

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074799.D
 Acq On : 07 Oct 2022 09:58
 Operator : JC\MD
 Sample : VN1007MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007MBL01

Quant Time: Oct 08 03:50:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

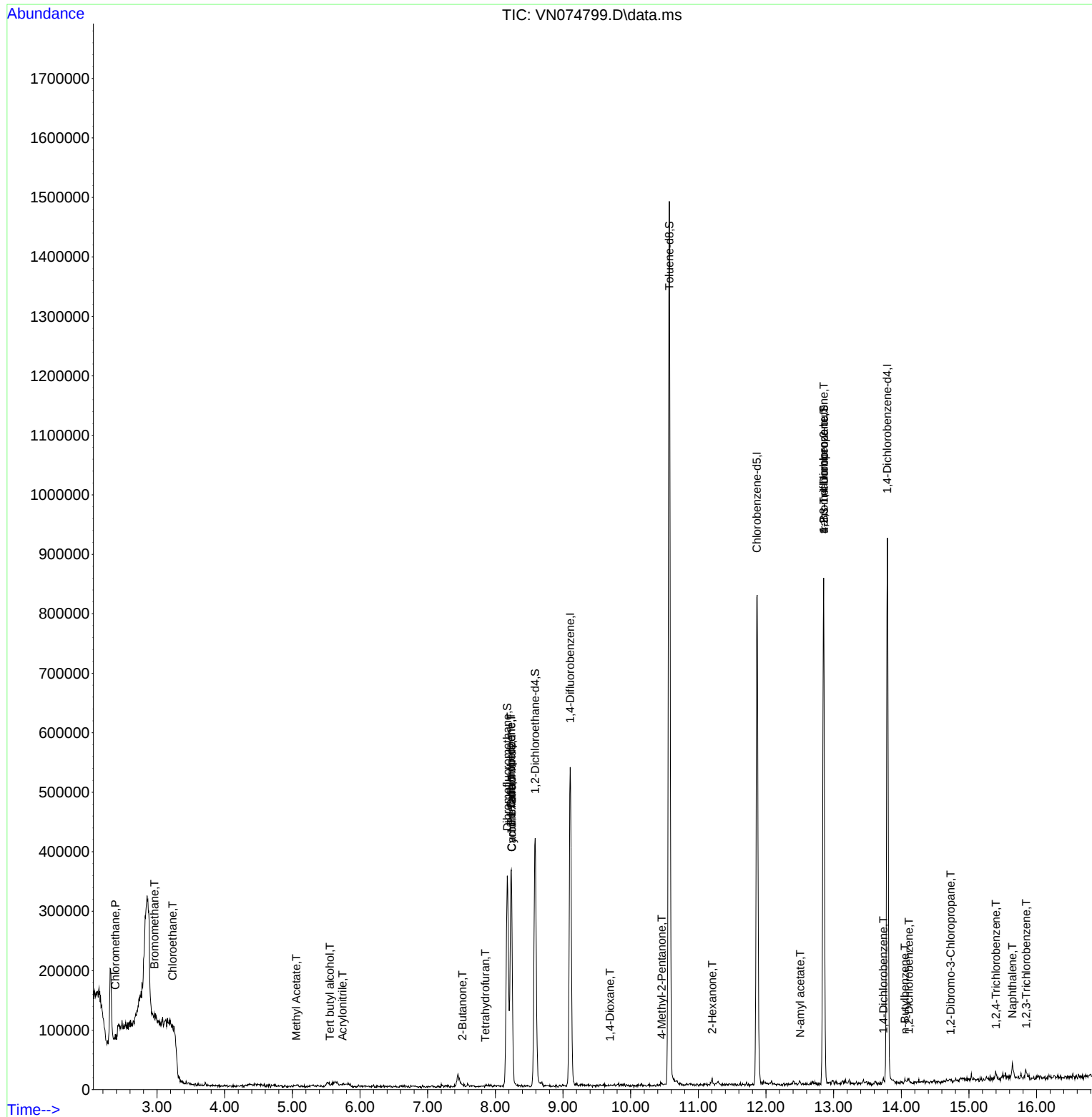
Internal Standards						
1) Pentafluorobenzene	8.235	168	260594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	467372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	462781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	312397	50.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.177	113	242790	51.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.571	98	1007497	49.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.853	95	259019	42.053	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.100%			
Target Compounds						Qvalue
3) Chloromethane	2.383	50	2591	0.326	ug/l	94
5) Bromomethane	2.959	94	3287	0.474	ug/l	92
6) Chloroethane	3.230	64	53608	7.363	ug/l #	54
11) Tert butyl alcohol	5.553	59	1110	0.537	ug/l #	89
13) Acrolein	4.218	56	579	Below Cal	#	71
15) Acrylonitrile	5.741	53	1033	0.229	ug/l #	1
18) Methyl Acetate	5.059	43	3446	0.266	ug/l #	64
20) Methylene Chloride	5.283	84	1223	Below Cal	#	42
25) 2-Butanone	7.512	43	3172	0.499	ug/l #	48
29) Tetrahydrofuran	7.853	42	1478	0.334	ug/l #	59
31) Cyclohexane	8.241	56	6845	0.641	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	25891	3.387	ug/l #	45
38) Carbon Tetrachloride	8.241	117	26995	3.745	ug/l #	19
49) 1,4-Dioxane	9.694	88	295	1.750	ug/l #	43
51) 4-Methyl-2-Pentanone	10.459	43	4210	0.345	ug/l #	84
59) 2-Hexanone	11.206	43	8215	0.890	ug/l #	49
74) N-amyl acetate	12.506	43	4396	0.327	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.941	83	675	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.853	75	151083	21.928	ug/l #	1
77) Bromobenzene	12.988	156	780	Below Cal	#	34
81) trans-1,4-Dichloro-2-b...	12.853	75	151083	42.723	ug/l #	14
88) 1,4-Dichlorobenzene	13.735	146	1671	0.201	ug/l	86
89) n-Butylbenzene	14.053	91	3790	0.250	ug/l #	87
91) 1,2-Dichlorobenzene	14.111	146	2422	0.285	ug/l #	75
92) 1,2-Dibromo-3-Chloropr...	14.729	75	1140	0.619	ug/l #	44
93) 1,2,4-Trichlorobenzene	15.400	180	2975	0.802	ug/l	81
95) Naphthalene	15.641	128	24063	1.500	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	4974	0.444	ug/l #	85

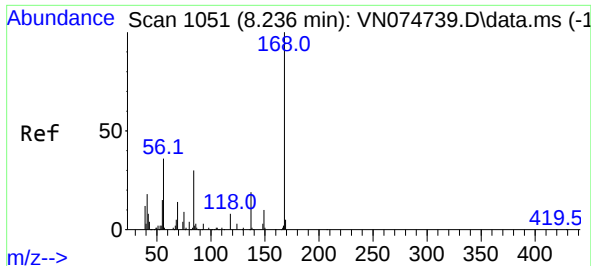
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

