

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071402.D
 Acq On : 19 Mar 2022 16:55
 Operator : JC\MD
 Sample : N1958-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-9-8-9

Quant Time: Mar 21 05:53:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

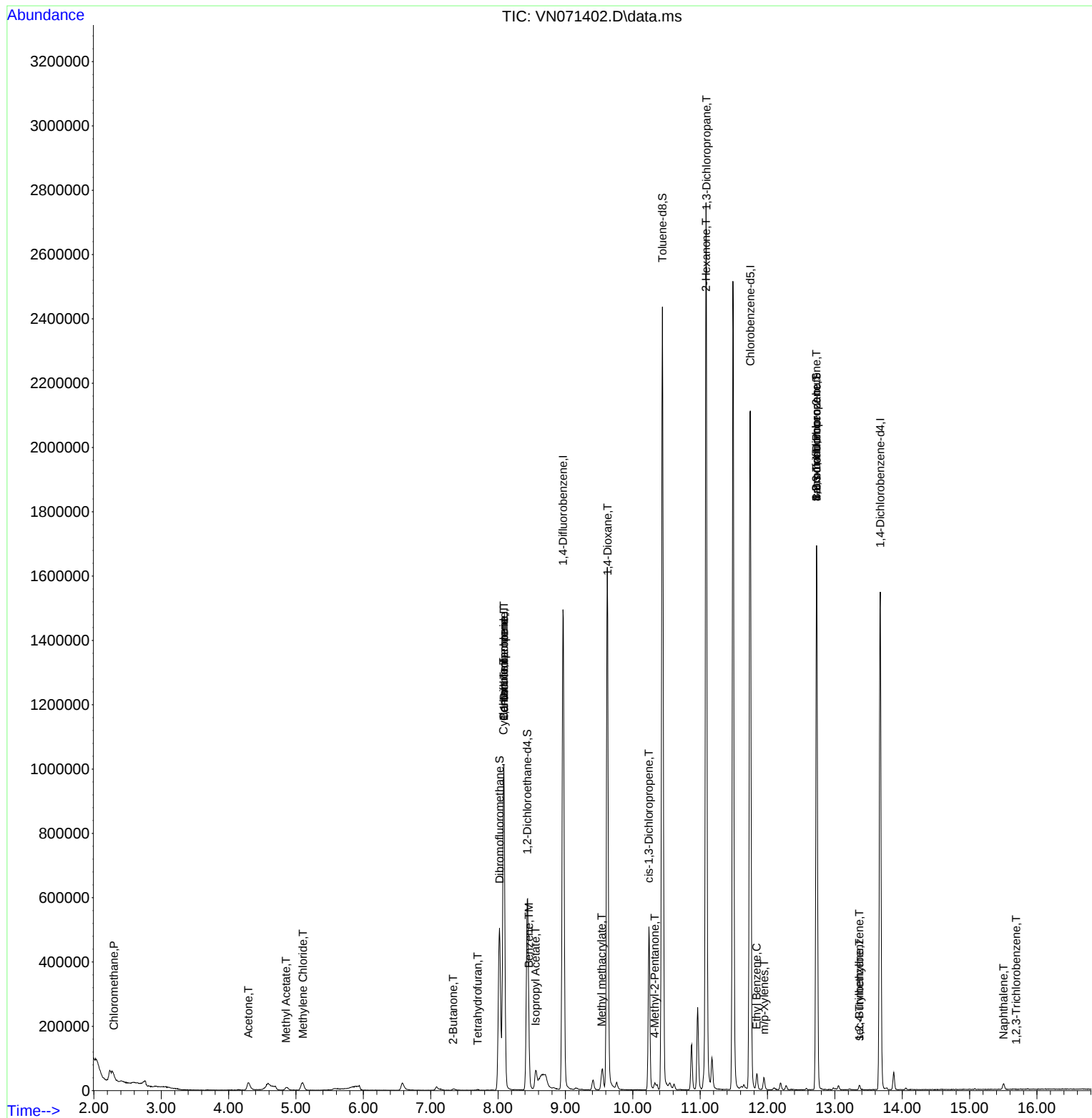
Internal Standards						
1) Pentafluorobenzene	8.086	168	768883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1308459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1253494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	427922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	498035	47.262	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.520%		
35) Dibromofluoromethane	8.022	113	377617	45.734	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.460%		
50) Toluene-d8	10.439	98	1652027	49.693	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.380%		
62) 4-Bromofluorobenzene	12.727	95	579317	51.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.920%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3804	0.302	ug/l	95
5) Bromomethane	2.846	94	438	Below Cal	#	18
16) Acetone	4.293	43	42553	8.299	ug/l	100
18) Methyl Acetate	4.851	43	20064	1.913	ug/l #	71
20) Methylene Chloride	5.104	84	17884	2.276	ug/l #	96
25) 2-Butanone	7.333	43	8312	1.006	ug/l	92
29) Tetrahydrofuran	7.698	42	2042	0.357	ug/l #	58
31) Cyclohexane	8.080	56	15973	0.949	ug/l #	3
36) 1,1-Dichloropropene	8.086	75	60904	4.604	ug/l #	48
38) Carbon Tetrachloride	8.086	117	77133	6.028	ug/l #	16
40) Benzene	8.457	78	18561	0.466	ug/l #	87
43) Isopropyl Acetate	8.557	43	75262	2.764	ug/l #	82
48) Methyl methacrylate	9.539	41	19207	1.522	ug/l #	20
49) 1,4-Dioxane	9.627	88	355	1.619	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	10860	0.643	ug/l #	77
54) cis-1,3-Dichloropropene	10.239	75	89849	5.605	ug/l #	64
57) 1,3-Dichloropropane	11.092	76	28129	1.593	ug/l #	43
59) 2-Hexanone	11.086	43	469004	40.681	ug/l #	49
67) Ethyl Benzene	11.839	91	34386	0.722	ug/l #	85
68) m/p-Xylenes	11.951	106	10880	0.625	ug/l	95
71) Bromoform	12.727	173	3775	0.504	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.721	83	235	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	299628	27.627	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	299628	75.691	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.363	105	7739	0.252	ug/l	93
85) sec-Butylbenzene	13.363	105	7739	0.203	ug/l #	56
95) Naphthalene	15.504	128	17441	5.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	107	2.747	ug/l #	12

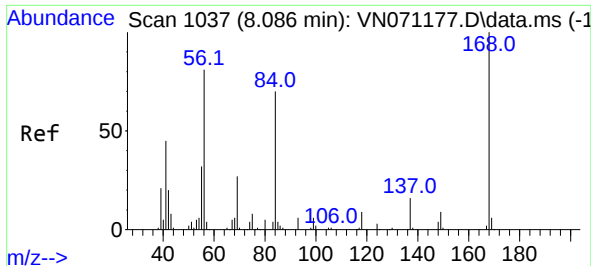
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
Data File : VN071402.D
Acq On : 19 Mar 2022 16:55
Operator : JC\MD
Sample : N1958-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

Quant Time: Mar 21 05:53:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

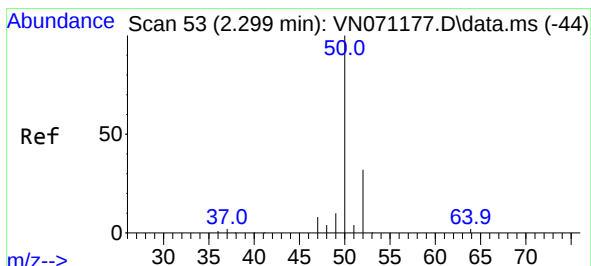
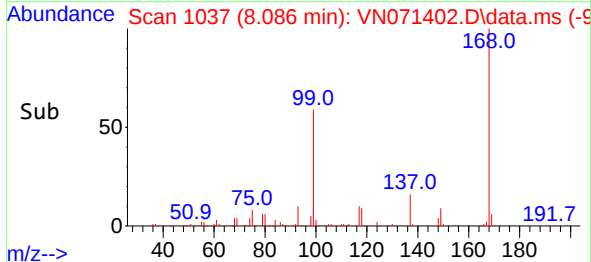
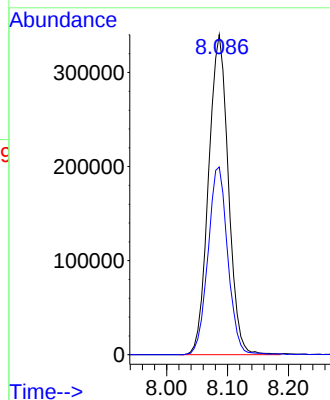
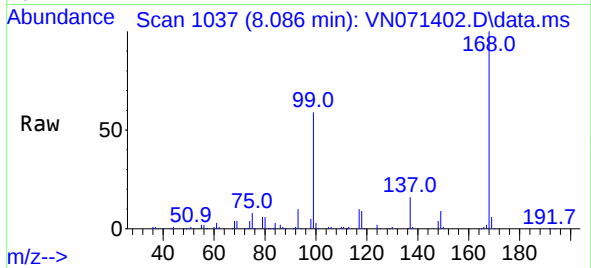




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

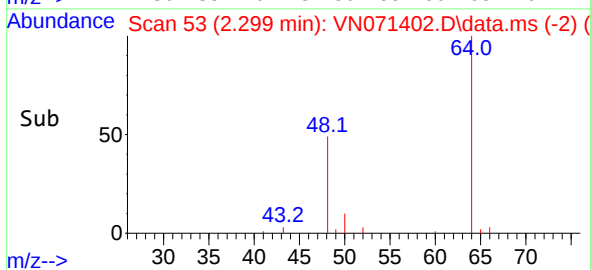
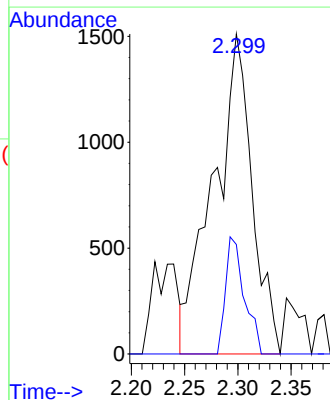
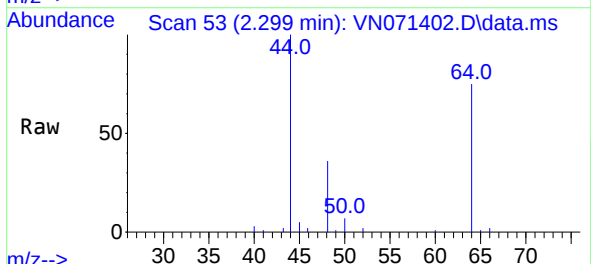
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

