

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070341.D
 Acq On : 29 Dec 2021 11:13
 Operator : JC/MD
 Sample : VN1229MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:48:34 2021
 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)

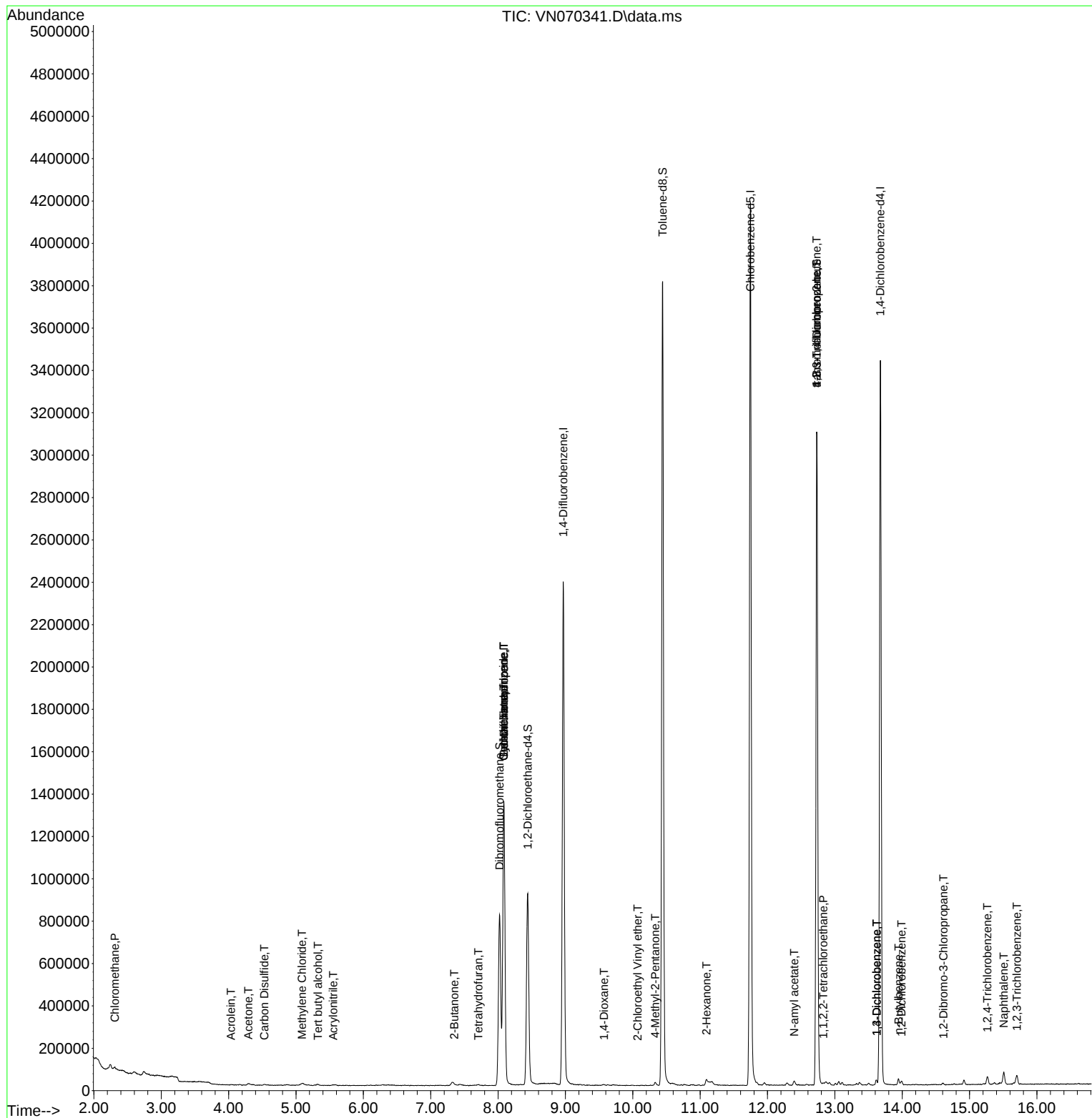
Internal Standards						
1) Pentafluorobenzene	8.086	168	1026790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2000161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2394333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	940285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	790099	53.518	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.040%	
35) Dibromofluoromethane	8.021	113	604278	49.932	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.860%	
50) Toluene-d8	10.443	98	2661761	53.841	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.680%	
62) 4-Bromofluorobenzene	12.731	95	1117286	62.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 125.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3827	0.242	ug/l	97
11) Tert butyl alcohol	5.326	59	1827	0.743	ug/l #	71
13) Acrolein	4.036	56	751	0.377	ug/l #	47
15) Acrylonitrile	5.554	53	1549	0.202	ug/l #	39
16) Acetone	4.293	43	5371	0.560	ug/l #	89
17) Carbon Disulfide	4.529	76	6766	0.237	ug/l	96
20) Methylene Chloride	5.090	84	5336	0.402	ug/l #	90
25) 2-Butanone	7.351	43	4038	0.335	ug/l	99
29) Tetrahydrofuran	7.707	42	2570	0.357	ug/l #	51
31) Cyclohexane	8.083	56	23900	1.026	ug/l #	14
36) 1,1-Dichloropropene	8.086	75	83350	4.163	ug/l #	49
38) Carbon Tetrachloride	8.083	117	101000	5.283	ug/l #	16
49) 1,4-Dioxane	9.574	88	683	2.391	ug/l #	41
51) 4-Methyl-2-Pentanone	10.333	43	11079	0.431	ug/l	90
58) 2-Chloroethyl Vinyl ether	10.070	63	78	18.525	ug/l #	45
59) 2-Hexanone	11.095	43	26570	1.417	ug/l	86
74) N-amyl acetate	12.396	43	13751	0.375	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	3140	0.545	ug/l #	90
76) 1,2,3-Trichloropropane	12.731	75	587893	22.698	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	587893	76.388	ug/l #	5
87) 1,3-Dichlorobenzene	13.621	146	6739	0.201	ug/l	85
88) 1,4-Dichlorobenzene	13.621	146	6739	0.204	ug/l	85
89) n-Butylbenzene	13.946	91	15670	0.286	ug/l	98
91) 1,2-Dichlorobenzene	13.989	146	7460	0.227	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.611	75	2605	0.515	ug/l	60
93) 1,2,4-Trichlorobenzene	15.265	180	13548	0.874	ug/l	98
95) Naphthalene	15.507	128	54477	3.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	16291	1.907	ug/l	83

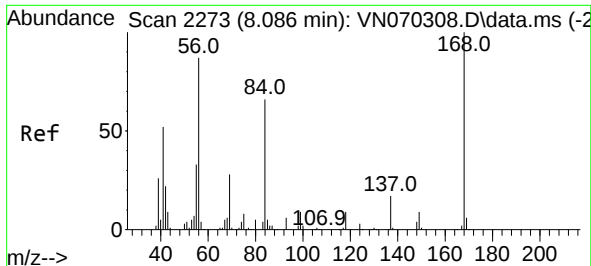
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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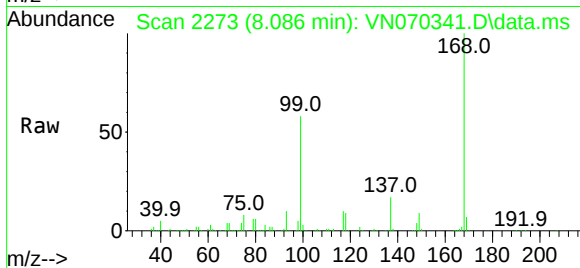
Quant Time: Dec 30 01:48:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
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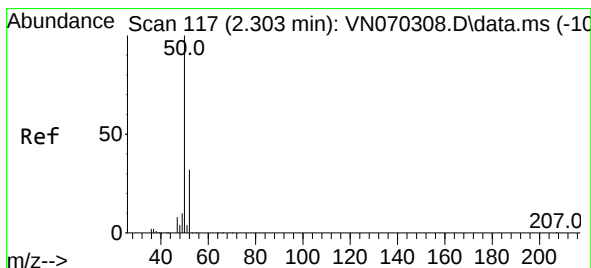
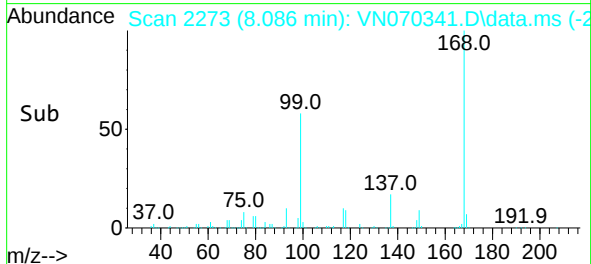
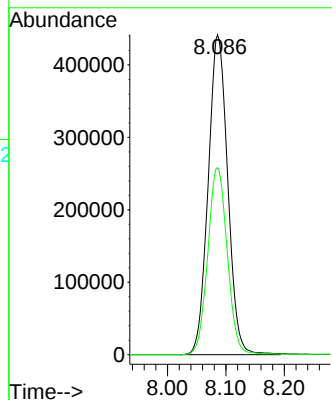


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

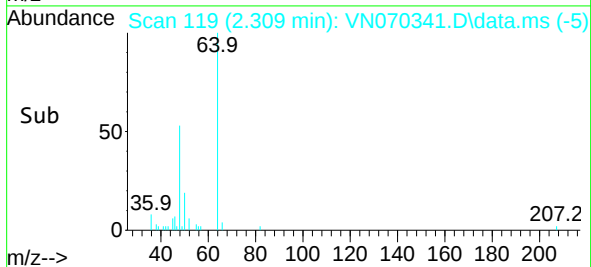
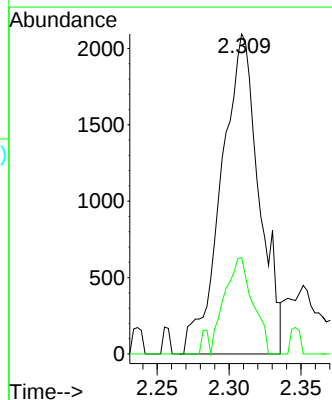
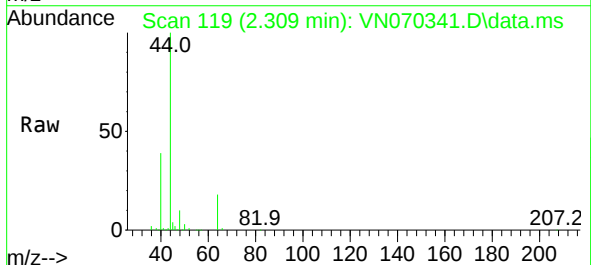


