

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
 Data File : VN070548.D
 Acq On : 10 Jan 2022 17:19
 Operator : JC/MD
 Sample : M5251-06DL 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 11 01:03:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

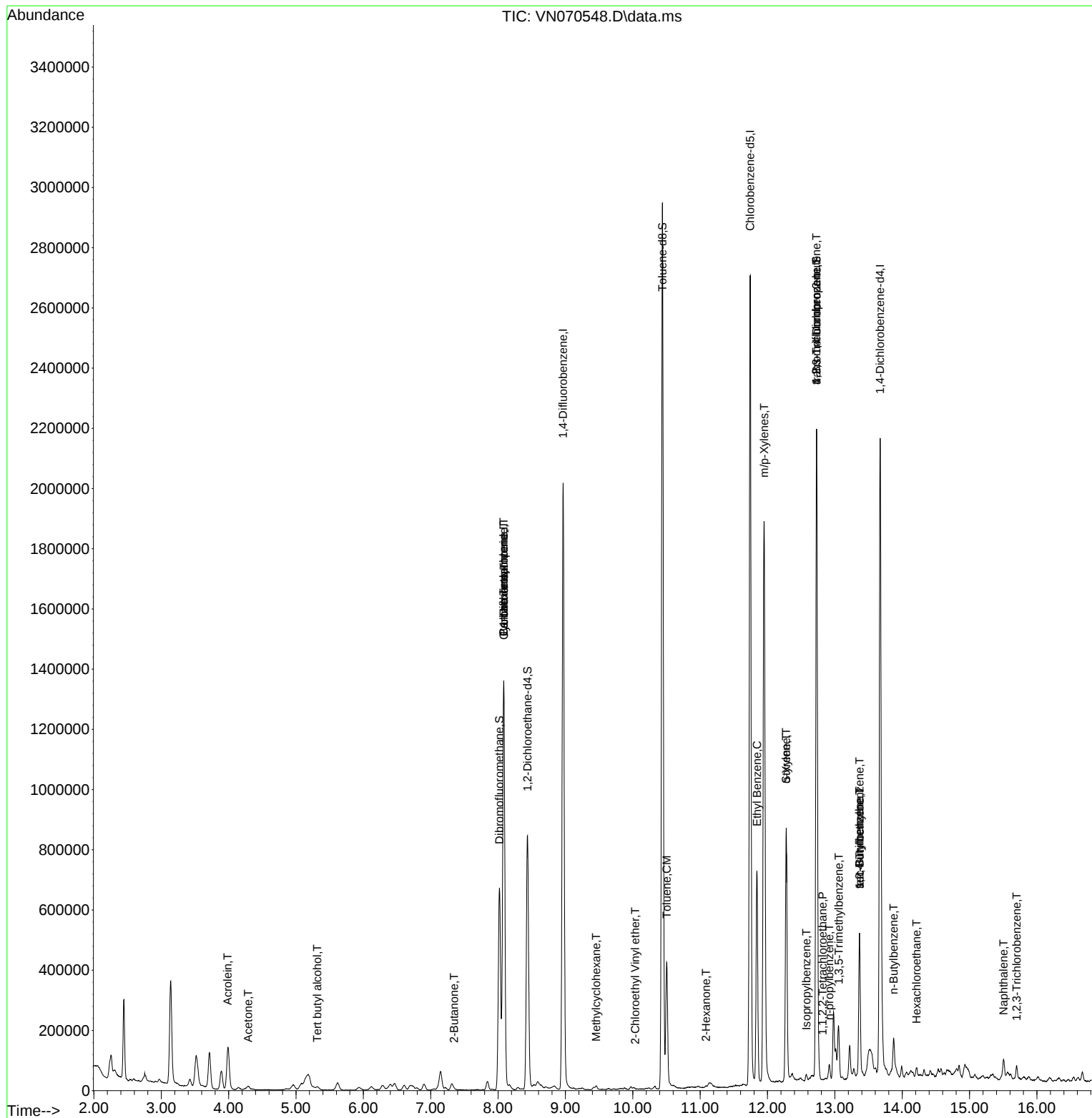
Internal Standards						
1) Pentafluorobenzene	8.083	168	1036822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1752534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1552935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	589525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	711414	47.722	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.440%		
35) Dibromofluoromethane	8.019	113	503563	47.489	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.980%		
50) Toluene-d8	10.440	98	2074564	47.892	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.728	95	801335	51.219	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.440%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.315	59	5587	2.251	ug/l #	71
13) Acrolein	3.985	56	5443	2.703	ug/l #	1
16) Acetone	4.288	43	17855	1.845	ug/l	93
25) 2-Butanone	7.345	43	6924	0.568	ug/l	90
31) Cyclohexane	8.086	56	31398	1.335	ug/l #	16
36) 1,1-Dichloropropene	8.083	75	82753	4.718	ug/l #	48
38) Carbon Tetrachloride	8.083	117	100747	6.015	ug/l #	16
39) Methylcyclohexane	9.456	83	4754	0.224	ug/l	92
52) Toluene	10.505	92	179571	5.517	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.038	63	25	18.517	ug/l #	45
59) 2-Hexanone	11.087	43	3759	0.229	ug/l	88
67) Ethyl Benzene	11.843	91	535229	8.866	ug/l	96
68) m/p-Xylenes	11.950	106	611484	27.826	ug/l	92
69) o-Xylene	12.278	106	228987	10.476	ug/l	90
70) Styrene	12.278	104	13299	0.384	ug/l #	1
73) Isopropylbenzene	12.578	105	14518	0.265	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.817	83	121	0.453	ug/l #	1
76) 1,2,3-Trichloropropane	12.728	75	411411	25.018	ug/l #	1
78) n-propylbenzene	12.919	91	43363	0.715	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	71261	1.624	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.728	75	411411	85.263	ug/l #	5
83) tert-Butylbenzene	13.367	119	32819	0.850	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.367	105	274792	6.505	ug/l	99
85) sec-Butylbenzene	13.367	105	274792	5.239	ug/l #	56
89) n-Butylbenzene	13.873	91	10689	0.311	ug/l	76
90) Hexachloroethane	14.211	117	1514	0.212	ug/l #	6
95) Naphthalene	15.504	128	61693	4.011	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	670	0.897	ug/l #	60

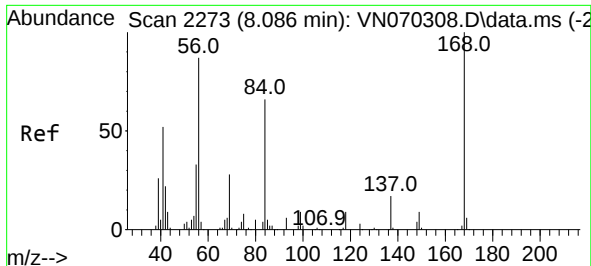
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
Data File : VN070548.D
Acq On : 10 Jan 2022 17:19
Operator : JC/MD
Sample : M5251-06DL 200X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 11 01:03:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

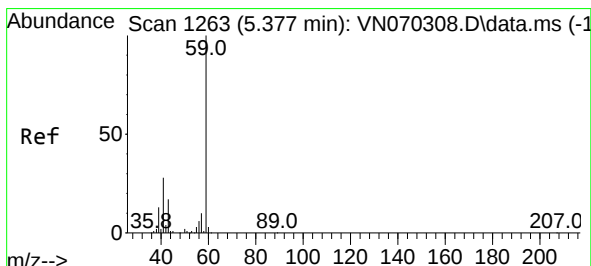
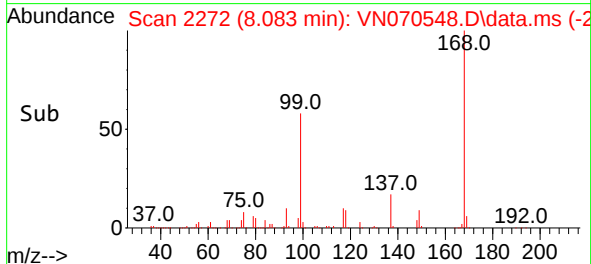
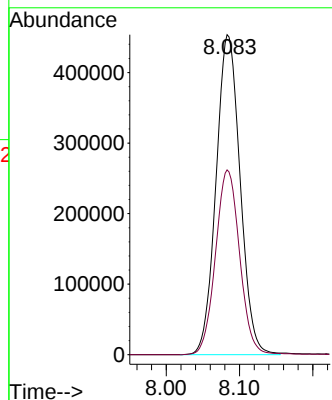
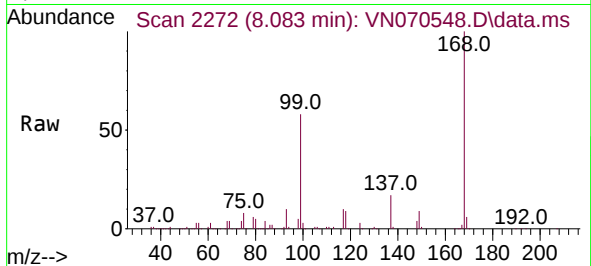




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

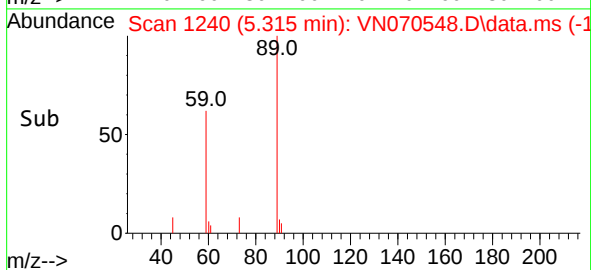
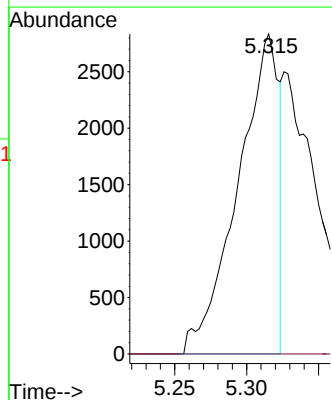
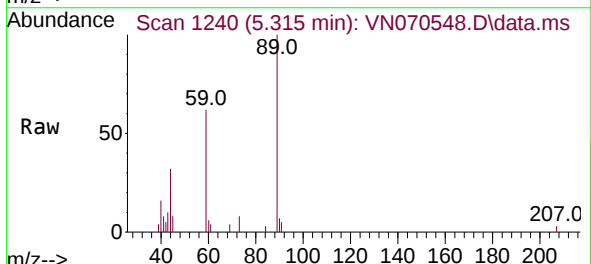
Instrument :
MSVOA_N
ClientSampleId :