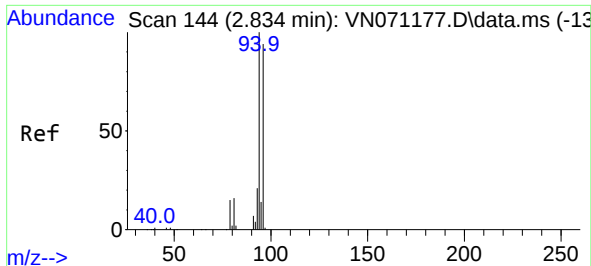
Tgt Ion:168 Resp: 768883
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.302 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 50 Resp: 3804
Ion Ratio Lower Upper
50 100
52 34.2 25.4 38.0

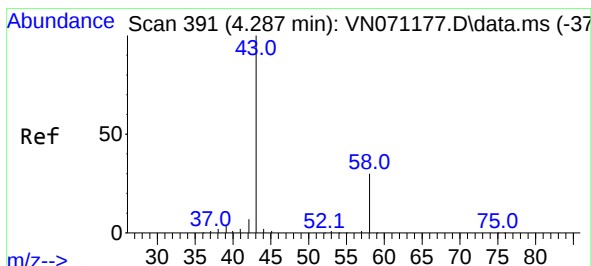
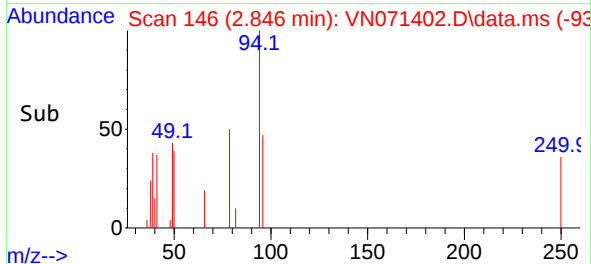
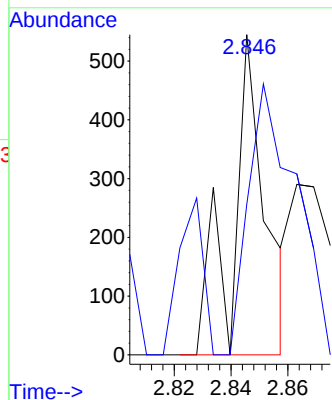
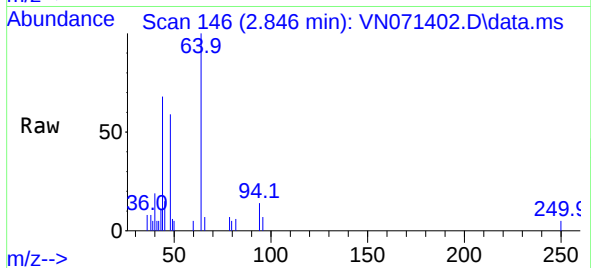




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

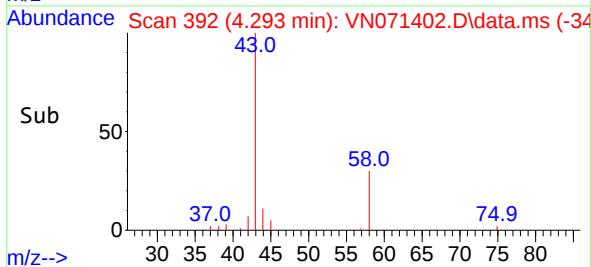
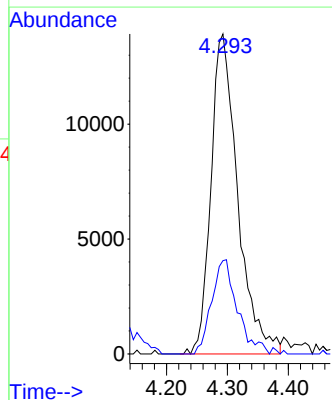
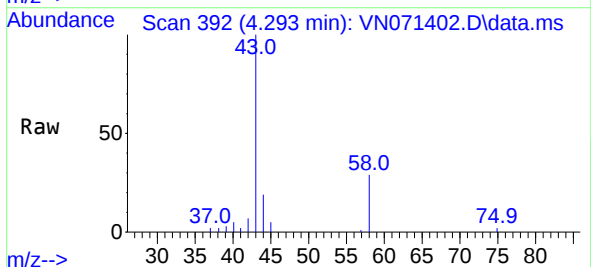
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

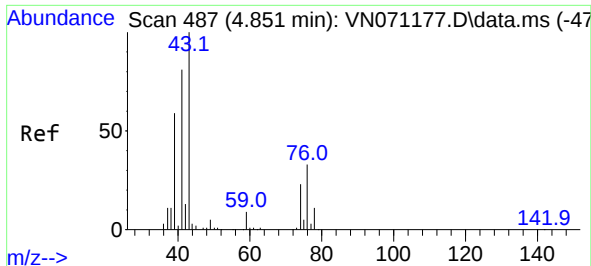
Tgt Ion: 94 Resp: 438
Ion Ratio Lower Upper
94 100
96 13.6 73.8 110.8#



#16
Acetone
Concen: 8.299 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 43 Resp: 42553
Ion Ratio Lower Upper
43 100
58 29.2 23.1 34.7

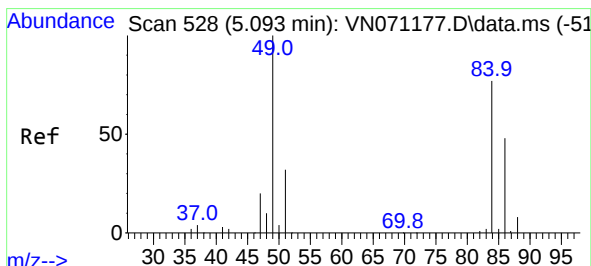
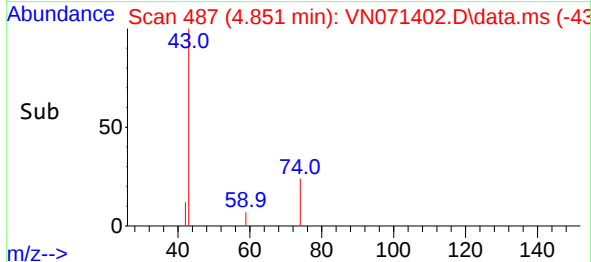
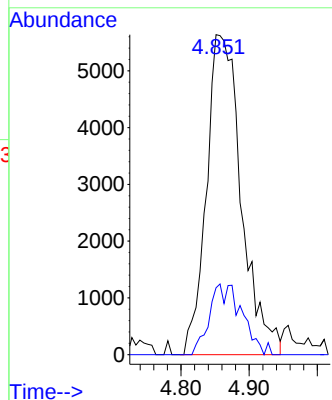
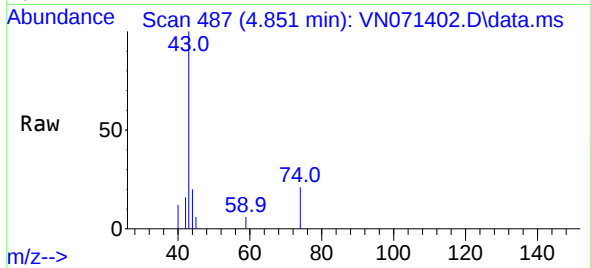




#18
Methyl Acetate
Concen: 1.913 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

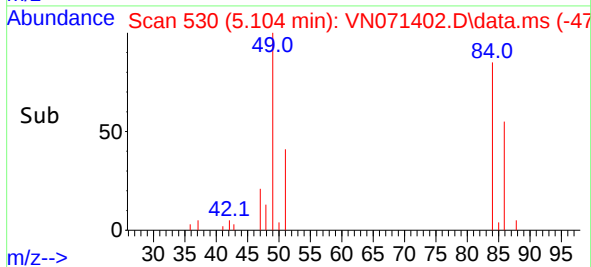
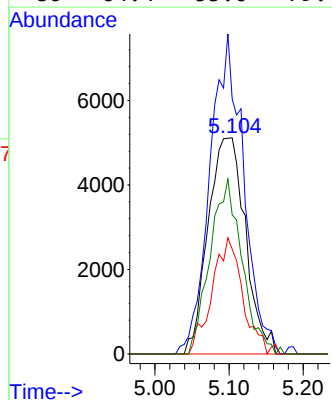
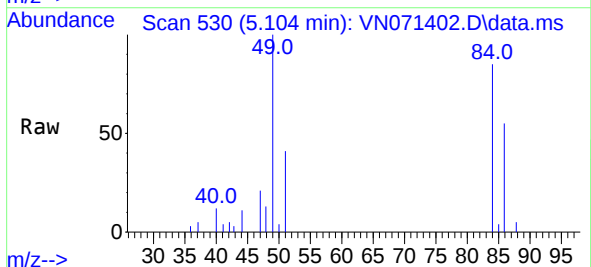
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

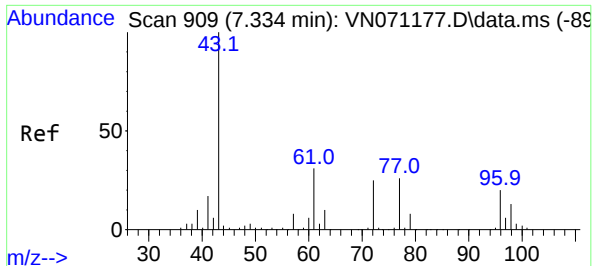
Tgt Ion: 43 Resp: 20064
Ion Ratio Lower Upper
43 100
74 9.8 19.4 29.2#



#20
Methylene Chloride
Concen: 2.276 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 84 Resp: 17884
Ion Ratio Lower Upper
84 100
49 118.0 93.5 140.3
51 48.5 29.4 44.2#
86 64.4 53.0 79.4





#25

2-Butanone

Concen: 1.006 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.000 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