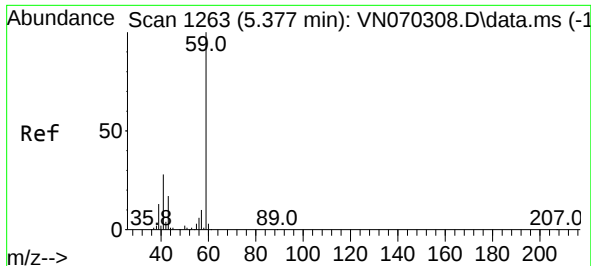
Tgt Ion:168 Resp: 1026790
Ion Ratio Lower Upper
168 100
99 58.5 41.3 61.9



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

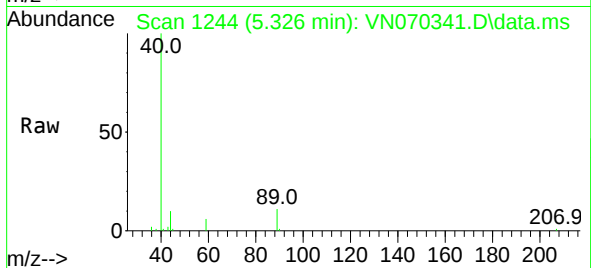
Tgt Ion: 50 Resp: 3827
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.0



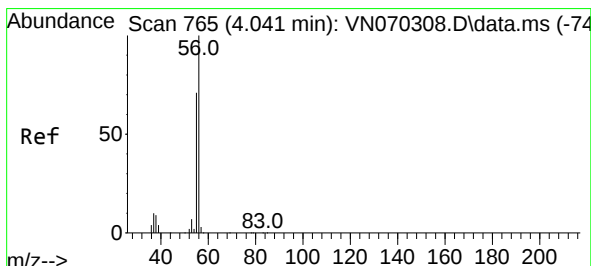
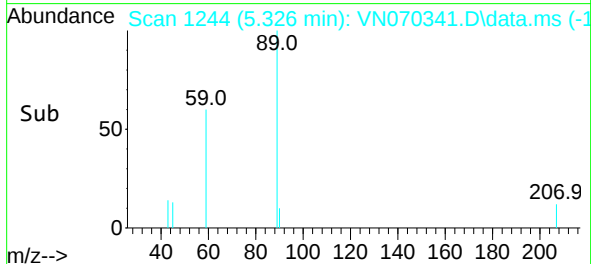
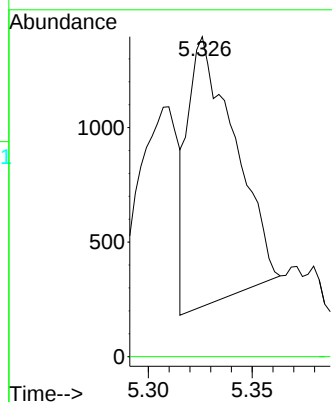


#11
Tert butyl alcohol
Concen: 0.743 ug/l
RT: 5.326 min Scan# 11
Delta R.T. -0.051 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

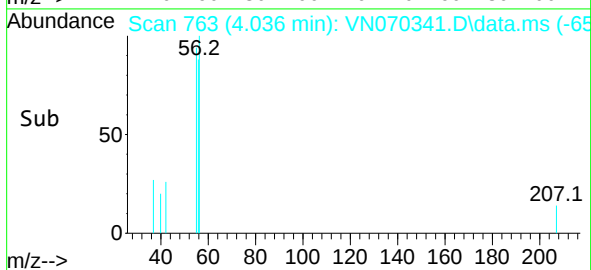
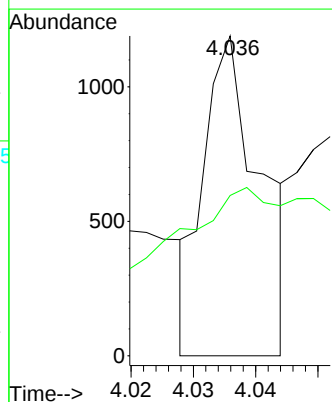
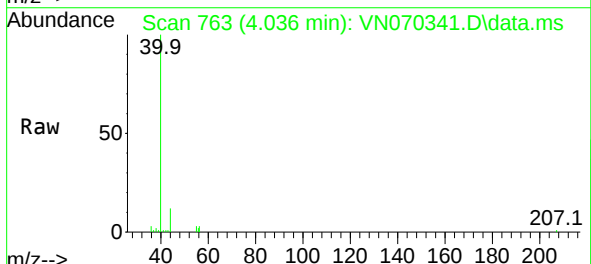


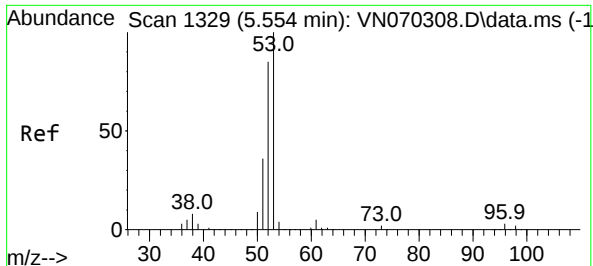
Tgt Ion: 59 Resp: 1827
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.377 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

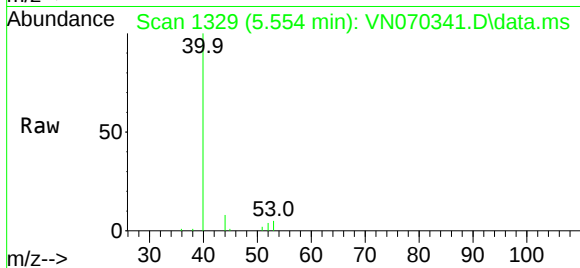
Tgt Ion: 56 Resp: 751
Ion Ratio Lower Upper
56 100
55 114.8 56.6 85.0#



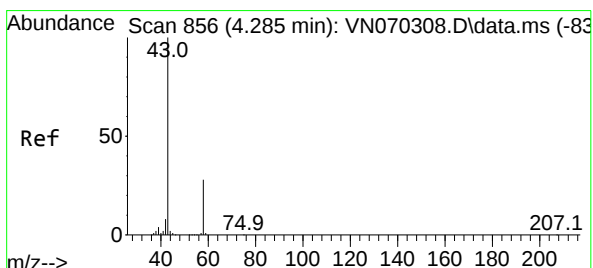
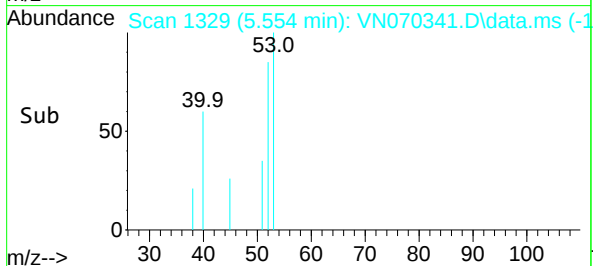
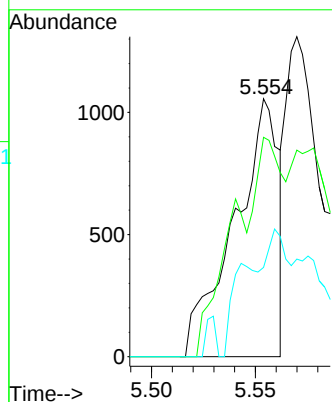


#15
Acrylonitrile
Concen: 0.202 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

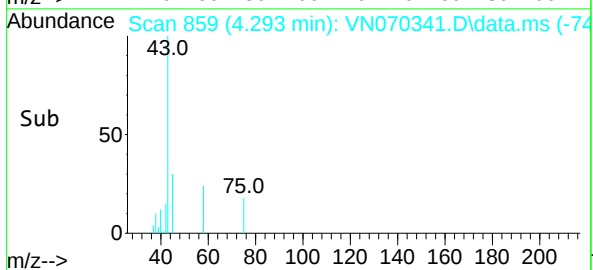
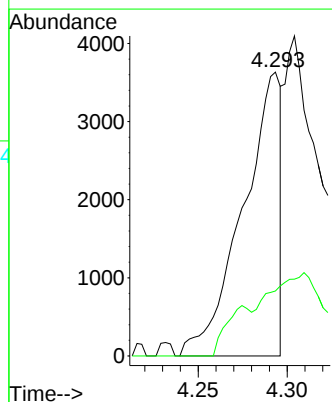
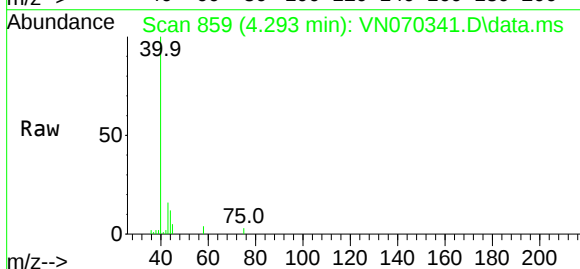


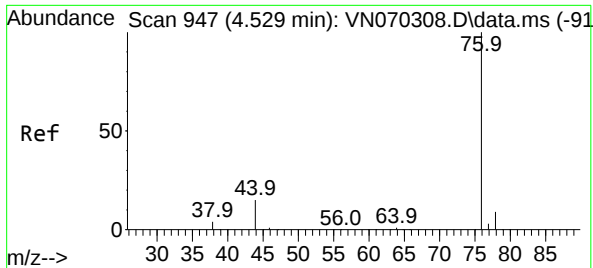
Tgt Ion: 53 Resp: 1549
Ion Ratio Lower Upper
53 100
52 22.5 66.2 99.2#
51 8.7 29.6 44.4#



#16
Acetone
Concen: 0.560 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

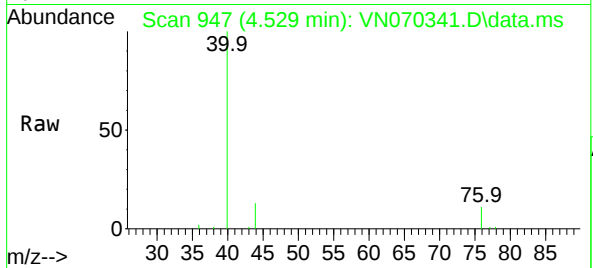
Tgt Ion: 43 Resp: 5371
Ion Ratio Lower Upper
43 100
58 22.9 23.1 34.7#