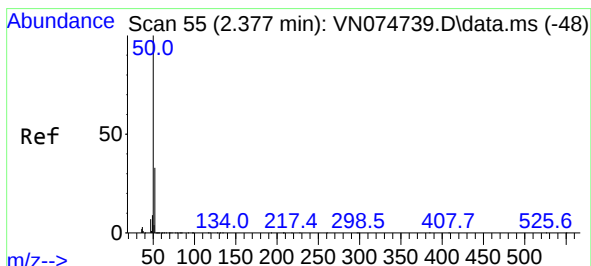
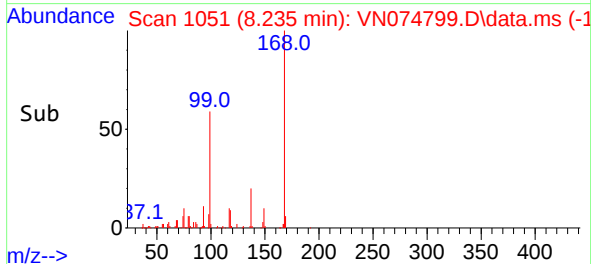
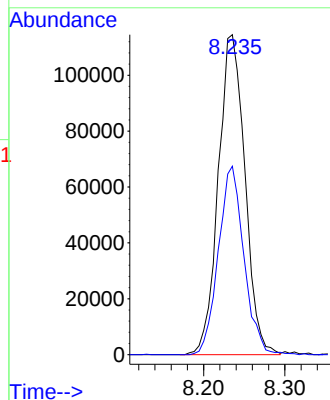
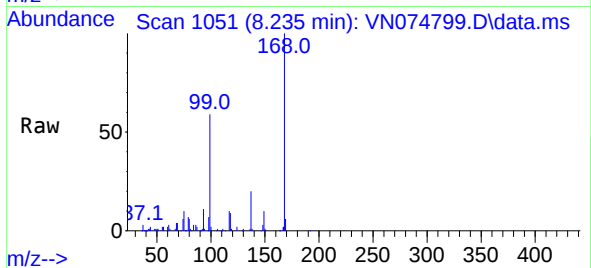




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

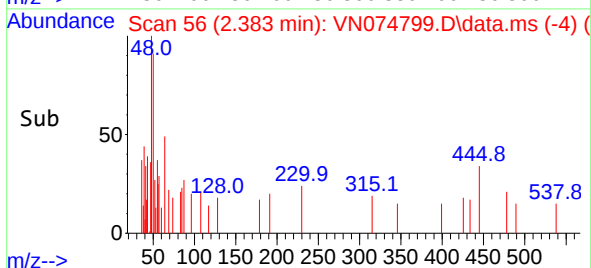
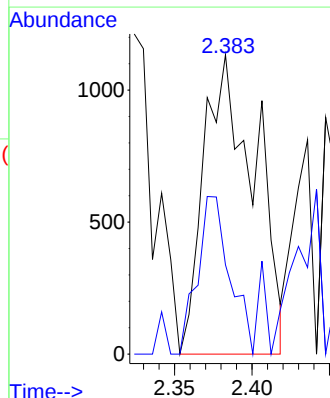
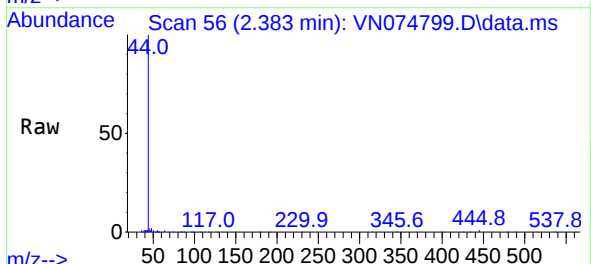
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

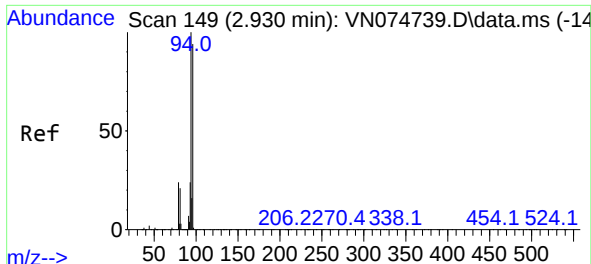
Tgt Ion:168 Resp: 260594
Ion Ratio Lower Upper
168 100
99 58.9 42.8 64.2



#3
Chloromethane
Concen: 0.326 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 50 Resp: 2591
Ion Ratio Lower Upper
50 100
52 29.8 26.7 40.1

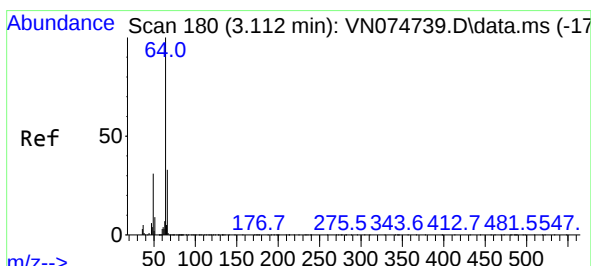
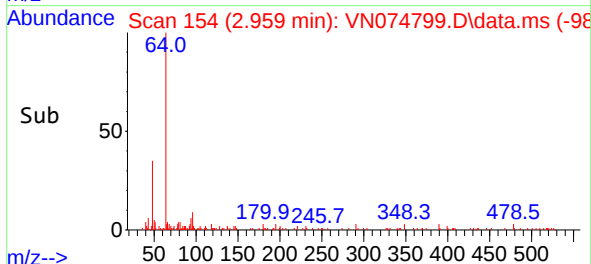
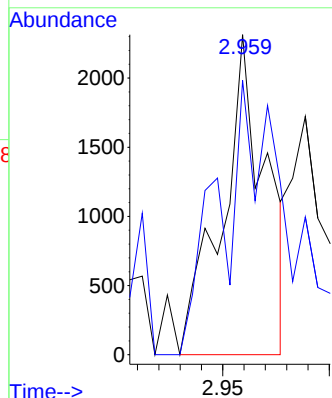
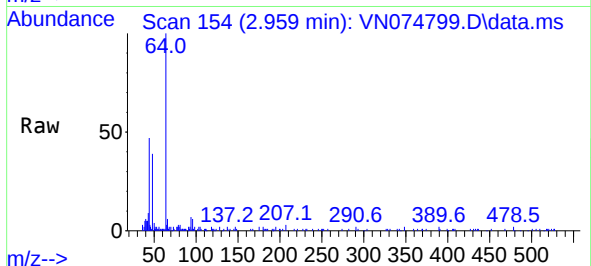




#5
Bromomethane
Concen: 0.474 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

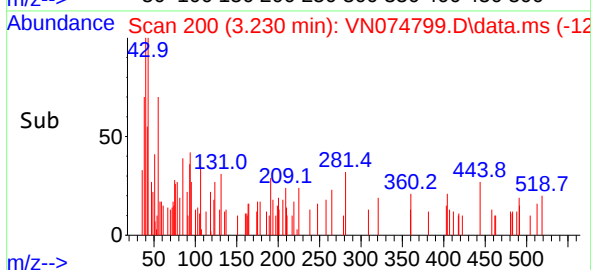
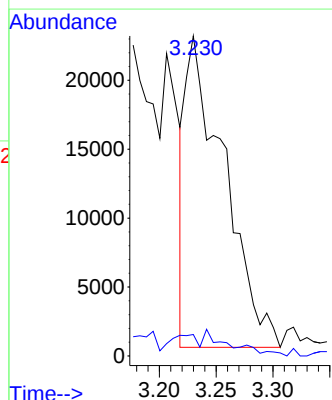
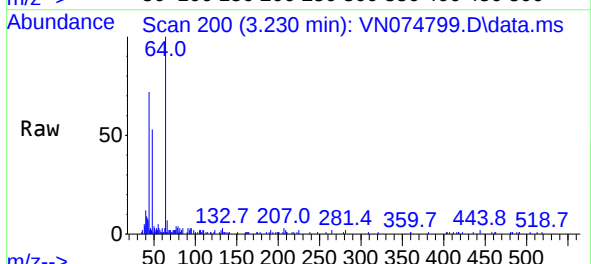
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