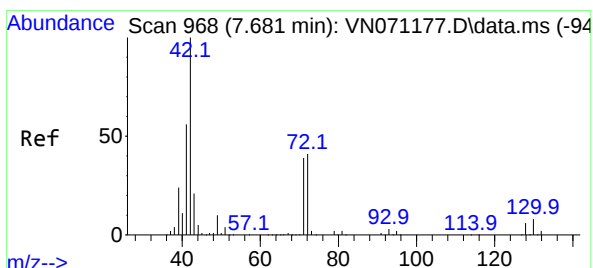
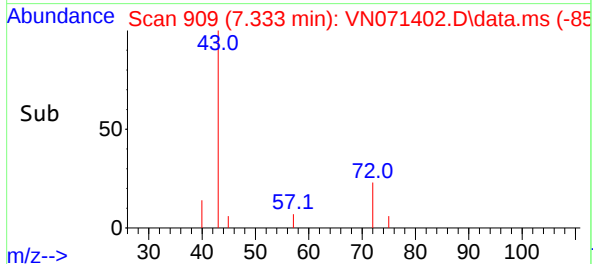
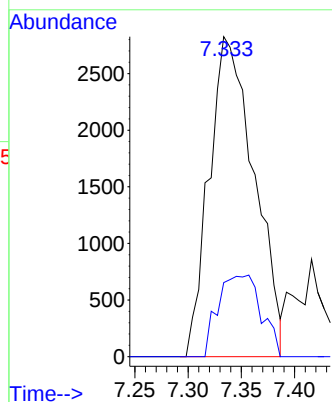
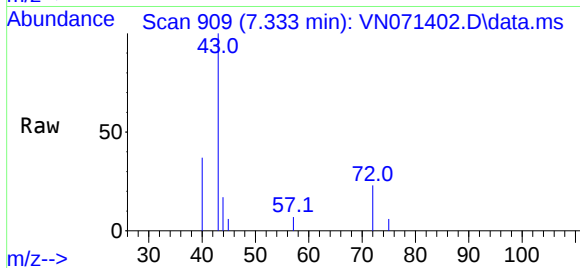
C-9-8-9

Tgt Ion: 43 Resp: 8312

Ion Ratio Lower Upper

43 100

72 23.1 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.018 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

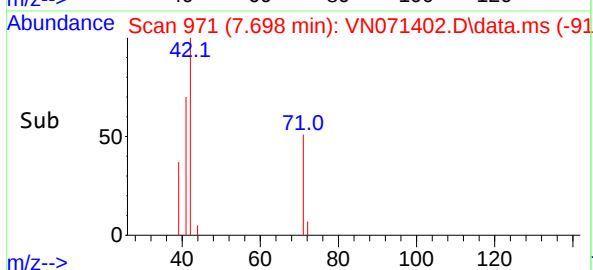
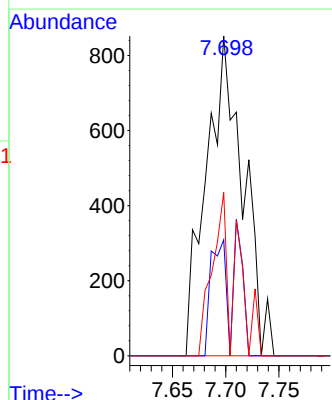
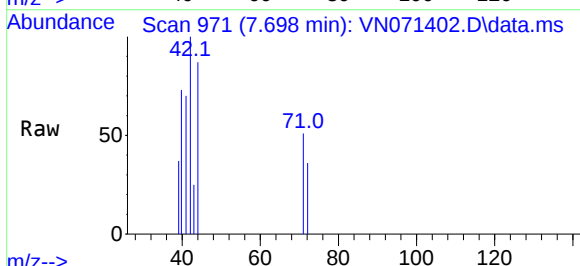
Tgt Ion: 42 Resp: 2042

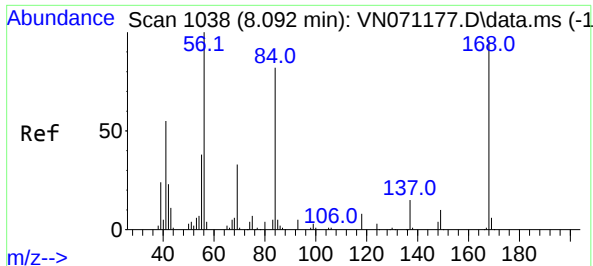
Ion Ratio Lower Upper

42 100

72 14.7 36.3 54.5#

71 19.5 34.7 52.1#





#31

Cyclohexane

Concen: 0.949 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

C-9-8-9

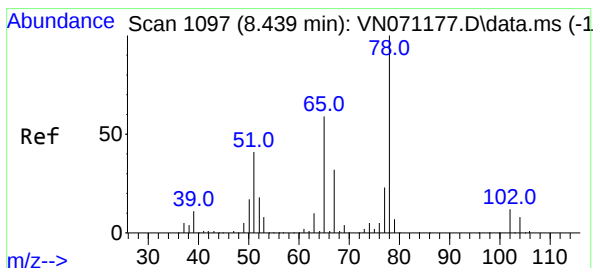
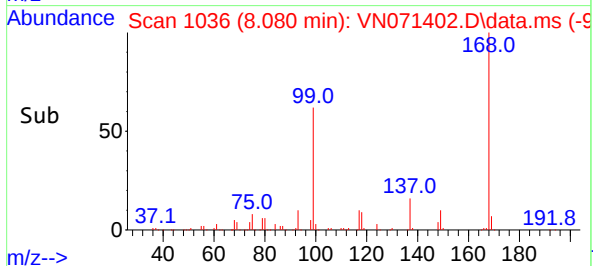
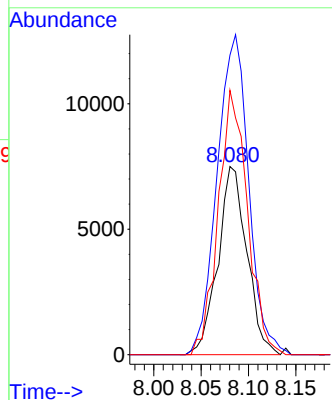
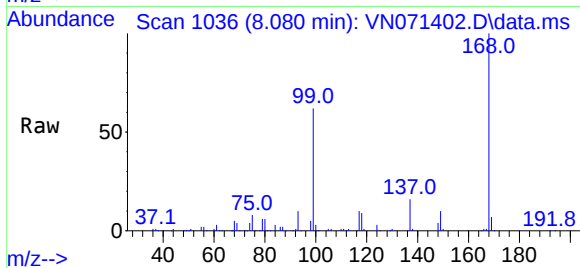
Tgt Ion: 56 Resp: 15973

Ion Ratio Lower Upper

56 100

69 159.2 27.1 40.7#

84 140.5 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.262 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071402.D

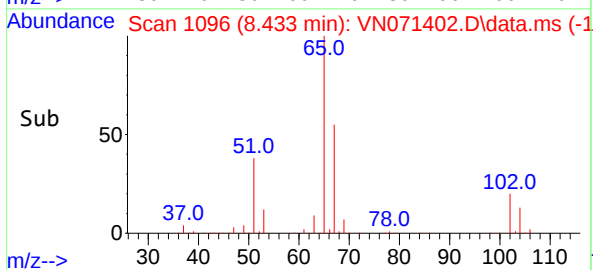
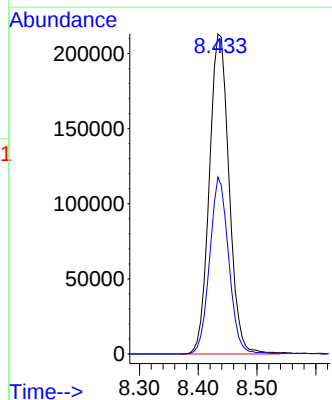
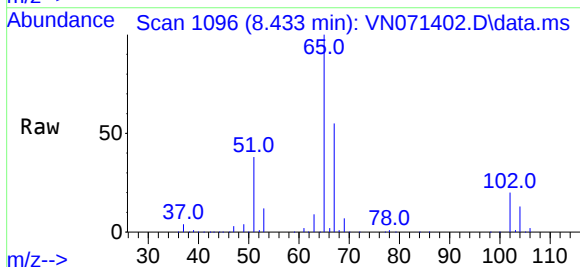
Acq: 19 Mar 2022 16:55

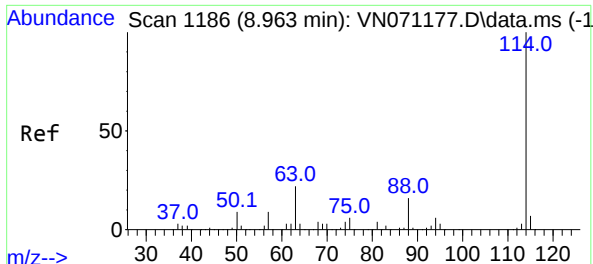
Tgt Ion: 65 Resp: 498035

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

C-9-8-9

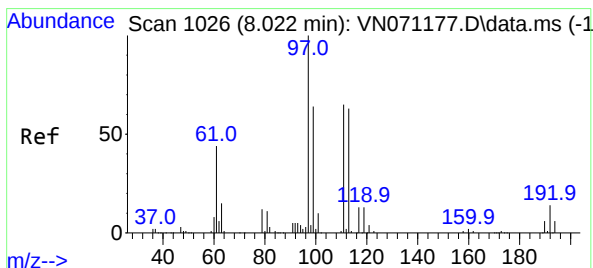
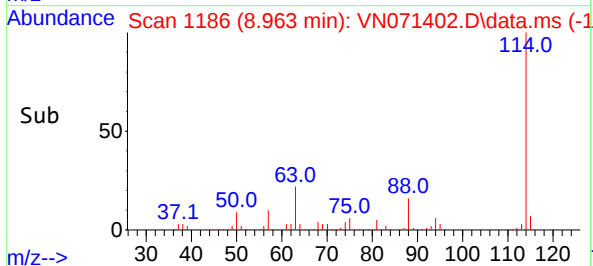
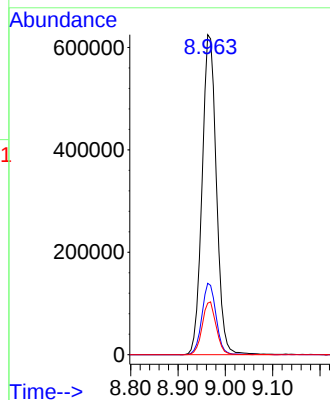
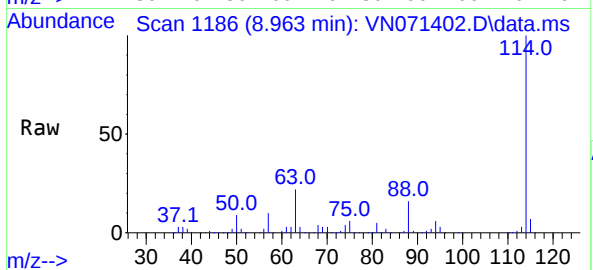
Tgt Ion:114 Resp: 1308459

Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.734 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