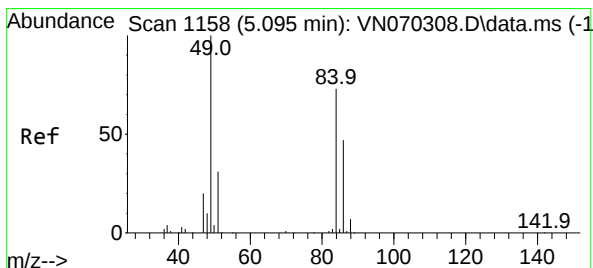
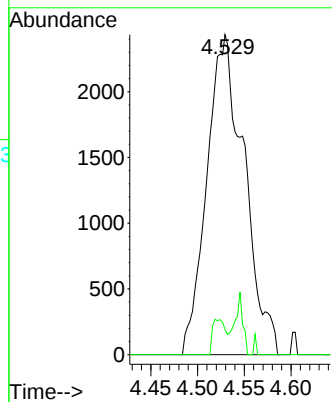
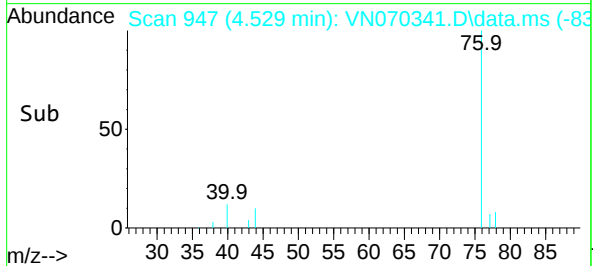


#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

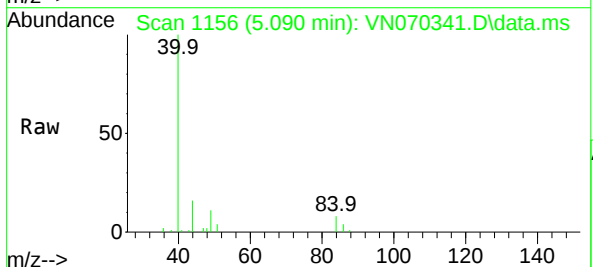
Instrument :
MSVOA_N
ClientSampleId :



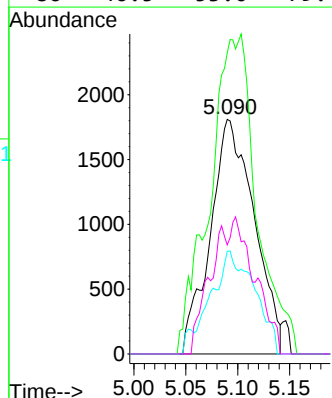
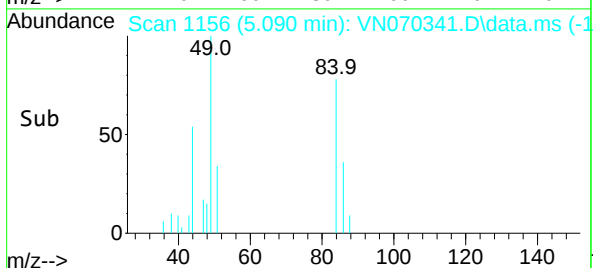
Tgt Ion: 76 Resp: 6766
Ion Ratio Lower Upper
76 100
78 7.9 7.5 11.3

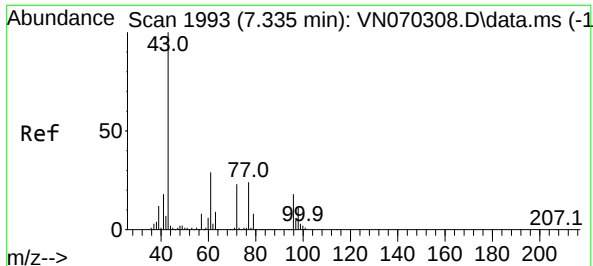


#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13



Tgt Ion: 84 Resp: 5336
Ion Ratio Lower Upper
84 100
49 118.2 93.5 140.3
51 43.7 29.4 44.2
86 46.5 53.0 79.4#





#25

2-Butanone

Concen: 0.335 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

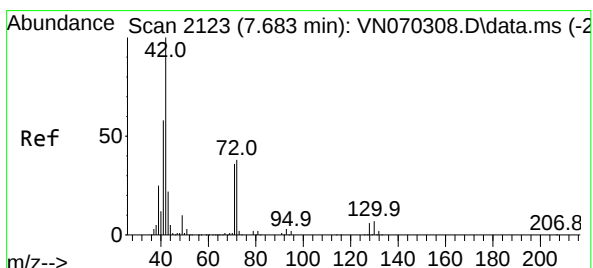
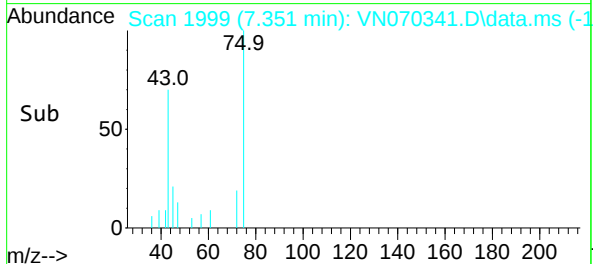
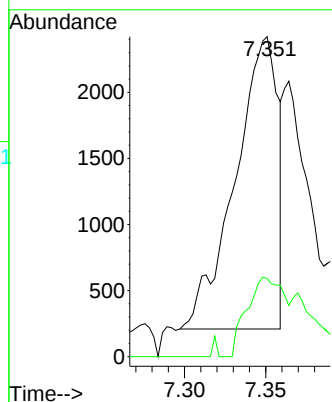
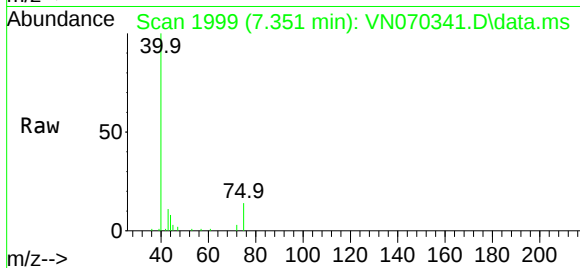
ClientSampleId :

Tgt Ion: 43 Resp: 4038

Ion Ratio Lower Upper

43 100

72 26.7 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.024 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

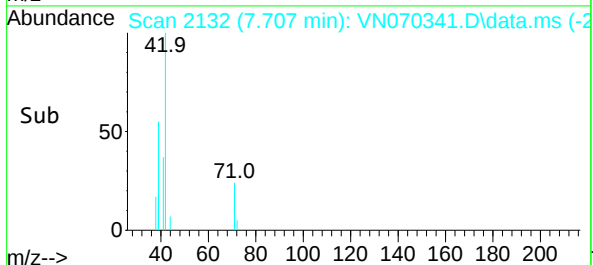
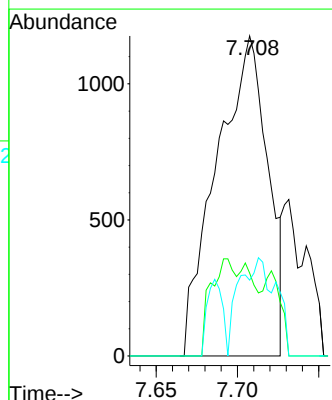
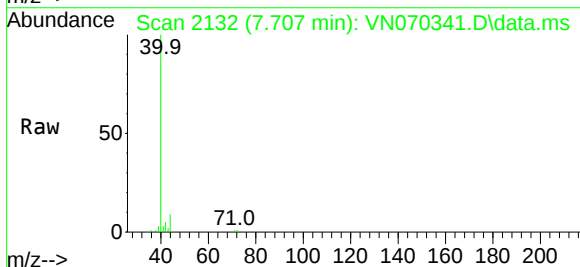
Tgt Ion: 42 Resp: 2570

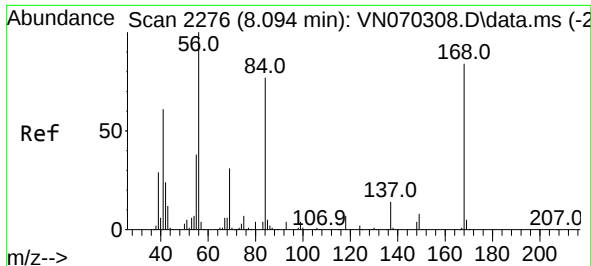
Ion Ratio Lower Upper

42 100

72 7.7 36.3 54.5#

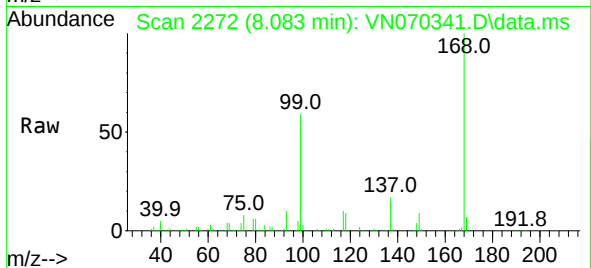
71 17.7 34.7 52.1#



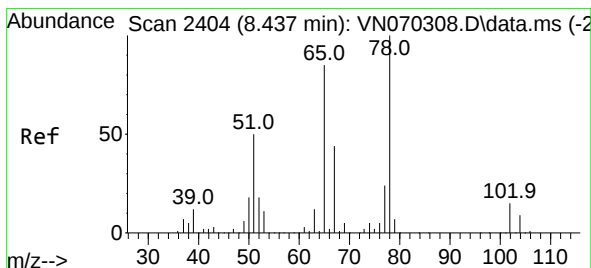
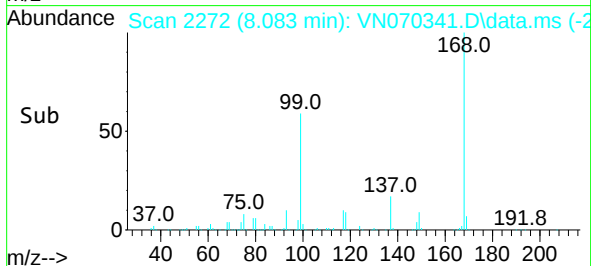
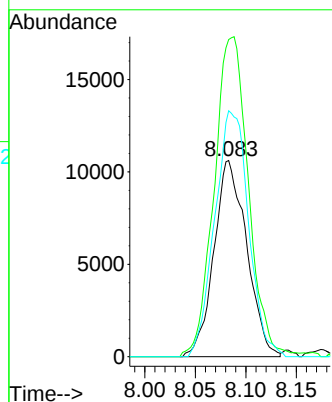