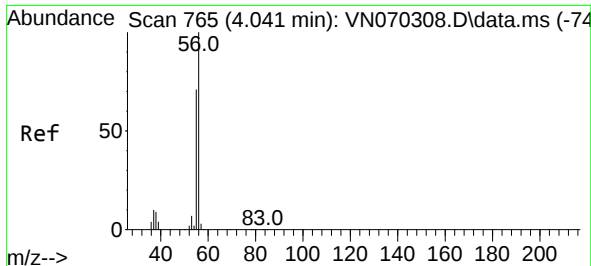
Tgt Ion:168 Resp: 1036822
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 2.251 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.062 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 59 Resp: 5587
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

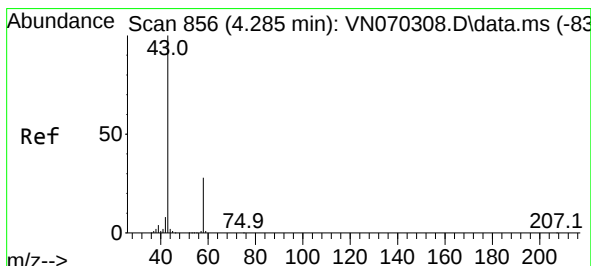
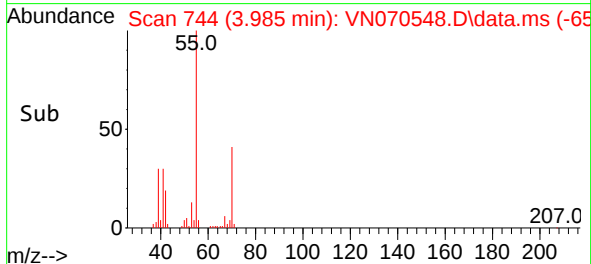
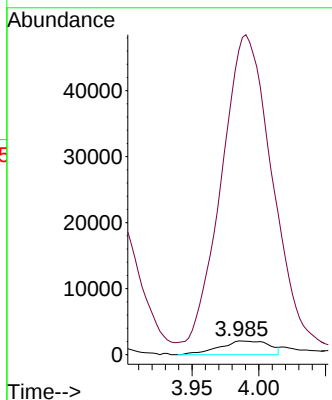
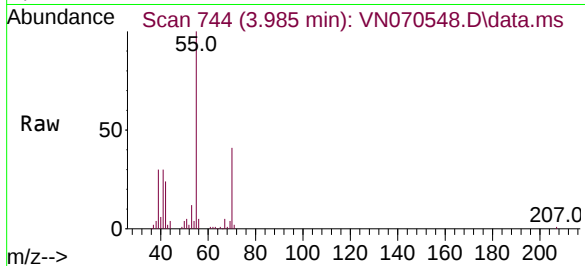




#13
Acrolein
Concen: 2.703 ug/l
RT: 3.985 min Scan# 74
Delta R.T. -0.056 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

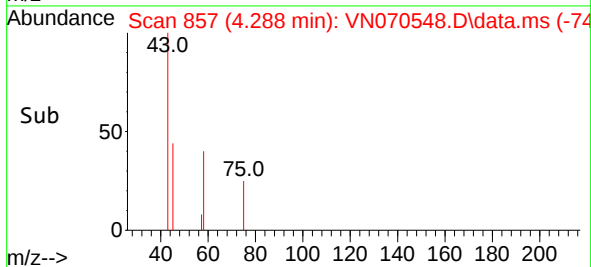
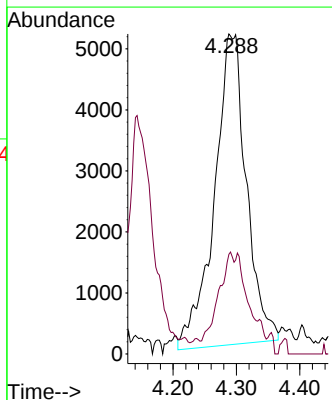
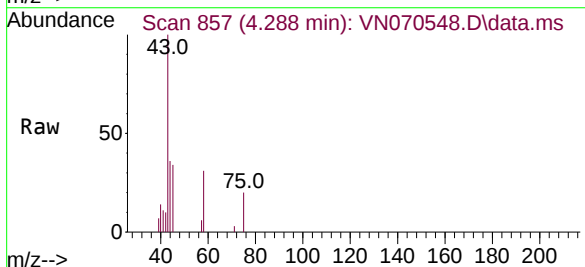
Instrument :
MSVOA_N
ClientSampleId :

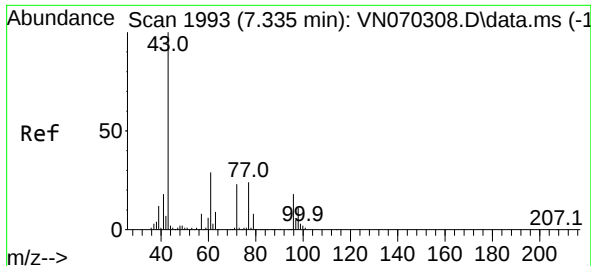
Tgt Ion: 56 Resp: 5443
Ion Ratio Lower Upper
56 100
55 2379.0 56.6 85.0#



#16
Acetone
Concen: 1.845 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 43 Resp: 17855
Ion Ratio Lower Upper
43 100
58 32.6 23.1 34.7





#25

2-Butanone

Concen: 0.568 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.010 min

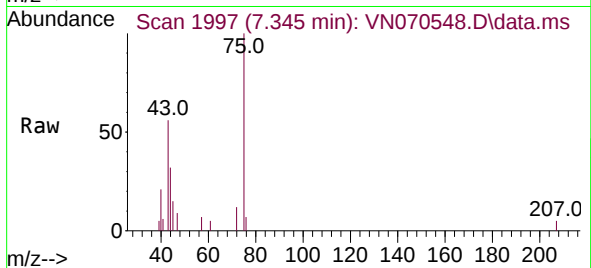
Lab File: VN070548.D

Acq: 10 Jan 2022 17:19

Instrument :

MSVOA_N

ClientSampleId :

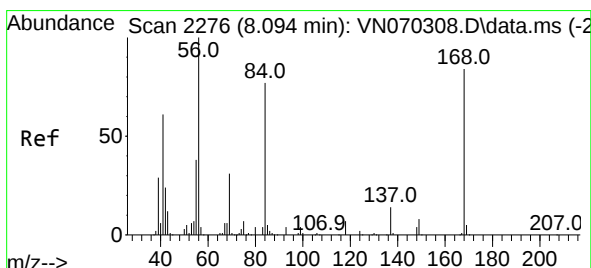
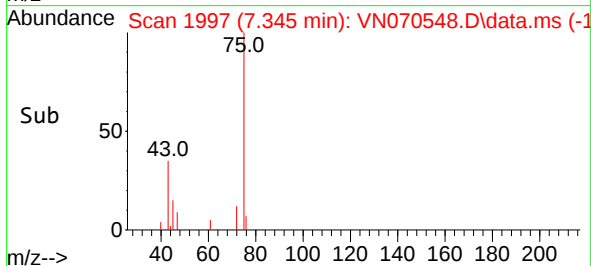
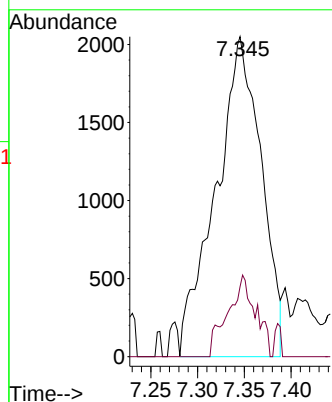


Tgt Ion: 43 Resp: 6924

Ion Ratio Lower Upper

43 100

72 21.9 21.7 32.5



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070548.D

Acq: 10 Jan 2022 17:19

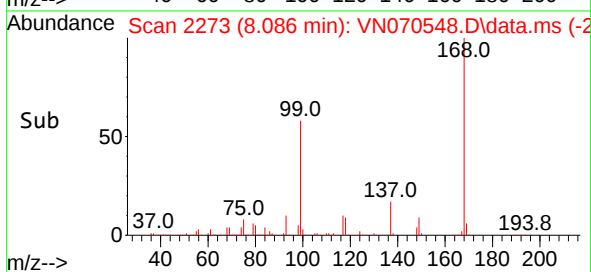
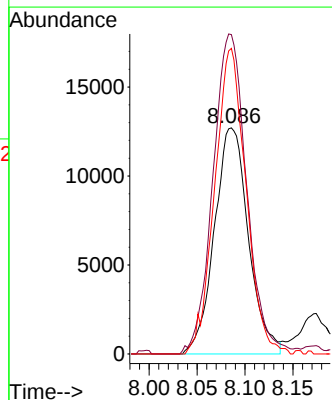
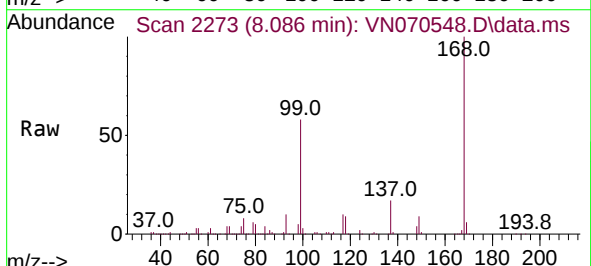
Tgt Ion: 56 Resp: 31398

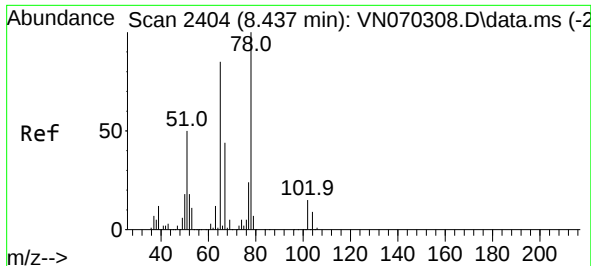
Ion Ratio Lower Upper

56 100

69 141.2 27.1 40.7#

84 135.1 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.722 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070548.D

Acq: 10 Jan 2022 17:19

Instrument :