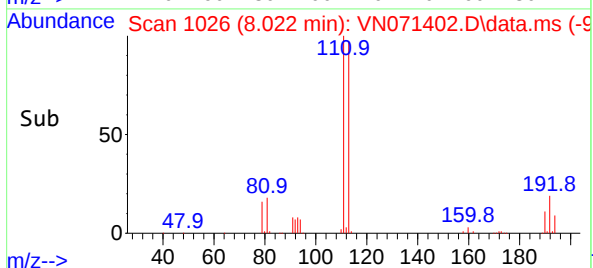
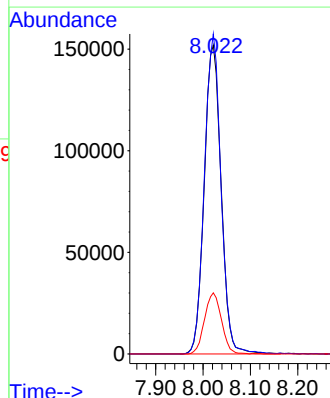
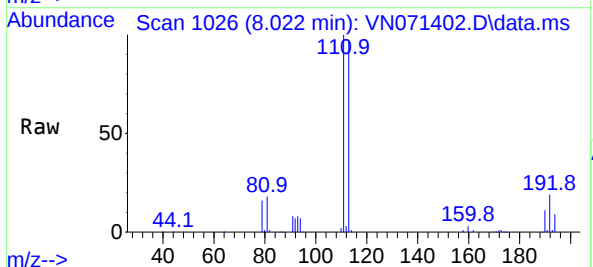
Tgt Ion:113 Resp: 377617

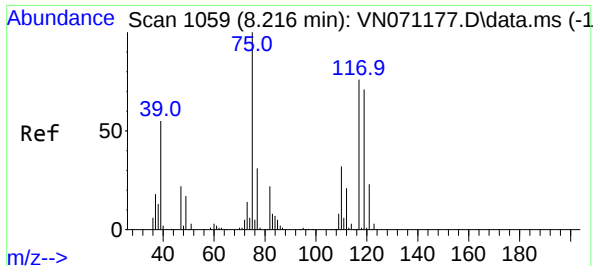
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

C-9-8-9

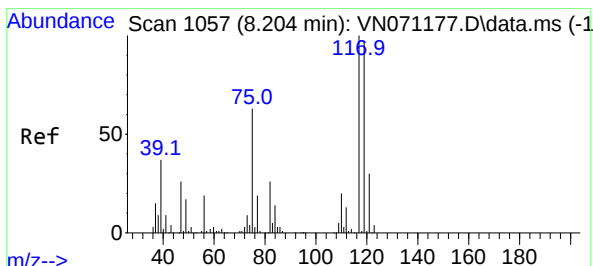
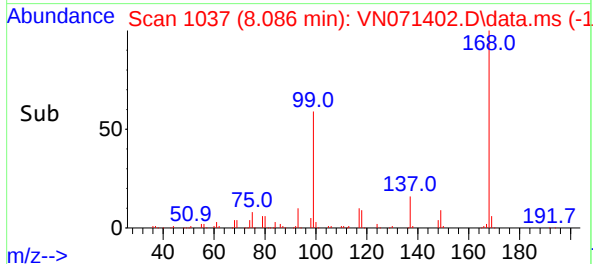
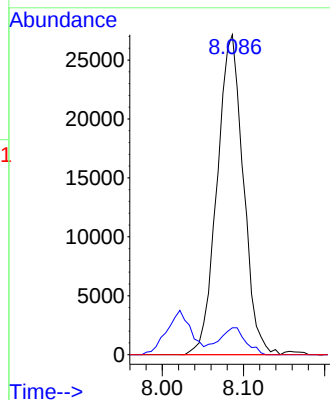
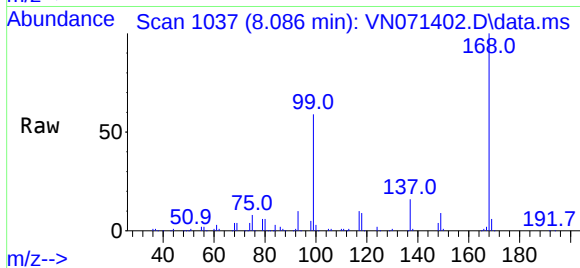
Tgt Ion: 75 Resp: 60904

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

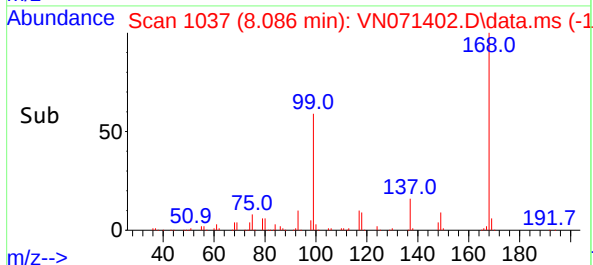
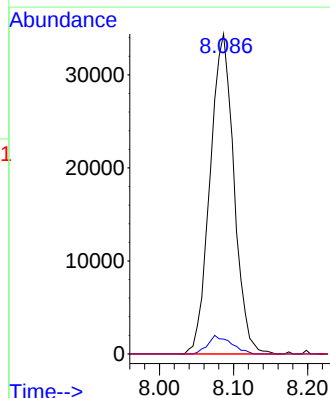
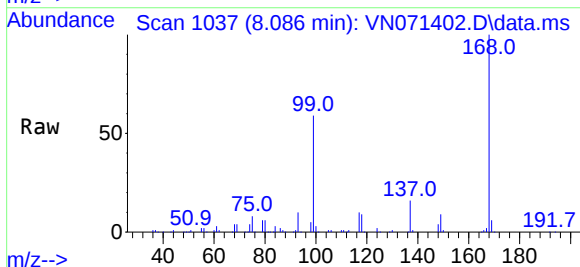
Tgt Ion: 117 Resp: 77133

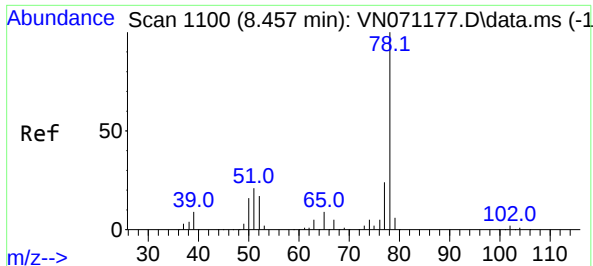
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

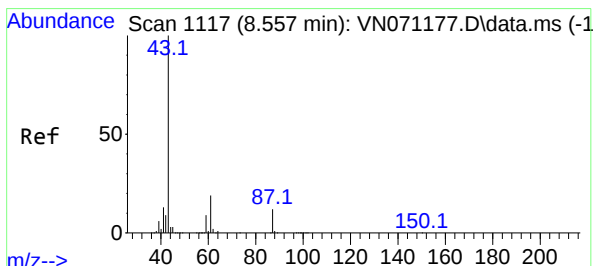
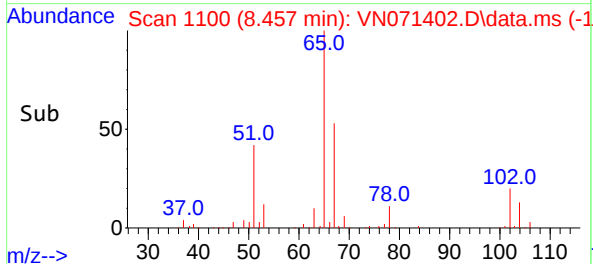
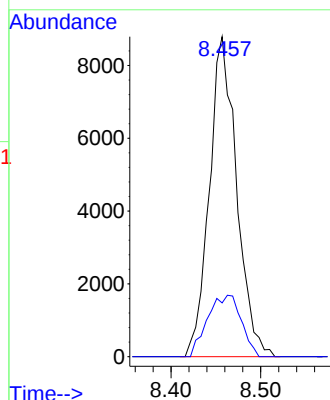
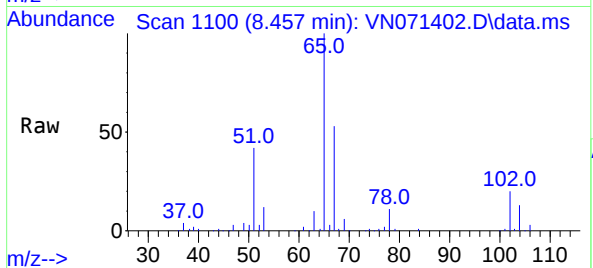




#40
Benzene
Concen: 0.466 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

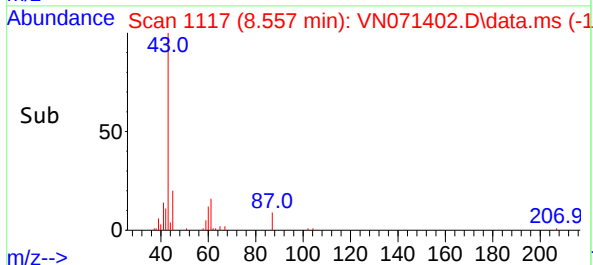
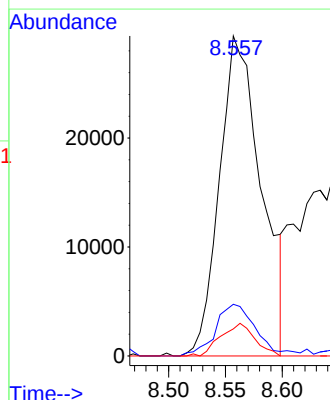
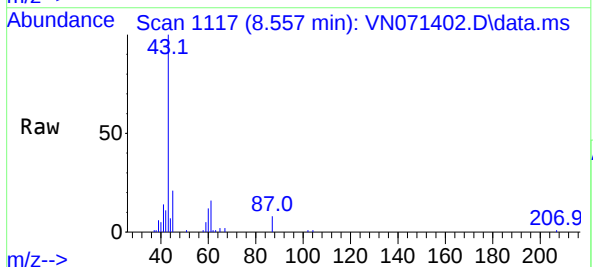
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

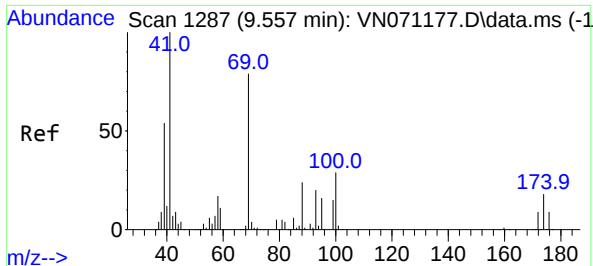
Tgt Ion: 78 Resp: 18561
Ion Ratio Lower Upper
78 100
77 16.8 18.6 27.8#



#43
Isopropyl Acetate
Concen: 2.764 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 43 Resp: 75262
Ion Ratio Lower Upper
43 100
61 15.6 20.4 30.6#
87 8.3 11.2 16.8#