#31
Cyclohexane
Concen: 1.026 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
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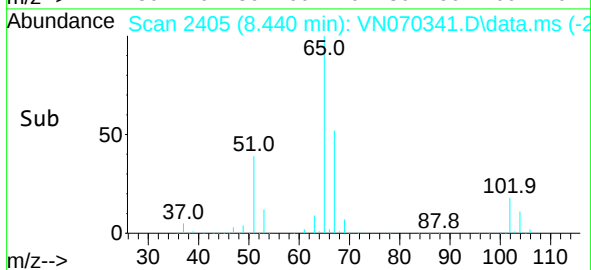
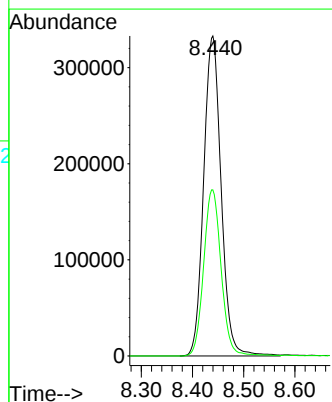
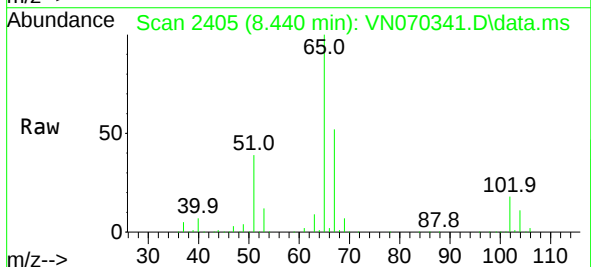


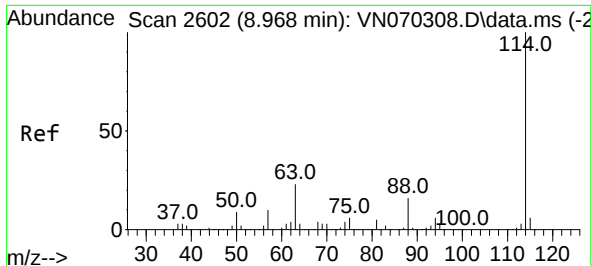
Tgt Ion: 56 Resp: 23900
Ion Ratio Lower Upper
56 100
69 161.7 27.1 40.7#
84 125.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.518 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion: 65 Resp: 790099
Ion Ratio Lower Upper
65 100
67 51.8 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: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

ClientSampleId :

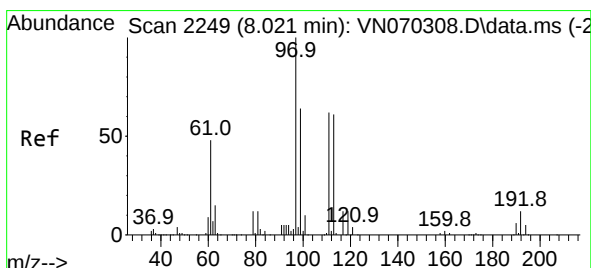
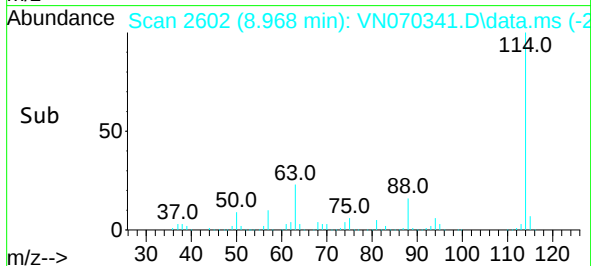
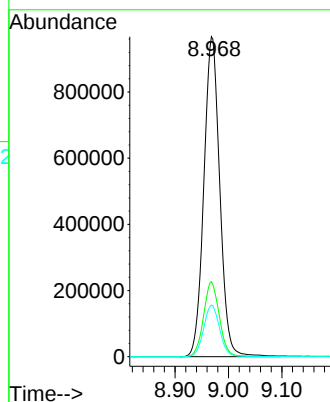
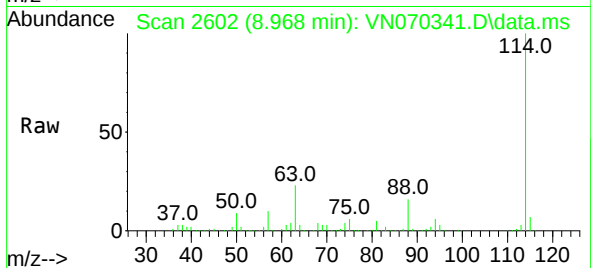
Tgt Ion:114 Resp: 2000161

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.932 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

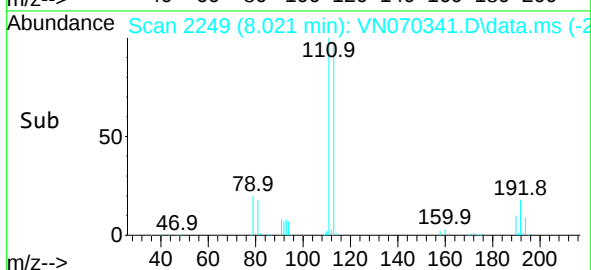
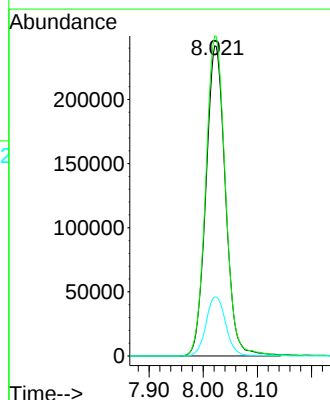
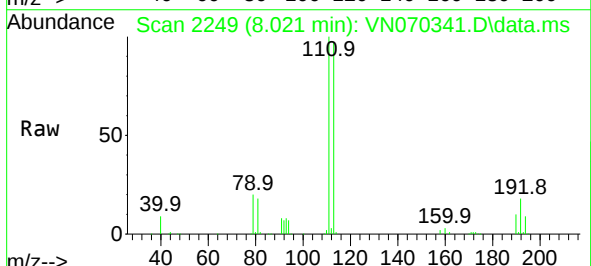
Tgt Ion:113 Resp: 604278

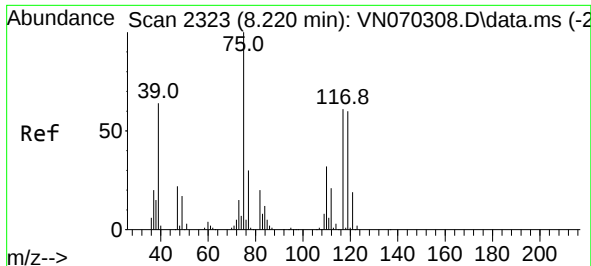
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

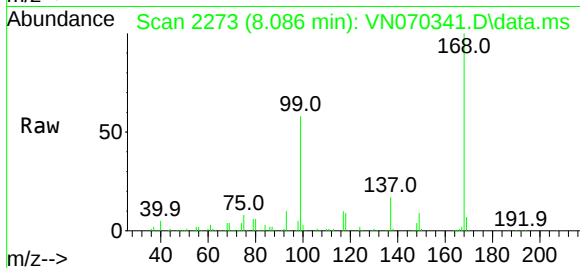
192 19.3 16.9 25.3



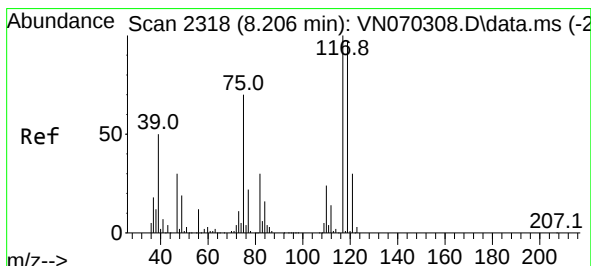
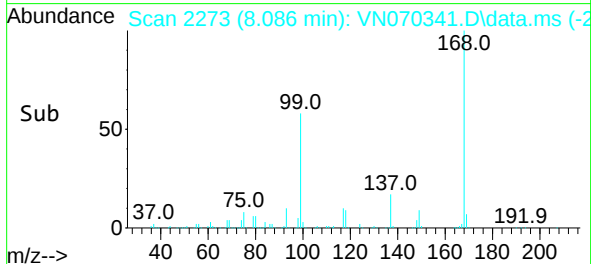
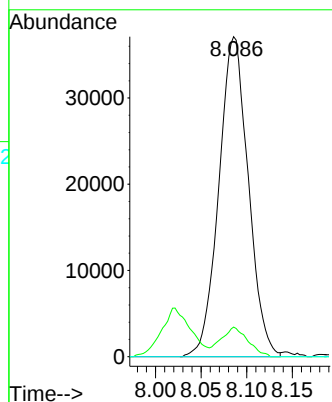


#36
1,1-Dichloropropene
Concen: 4.163 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

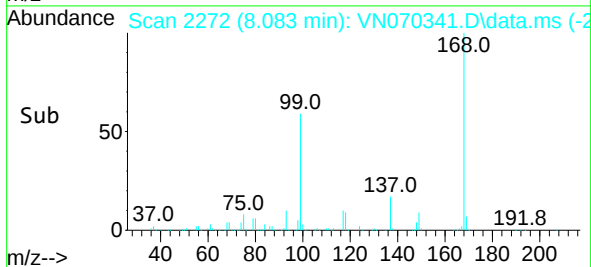
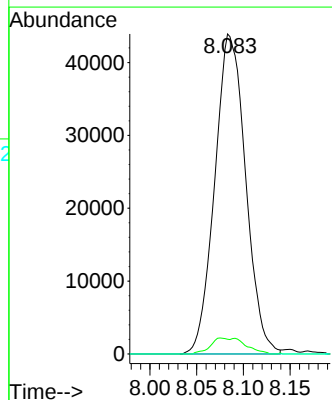
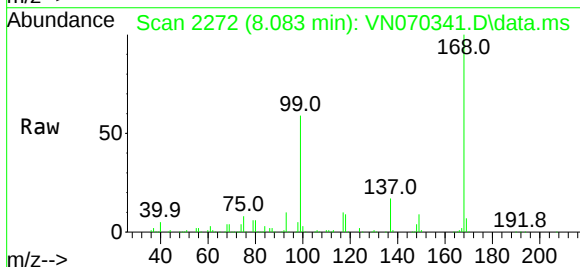


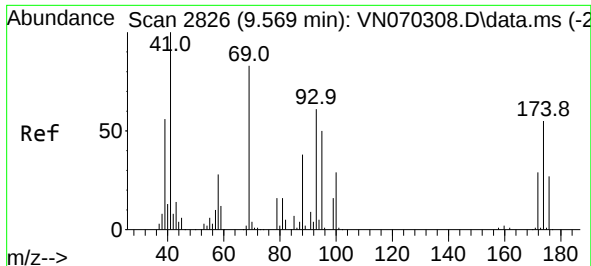
Tgt Ion: 75 Resp: 83350
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.283 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion: 117 Resp: 101000
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 2.391 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.005 min

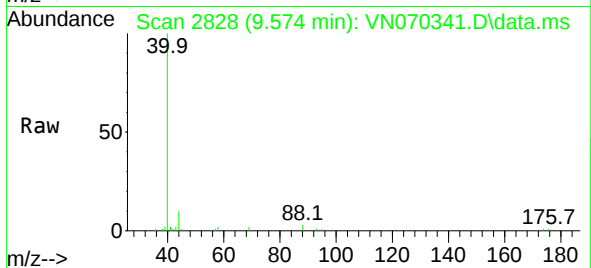
Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

