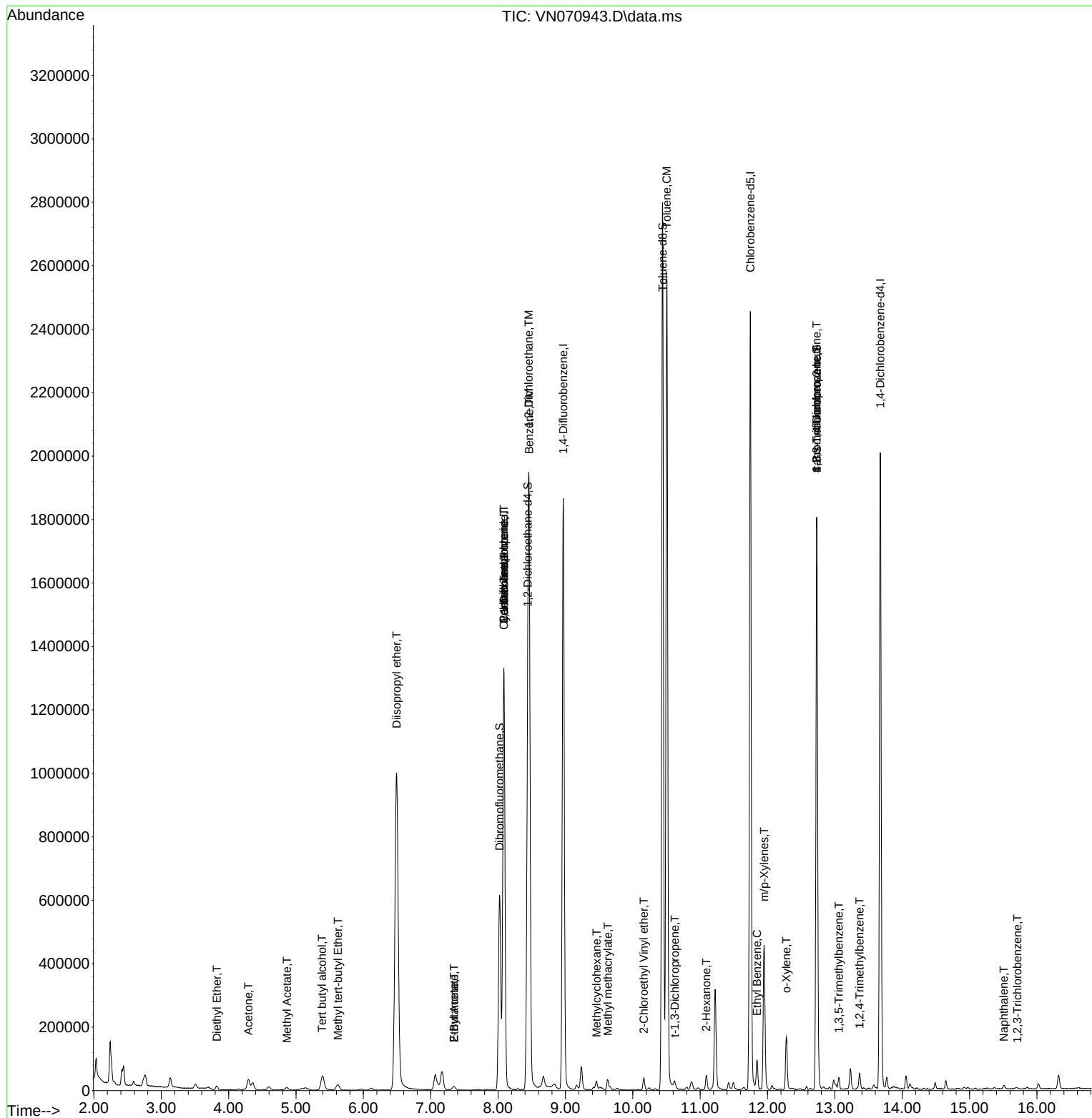
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1015173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1609041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1428341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	554554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	640319	46.598	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.200%		
35) Dibromofluoromethane	8.021	113	468195	48.573	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.140%		
50) Toluene-d8	10.443	98	1954036	49.373	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.740%		
62) 4-Bromofluorobenzene	12.731	95	663913	46.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.120%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.824	74	6535	0.849	ug/l	66
11) Tert butyl alcohol	5.385	59	24966	8.646	ug/l #	93
16) Acetone	4.293	43	62566	7.615	ug/l	99
18) Methyl Acetate	4.867	43	17520	0.469	ug/l #	77
19) Methyl tert-butyl Ether	5.624	73	19359	0.496	ug/l #	32
22) Diisopropyl ether	6.493	45	40478	0.897	ug/l #	1
25) 2-Butanone	7.348	43	18084	1.525	ug/l	91
31) Cyclohexane	8.088	56	36474	1.562	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	80277	5.127	ug/l #	48
37) Ethyl Acetate	7.348	43	18084	0.838	ug/l #	68
38) Carbon Tetrachloride	8.086	117	97966	6.851	ug/l #	16
39) Methylcyclohexane	9.464	83	11184	0.581	ug/l	93
40) Benzene	8.461	78	1671202	33.970	ug/l	99
42) 1,2-Dichloroethane	8.456	62	14699	0.878	ug/l	91
48) Methyl methacrylate	9.630	41	4022	0.257	ug/l #	36
52) Toluene	10.505	92	1136918	37.298	ug/l	97
53) t-1,3-Dichloropropene	10.623	75	5880	0.328	ug/l #	73
58) 2-Chloroethyl Vinyl ether	10.161	63	1466	19.897	ug/l #	81
59) 2-Hexanone	11.089	43	11516	0.739	ug/l	70
67) Ethyl Benzene	11.846	91	67739	1.243	ug/l	98
68) m/p-Xylenes	11.950	106	141572	7.011	ug/l	93
69) o-Xylene	12.280	106	45190	2.236	ug/l	91
76) 1,2,3-Trichloropropane	12.731	75	343341	25.722	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	16960	0.432	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.731	75	343341	69.724	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	29464	0.768	ug/l	96
95) Naphthalene	15.507	128	6831	3.763	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.708	180	1107	1.811	ug/l #	61

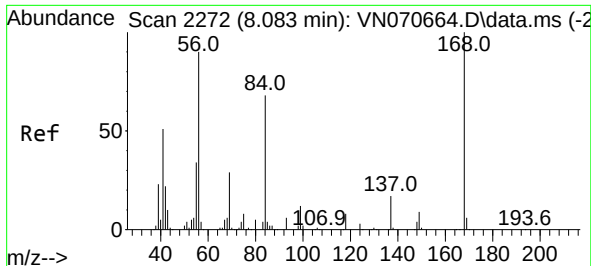
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
Data File : VN070943.D
Acq On : 3 Feb 2022 20:49
Operator : JC/MD
Sample : N1342-15DL 200X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 04 04:46:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 02 15:30:39 2022
Response via : Initial Calibration

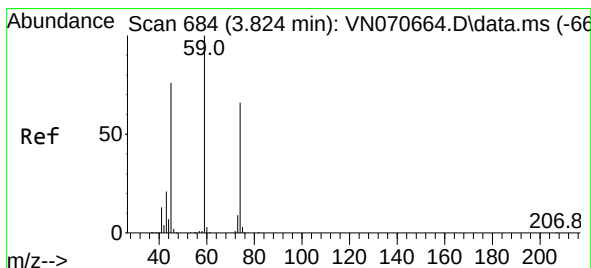
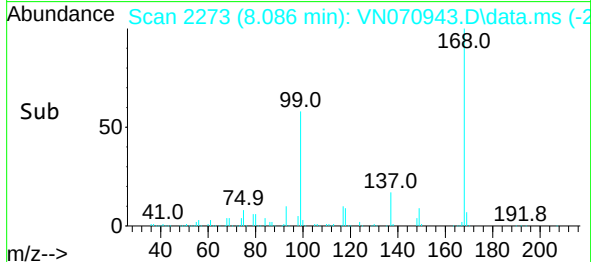
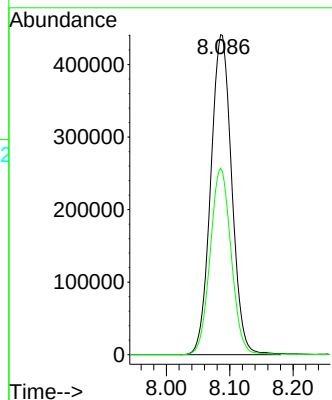
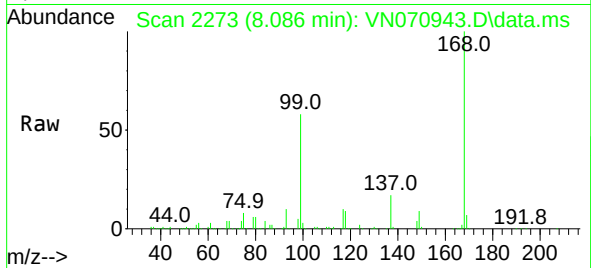




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

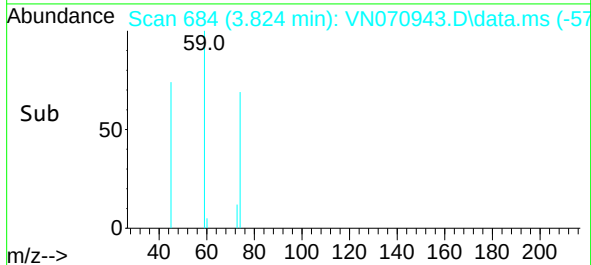
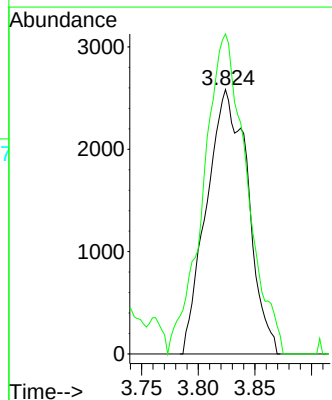
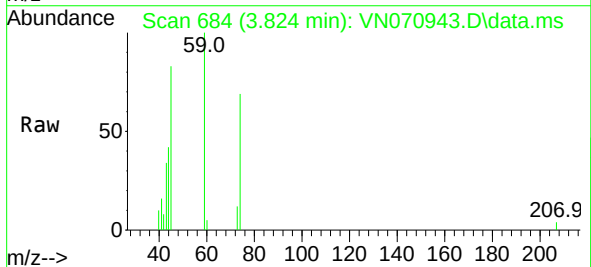
Instrument :
MSVOA_N
ClientSampleId :