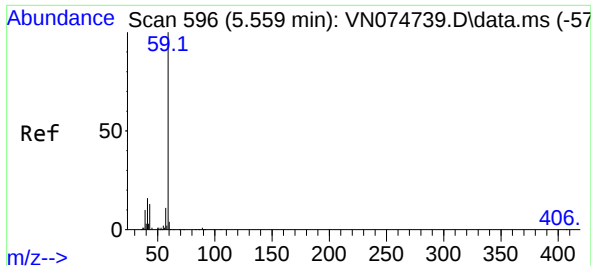
Tgt Ion: 94 Resp: 3287
Ion Ratio Lower Upper
94 100
96 85.7 75.0 112.6



#6
Chloroethane
Concen: 7.363 ug/l
RT: 3.230 min Scan# 200
Delta R.T. 0.117 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 64 Resp: 53608
Ion Ratio Lower Upper
64 100
66 5.9 25.1 37.7#

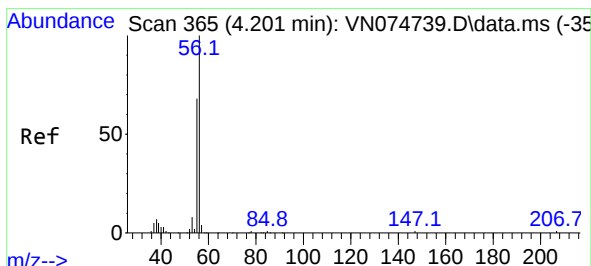
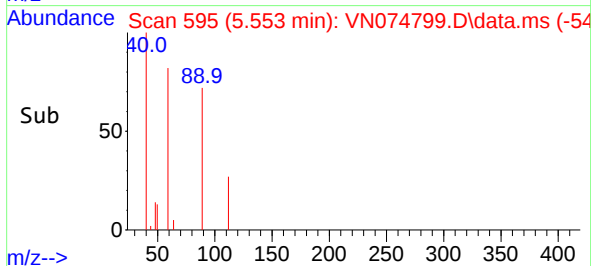
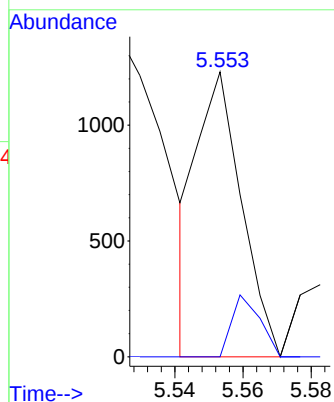
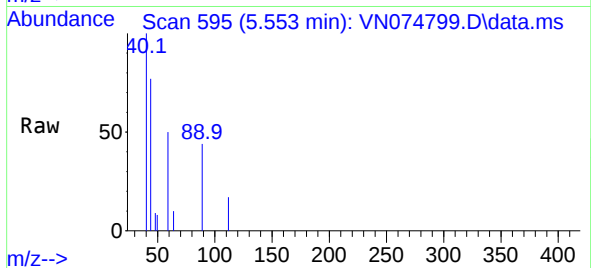




#11
Tert butyl alcohol
Concen: 0.537 ug/l
RT: 5.553 min Scan# 59
Delta R.T. -0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

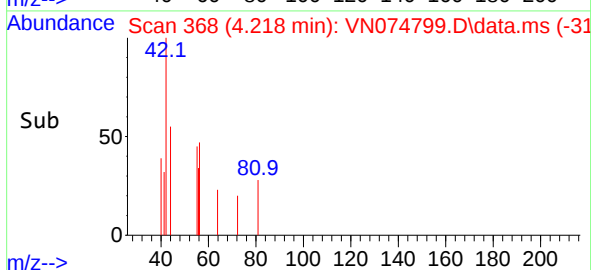
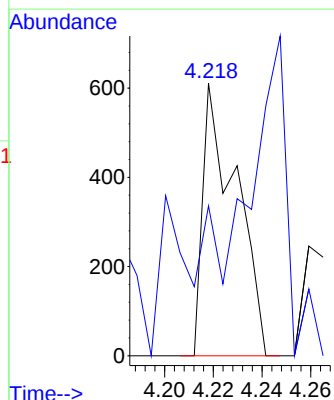
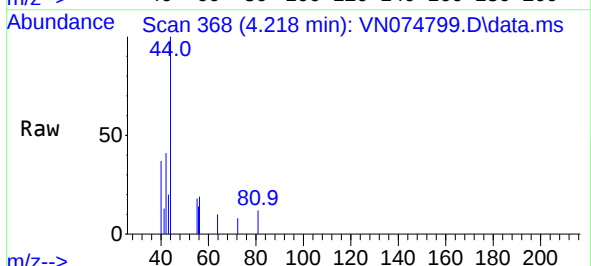
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

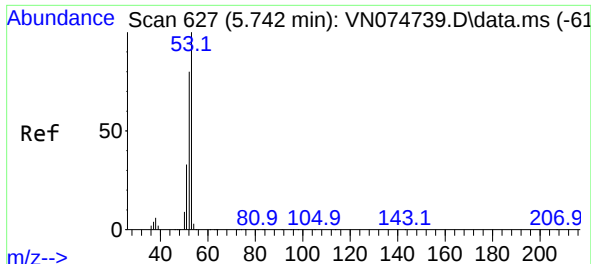
Tgt Ion: 59 Resp: 1110
Ion Ratio Lower Upper
59 100
57 13.8 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.218 min Scan# 368
Delta R.T. 0.017 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 56 Resp: 579
Ion Ratio Lower Upper
56 100
55 45.4 54.9 82.3#

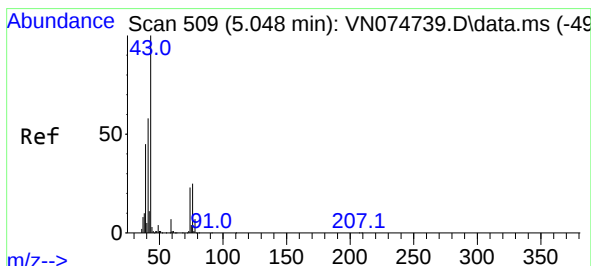
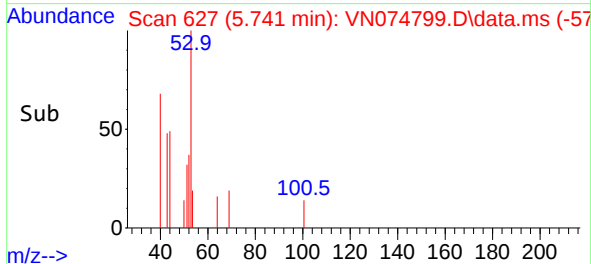
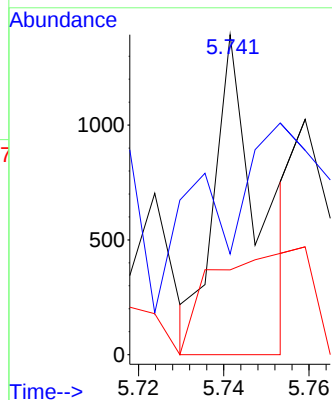
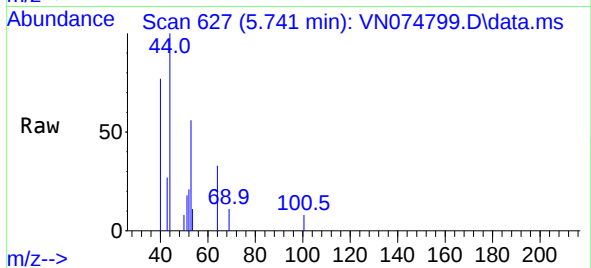