ClientSampleId :



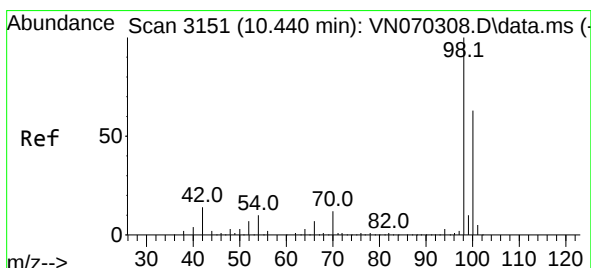
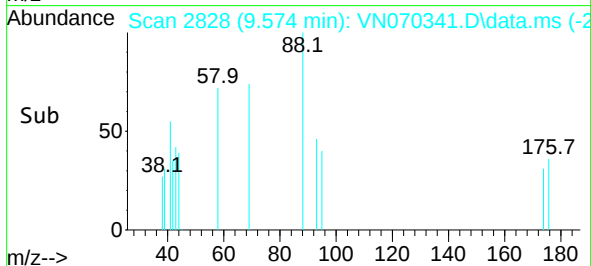
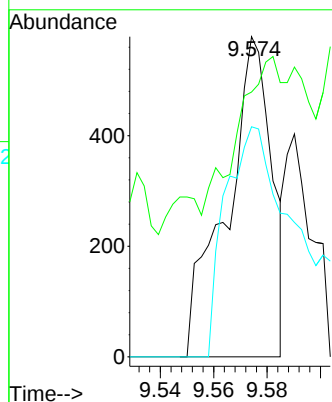
Tgt Ion: 88 Resp: 683

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 110.4 50.6 75.8#



#50

Toluene-d8

Concen: 53.841 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VN070341.D

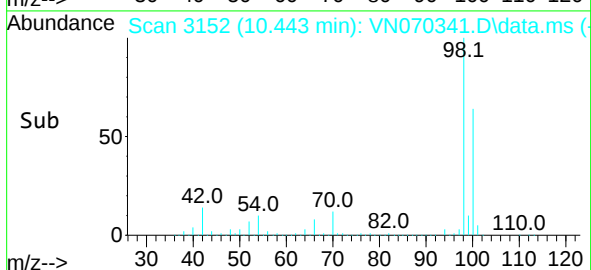
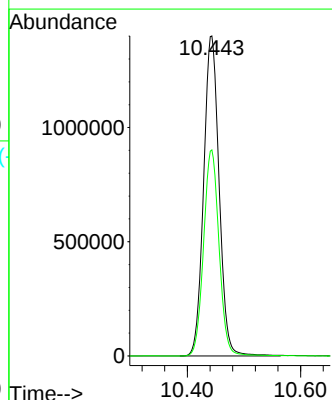
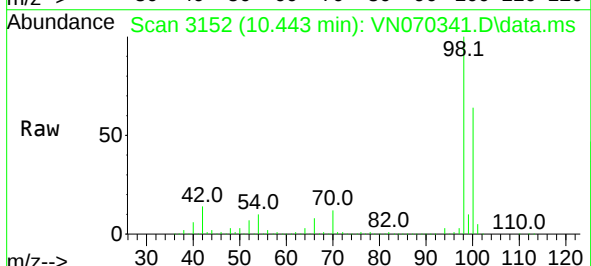
Acq: 29 Dec 2021 11:13

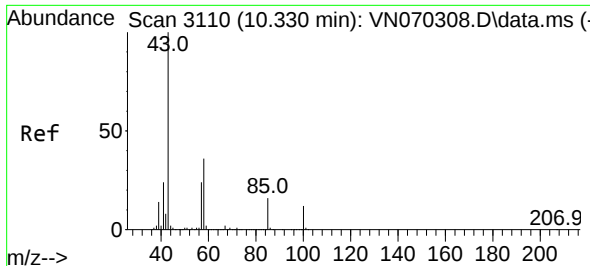
Tgt Ion: 98 Resp: 2661761

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

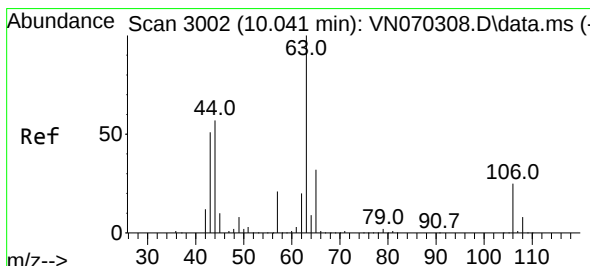
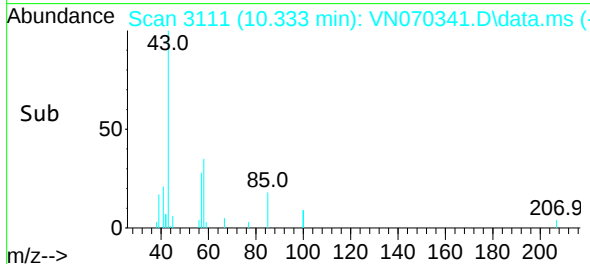
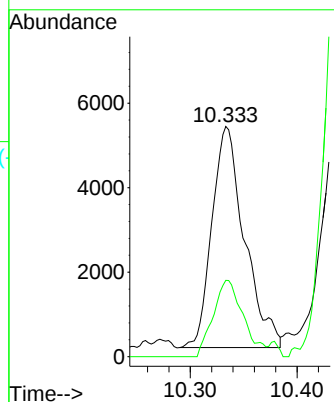
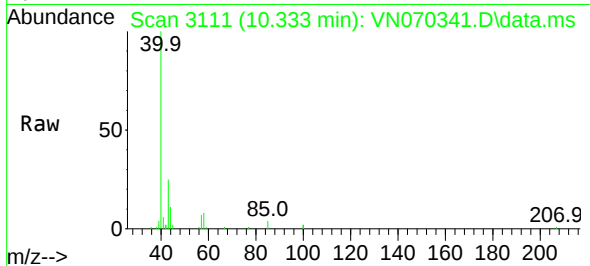




#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

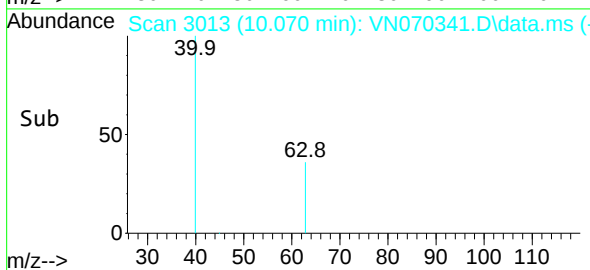
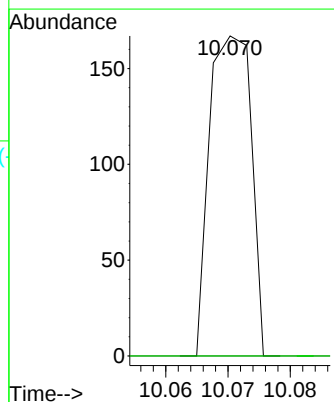
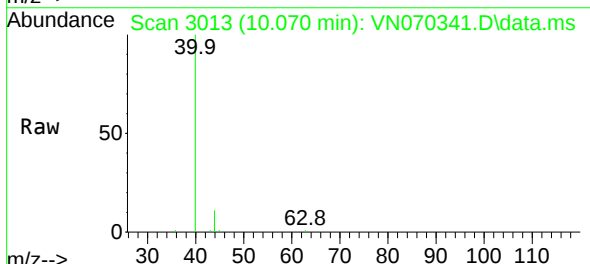
Instrument :
MSVOA_N
ClientSampleId :

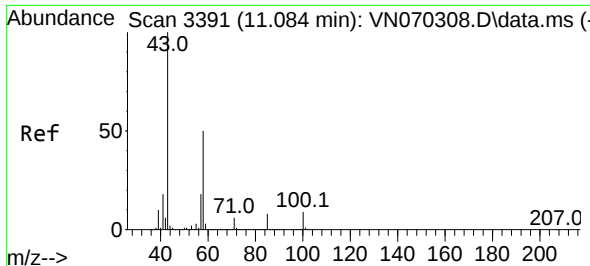
Tgt Ion: 43 Resp: 11079
Ion Ratio Lower Upper
43 100
58 31.8 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.525 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.029 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

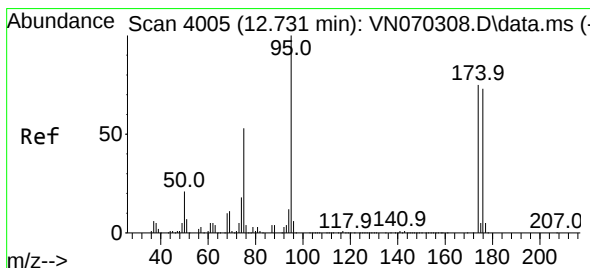
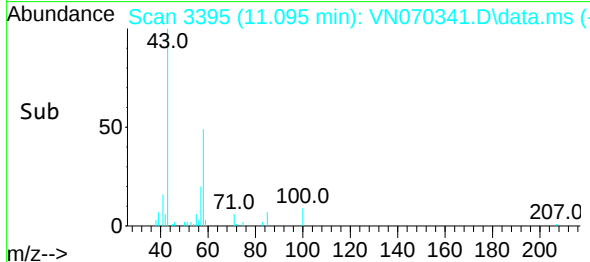
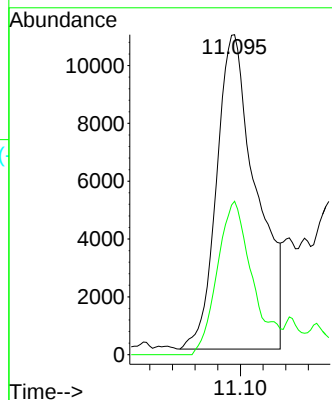
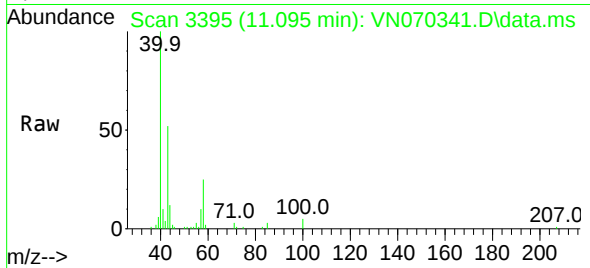




#59
2-Hexanone
Concen: 1.417 ug/l
RT: 11.095 min Scan# 3391
Delta R.T. 0.011 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