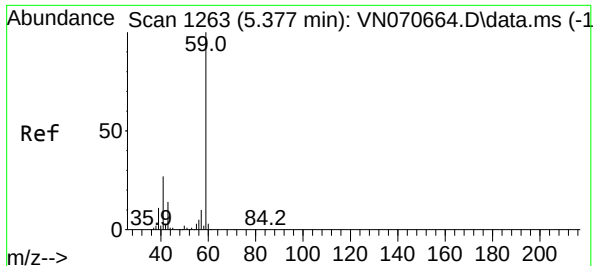
Tgt Ion:168 Resp: 1015173
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#8
Diethyl Ether
Concen: 0.849 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 74 Resp: 6535
Ion Ratio Lower Upper
74 100
45 127.3 47.0 141.2





#11

Tert butyl alcohol

Concen: 8.646 ug/l

RT: 5.385 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

Instrument :

MSVOA_N

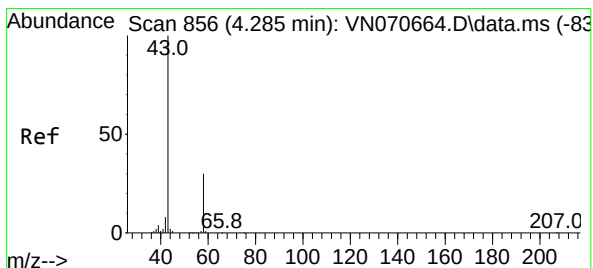
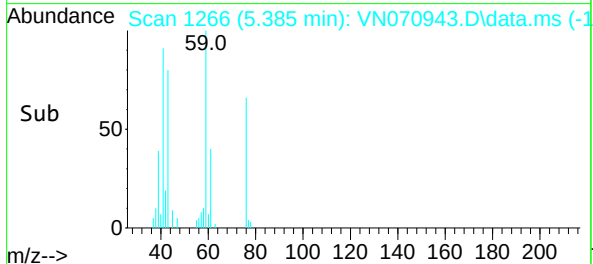
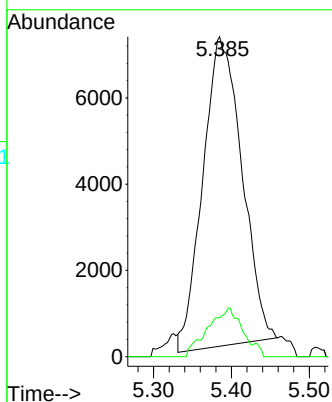
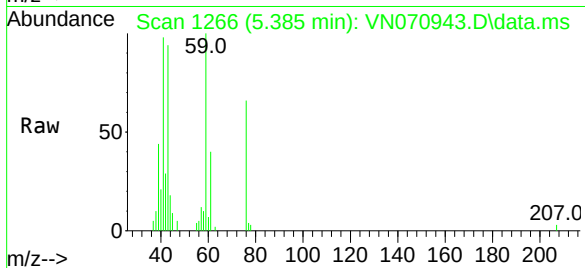
ClientSampleId :

Tgt Ion: 59 Resp: 24966

Ion Ratio Lower Upper

59 100

57 13.5 8.7 13.1#



#16

Acetone

Concen: 7.615 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070943.D

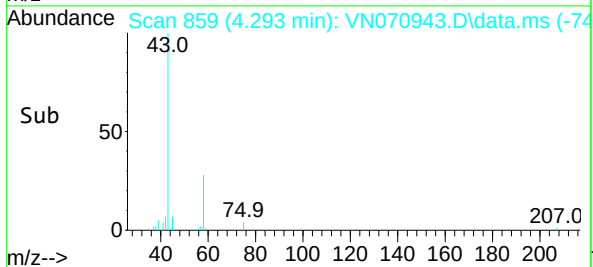
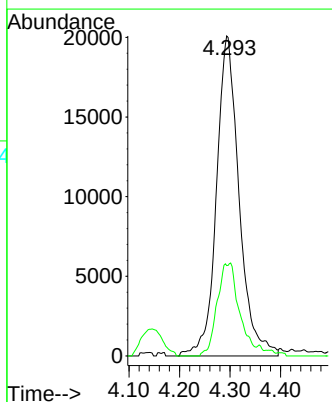
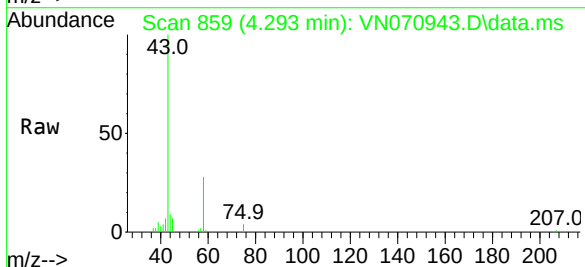
Acq: 3 Feb 2022 20:49

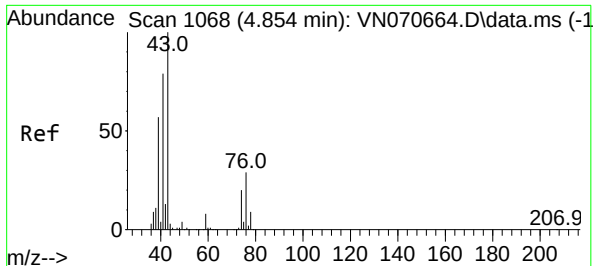
Tgt Ion: 43 Resp: 62566

Ion Ratio Lower Upper

43 100

58 28.3 23.1 34.7





#18

Methyl Acetate

Concen: 0.469 ug/l

RT: 4.867 min Scan# 1068

Delta R.T. 0.013 min

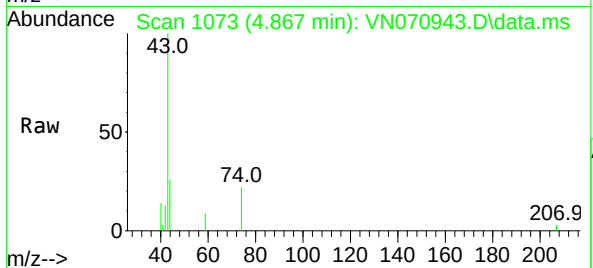
Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

Instrument :

MSVOA_N

ClientSampleId :

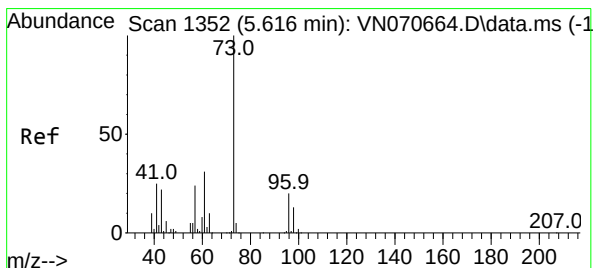
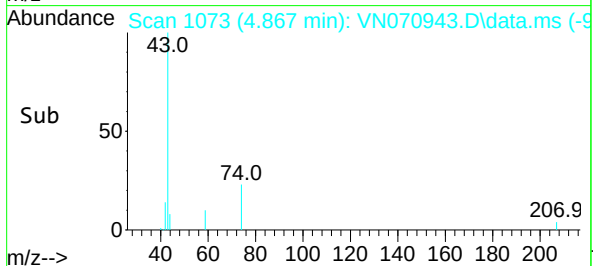
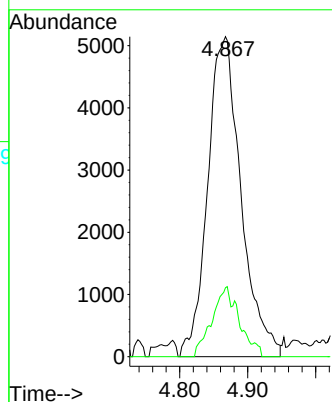


Tgt Ion: 43 Resp: 17520

Ion Ratio Lower Upper

43 100

74 12.7 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 0.496 ug/l

RT: 5.624 min Scan# 1355

Delta R.T. 0.008 min

Lab File: VN070943.D

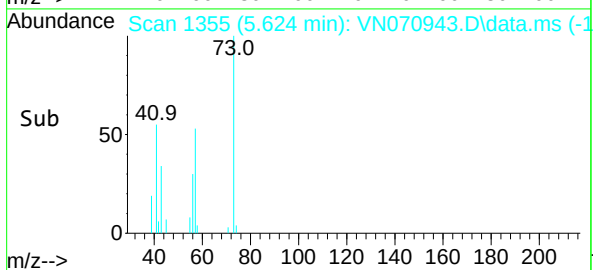
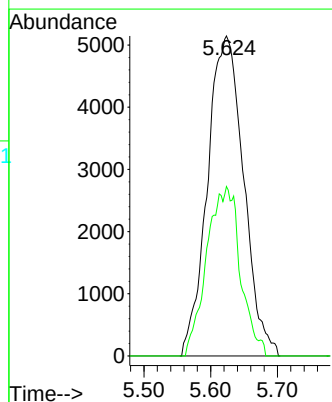
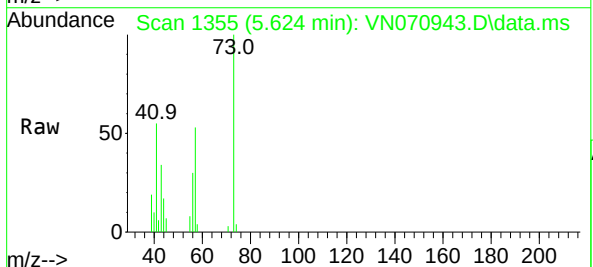
Acq: 3 Feb 2022 20:49

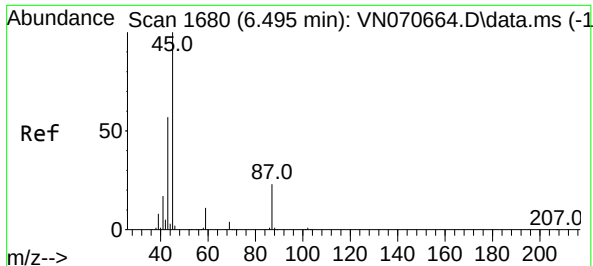
Tgt Ion: 73 Resp: 19359

Ion Ratio Lower Upper

73 100

57 53.0 16.8 25.2#





#22

Diisopropyl ether

Concen: 0.897 ug/l

RT: 6.493 min Scan# 1

Delta R.T. -0.002 min

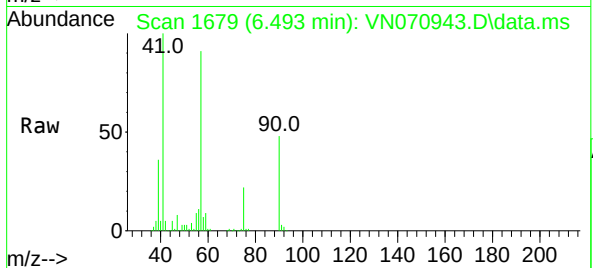
Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 45 Resp: 40478