MSVOA_N

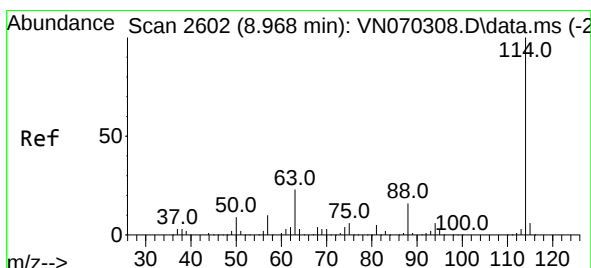
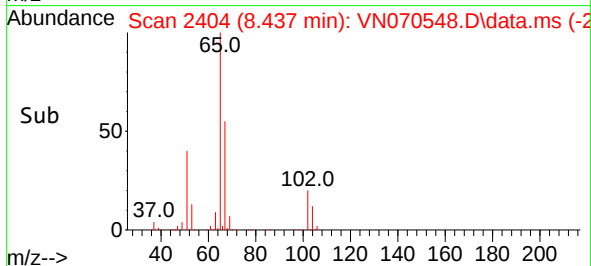
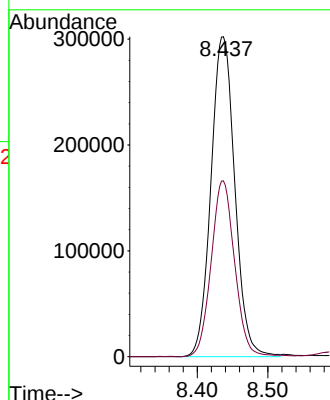
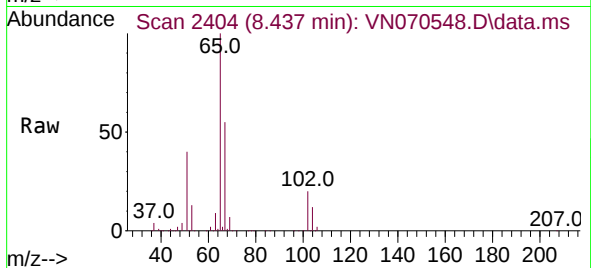
ClientSampleId :

Tgt Ion: 65 Resp: 711414

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070548.D

Acq: 10 Jan 2022 17:19

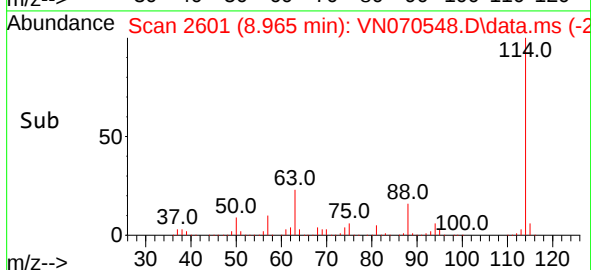
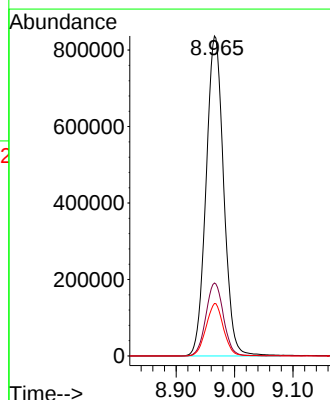
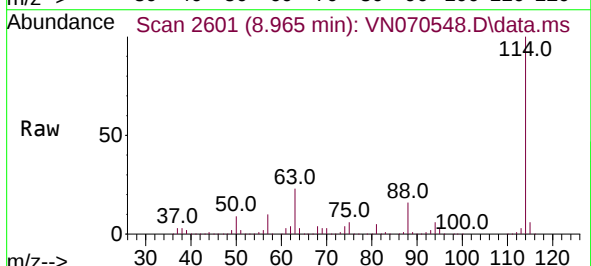
Tgt Ion: 114 Resp: 1752534

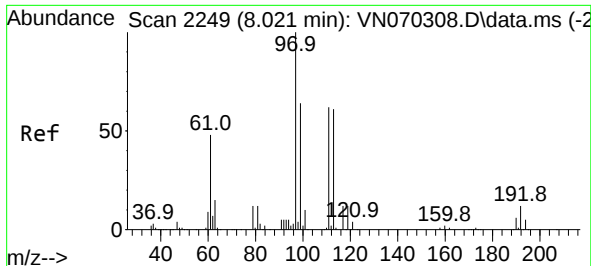
Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.8

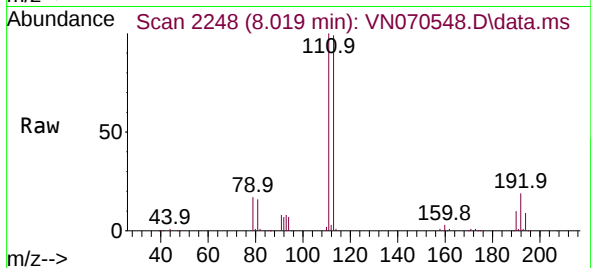
88 16.4 0.0 27.4



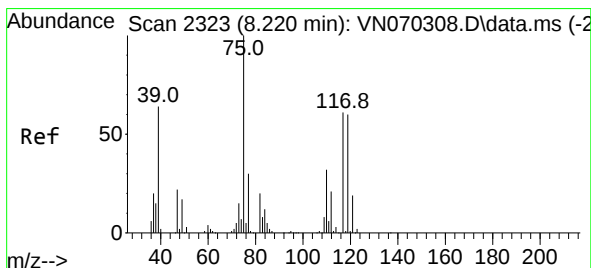
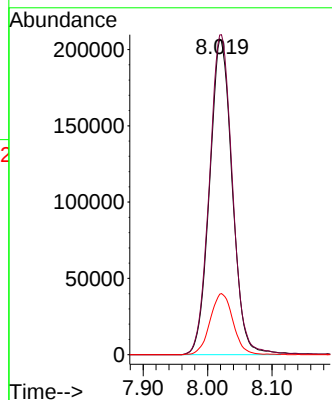
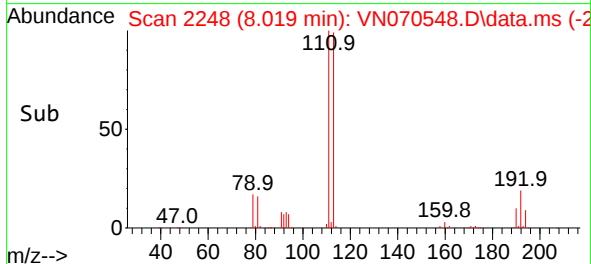


#35
Dibromofluoromethane
Concen: 47.489 ug/l
RT: 8.019 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Instrument :
MSVOA_N
ClientSampleId :

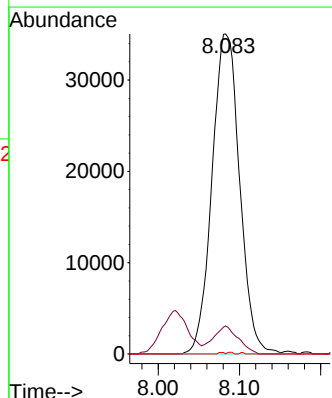
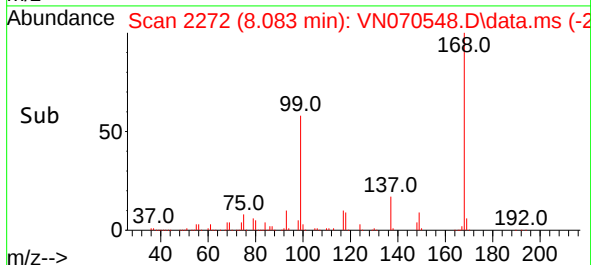
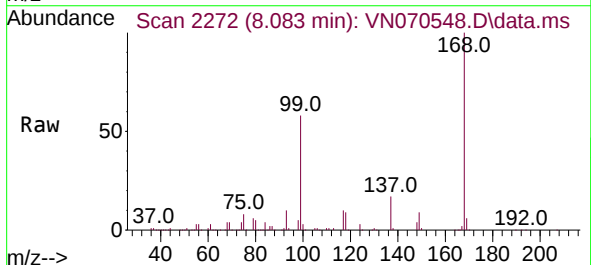


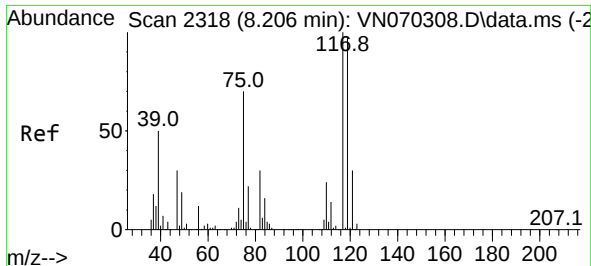
Tgt Ion:113 Resp: 503563
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

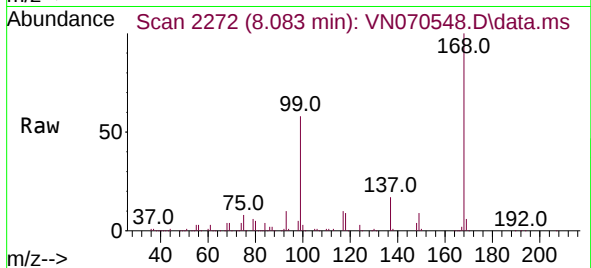
Tgt Ion: 75 Resp: 82753
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.1 24.4 36.6#



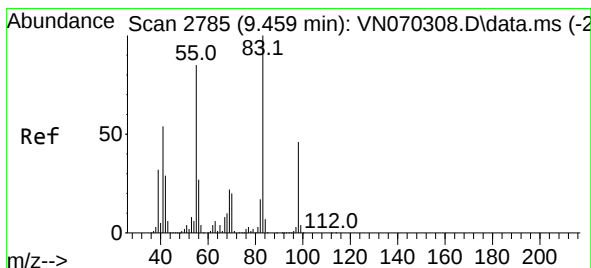
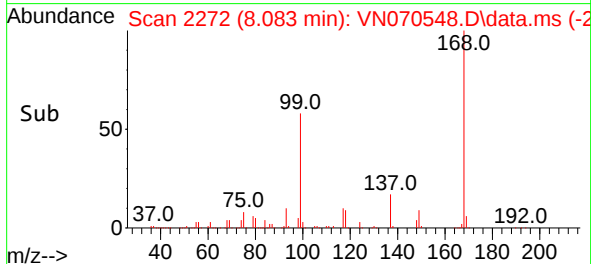
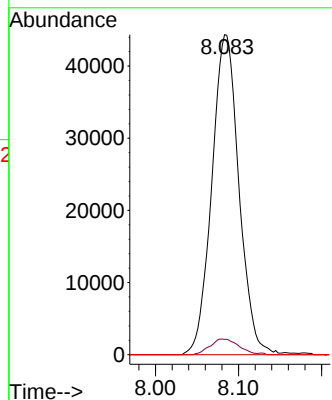


#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Instrument :
MSVOA_N
ClientSampleId :