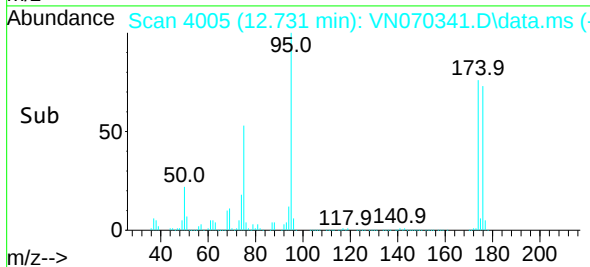
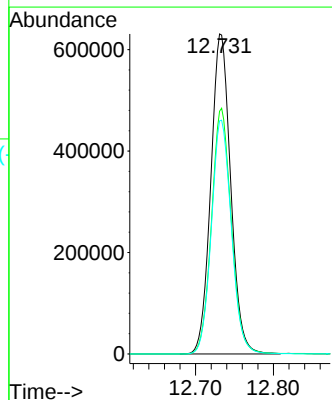
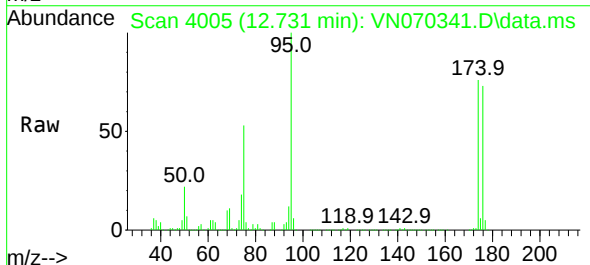
Instrument :
MSVOA_N
ClientSampleId :

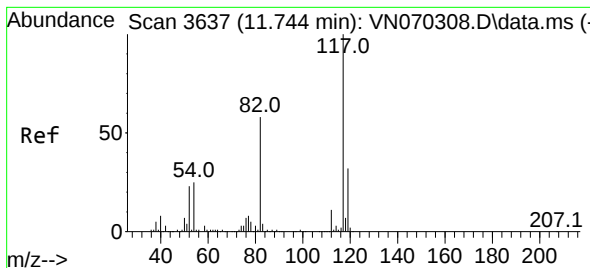
Tgt Ion: 43 Resp: 26570
Ion Ratio Lower Upper
43 100
58 43.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 62.572 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion: 95 Resp: 1117286
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 30

Delta R.T. 0.003 min

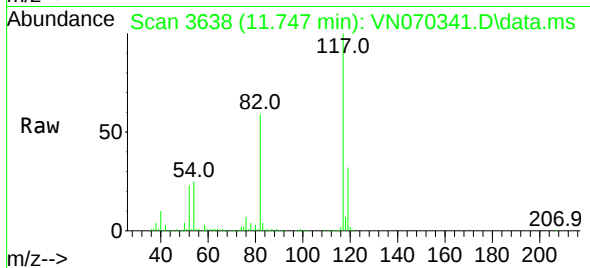
Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

ClientSampleId :



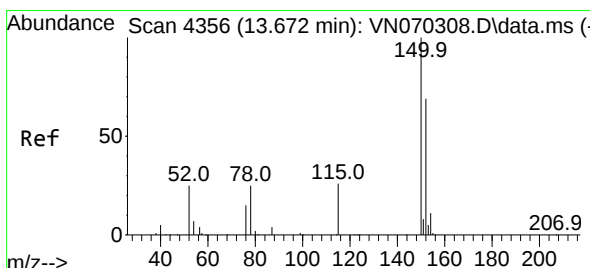
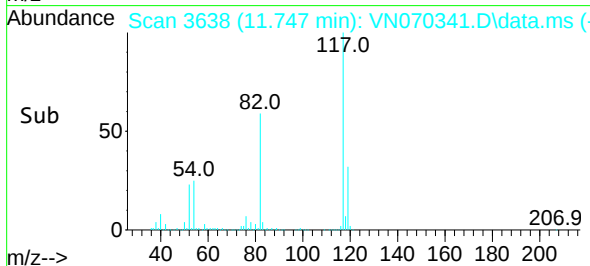
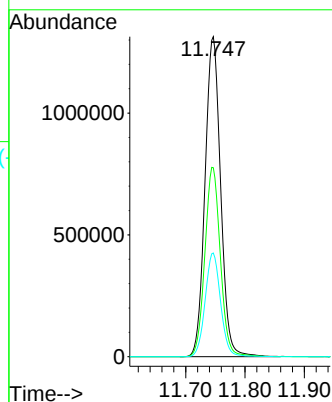
Tgt Ion:117 Resp: 2394333

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 32.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

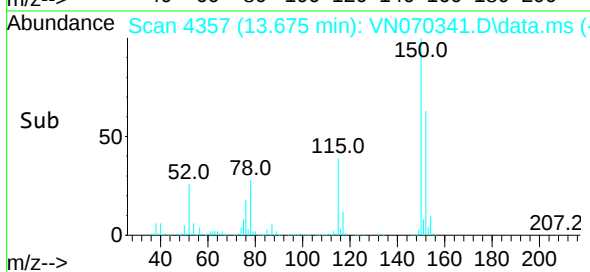
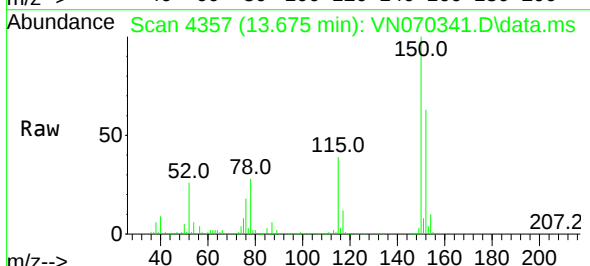
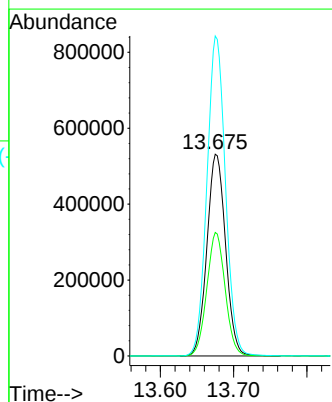
Tgt Ion:152 Resp: 940285

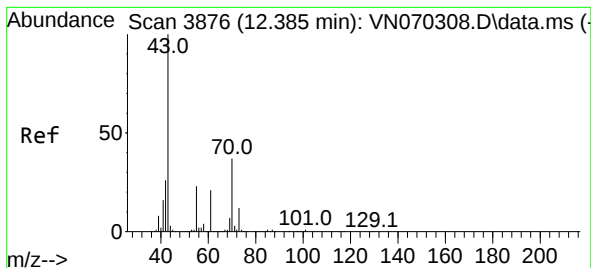
Ion Ratio Lower Upper

152 100

115 60.1 27.5 82.5

150 157.1 0.0 344.4





#74

N-ethyl acetate

Concen: 0.375 ug/l

RT: 12.396 min Scan# 3880

Delta R.T. 0.011 min

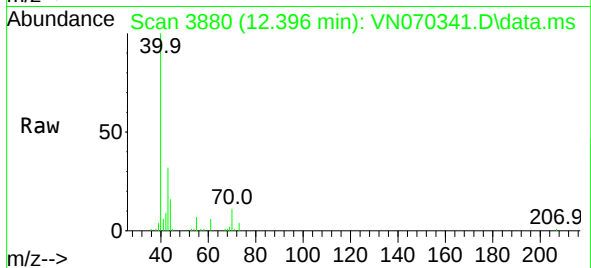
Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

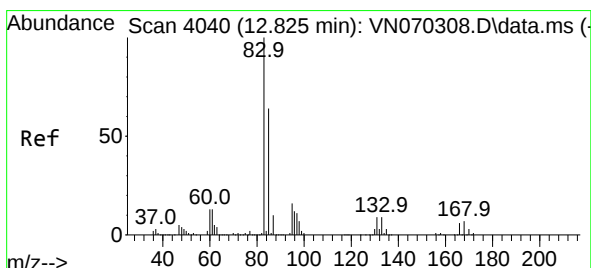
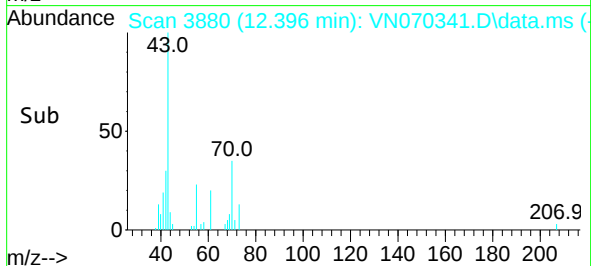
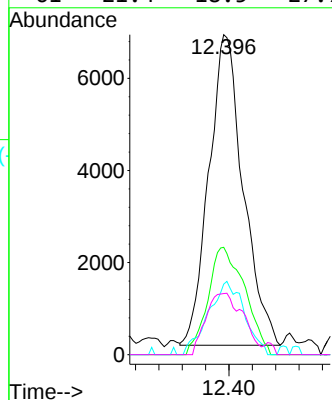
MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 13751

Ion	Ratio	Lower	Upper
43	100		
70	37.1	33.4	50.0
55	24.7	19.3	28.9
61	21.4	18.5	27.7



#75

1,1,2,2-Tetrachloroethane

Concen: 0.545 ug/l

RT: 12.827 min Scan# 4041

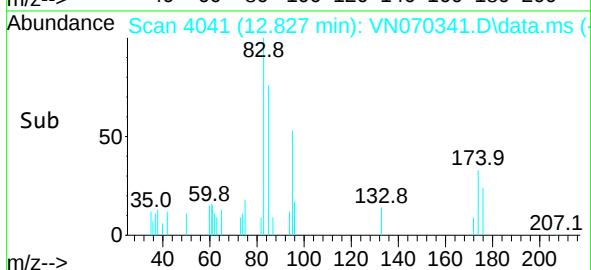
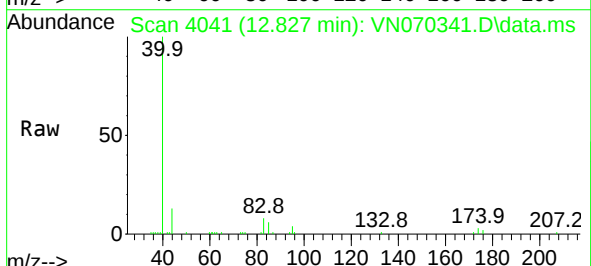
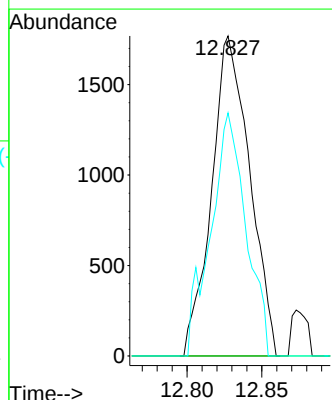
Delta R.T. 0.002 min