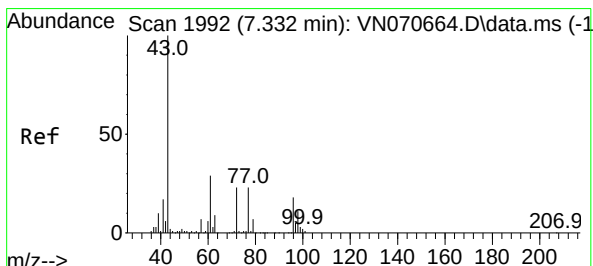
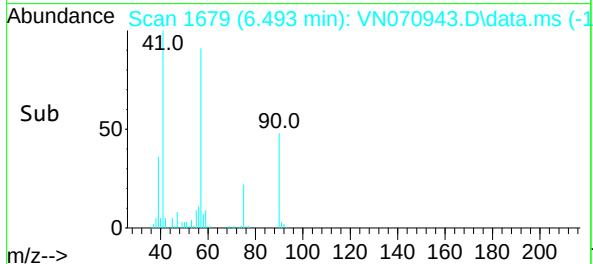
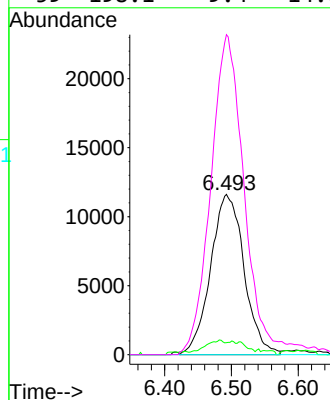
Ion Ratio Lower Upper

45 100

43 6.1 51.7 77.5#

87 0.0 23.2 34.8#

59 198.1 9.4 14.0#



#25

2-Butanone

Concen: 1.525 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.013 min

Lab File: VN070943.D

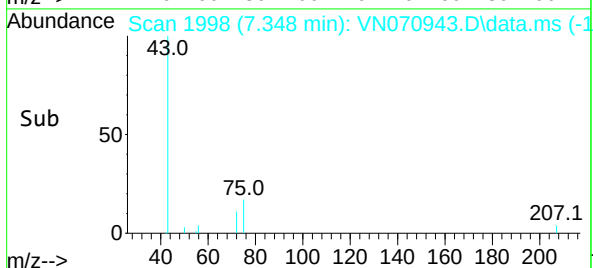
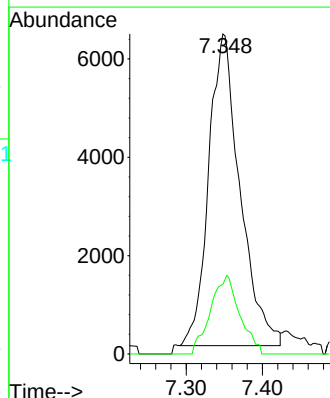
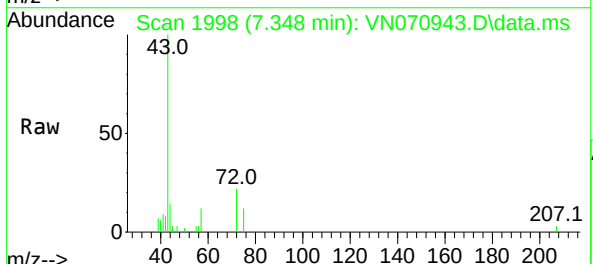
Acq: 3 Feb 2022 20:49

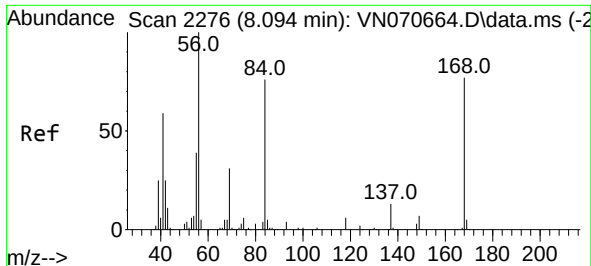
Tgt Ion: 43 Resp: 18084

Ion Ratio Lower Upper

43 100

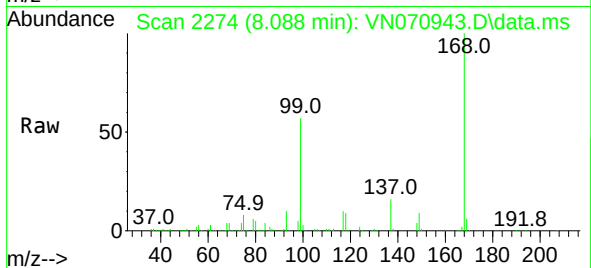
72 22.4 21.7 32.5



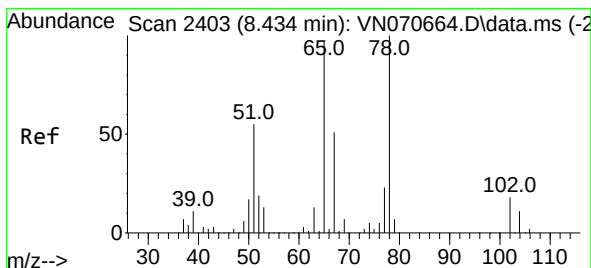
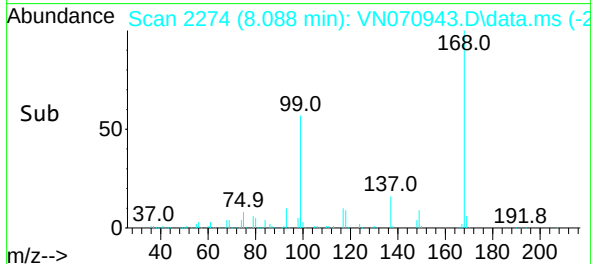
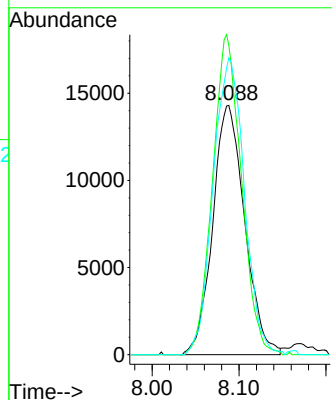


#31
Cyclohexane
Concen: 1.562 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :

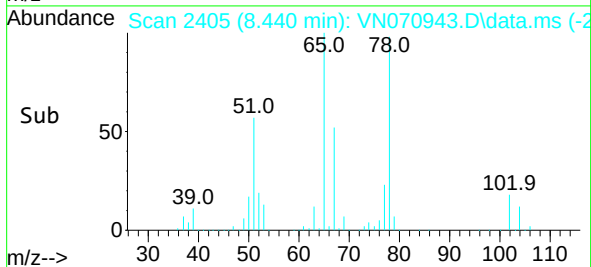
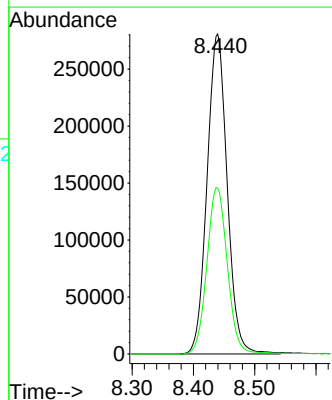
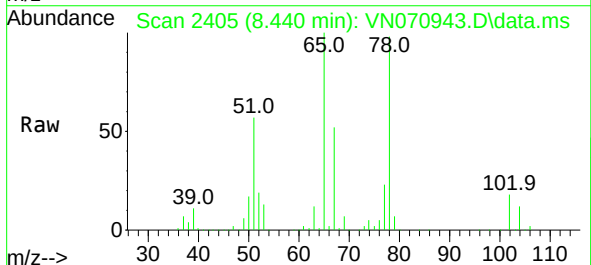


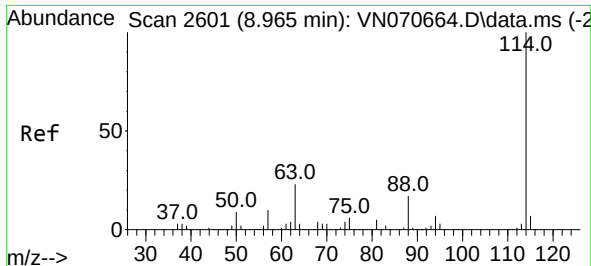
Tgt Ion: 56 Resp: 36474
Ion Ratio Lower Upper
56 100
69 124.2 27.1 40.7#
84 119.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.598 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 65 Resp: 640319
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

Instrument :

MSVOA_N

ClientSampleId :

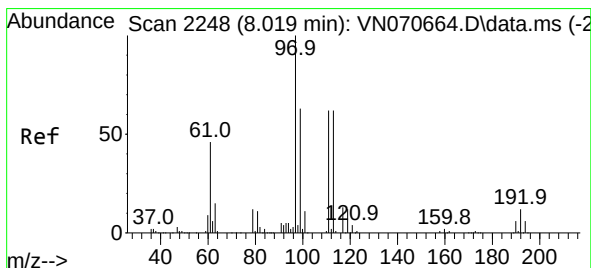
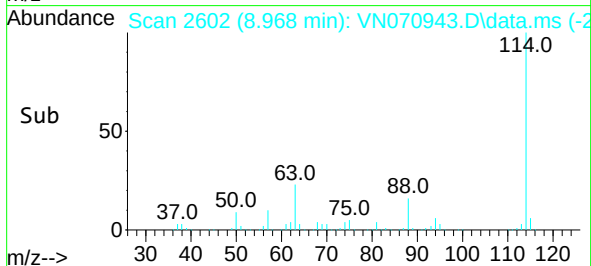
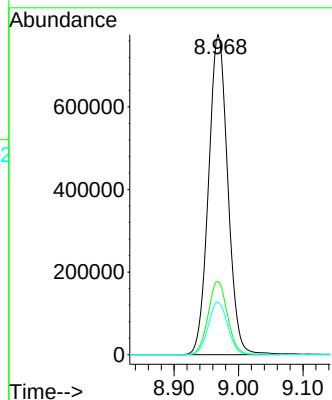
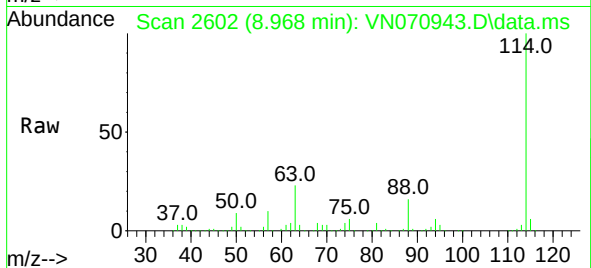
Tgt Ion:114 Resp: 1609041

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.573 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