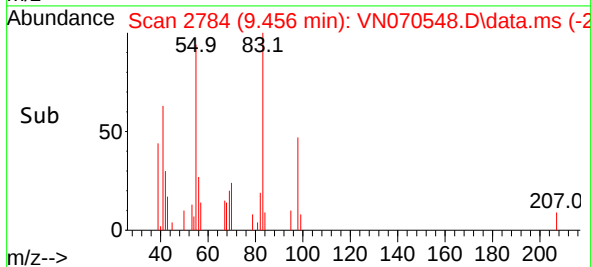
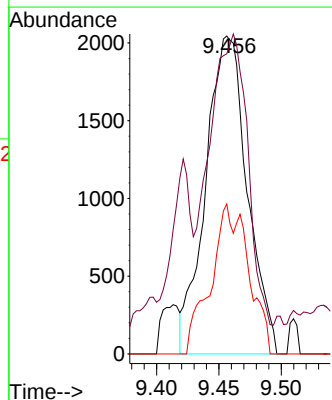
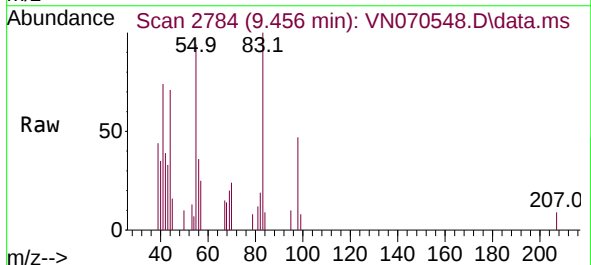


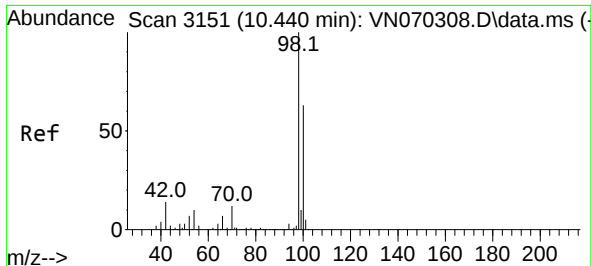
Tgt Ion:117 Resp: 100747
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.224 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 83 Resp: 4754
Ion Ratio Lower Upper
83 100
55 82.5 58.1 87.1
98 47.2 38.4 57.6

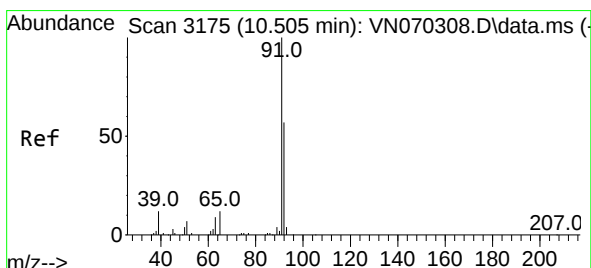
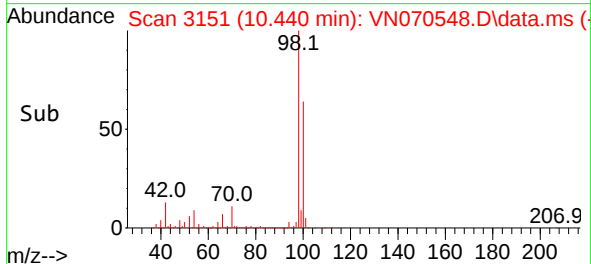
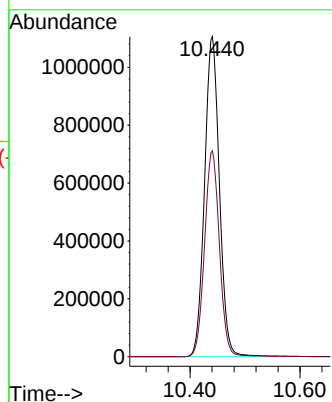
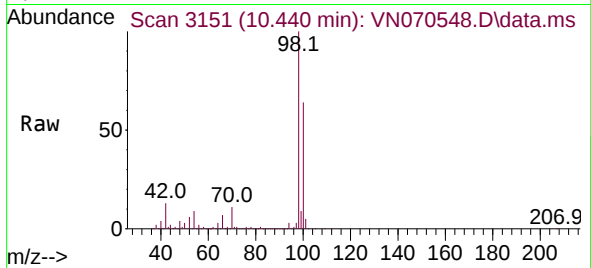




#50
Toluene-d8
Concen: 47.892 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

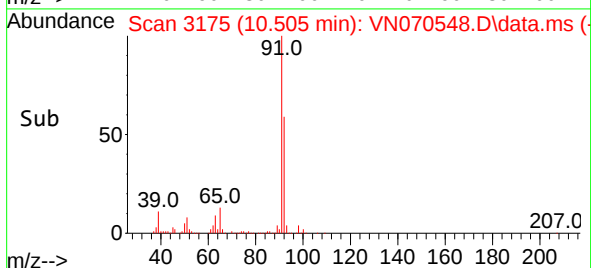
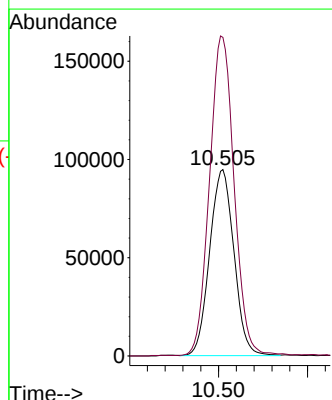
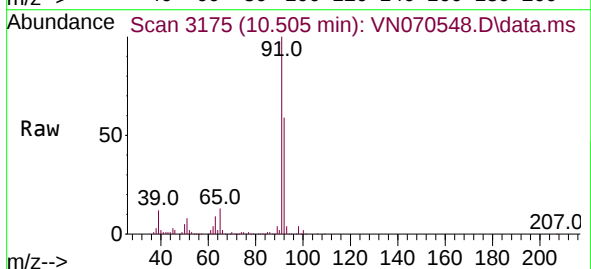
Instrument :
MSVOA_N
ClientSampleId :

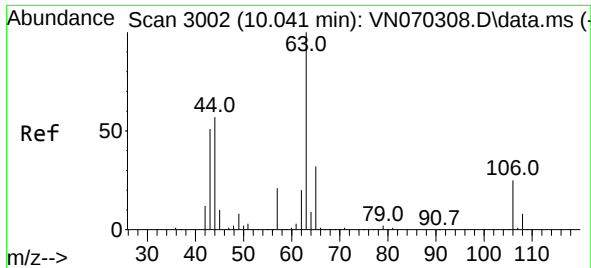
Tgt Ion: 98 Resp: 2074564
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#52
Toluene
Concen: 5.517 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 92 Resp: 179571
Ion Ratio Lower Upper
92 100
91 173.8 142.0 213.0

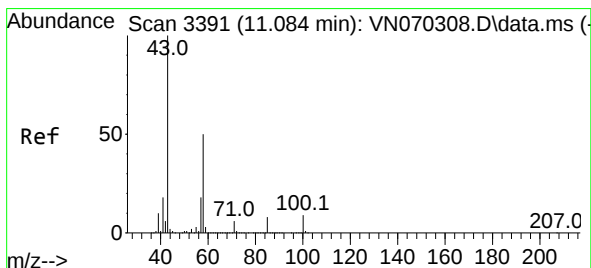
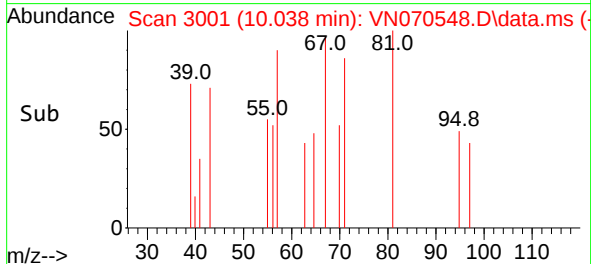
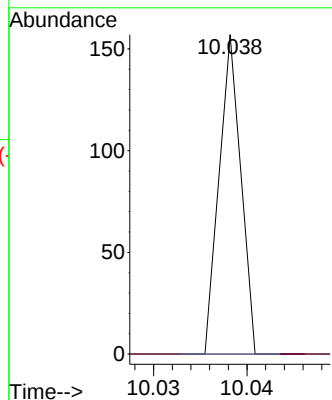
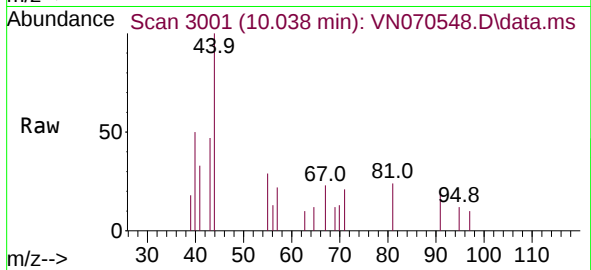




#58
2-Chloroethyl Vinyl ether
Concen: 18.517 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

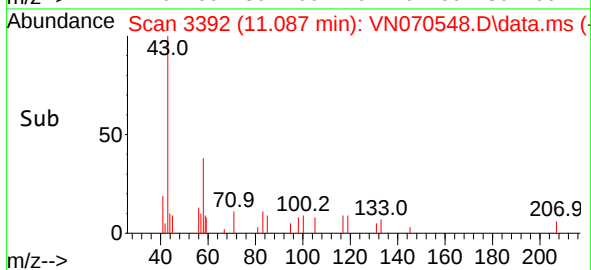
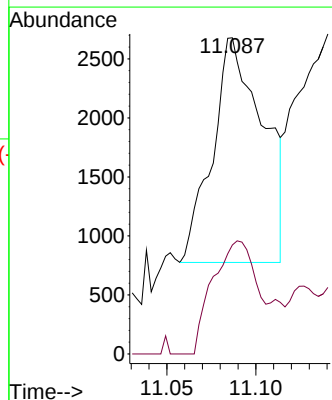
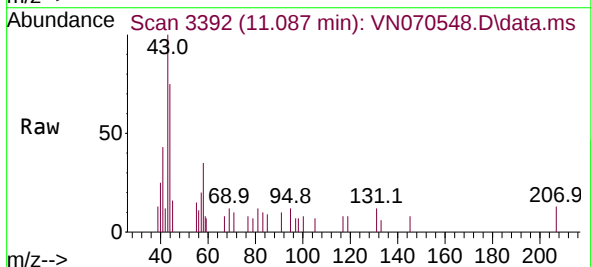
Instrument :
MSVOA_N
ClientSampleId :

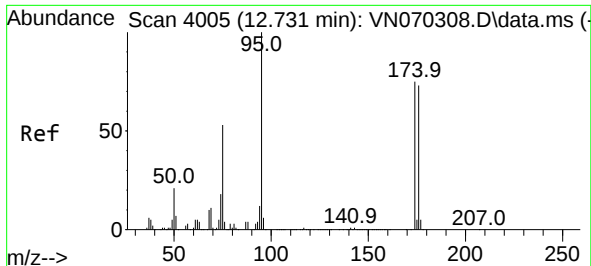
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.229 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
58 45.4 26.9 80.7