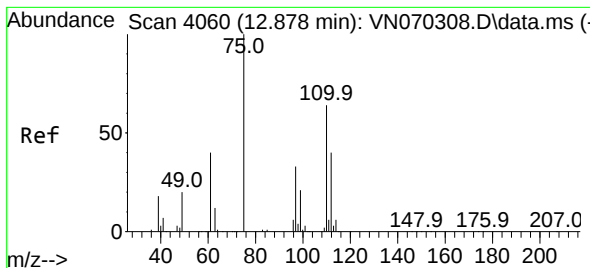
Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Tgt Ion: 83 Resp: 3140

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5
85	70.4	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 22.698 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.147 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

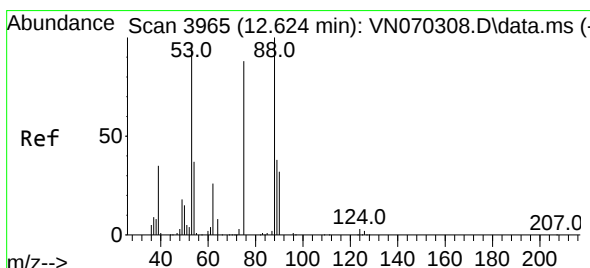
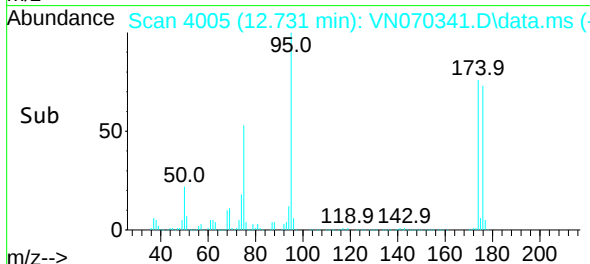
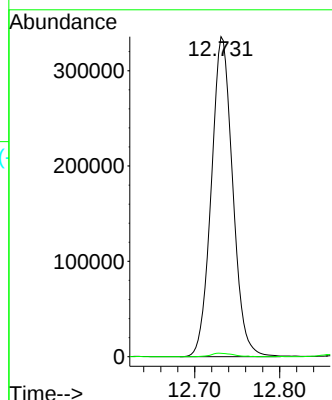
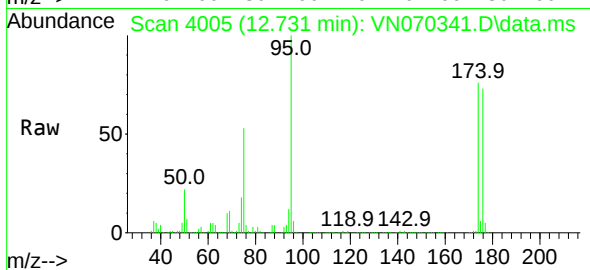
ClientSampleId :

Tgt Ion: 75 Resp: 587893

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.388 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.107 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

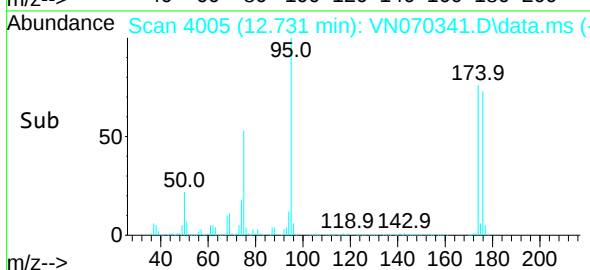
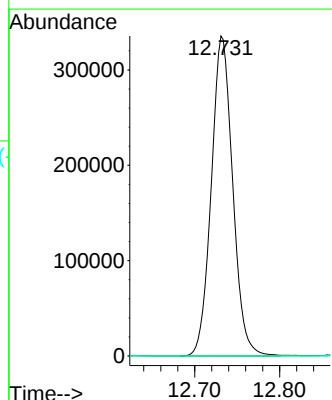
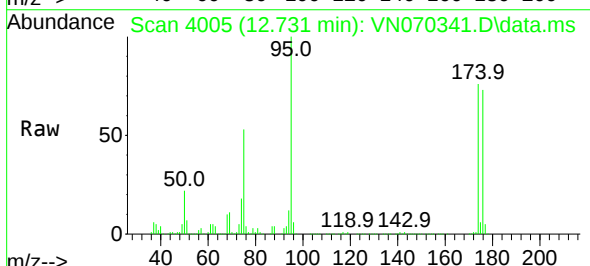
Tgt Ion: 75 Resp: 587893

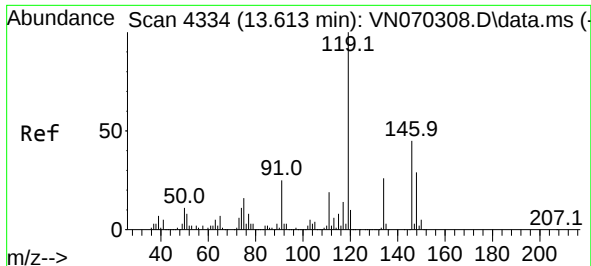
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 38.2 57.4#





#87

1,3-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.621 min Scan# 41

Delta R.T. 0.008 min

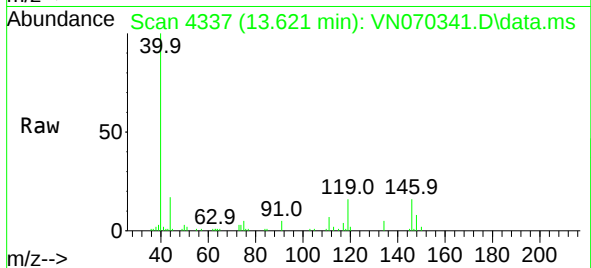
Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

Instrument :

MSVOA_N

ClientSampleId :



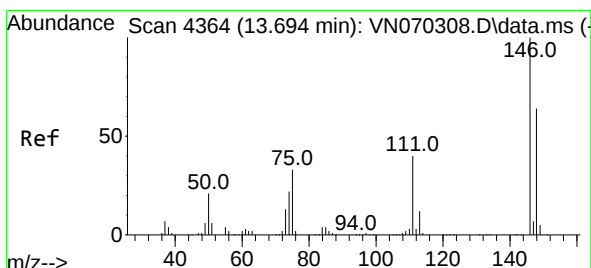
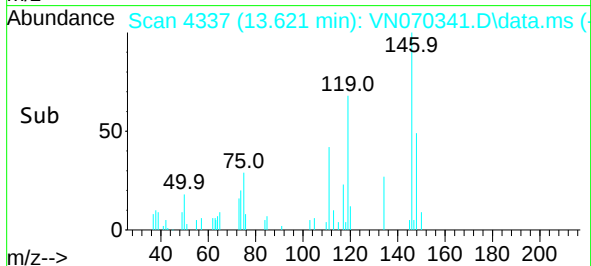
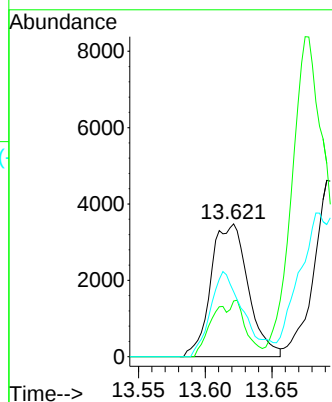
Tgt Ion:146 Resp: 6739

Ion Ratio Lower Upper

146 100

111 18.7 18.6 55.6

148 58.8 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.621 min Scan# 4337

Delta R.T. -0.073 min

Lab File: VN070341.D

Acq: 29 Dec 2021 11:13

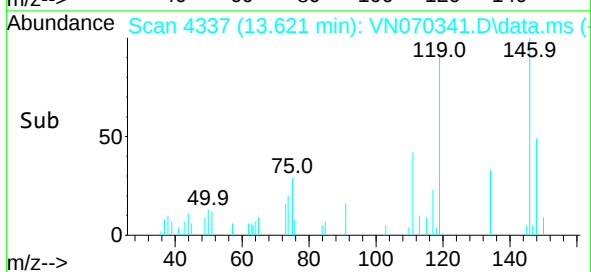
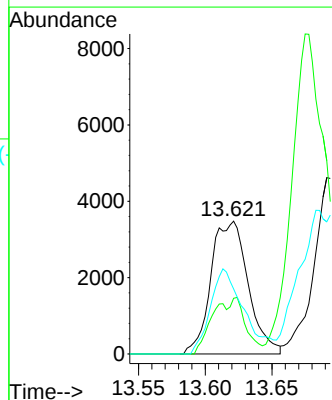
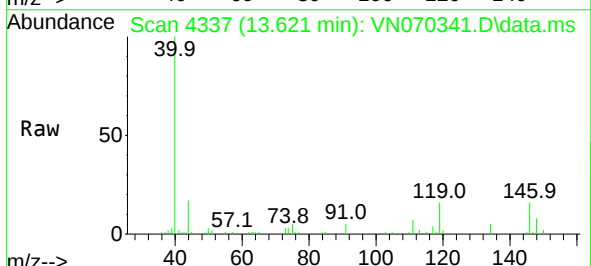
Tgt Ion:146 Resp: 6739

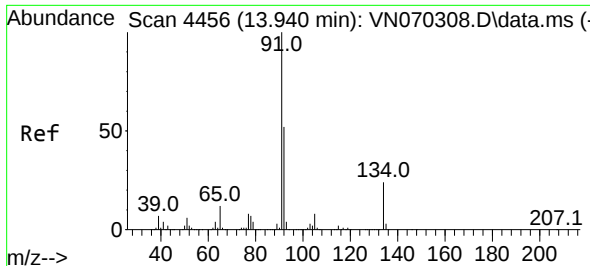
Ion Ratio Lower Upper

146 100

111 18.7 18.3 54.8

148 58.8 31.8 95.4

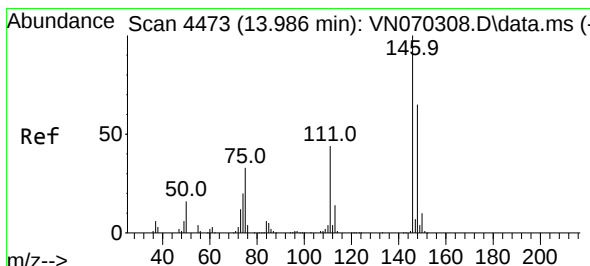
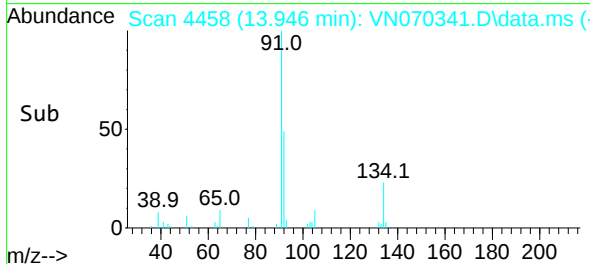
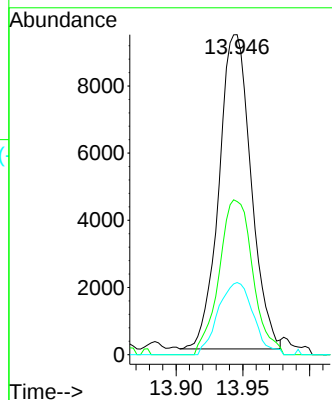
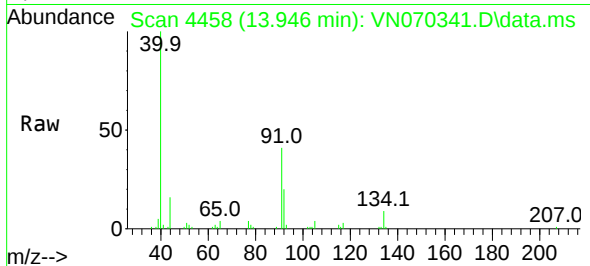