#15
Acrylonitrile
Concen: 0.229 ug/l
RT: 5.741 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

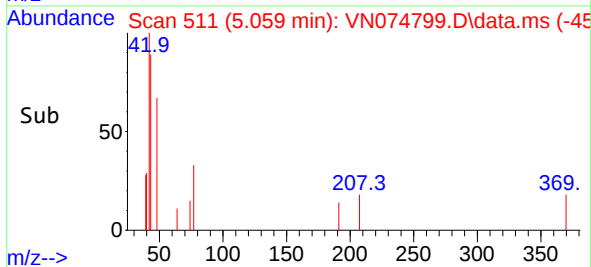
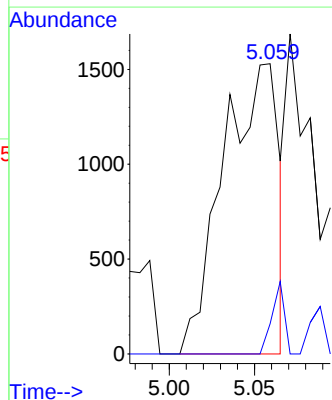
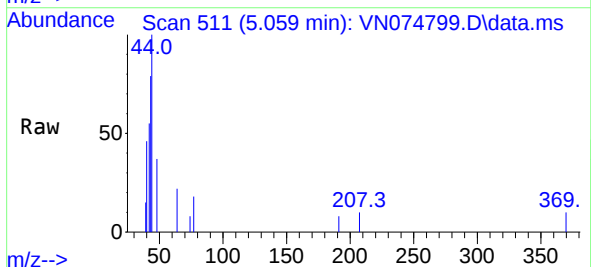
Instrument :
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ClientSampleId :
VN1007MBL01

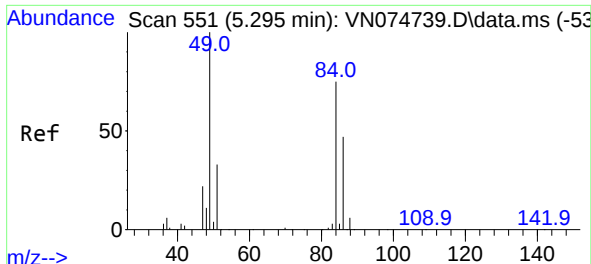
Tgt Ion: 53 Resp: 1033
Ion Ratio Lower Upper
53 100
52 250.6 64.3 96.5#
51 70.5 27.5 41.3#



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

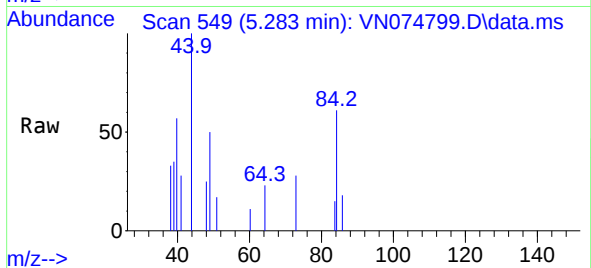
Tgt Ion: 43 Resp: 3446
Ion Ratio Lower Upper
43 100
74 5.5 18.5 27.7#





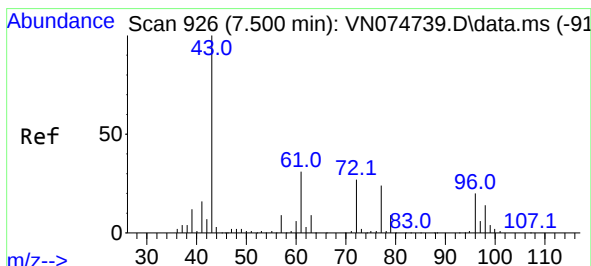
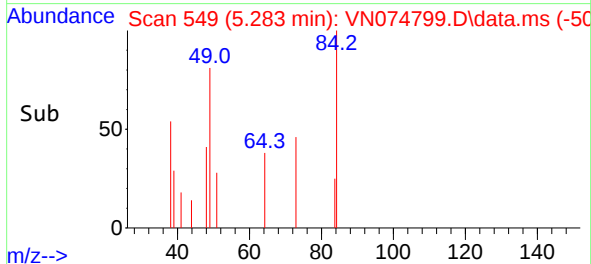
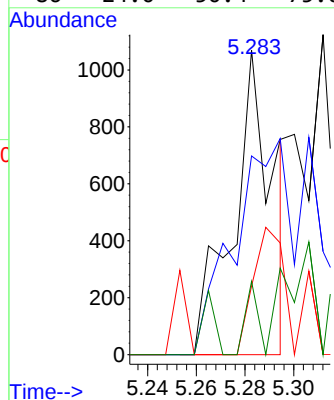
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01



Tgt Ion: 84 Resp: 1223

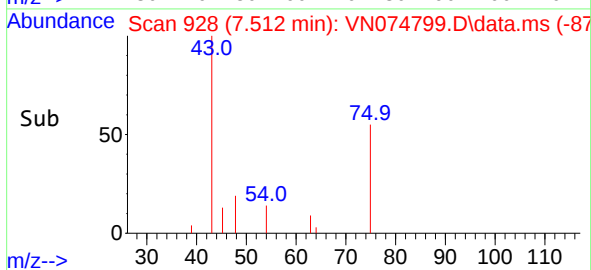
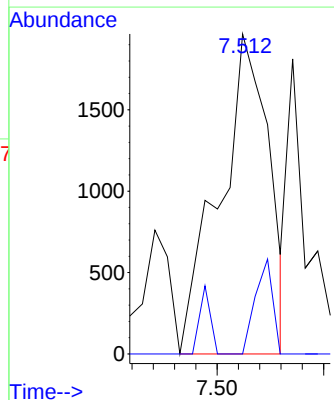
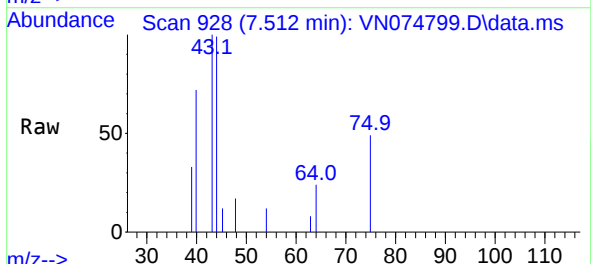
Ion	Ratio	Lower	Upper
84	100		
49	65.2	107.4	161.0#
51	0.0	35.1	52.7#
86	24.0	50.4	75.6#

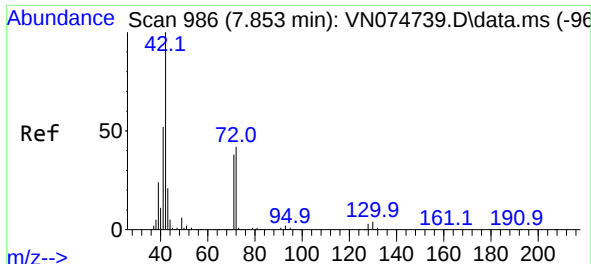


#25
2-Butanone
Concen: 0.499 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 43 Resp: 3172