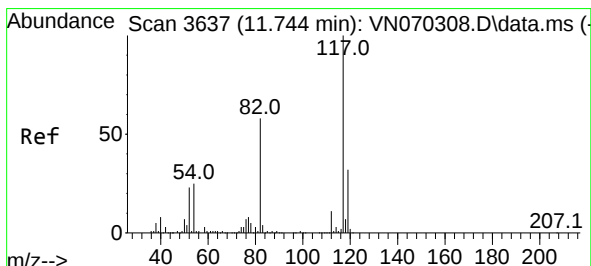
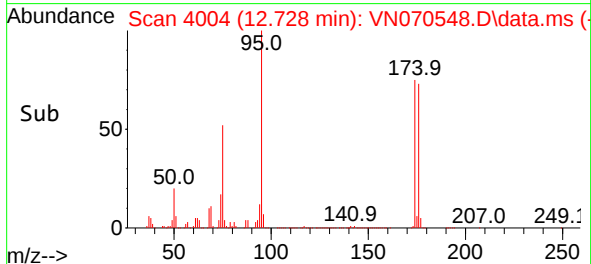
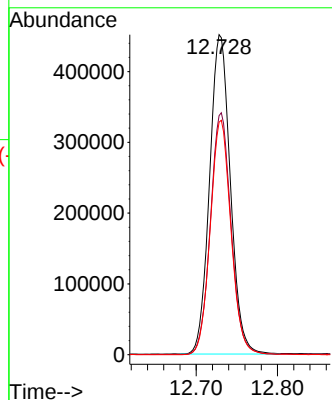
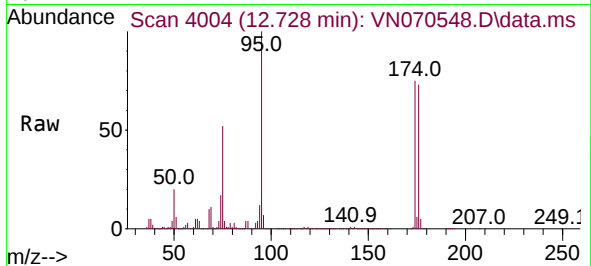




#62
4-Bromofluorobenzene
Concen: 51.219 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

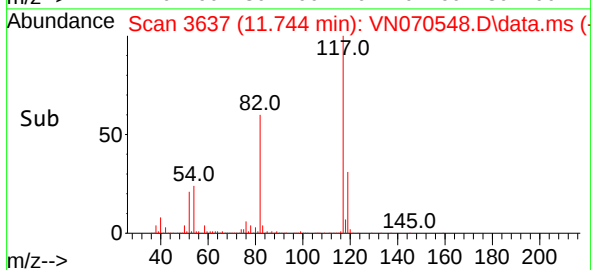
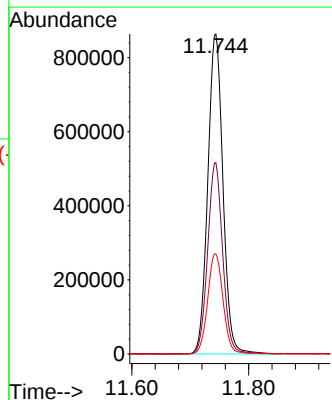
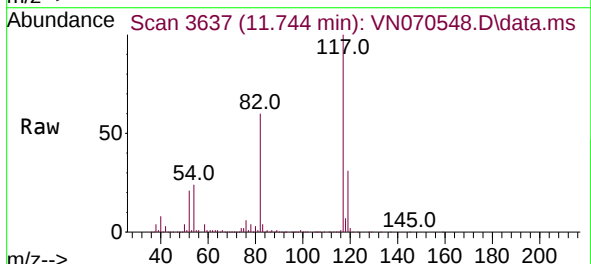
Instrument :
MSVOA_N
ClientSampleId :

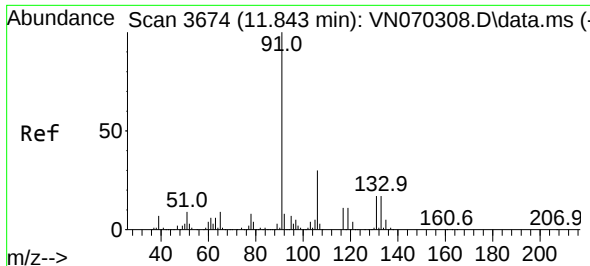
Tgt Ion: 95 Resp: 801335
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 117 Resp: 1552935
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.2 25.4 38.2

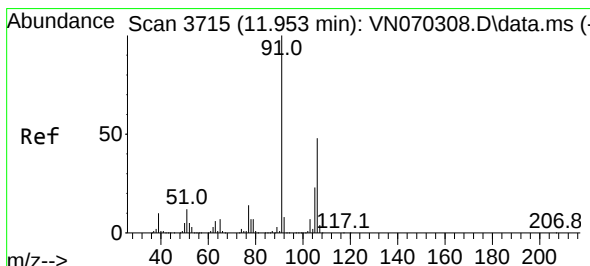
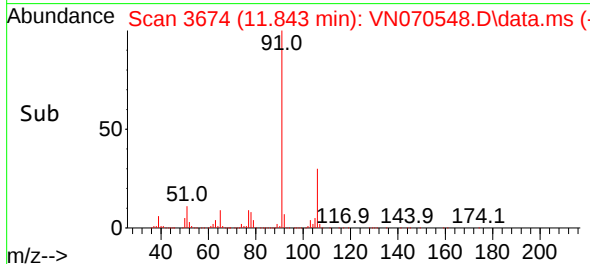
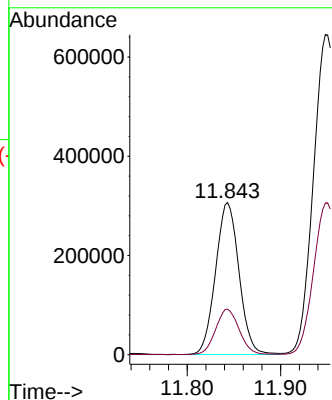
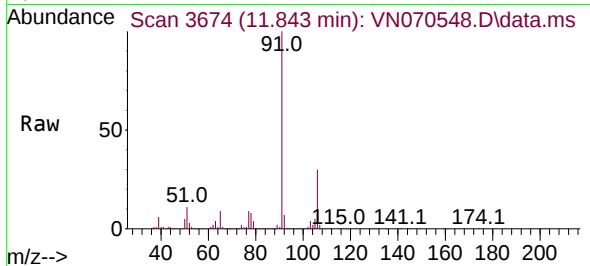




#67
Ethyl Benzene
Concen: 8.866 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

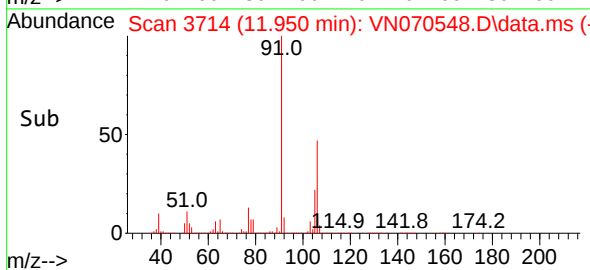
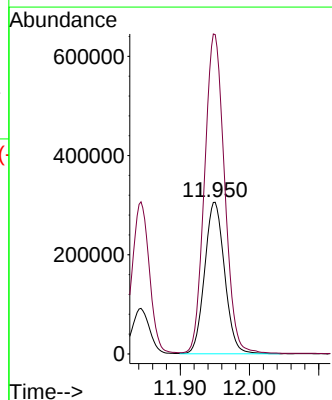
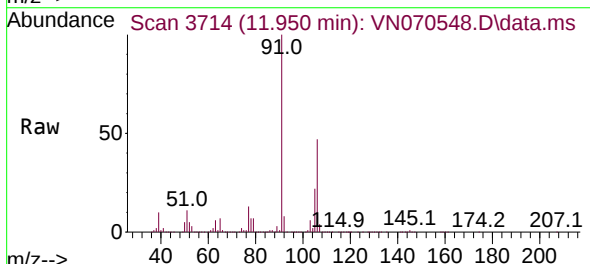
Instrument :
MSVOA_N
ClientSampleId :

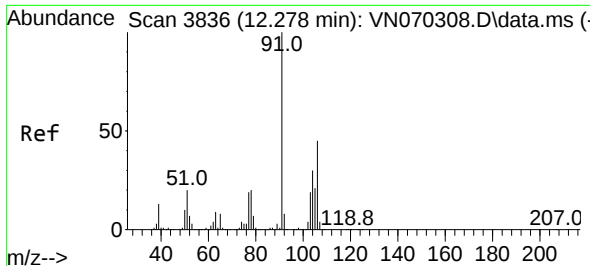
Tgt Ion: 91 Resp: 535229
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5



#68
m/p-Xylenes
Concen: 27.826 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 106 Resp: 611484
Ion Ratio Lower Upper
106 100
91 212.1 160.6 240.8

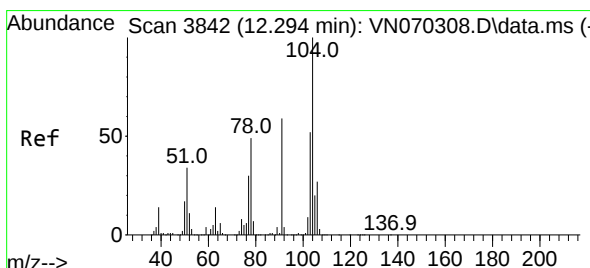
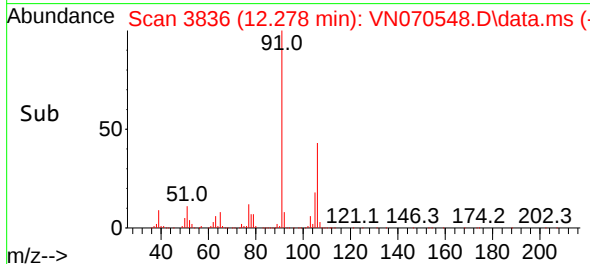
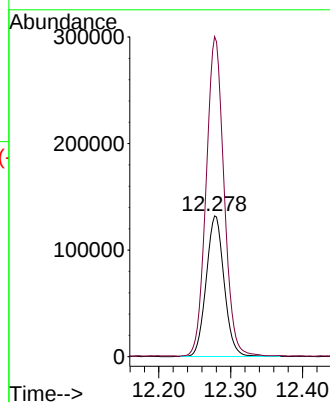
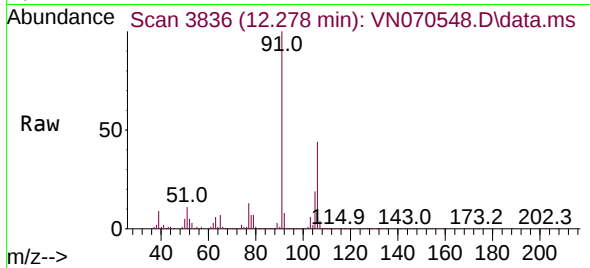




#69
o-Xylene
Concen: 10.476 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