#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.006 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

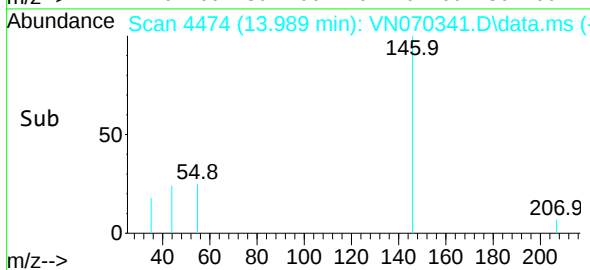
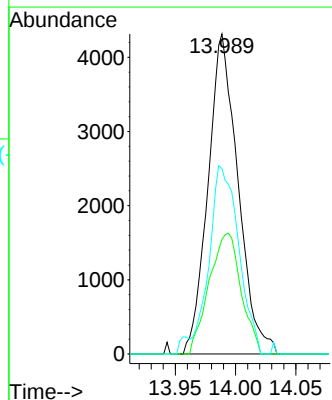
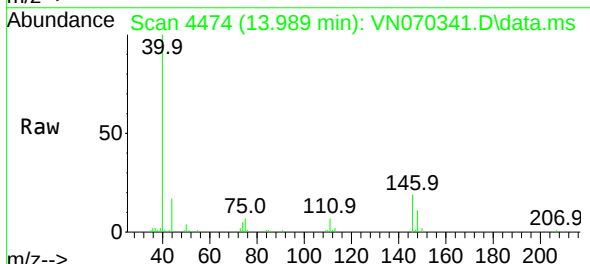
Instrument :
MSVOA_N
ClientSampleId :

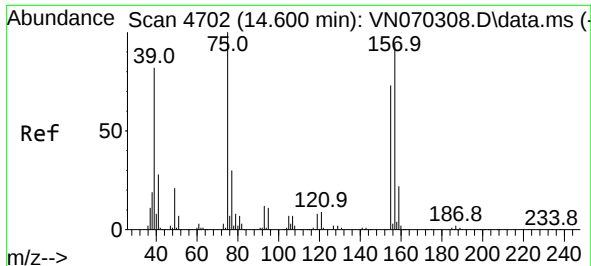
Tgt Ion: 91 Resp: 15670
Ion Ratio Lower Upper
91 100
92 51.7 25.4 76.0
134 25.1 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion:146 Resp: 7460
Ion Ratio Lower Upper
146 100
111 40.1 19.1 57.3
148 59.7 32.1 96.3

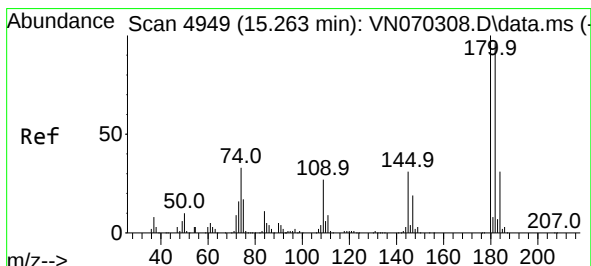
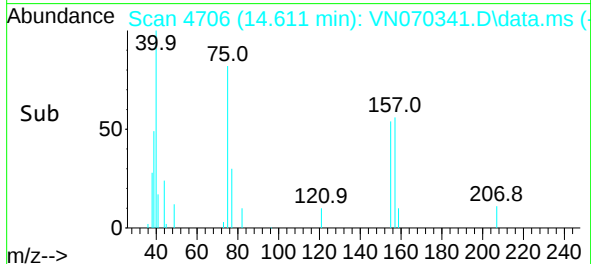
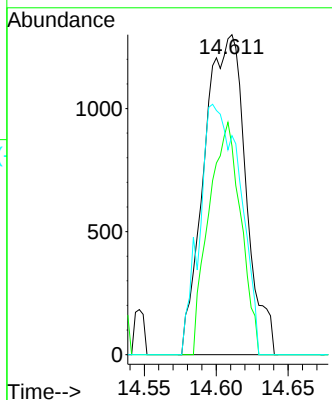
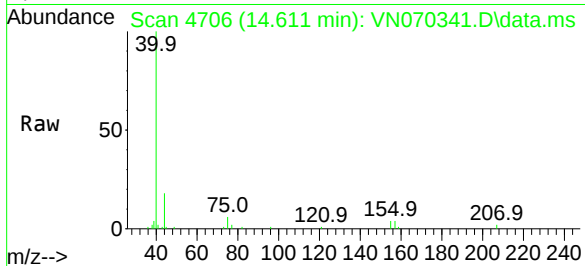




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.515 ug/l
 RT: 14.611 min Scan# 41
 Delta R.T. 0.011 min
 Lab File: VN070341.D
 Acq: 29 Dec 2021 11:13

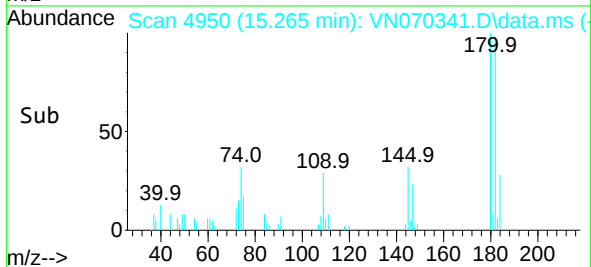
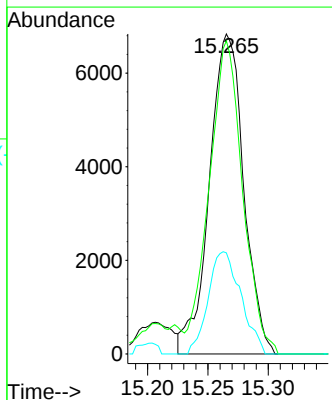
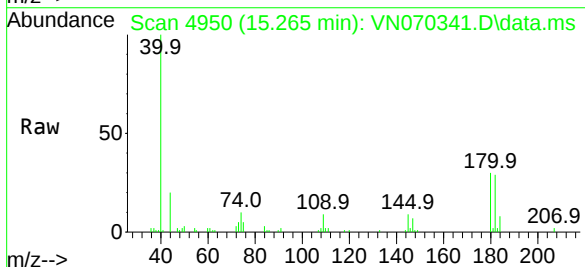
Instrument :
 MSVOA_N
 ClientSampleId :

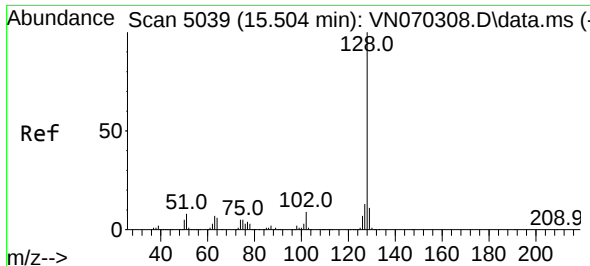
Tgt Ion: 75 Resp: 2605
 Ion Ratio Lower Upper
 75 100
 155 56.1 46.9 140.7
 157 76.4 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 0.874 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.002 min
 Lab File: VN070341.D
 Acq: 29 Dec 2021 11:13

Tgt Ion: 180 Resp: 13548
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.3 144.9
 145 30.4 14.5 43.5

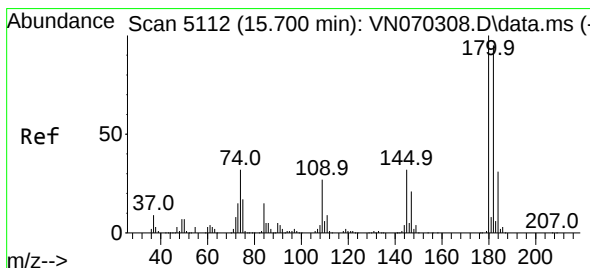
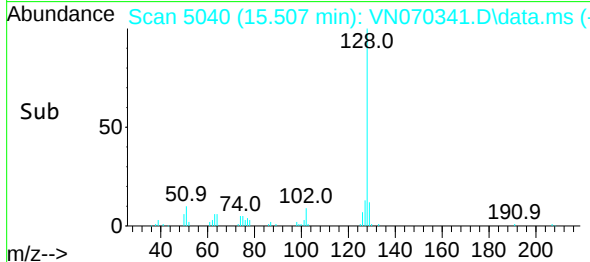
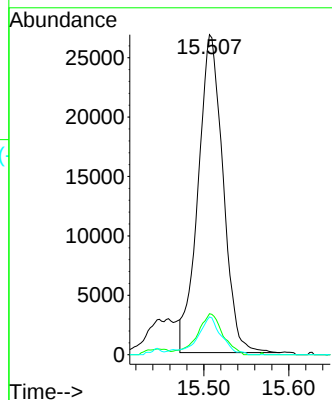
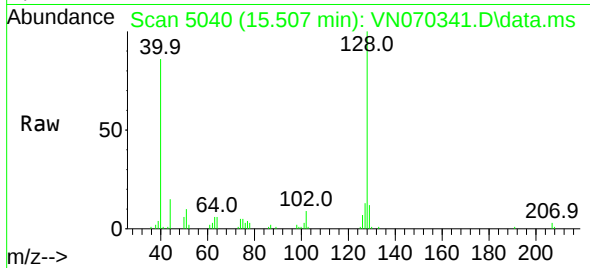




#95
Naphthalene
Concen: 3.023 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 54477
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.907 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070341.D
Acq: 29 Dec 2021 11:13

Tgt Ion:180 Resp: 16291
Ion Ratio Lower Upper
180 100
182 114.8 47.4 142.2
145 33.6 15.0 45.1