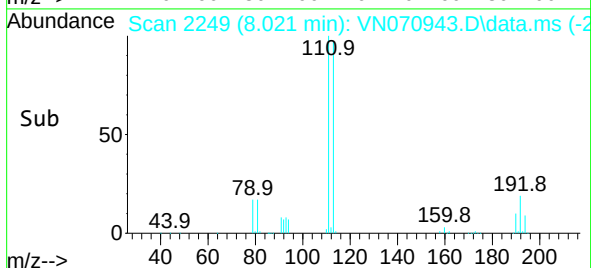
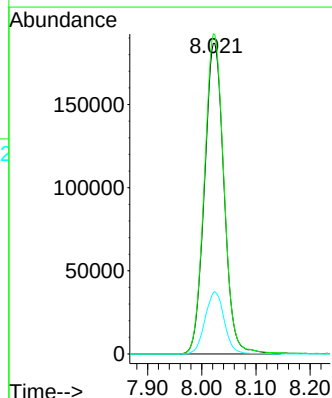
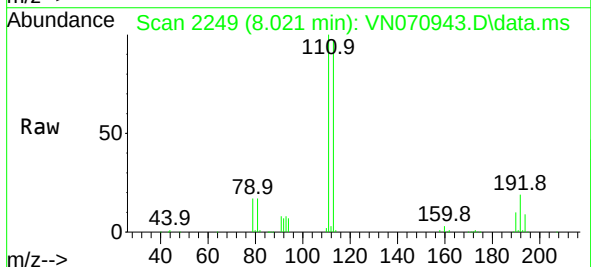
Tgt Ion:113 Resp: 468195

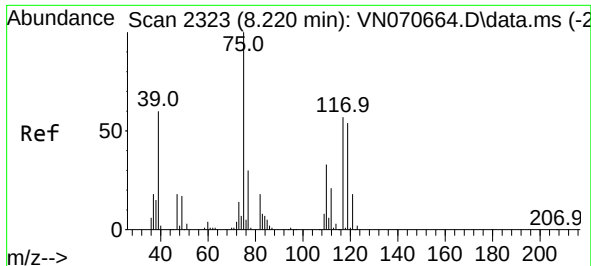
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

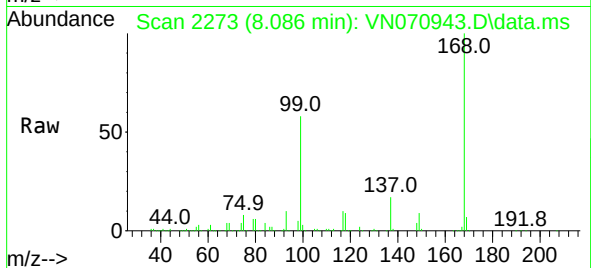
192 19.6 16.9 25.3



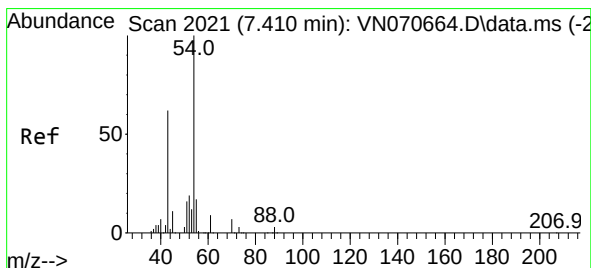
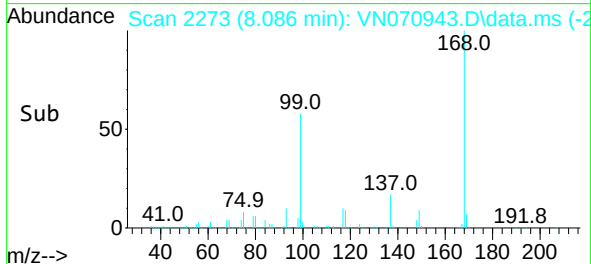
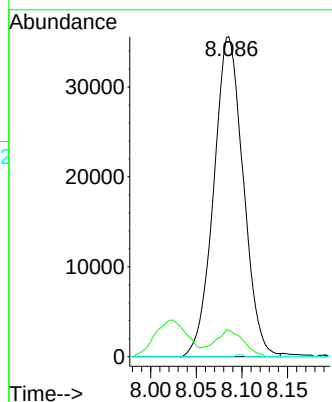


#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070943.D
 Acq: 3 Feb 2022 20:49

Instrument :
 MSVOA_N
 ClientSampleId :

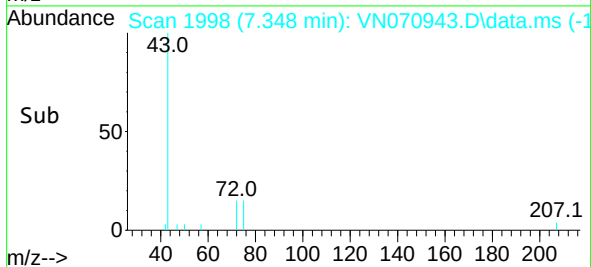
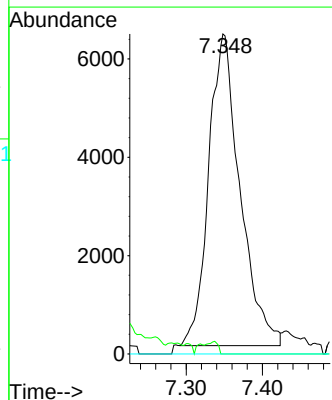
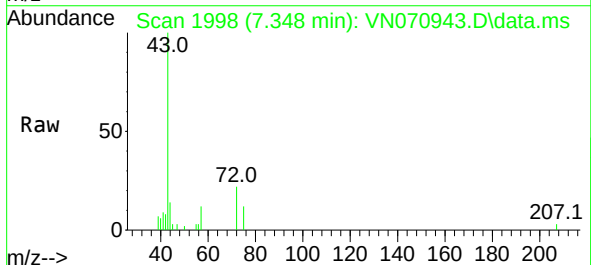


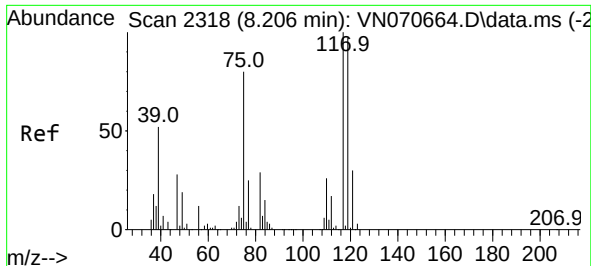
Tgt Ion: 75 Resp: 80277
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.838 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.065 min
 Lab File: VN070943.D
 Acq: 3 Feb 2022 20:49

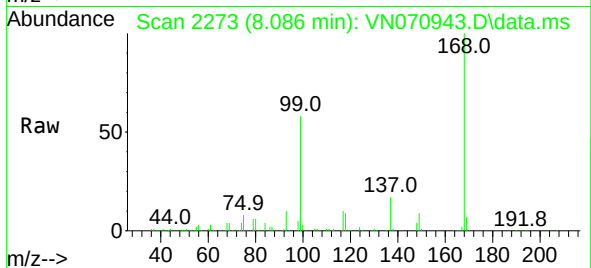
Tgt Ion: 43 Resp: 18084
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



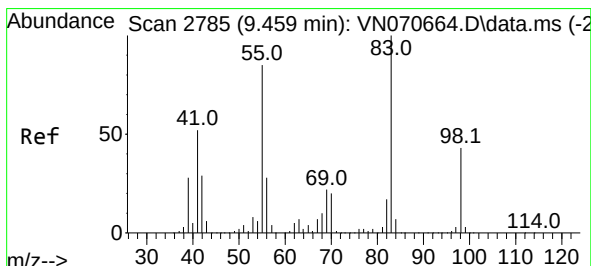
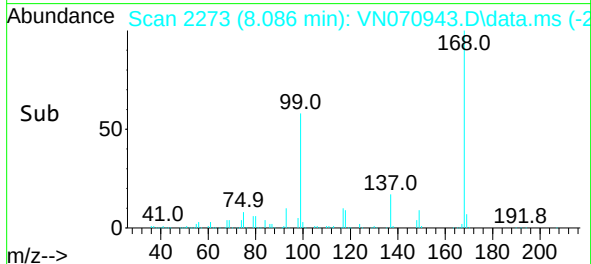
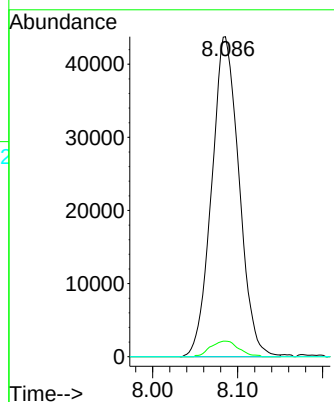


#38
Carbon Tetrachloride
Concen: 6.851 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :

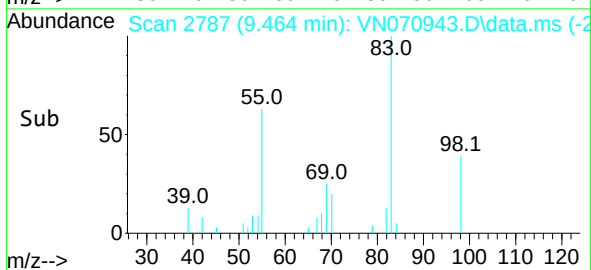
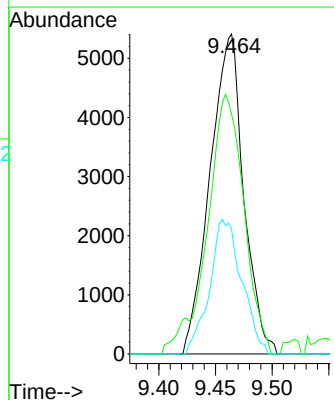
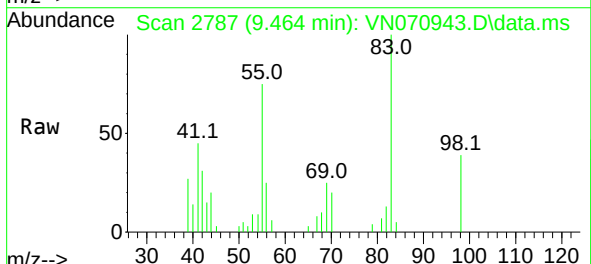


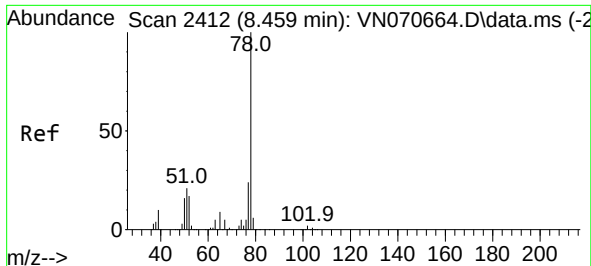
Tgt Ion:117 Resp: 97966
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.581 ug/l
RT: 9.464 min Scan# 2787
Delta R.T. 0.005 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 83 Resp: 11184
Ion Ratio Lower Upper
83 100
55 74.9 58.1 87.1
98 39.0 38.4 57.6





#40

Benzene

Concen: 33.970 ug/l

RT: 8.461 min Scan# 2411

Delta R.T. 0.002 min

Lab File: VN070943.D

Acq: 3 Feb 2022 20:49

Instrument :