#48

Methyl methacrylate

Concen: 1.522 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

C-9-8-9

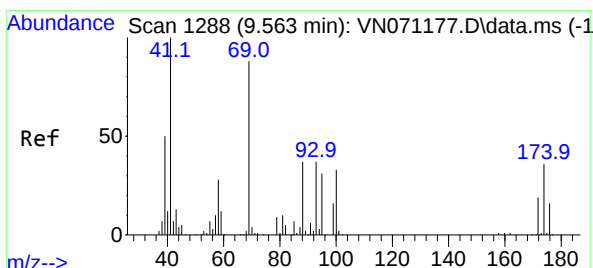
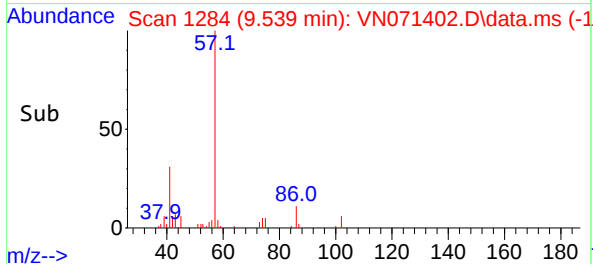
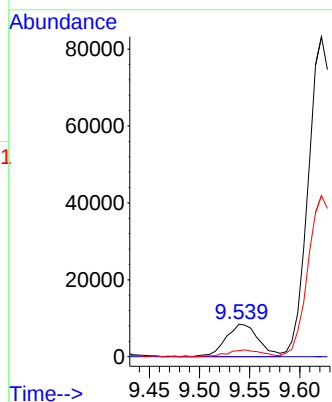
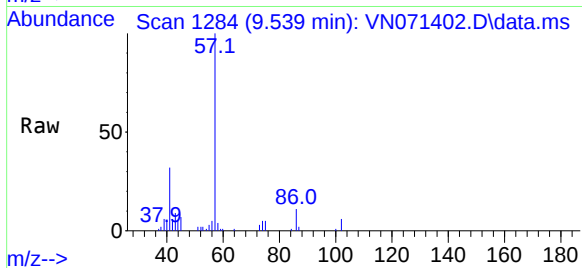
Tgt Ion: 41 Resp: 19207

Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 22.2 58.4 87.6#



#49

1,4-Dioxane

Concen: 1.619 ug/l

RT: 9.627 min Scan# 1299

Delta R.T. 0.064 min

Lab File: VN071402.D

Acq: 19 Mar 2022 16:55

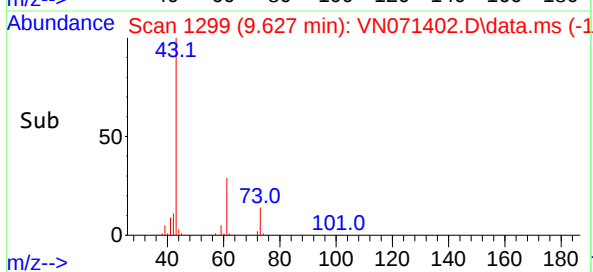
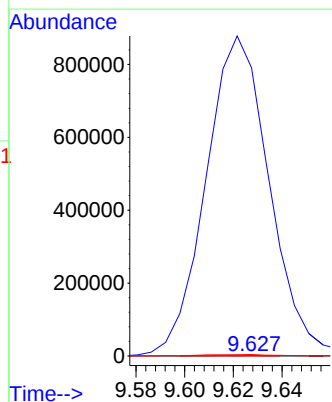
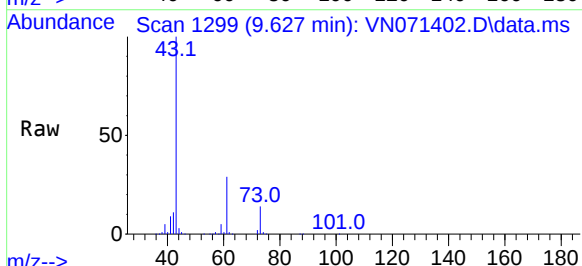
Tgt Ion: 88 Resp: 355

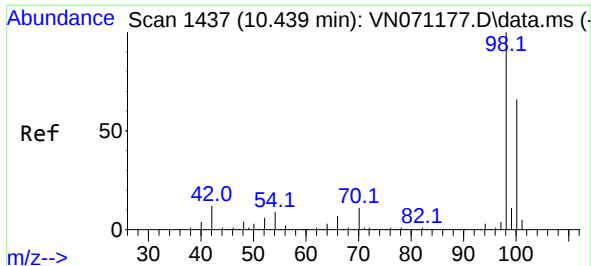
Ion Ratio Lower Upper

88 100

43 454856.9 23.4 35.2#

58 2258.6 50.6 75.8#

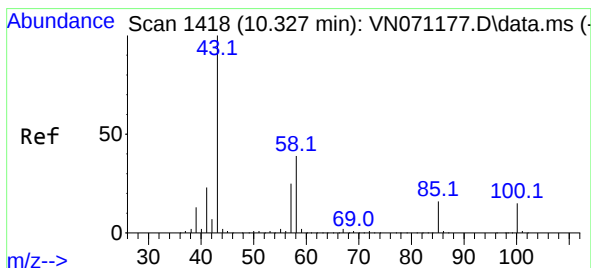
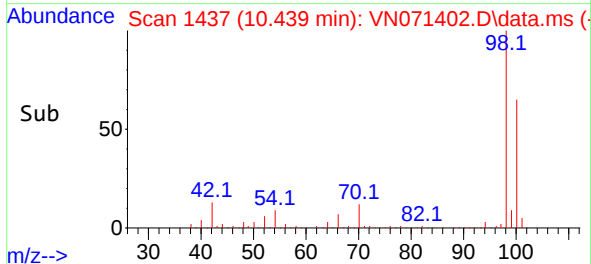
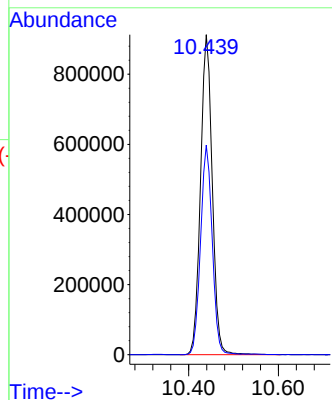
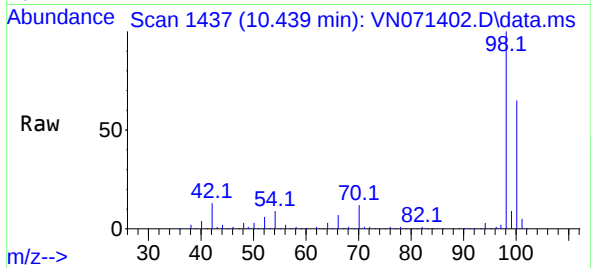




#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

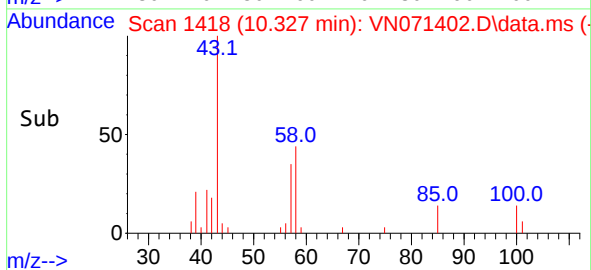
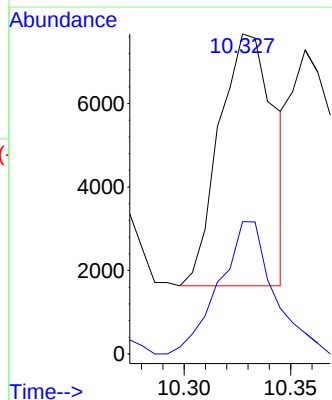
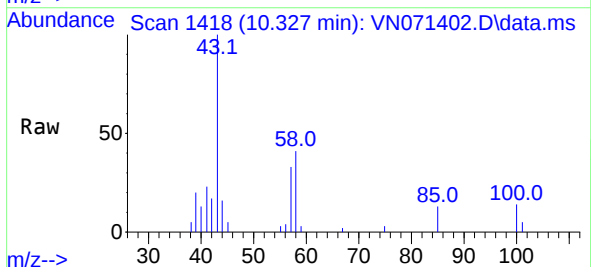
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

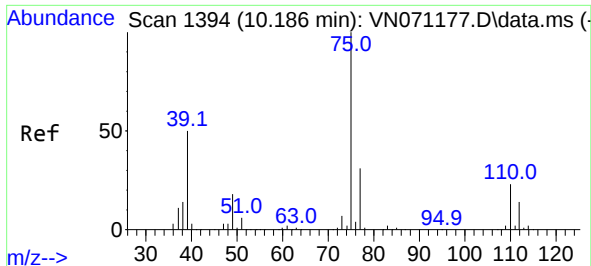
Tgt Ion: 98 Resp: 1652027
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 43 Resp: 10860
Ion Ratio Lower Upper
43 100
58 52.1 30.4 45.6#

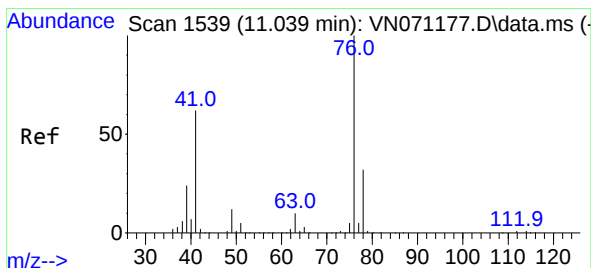
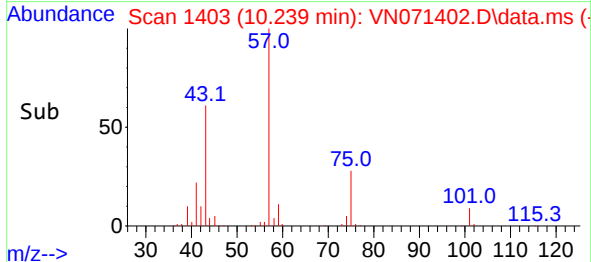
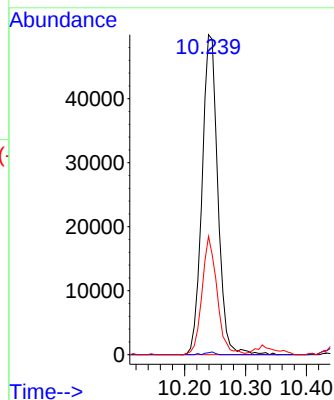
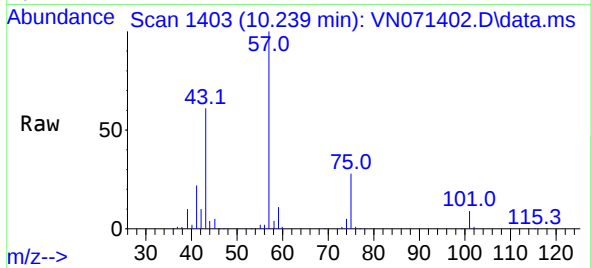