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

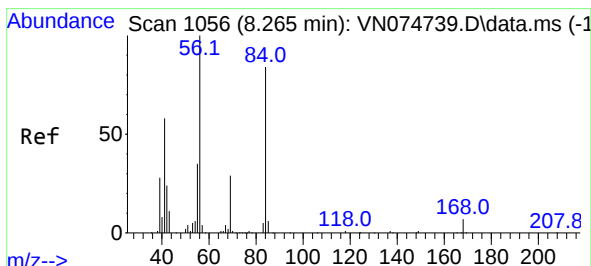
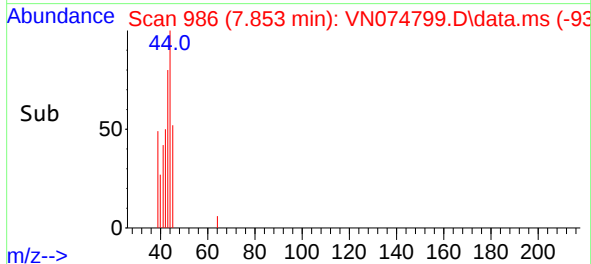
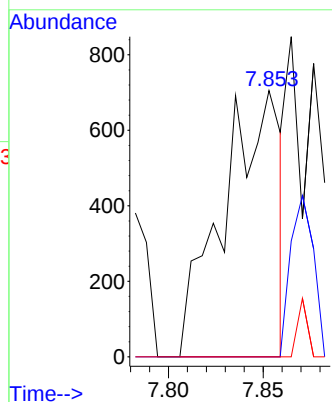
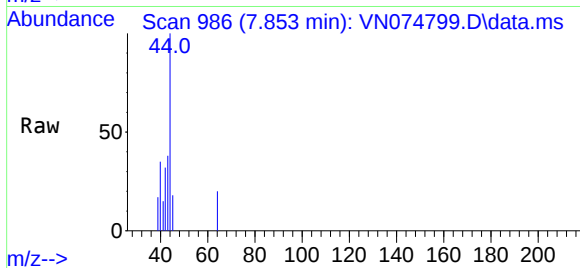




#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 7.853 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

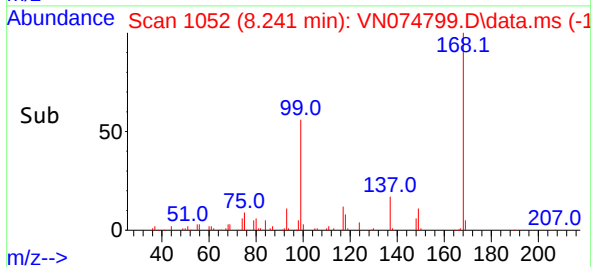
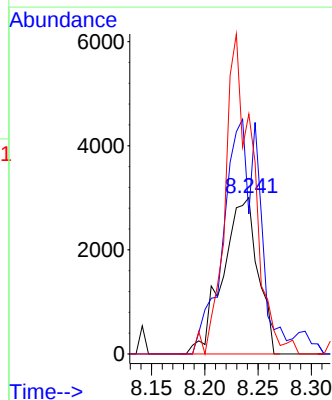
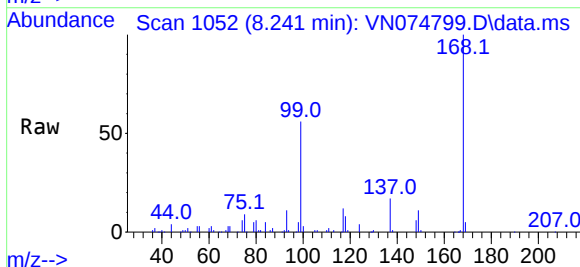
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

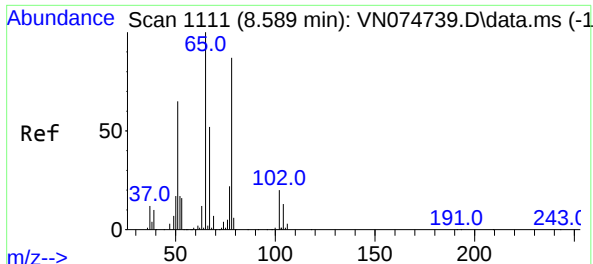
Tgt Ion:	42	Resp:	1478
Ion	Ratio	Lower	Upper
42	100		
72	24.4	33.0	49.6#
71	3.7	30.4	45.6#



#31
Cyclohexane
Concen: 0.641 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion:	56	Resp:	6845
Ion	Ratio	Lower	Upper
56	100		
69	89.6	23.1	34.7#
84	153.5	67.1	100.7#

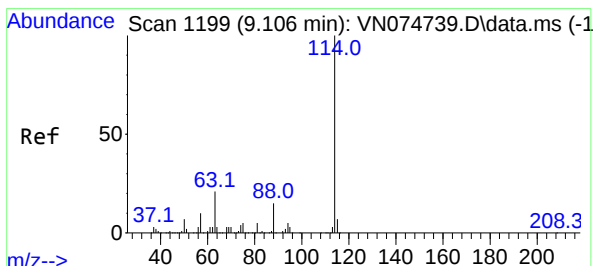
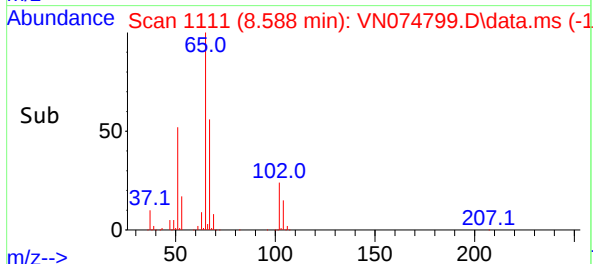
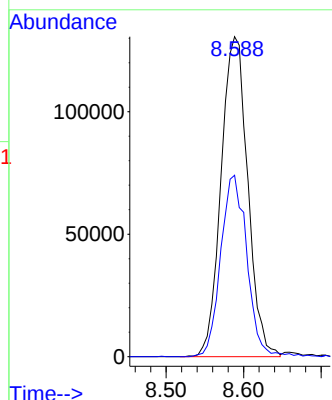
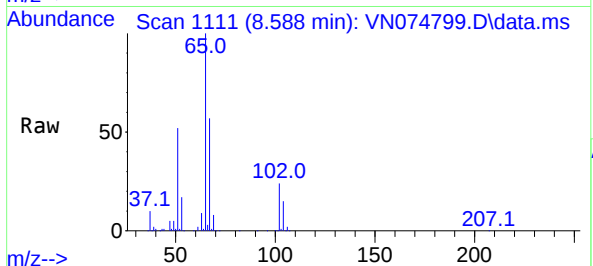




#33
1,2-Dichloroethane-d4
Concen: 50.594 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

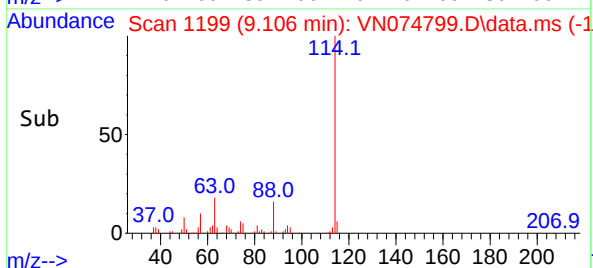
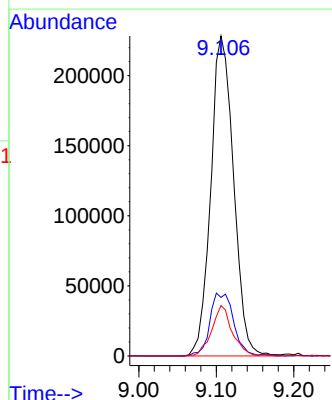
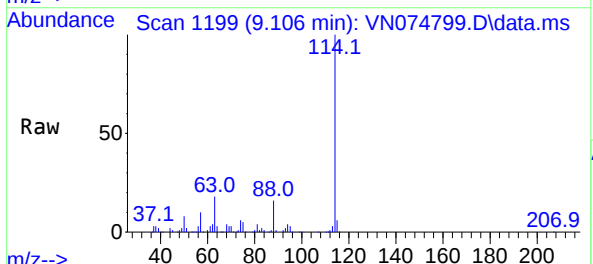
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