MSVOA_N

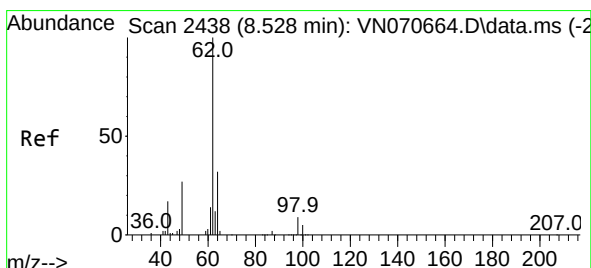
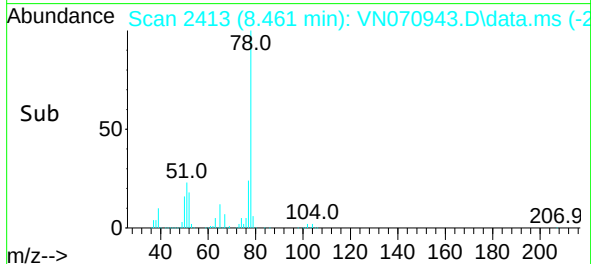
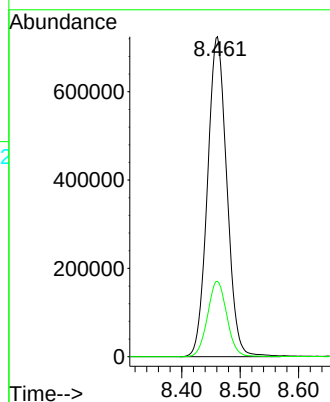
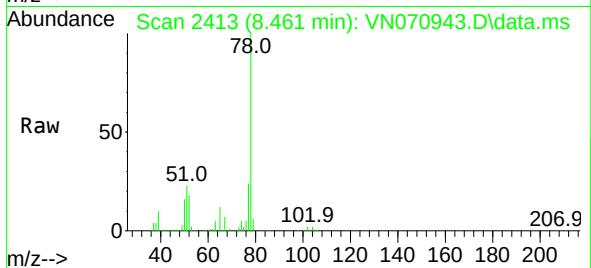
ClientSampleId :

Tgt Ion: 78 Resp: 1671202

Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8



#42

1,2-Dichloroethane

Concen: 0.878 ug/l

RT: 8.456 min Scan# 2411

Delta R.T. -0.072 min

Lab File: VN070943.D

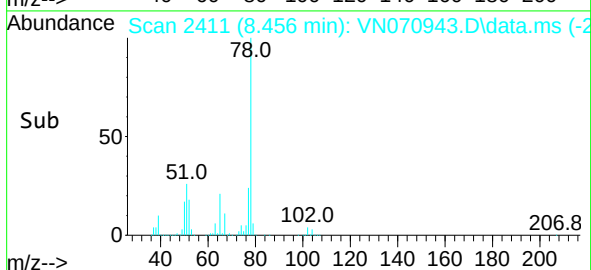
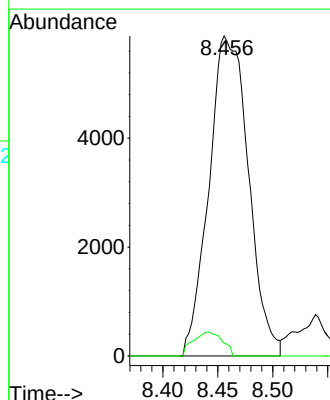
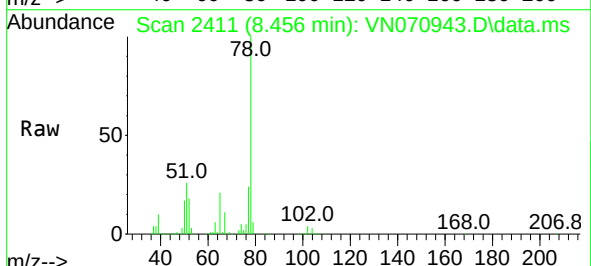
Acq: 3 Feb 2022 20:49

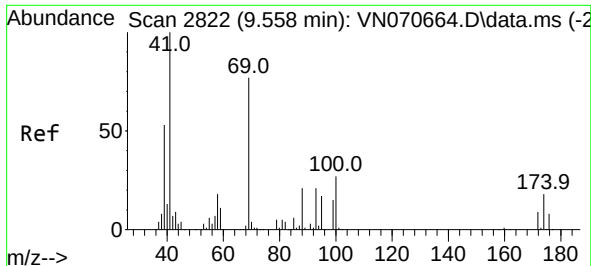
Tgt Ion: 62 Resp: 14699

Ion Ratio Lower Upper

62 100

98 5.5 0.0 17.6

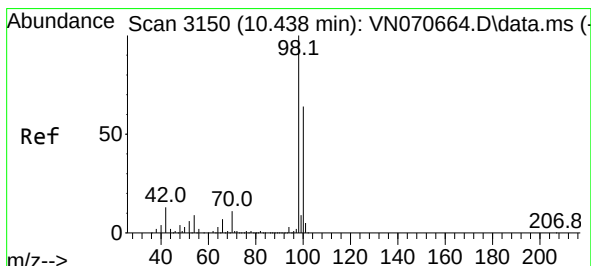
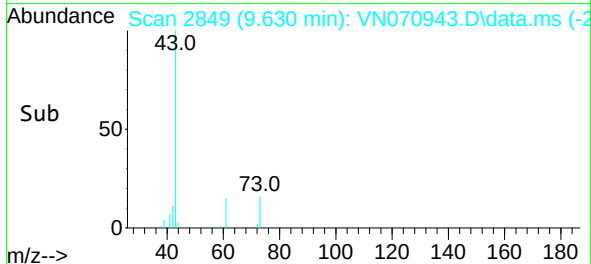
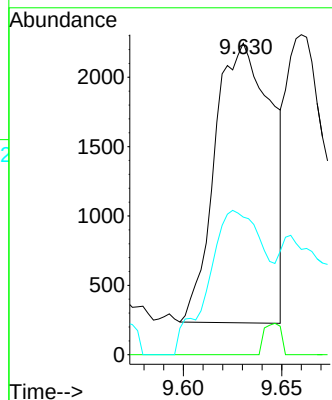
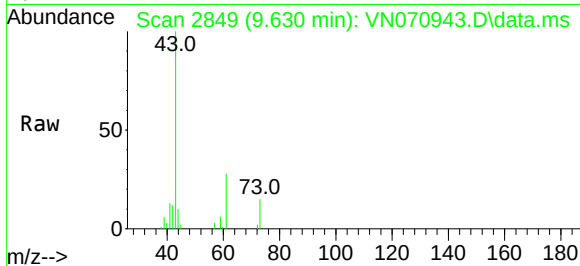




#48
Methyl methacrylate
Concen: 0.257 ug/l
RT: 9.630 min Scan# 21
Delta R.T. 0.072 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

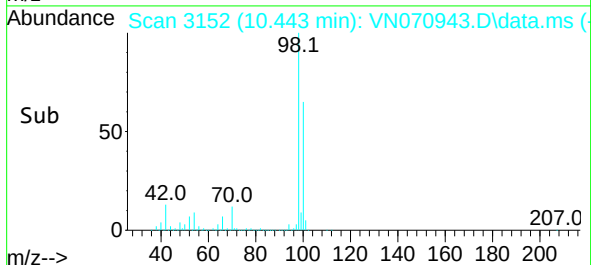
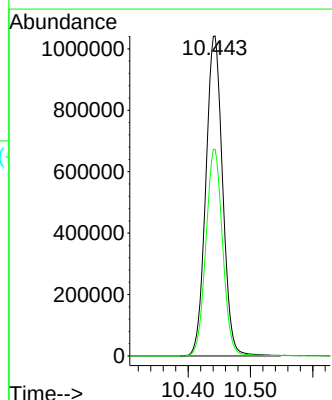
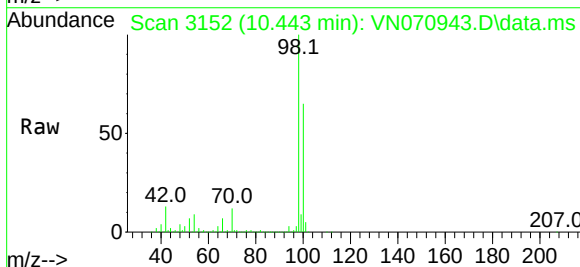
Instrument :
MSVOA_N
ClientSampleId :

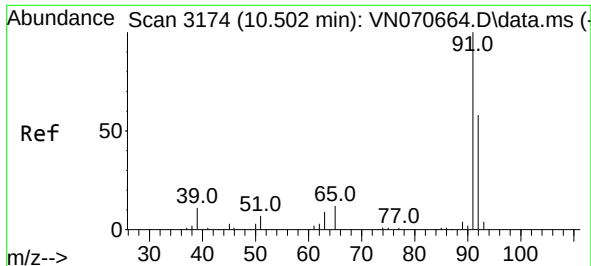
Tgt Ion: 41 Resp: 4022
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 52.0 58.4 87.6#



#50
Toluene-d8
Concen: 49.373 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 98 Resp: 1954036
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

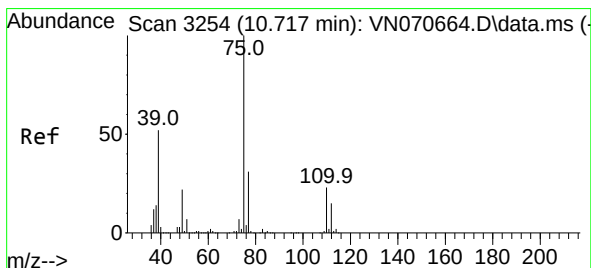
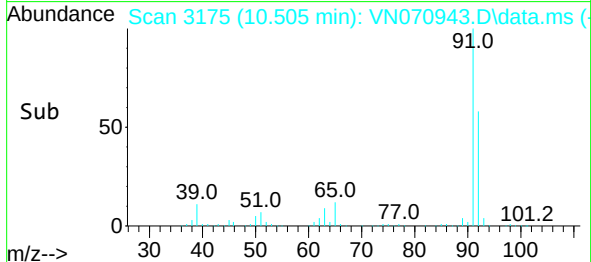
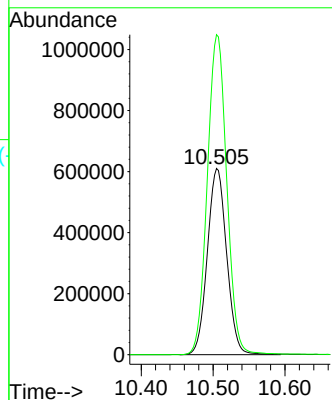
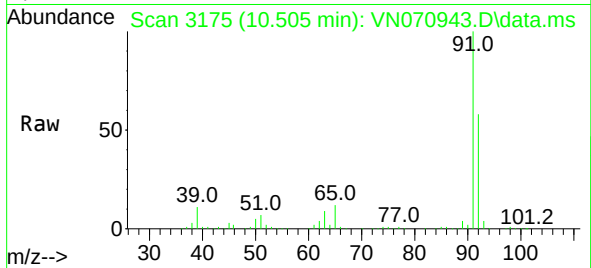