#54
cis-1,3-Dichloropropene
Concen: 5.605 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

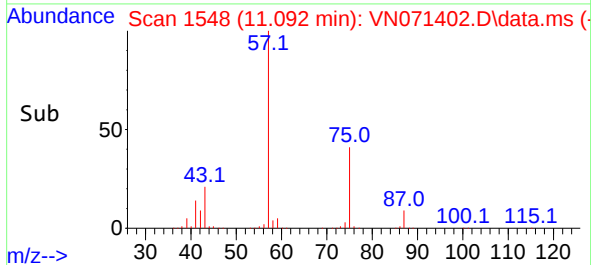
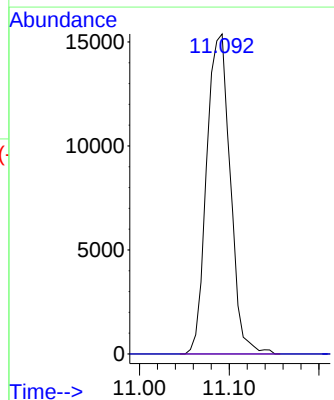
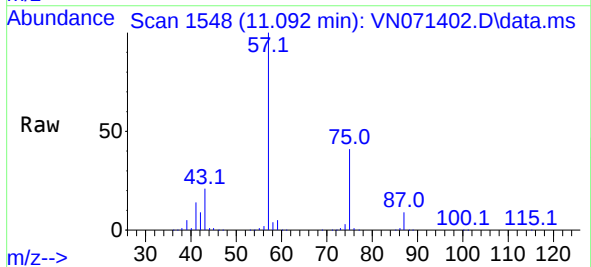
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

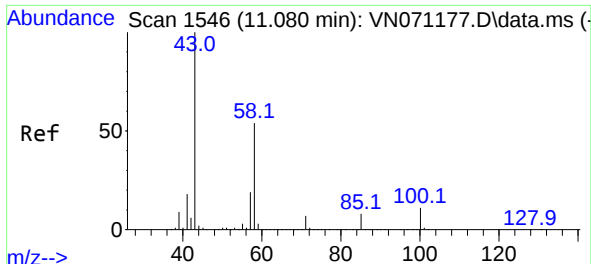
Tgt Ion: 75 Resp: 89849
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 37.0 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 1.593 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.053 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 76 Resp: 28129
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

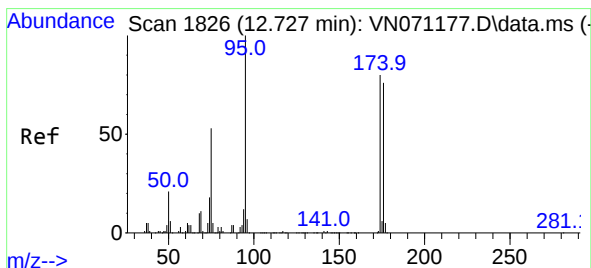
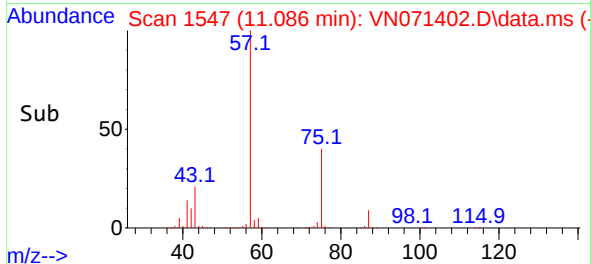
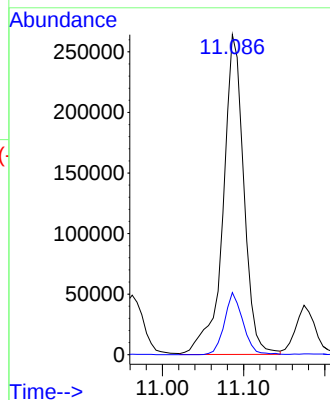
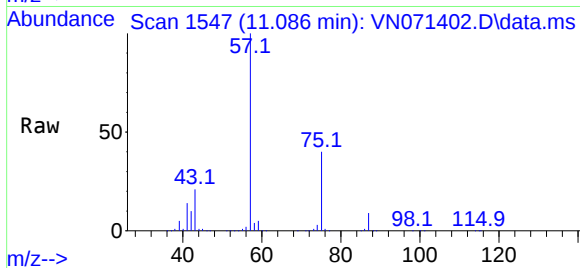




#59
2-Hexanone
Concen: 40.681 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

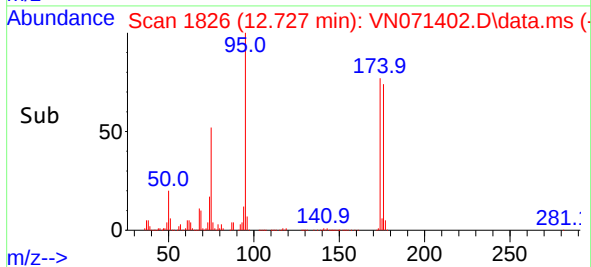
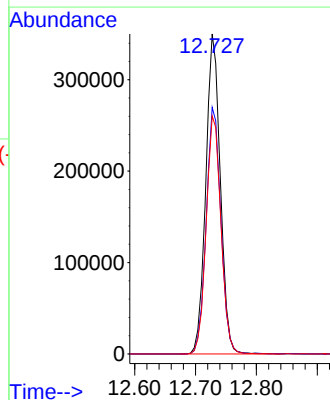
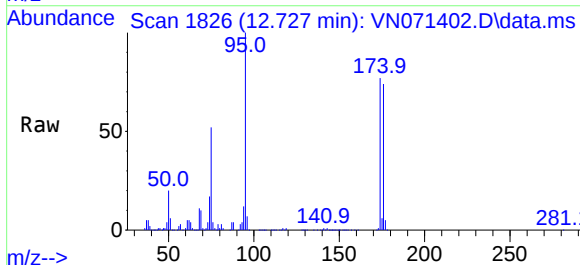
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

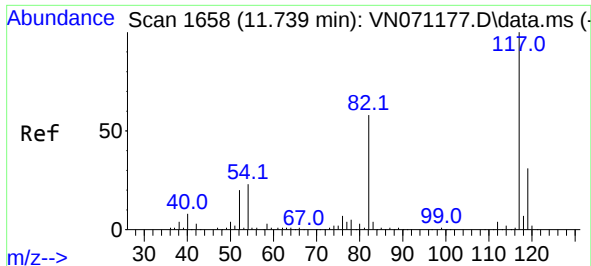
Tgt Ion: 43 Resp: 469004
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.461 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 95 Resp: 579317
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 75.7 0.0 181.4

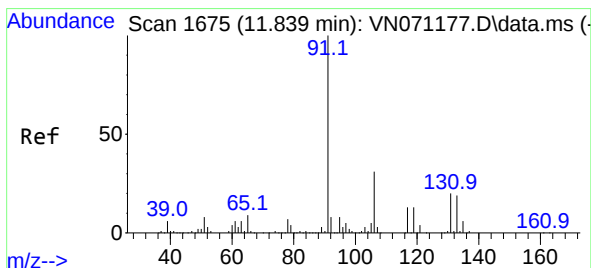
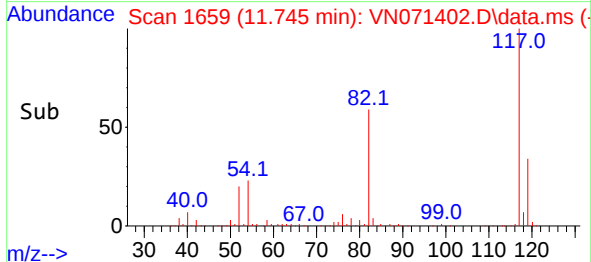
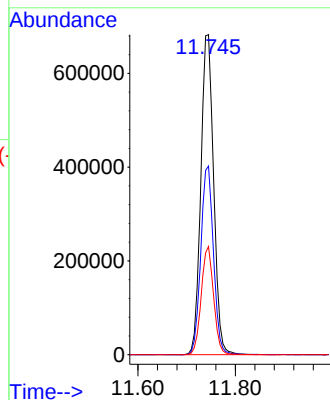
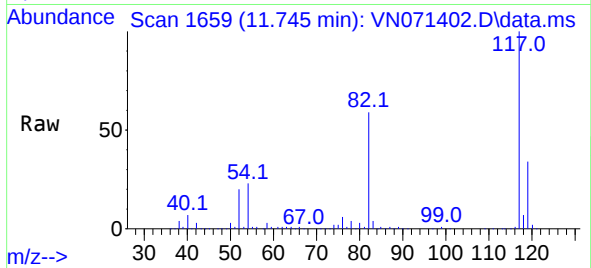




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

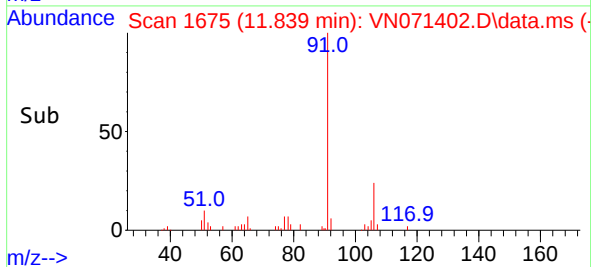
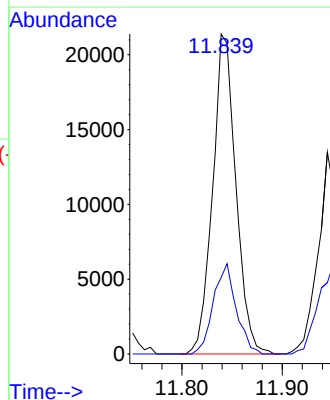
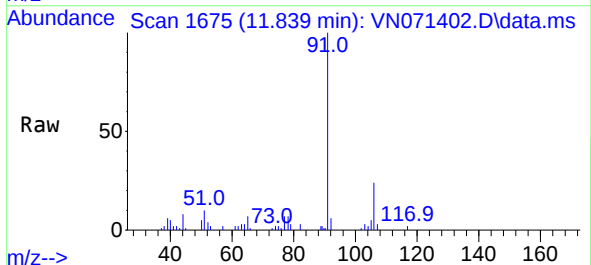
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