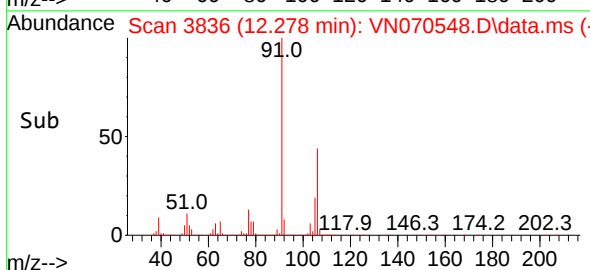
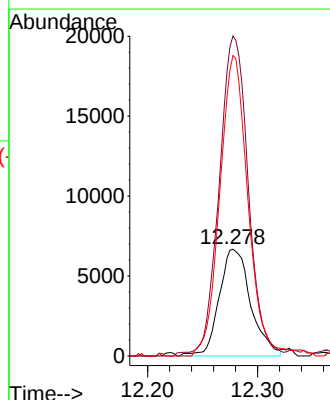
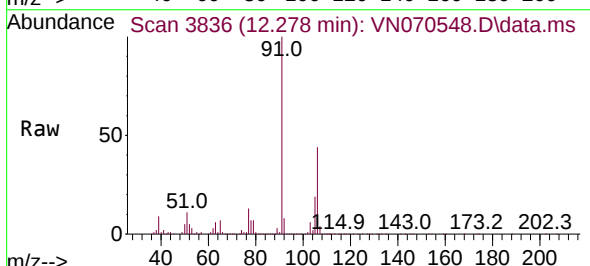
Instrument :
MSVOA_N
ClientSampleId :

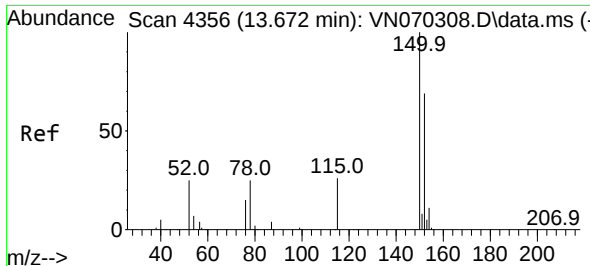
Tgt Ion:106 Resp: 228987
Ion Ratio Lower Upper
106 100
91 226.7 105.8 317.3



#70
Styrene
Concen: 0.384 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.016 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

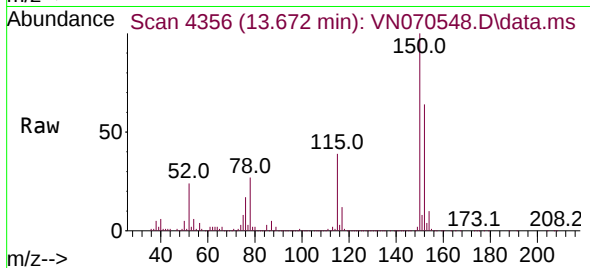
Tgt Ion:104 Resp: 13299
Ion Ratio Lower Upper
104 100
78 275.9 38.7 58.1#
103 252.8 45.0 67.6#



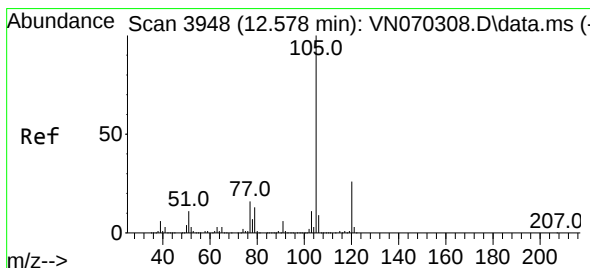
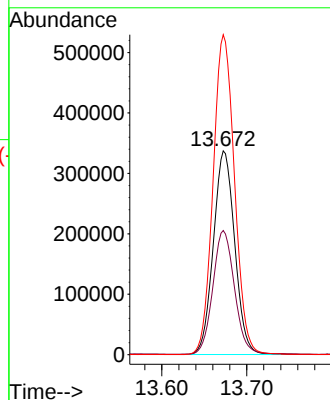
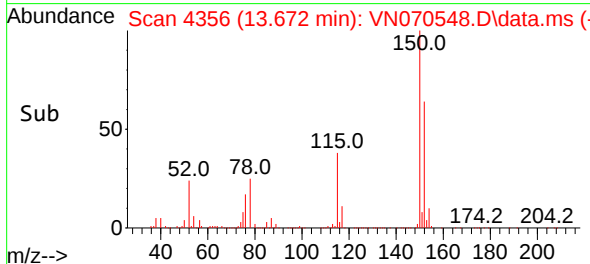


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

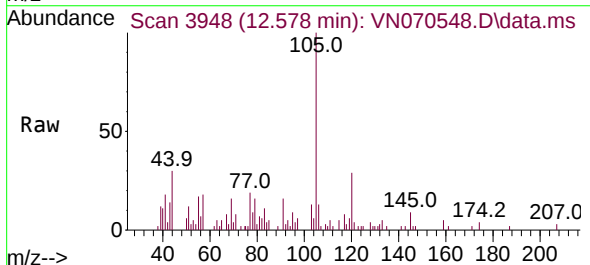
Instrument :
MSVOA_N
ClientSampleId :



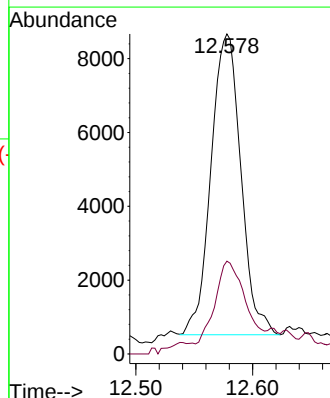
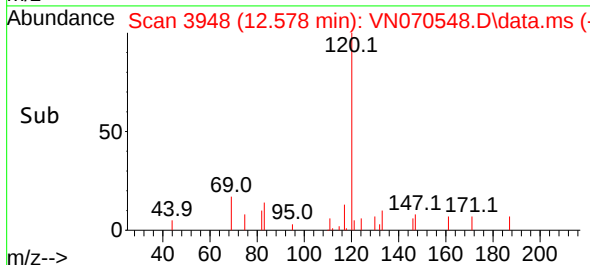
Tgt Ion:152 Resp: 589525
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.2 0.0 344.4

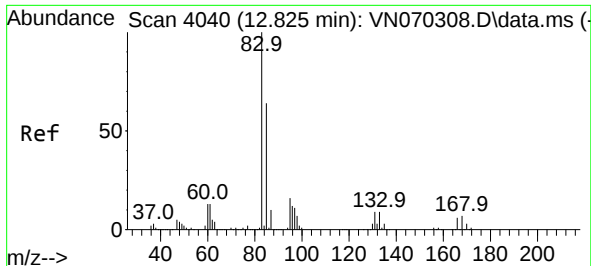


#73
Isopropylbenzene
Concen: 0.265 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19



Tgt Ion:105 Resp: 14518
Ion Ratio Lower Upper
105 100
120 27.6 13.4 40.1

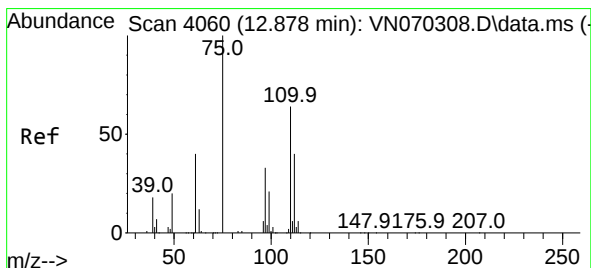
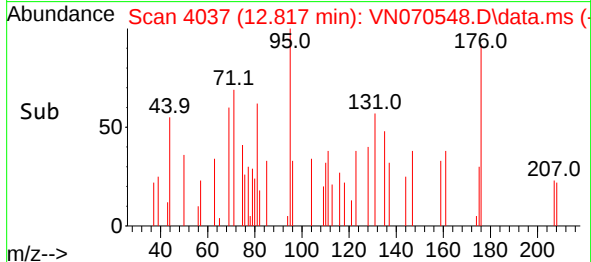
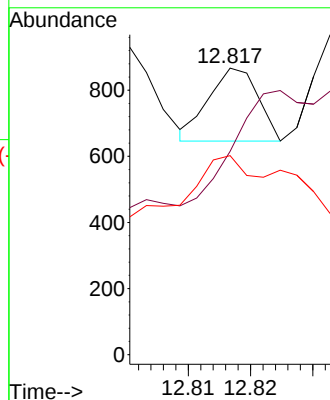
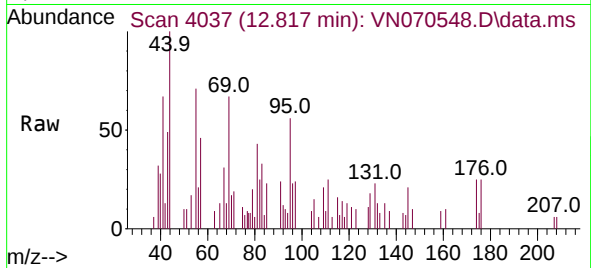




#75
1,1,2,2-Tetrachloroethane
Concen: 0.453 ug/l
RT: 12.817 min Scan# 4003
Delta R.T. -0.008 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

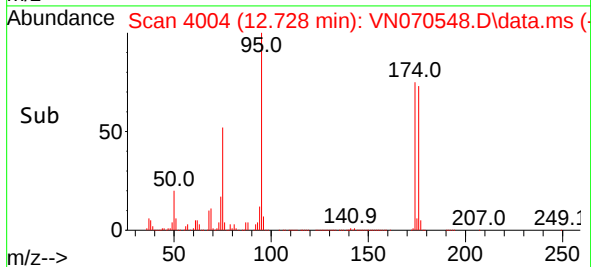
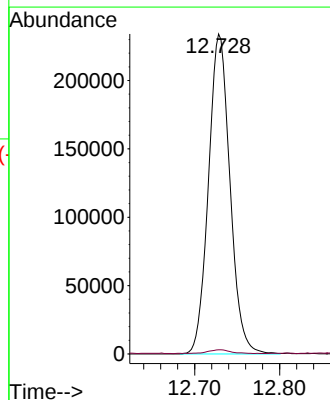
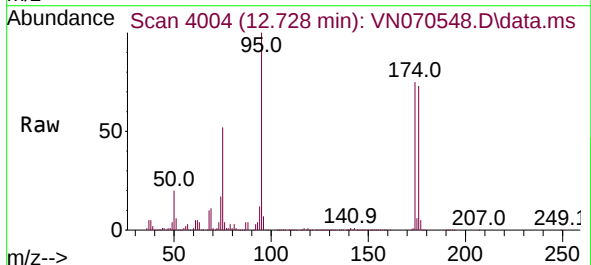
Instrument :
MSVOA_N
ClientSampleId :