#52
Toluene
Concen: 37.298 ug/l
RT: 10.505 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

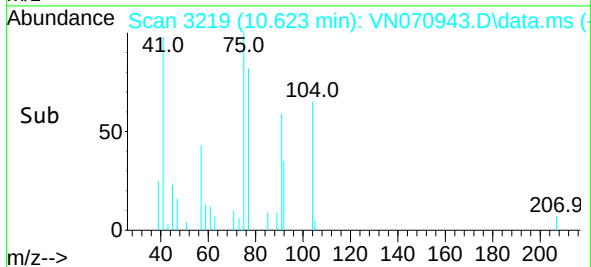
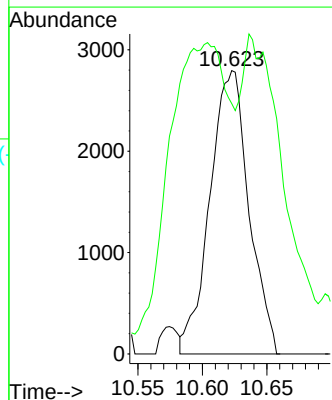
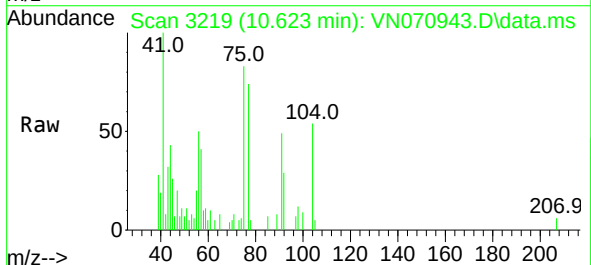
Instrument :
MSVOA_N
ClientSampleId :

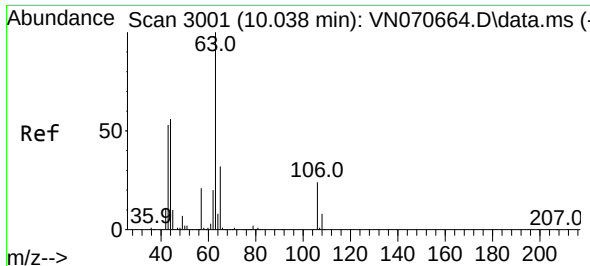
Tgt Ion: 92 Resp: 1136918
Ion Ratio Lower Upper
92 100
91 173.5 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 0.328 ug/l
RT: 10.623 min Scan# 3219
Delta R.T. -0.094 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 75 Resp: 5880
Ion Ratio Lower Upper
75 100
77 16.9 25.6 38.4#

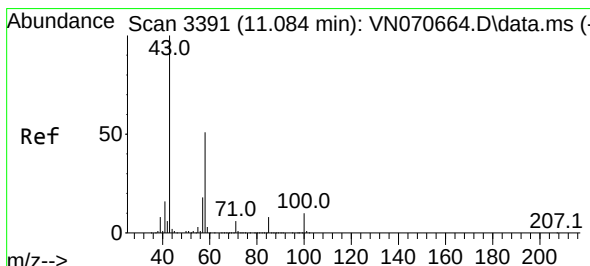
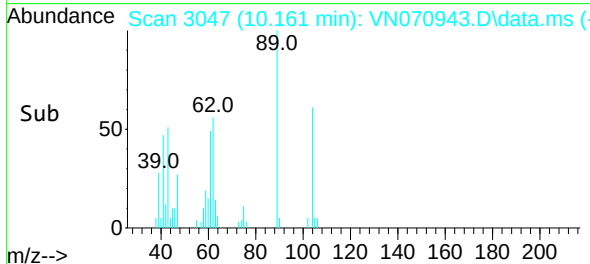
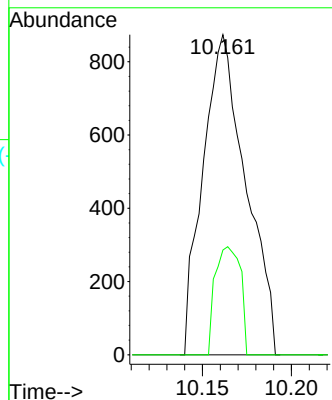
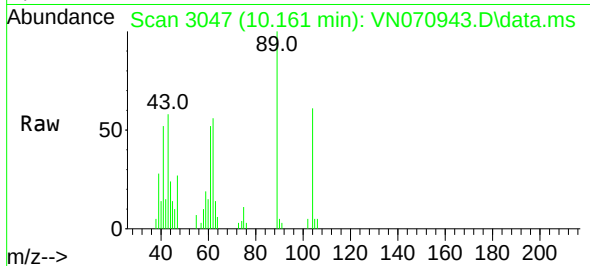




#58
2-Chloroethyl Vinyl ether
Concen: 19.897 ug/l
RT: 10.161 min Scan# 3001
Delta R.T. 0.120 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

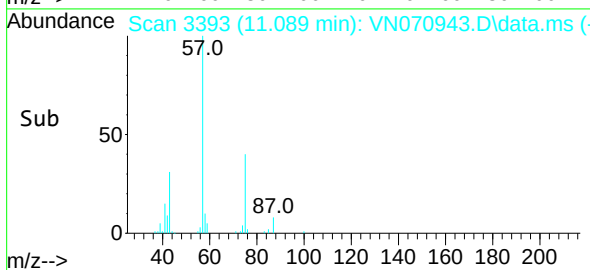
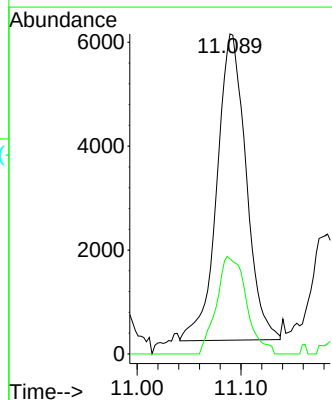
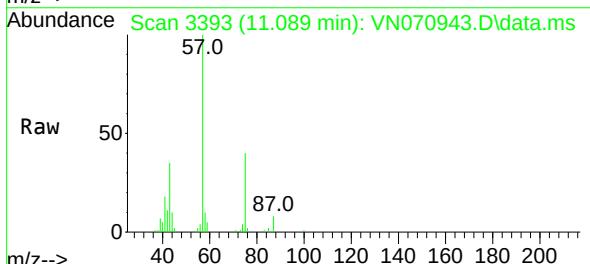
Instrument :
MSVOA_N
ClientSampleId :

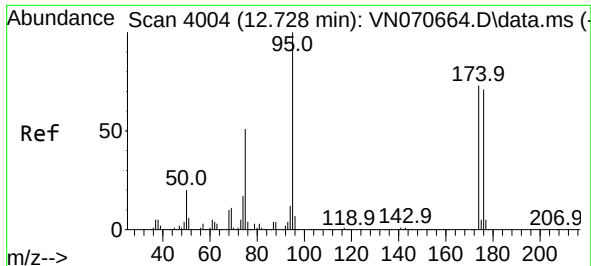
Tgt Ion: 63 Resp: 1466
Ion Ratio Lower Upper
63 100
106 19.7 23.9 35.9#



#59
2-Hexanone
Concen: 0.739 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 43 Resp: 11516
Ion Ratio Lower Upper
43 100
58 32.5 26.9 80.7

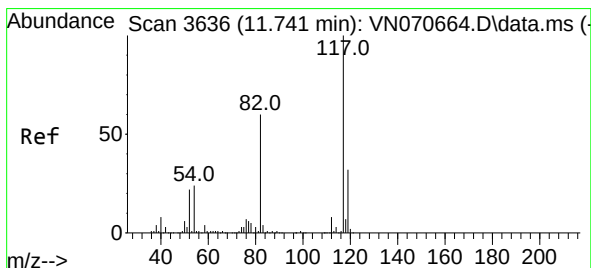
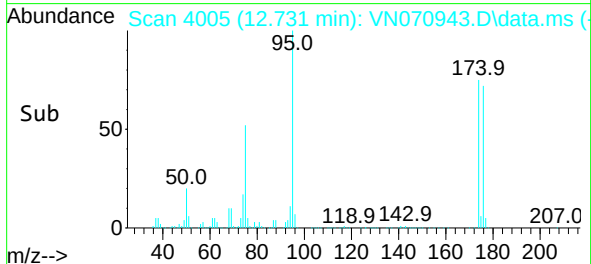
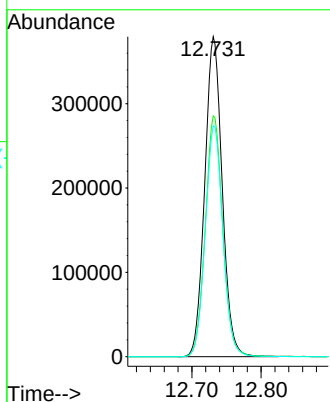
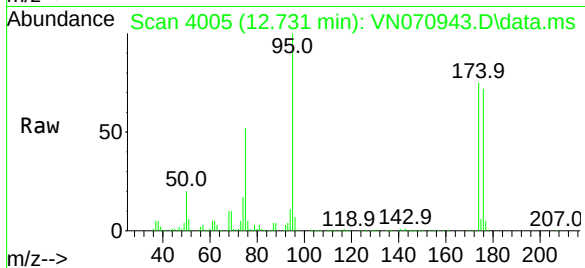




#62
4-Bromofluorobenzene
Concen: 46.556 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

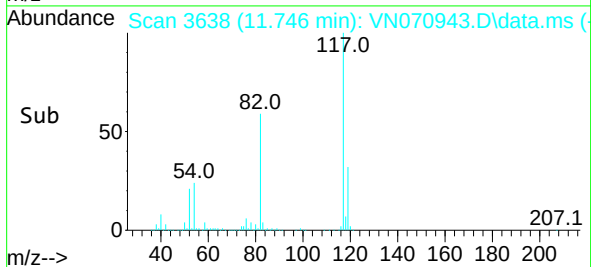
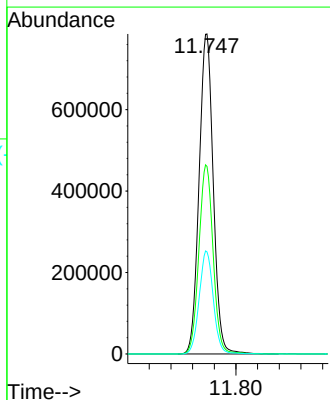
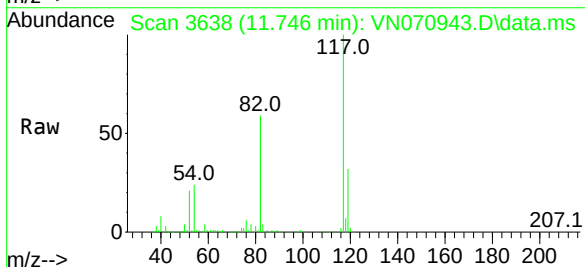
Instrument :
MSVOA_N
ClientSampleId :