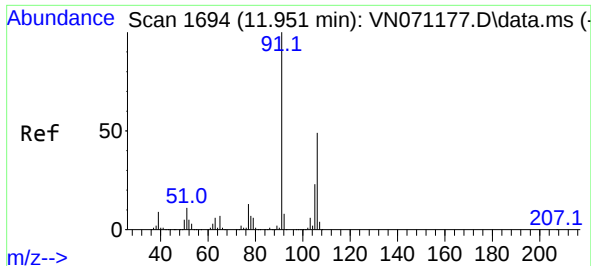
Tgt Ion:117 Resp: 1253494
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 33.8 25.4 38.2



#67
Ethyl Benzene
Concen: 0.722 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 91 Resp: 34386
Ion Ratio Lower Upper
91 100
106 23.9 25.7 38.5#

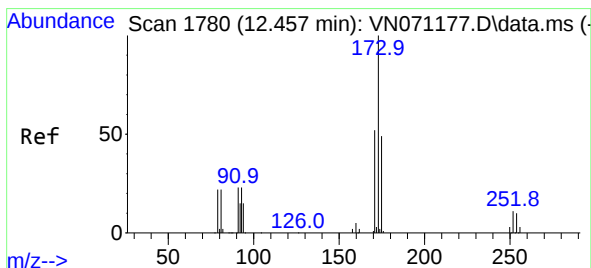
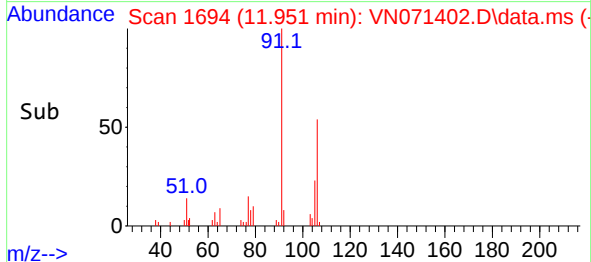
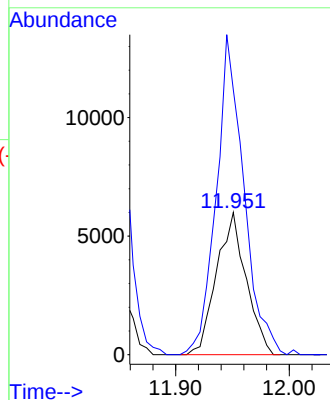
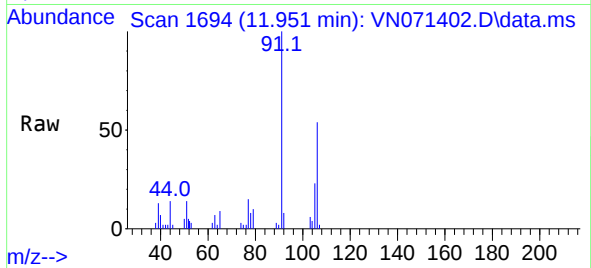




#68
m/p-Xylenes
Concen: 0.625 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

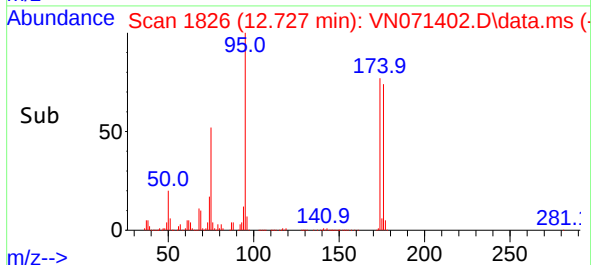
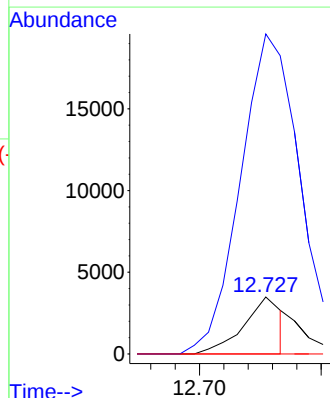
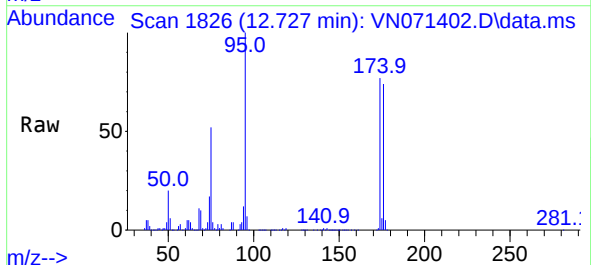
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

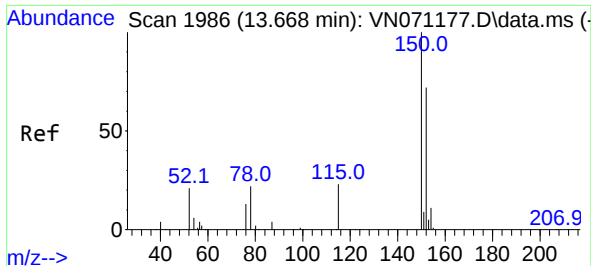
Tgt Ion:106 Resp: 10880
Ion Ratio Lower Upper
106 100
91 208.9 160.6 240.8



#71
Bromoform
Concen: 0.504 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion:173 Resp: 3775
Ion Ratio Lower Upper
173 100
175 641.8 24.2 72.6#
254 0.0 0.0 0.0

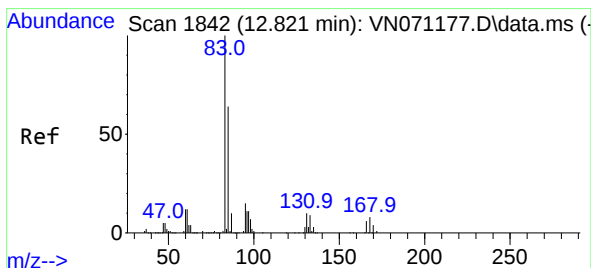
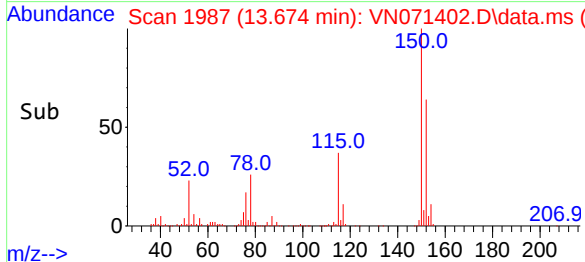
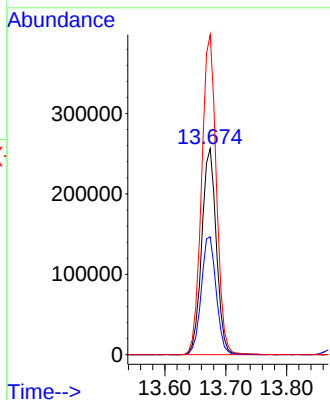
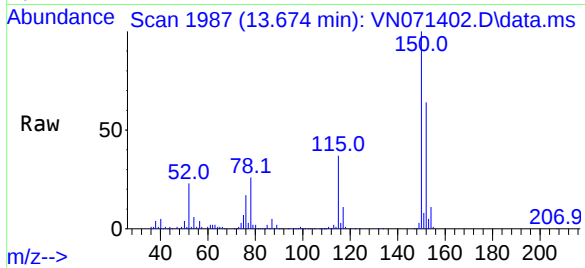




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1987
 Delta R.T. 0.006 min
 Lab File: VN071402.D
 Acq: 19 Mar 2022 16:55

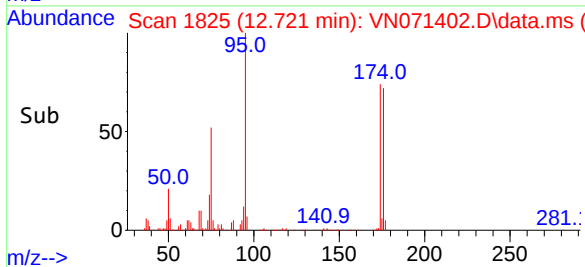
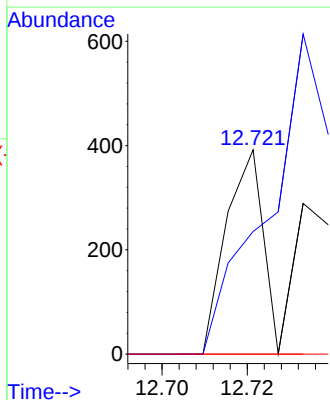
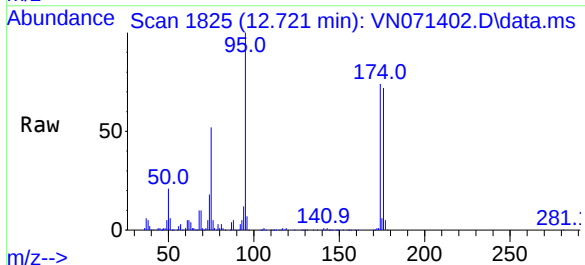
Instrument :
 MSVOA_N
 ClientSampleId :
 C-9-8-9

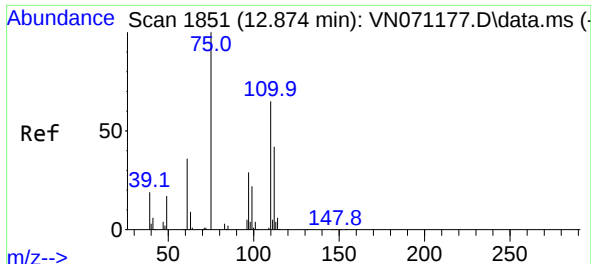
Tgt Ion:152 Resp: 427922
 Ion Ratio Lower Upper
 152 100
 115 58.6 27.5 82.5
 150 156.6 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.721 min Scan# 1825
 Delta R.T. -0.100 min
 Lab File: VN071402.D
 Acq: 19 Mar 2022 16:55

Tgt Ion: 83 Resp: 235
 Ion Ratio Lower Upper
 83 100
 131 281.3 5.5 16.5#
 85 0.0 32.4 97.2#