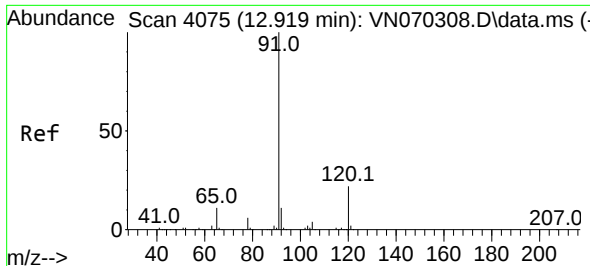
Tgt Ion: 83 Resp: 121
Ion Ratio Lower Upper
83 100
131 439.7 5.5 16.5#
85 519.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.018 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 75 Resp: 411411
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

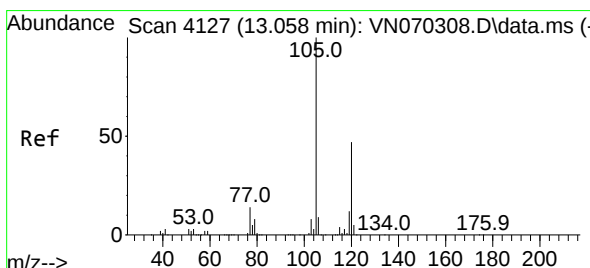
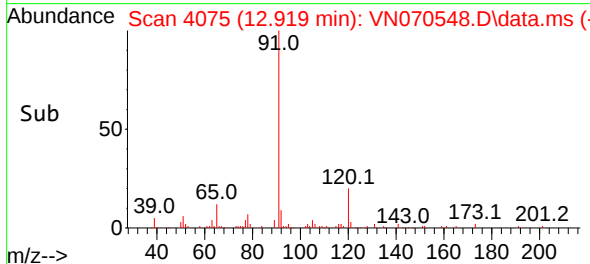
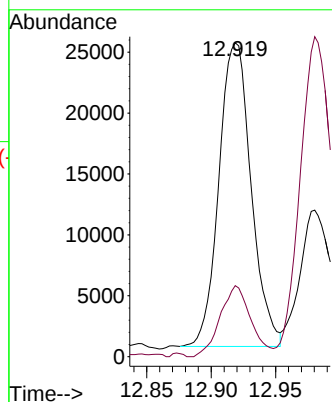
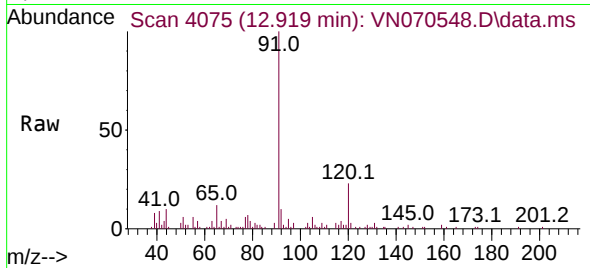




#78
n-propylbenzene
Concen: 0.715 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

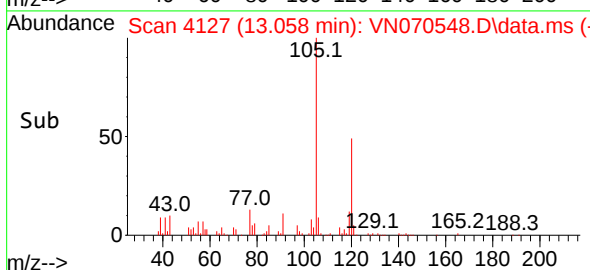
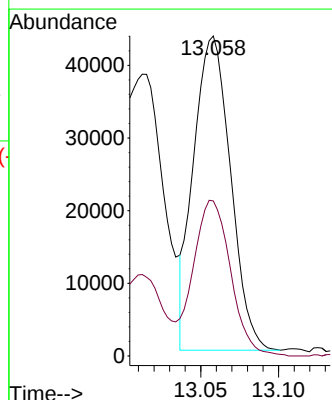
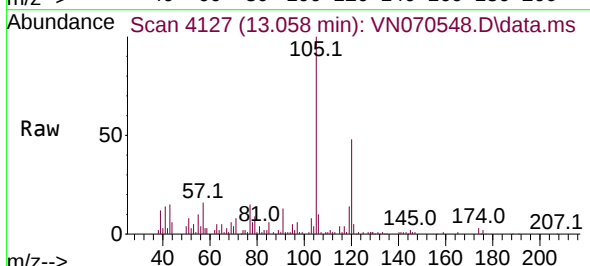
Instrument :
MSVOA_N
ClientSampleId :

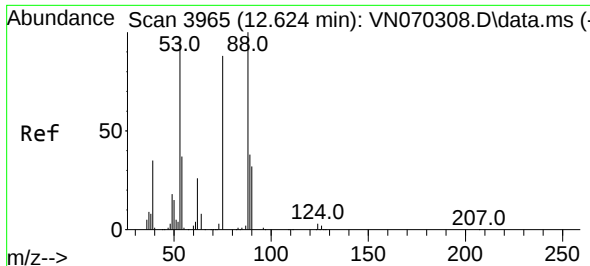
Tgt Ion: 91 Resp: 43363
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 1.624 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion:105 Resp: 71261
Ion Ratio Lower Upper
105 100
120 50.3 24.6 73.6

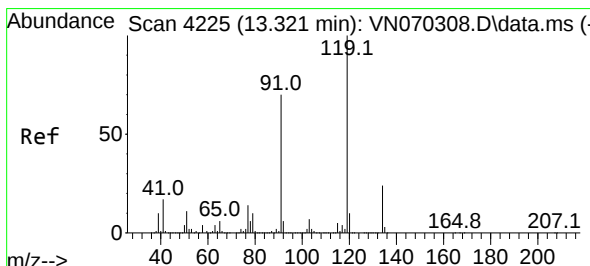
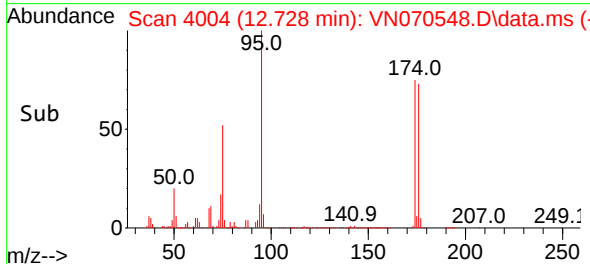
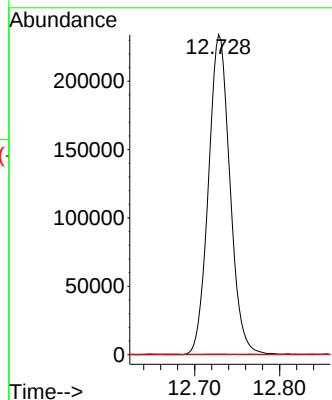
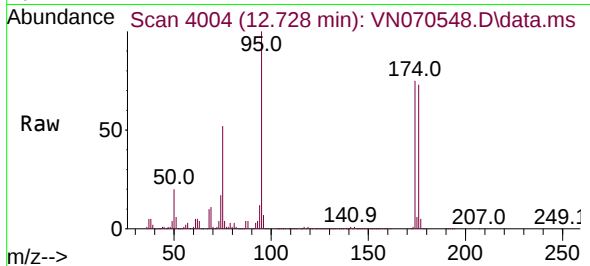




#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.263 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. 0.104 min
 Lab File: VN070548.D
 Acq: 10 Jan 2022 17:19

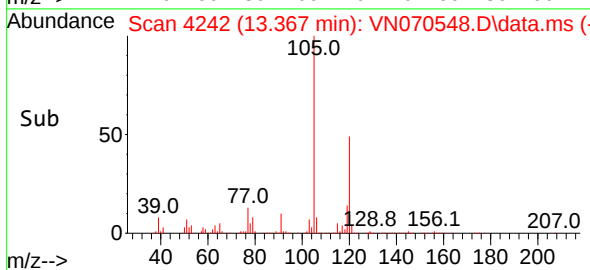
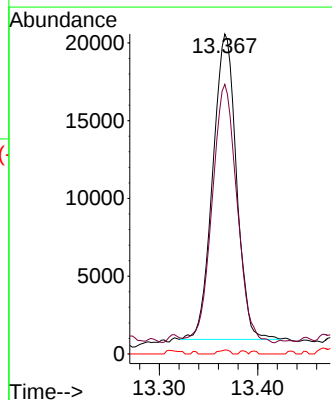
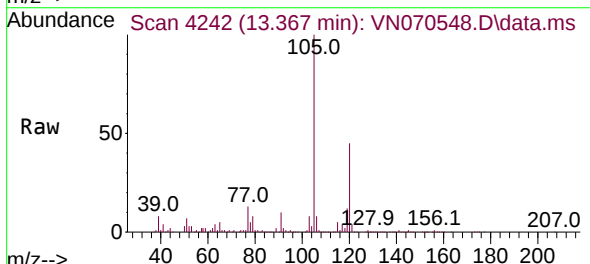
Instrument :
 MSVOA_N
 ClientSampleId :

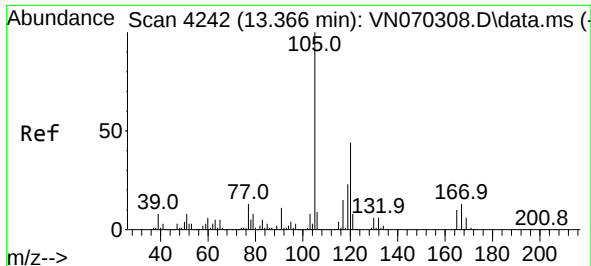
Tgt Ion: 75 Resp: 411411
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#83
 tert-Butylbenzene
 Concen: 0.850 ug/l
 RT: 13.367 min Scan# 4242
 Delta R.T. 0.046 min
 Lab File: VN070548.D
 Acq: 10 Jan 2022 17:19

Tgt Ion: 119 Resp: 32819
 Ion Ratio Lower Upper
 119 100
 91 89.1 31.5 94.5
 134 0.6 12.4 37.4#