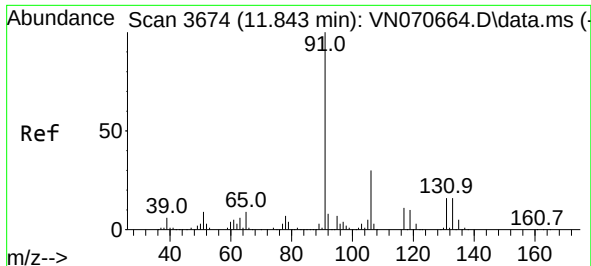
Tgt Ion: 95 Resp: 663913
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 117 Resp: 1428341
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.9 25.4 38.2

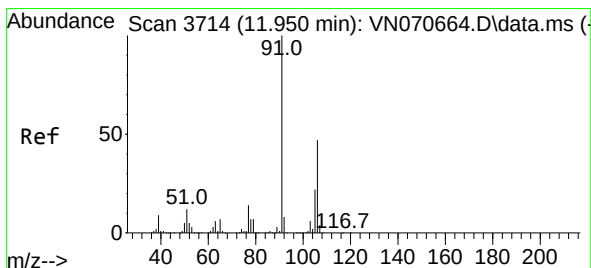
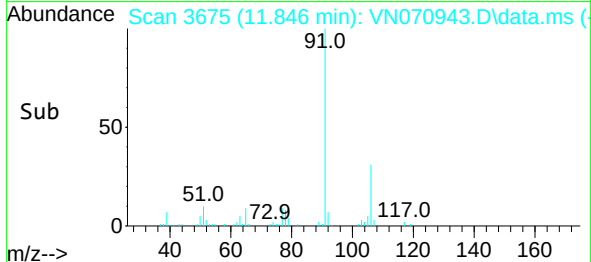
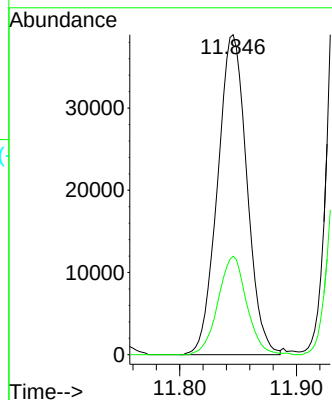
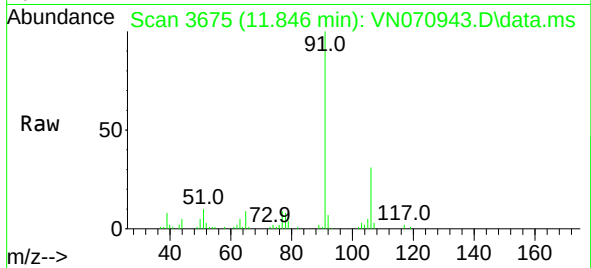




#67
Ethyl Benzene
Concen: 1.243 ug/l
RT: 11.846 min Scan# 3074
Delta R.T. 0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

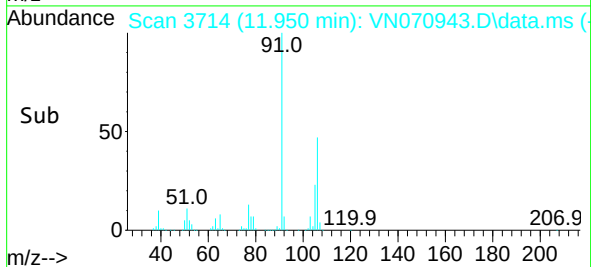
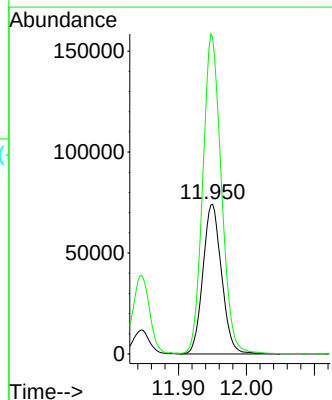
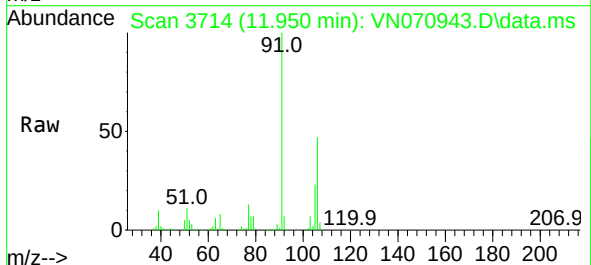
Instrument :
MSVOA_N
ClientSampleId :

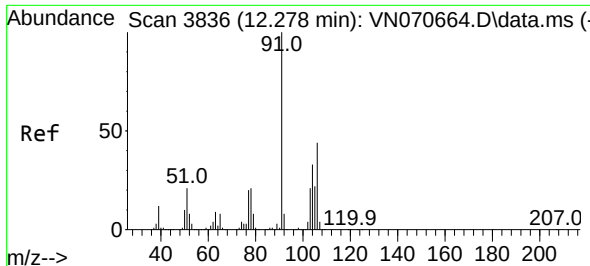
Tgt Ion: 91 Resp: 67739
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5



#68
m/p-Xylenes
Concen: 7.011 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 106 Resp: 141572
Ion Ratio Lower Upper
106 100
91 212.0 160.6 240.8

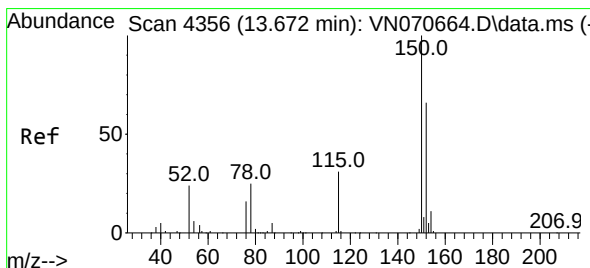
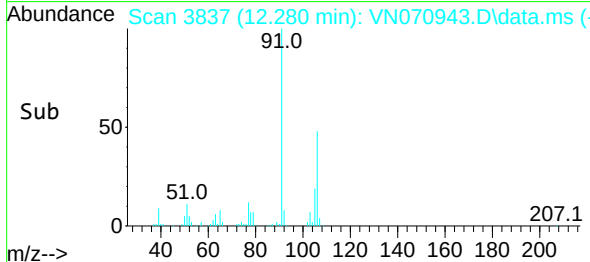
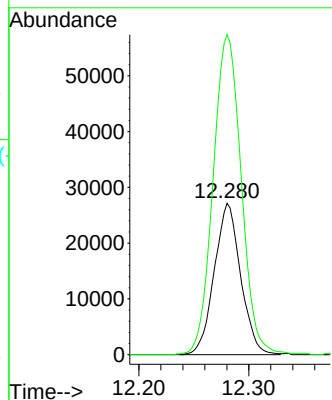
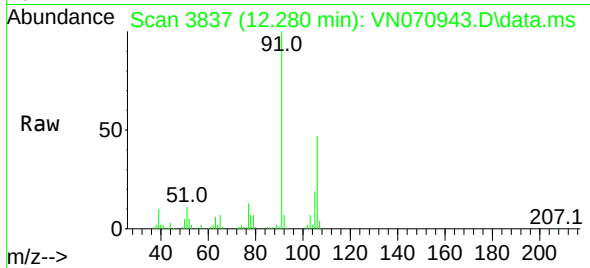




#69
o-Xylene
Concen: 2.236 ug/l
RT: 12.280 min Scan# 3836
Delta R.T. 0.000 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

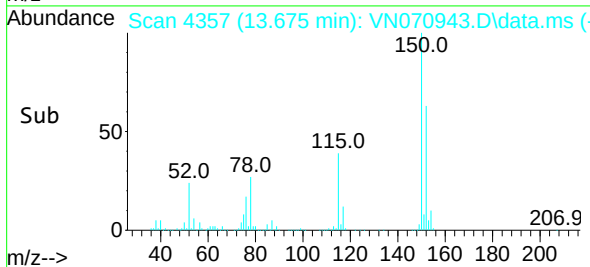
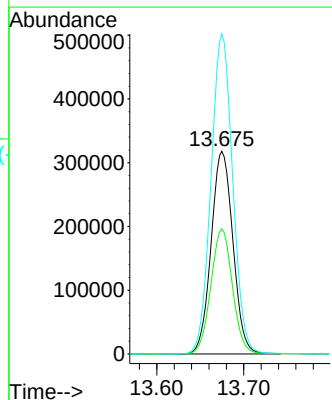
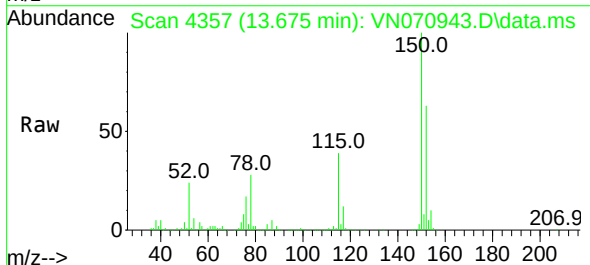
Instrument :
MSVOA_N
ClientSampleId :

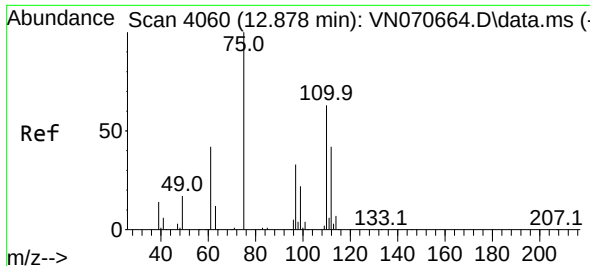
Tgt Ion:106 Resp: 45190
Ion Ratio Lower Upper
106 100
91 225.8 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

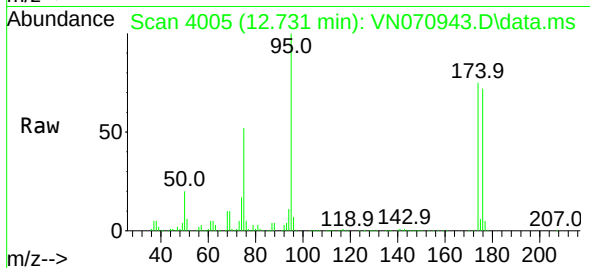
Tgt Ion:152 Resp: 554554
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.2 0.0 344.4