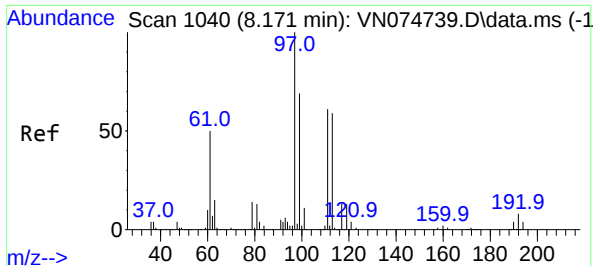
Tgt Ion: 65 Resp: 312397
Ion Ratio Lower Upper
65 100
67 55.8 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 114 Resp: 467372
Ion Ratio Lower Upper
114 100
63 18.3 0.0 41.2
88 15.7 0.0 30.2

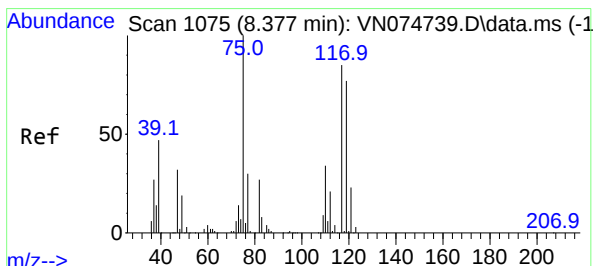
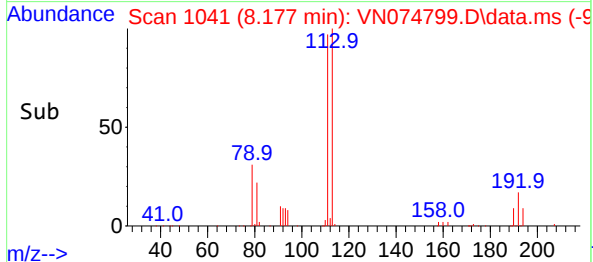
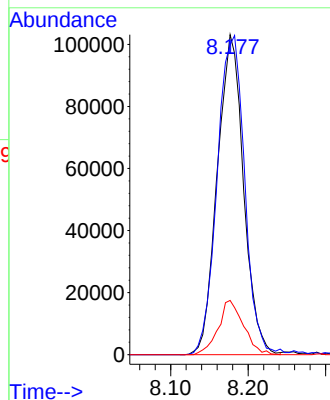
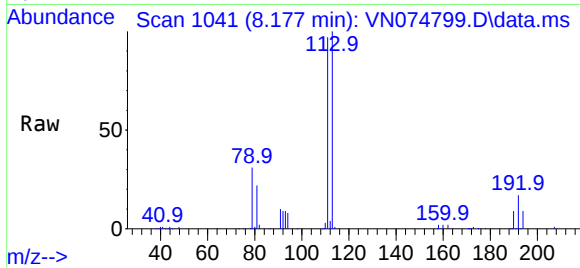




#35
Dibromofluoromethane
Concen: 51.415 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

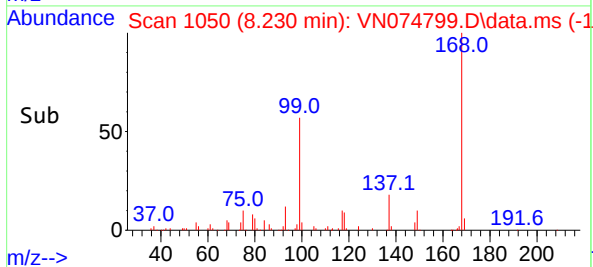
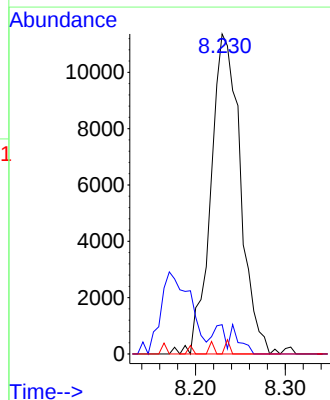
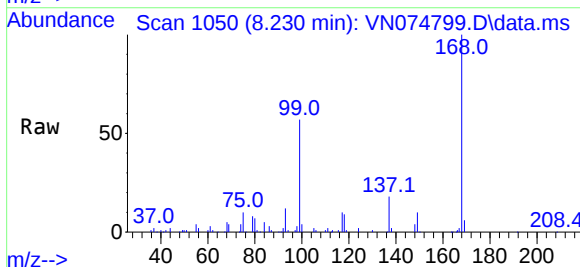
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

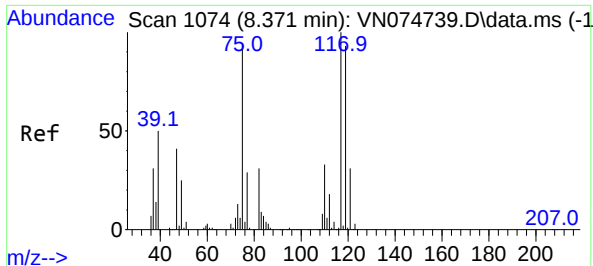
Tgt Ion:113 Resp: 242790
Ion Ratio Lower Upper
113 100
111 104.4 83.0 124.6
192 16.4 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.387 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 75 Resp: 25891
Ion Ratio Lower Upper
75 100
110 3.0 17.2 51.5#
77 0.7 24.3 36.5#

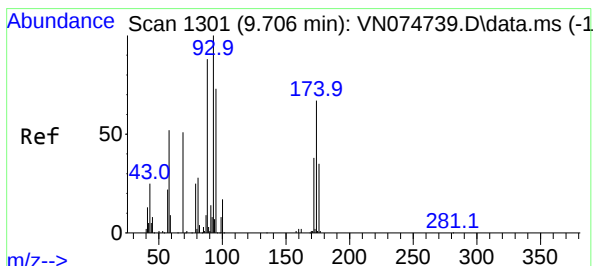
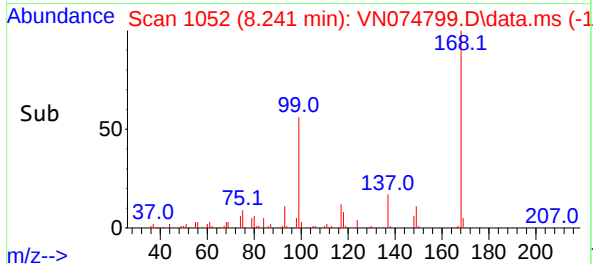
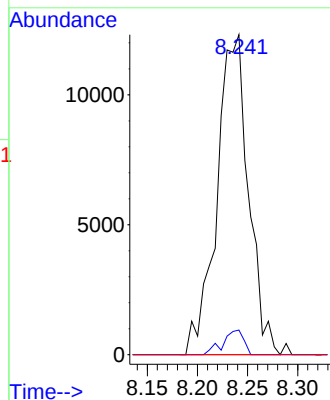
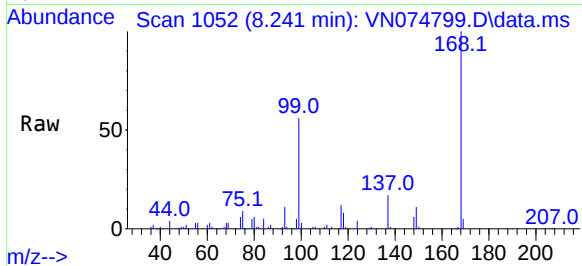