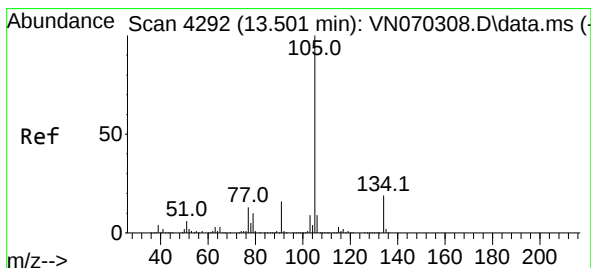
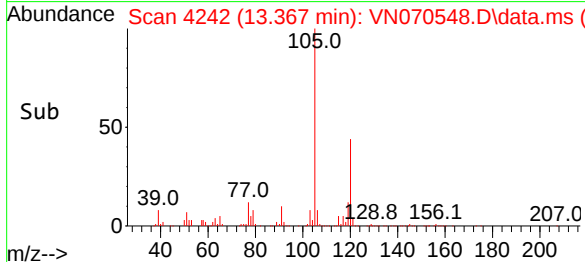
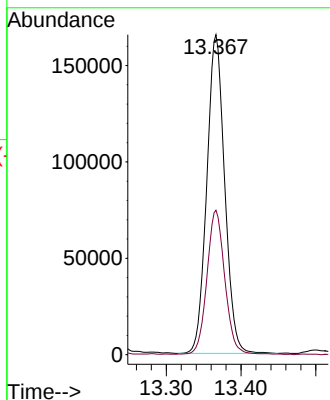
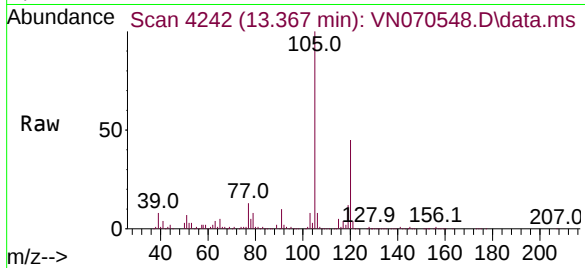




#84
1,2,4-Trimethylbenzene
Concen: 6.505 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. 0.001 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

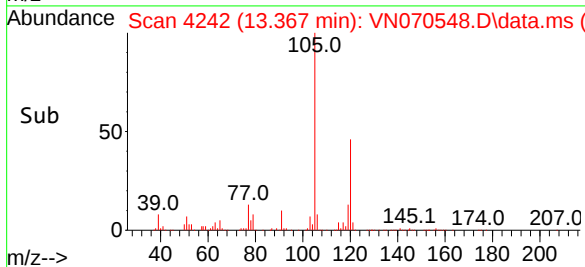
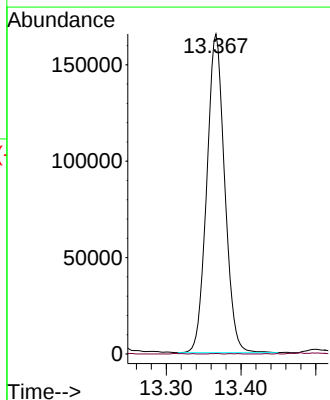
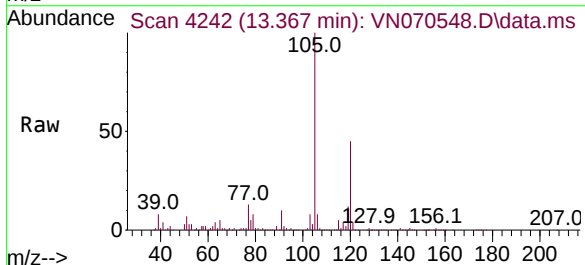
Instrument :
MSVOA_N
ClientSampleId :

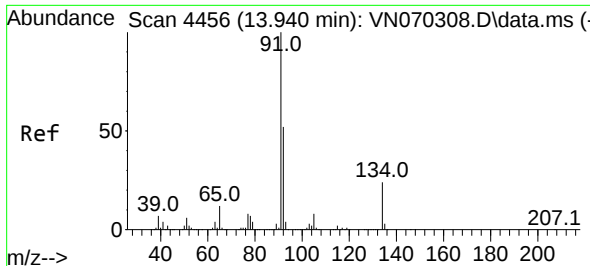
Tgt Ion:105 Resp: 274792
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.4



#85
sec-Butylbenzene
Concen: 5.239 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. -0.134 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion:105 Resp: 274792
Ion Ratio Lower Upper
105 100
134 0.1 10.4 31.1#

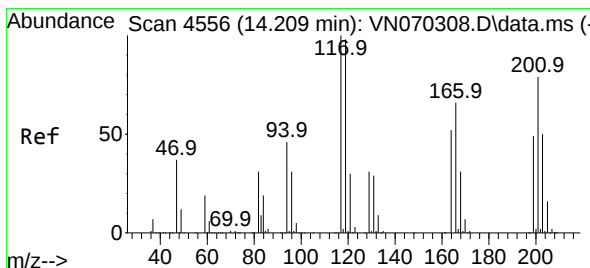
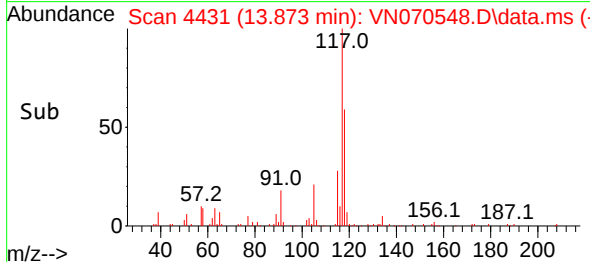
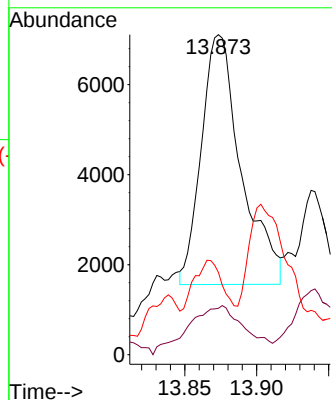
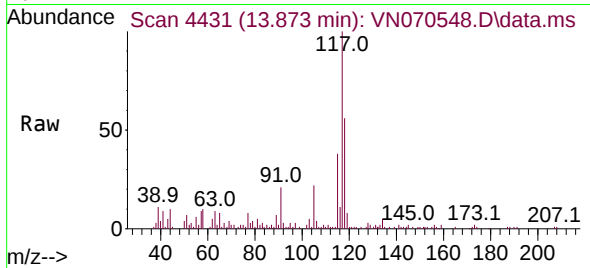




#89
n-Butylbenzene
Concen: 0.311 ug/l
RT: 13.873 min Scan# 4455
Delta R.T. -0.067 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

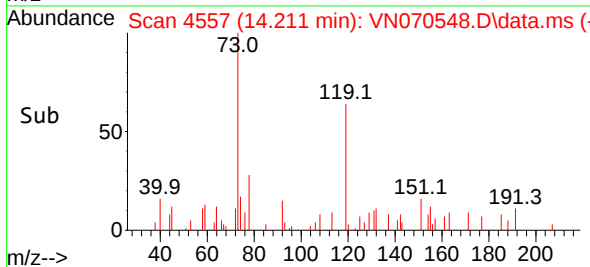
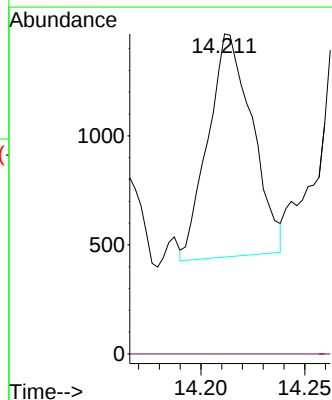
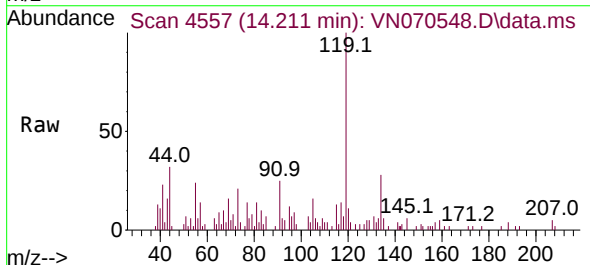
Instrument :
MSVOA_N
ClientSampleId :

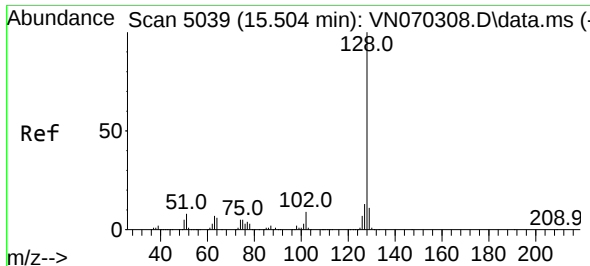
Tgt Ion: 91 Resp: 10689
Ion Ratio Lower Upper
91 100
92 28.3 25.4 76.0
134 32.1 13.6 40.8



#90
Hexachloroethane
Concen: 0.212 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.002 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion: 117 Resp: 1514
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

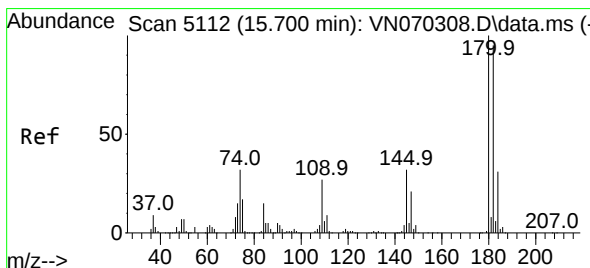
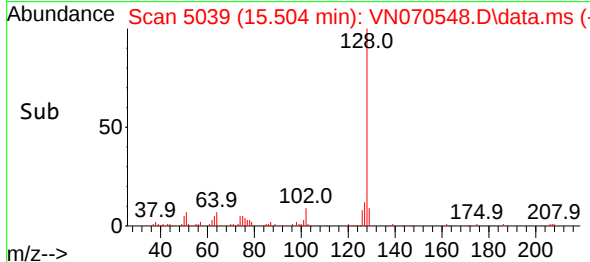
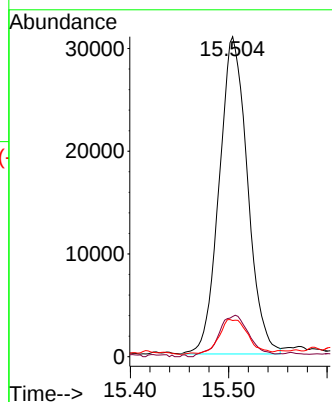
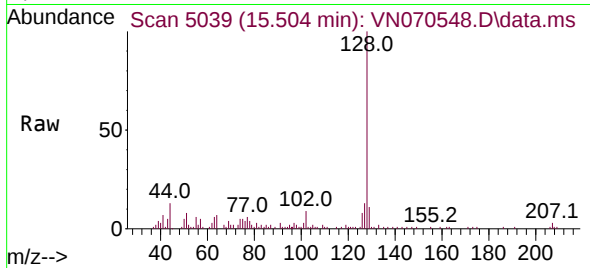




#95
Naphthalene
Concen: 4.011 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 61693
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.897 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070548.D
Acq: 10 Jan 2022 17:19

Tgt Ion:180 Resp: 670
Ion Ratio Lower Upper
180 100
182 144.6 47.4 142.2#
145 27.6 15.0 45.1