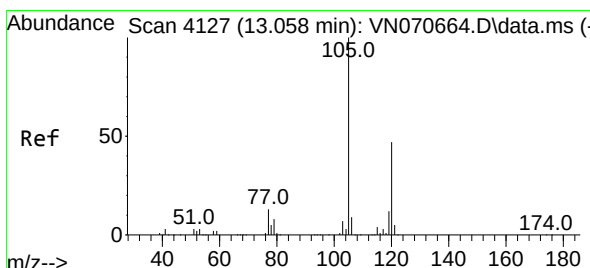
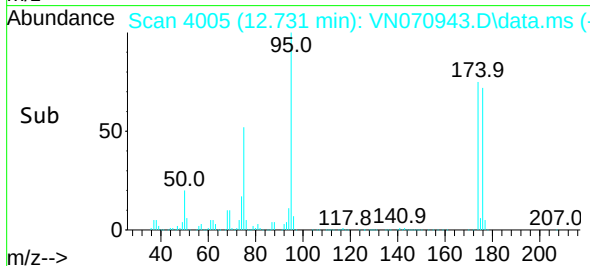
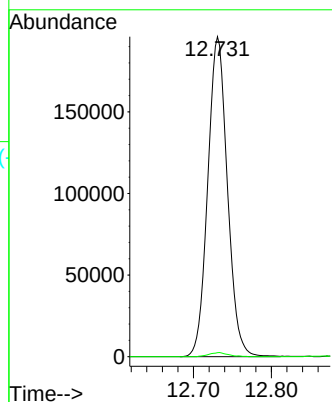


#76
 1,2,3-Trichloropropane
 Concen: 25.722 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070943.D
 Acq: 3 Feb 2022 20:49

Instrument :
 MSVOA_N
 ClientSampleId :

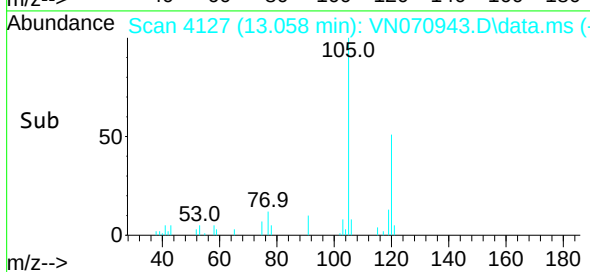
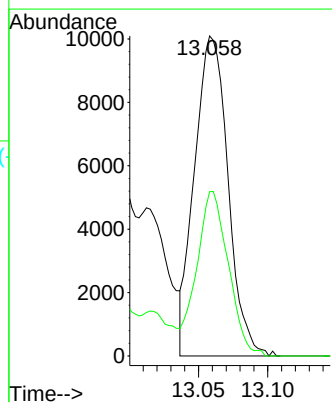
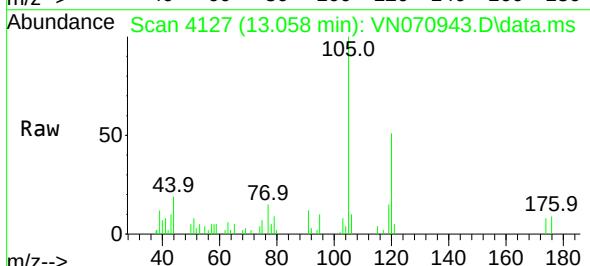


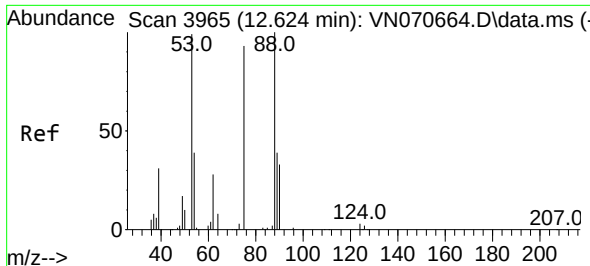
Tgt Ion: 75 Resp: 343341
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.432 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070943.D
 Acq: 3 Feb 2022 20:49

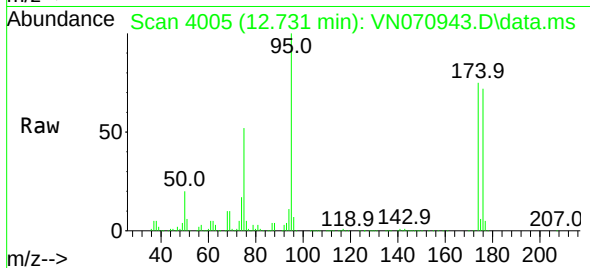
Tgt Ion: 105 Resp: 16960
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.6



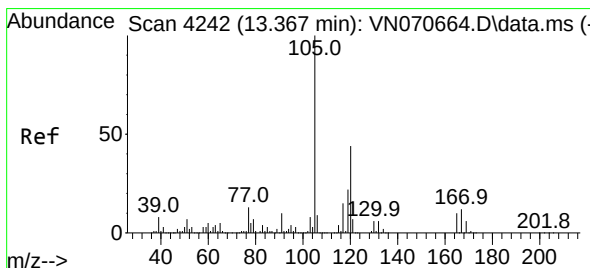
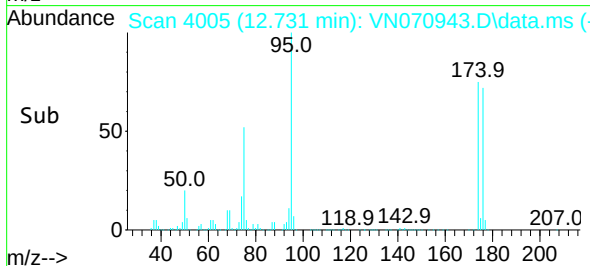
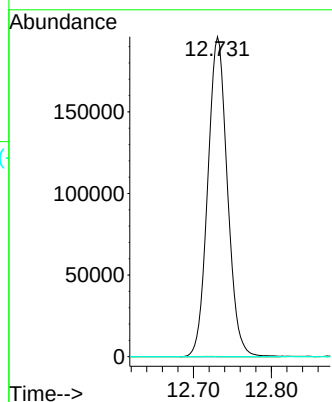


#81
trans-1,4-Dichloro-2-butene
Concen: 69.724 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :

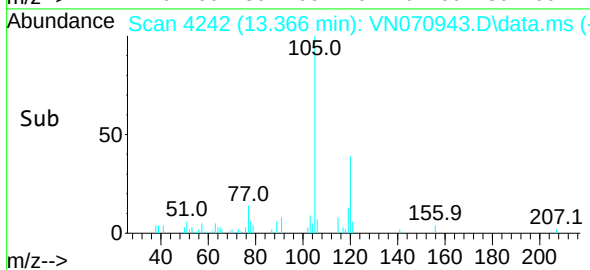
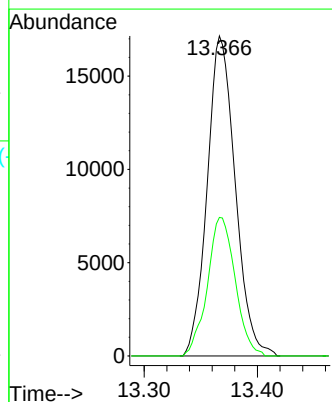
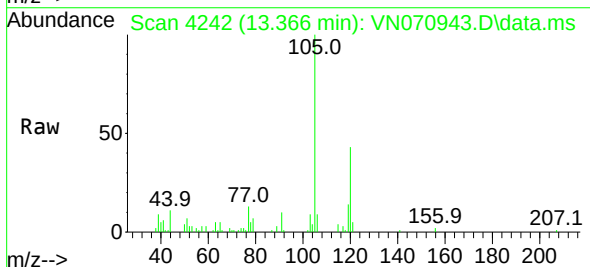


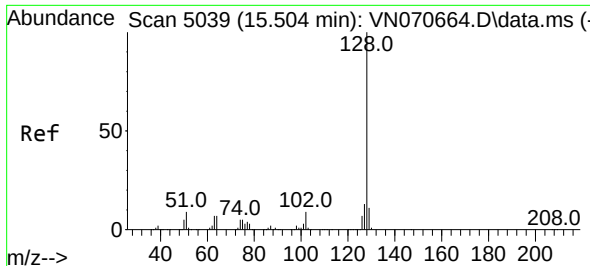
Tgt Ion: 75 Resp: 343341
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.768 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.001 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion: 105 Resp: 29464
Ion Ratio Lower Upper
105 100
120 43.0 22.8 68.4

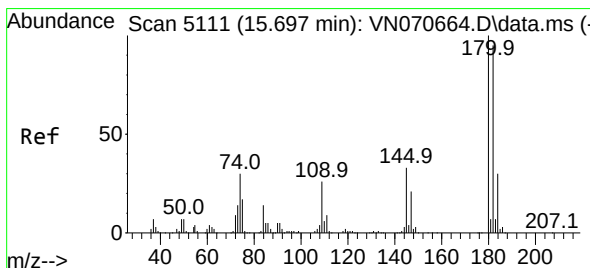
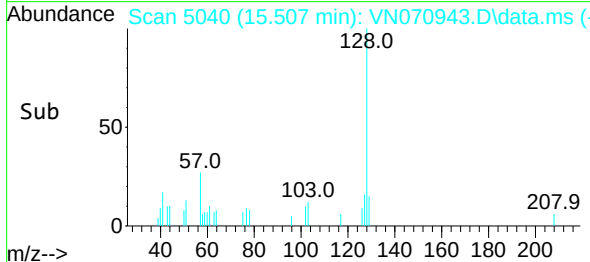
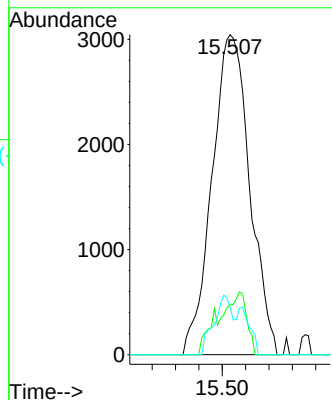
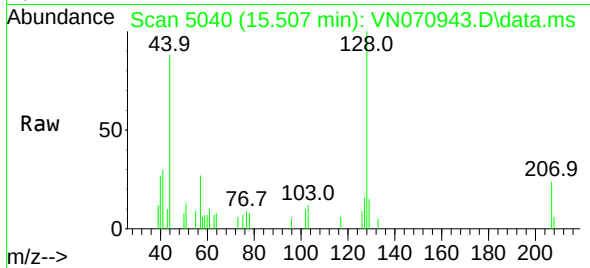




#95
Naphthalene
Concen: 3.763 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6831
Ion Ratio Lower Upper
128 100
127 3.7 10.5 15.7#
129 8.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.811 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.008 min
Lab File: VN070943.D
Acq: 3 Feb 2022 20:49

Tgt Ion:180 Resp: 1107
Ion Ratio Lower Upper
180 100
182 127.1 47.4 142.2
145 0.0 15.0 45.1#