#38
Carbon Tetrachloride
Concen: 3.745 ug/l
RT: 8.241 min Scan# 11
Delta R.T. -0.130 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

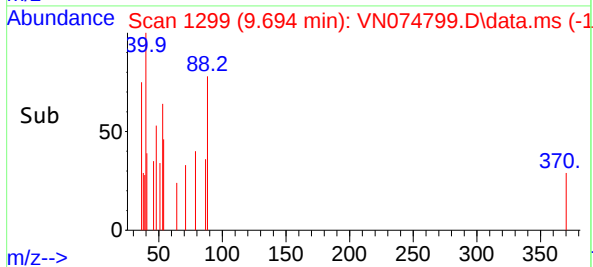
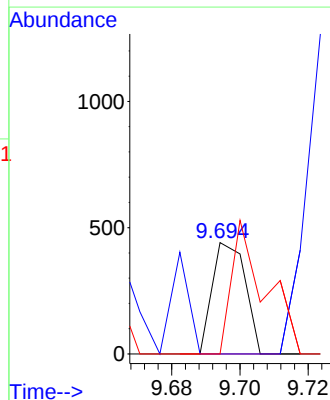
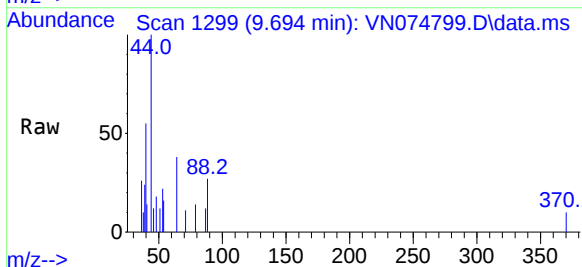
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

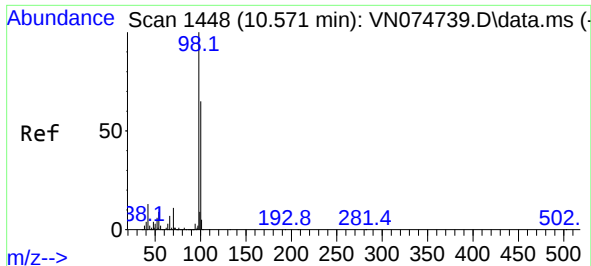
Tgt Ion:117 Resp: 26995
Ion Ratio Lower Upper
117 100
119 7.7 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.750 ug/l
RT: 9.694 min Scan# 1299
Delta R.T. -0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 48.1 23.4 35.2#
58 122.7 54.9 82.3#

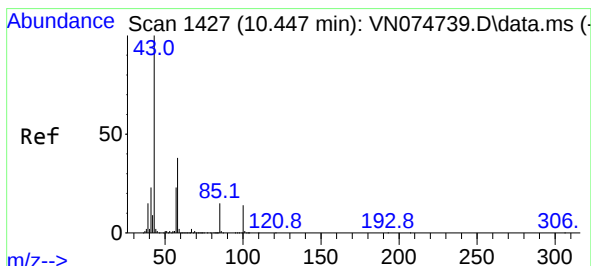
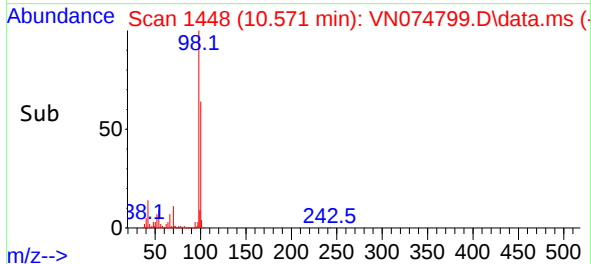
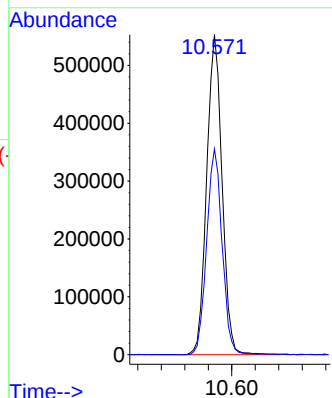
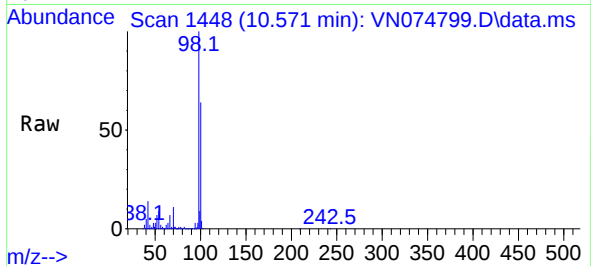




#50
Toluene-d8
Concen: 49.723 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

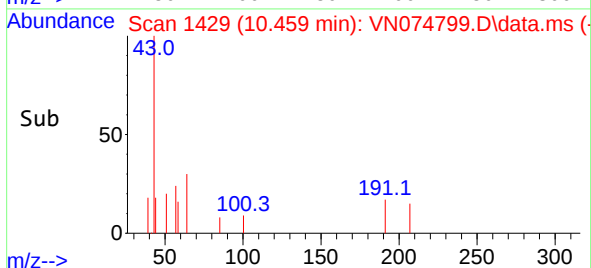
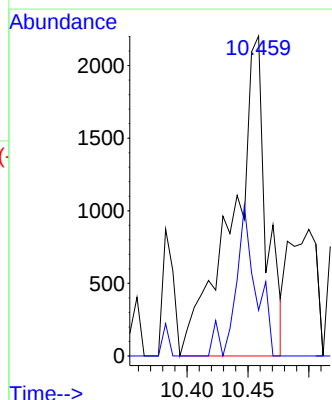
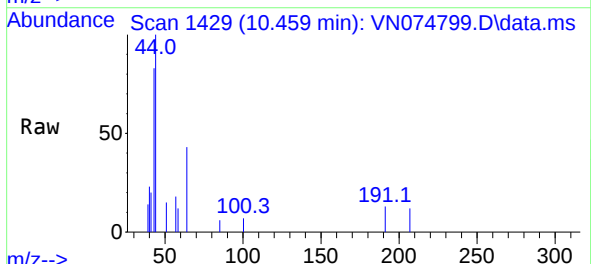
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

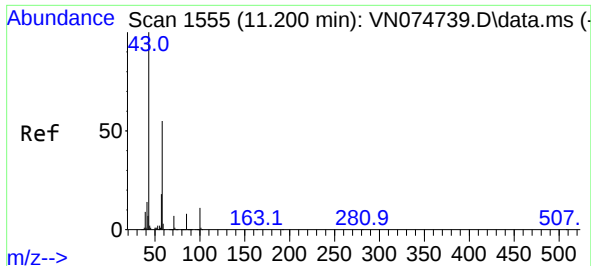
Tgt Ion: 98 Resp: 1007497
Ion Ratio Lower Upper
98 100
100 64.5 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 43 Resp: 4210
Ion Ratio Lower Upper
43 100
58 28.5 30.6 45.8#