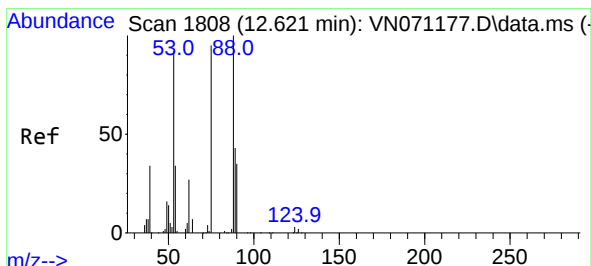
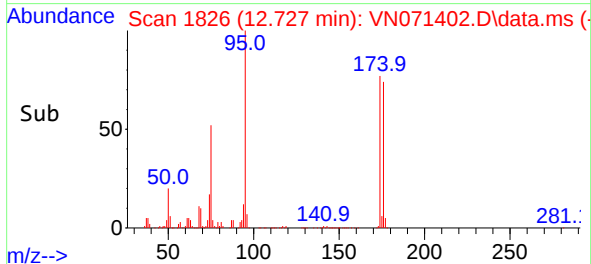
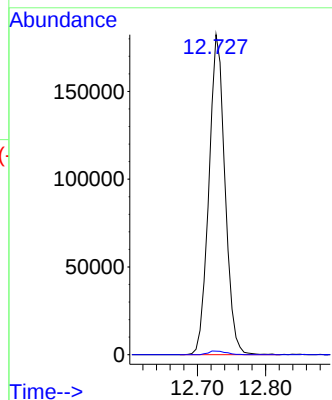
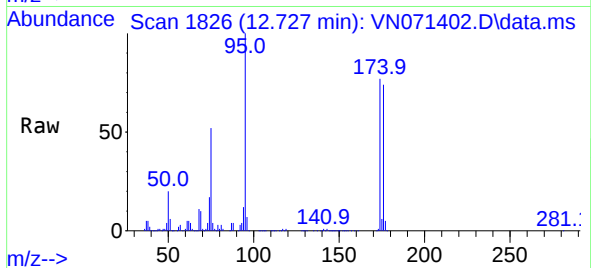




#76
1,2,3-Trichloropropane
Concen: 27.627 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

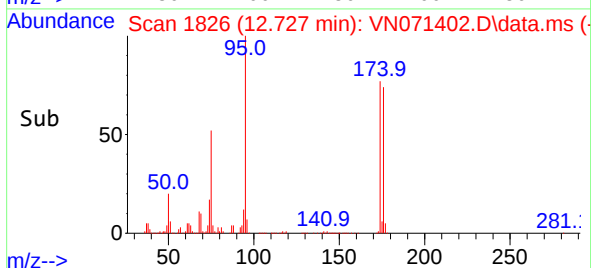
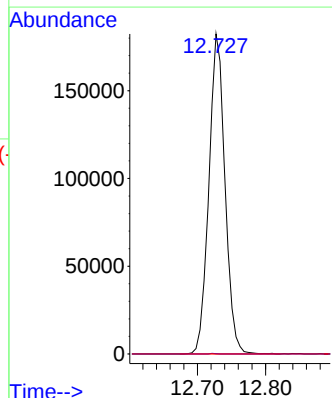
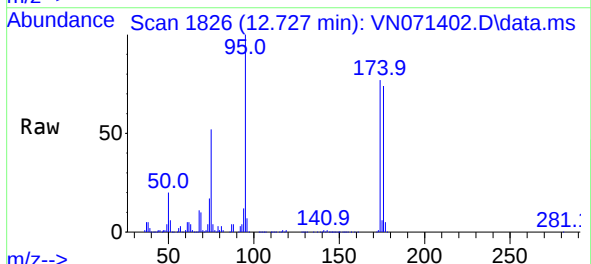
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

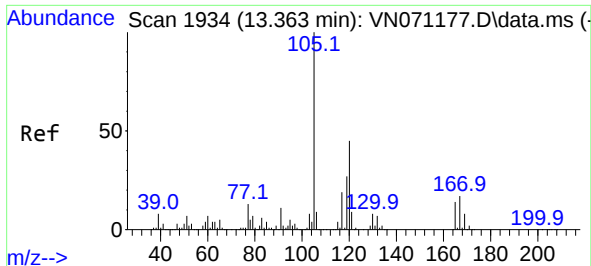
Tgt Ion: 75 Resp: 299628
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.691 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion: 75 Resp: 299628
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

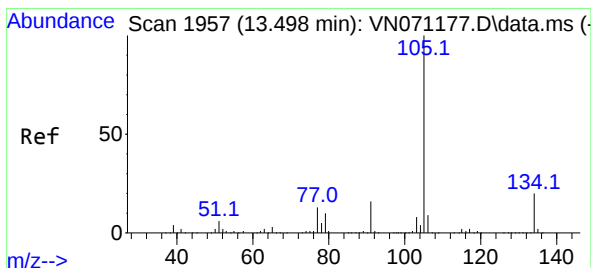
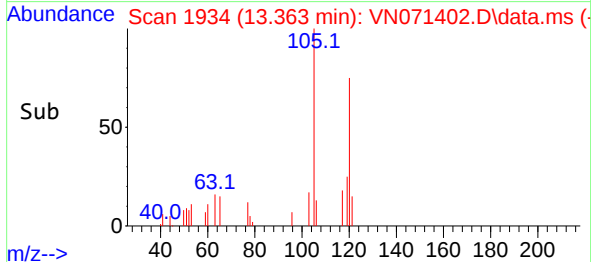
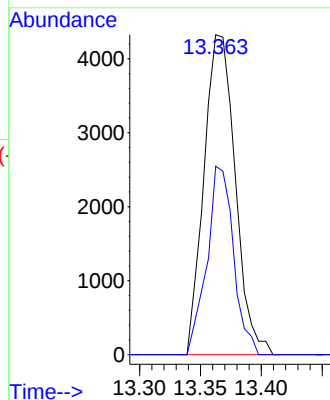
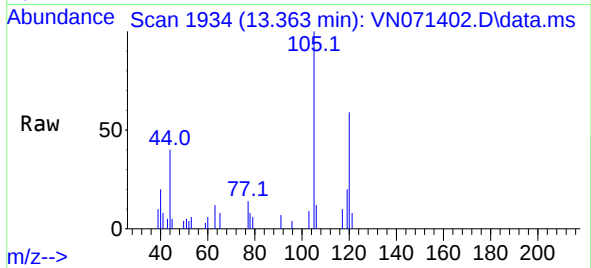




#84
1,2,4-Trimethylbenzene
Concen: 0.252 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

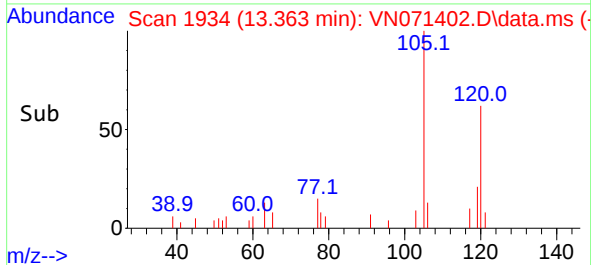
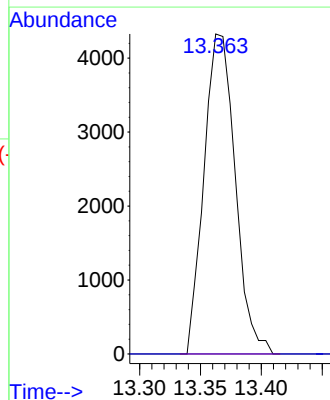
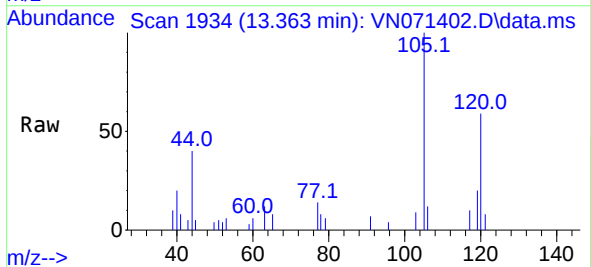
Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

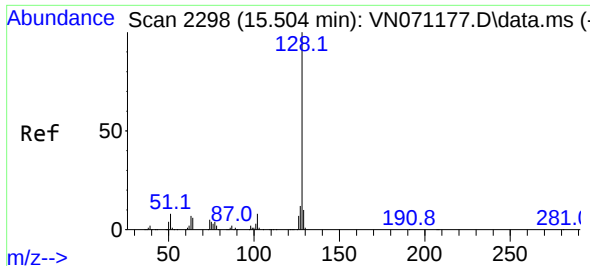
Tgt Ion:105 Resp: 7739
Ion Ratio Lower Upper
105 100
120 50.0 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.203 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion:105 Resp: 7739
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

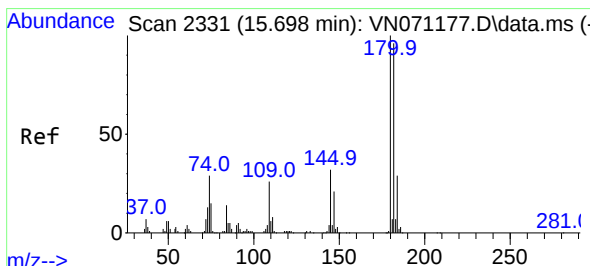
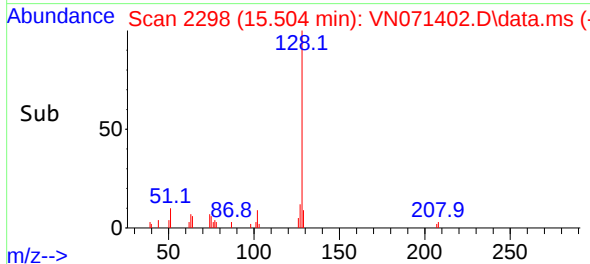
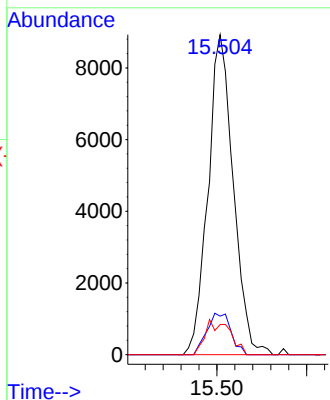
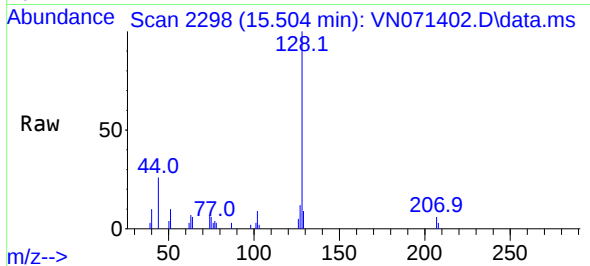




#95
Naphthalene
Concen: 5.867 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
C-9-8-9

Tgt Ion:	128	Resp:	17441
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.747 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071402.D
Acq: 19 Mar 2022 16:55

Tgt Ion:	180	Resp:	107
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	15.0	45.1#