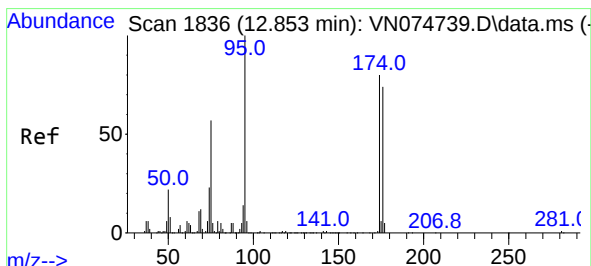
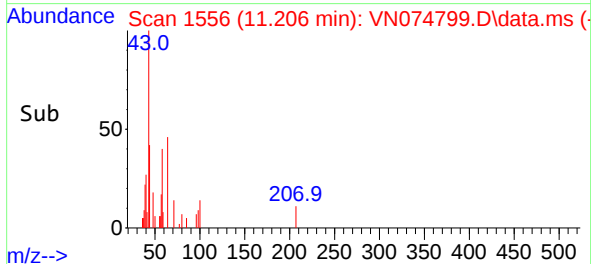
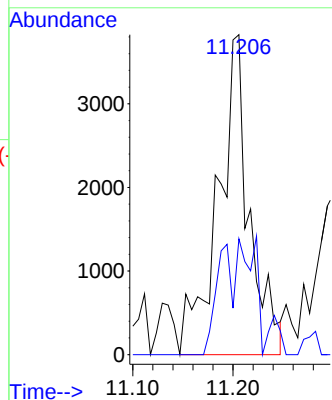
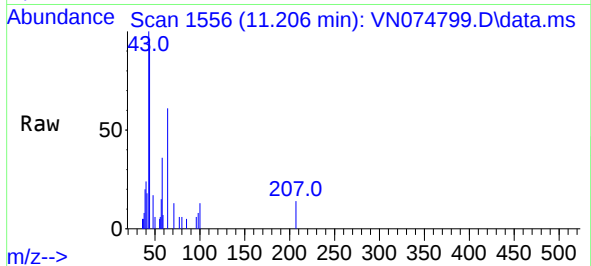




#59
2-Hexanone
Concen: 0.890 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

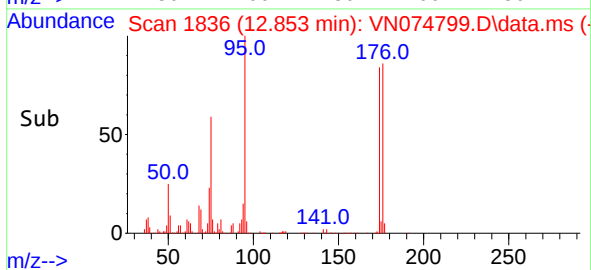
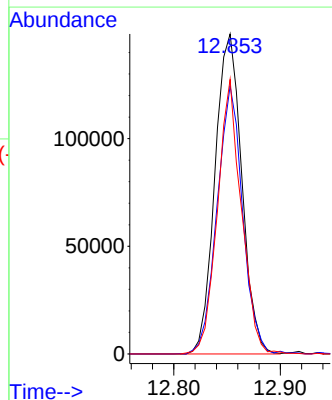
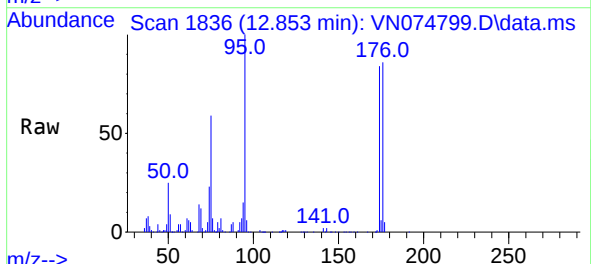
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

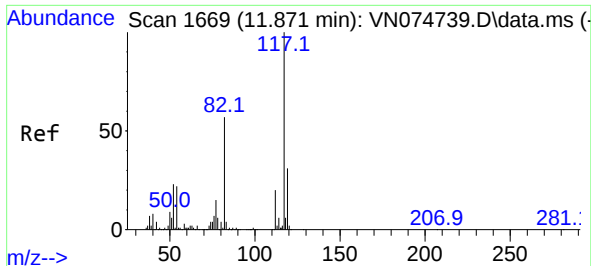
Tgt Ion: 43 Resp: 8215
Ion Ratio Lower Upper
43 100
58 17.7 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 42.053 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 95 Resp: 259019
Ion Ratio Lower Upper
95 100
174 80.2 0.0 149.4
176 76.7 0.0 142.0

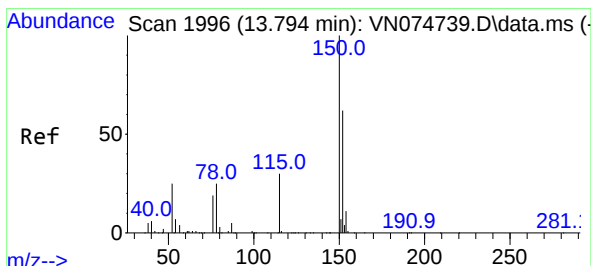
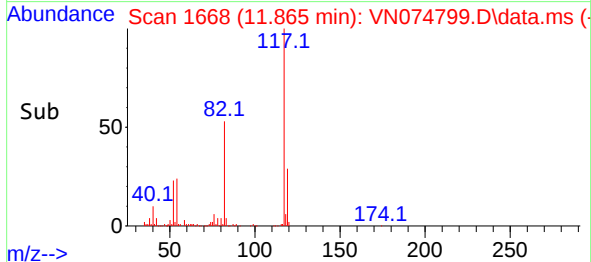
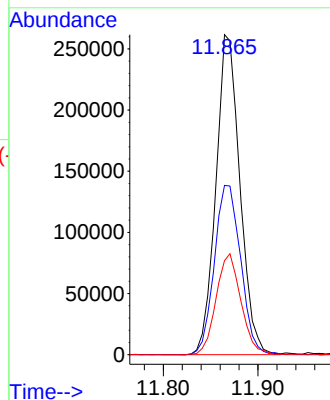
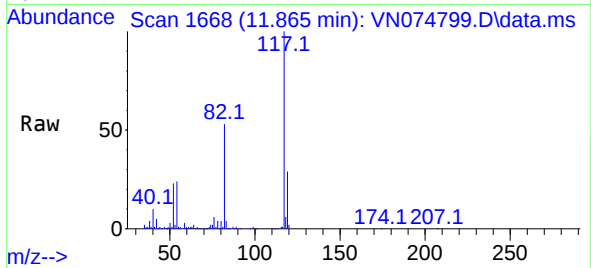




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

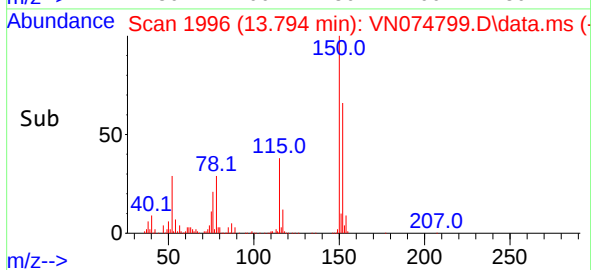
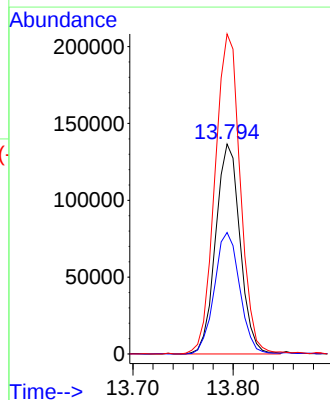
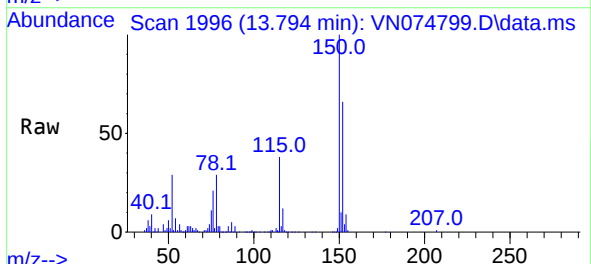
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

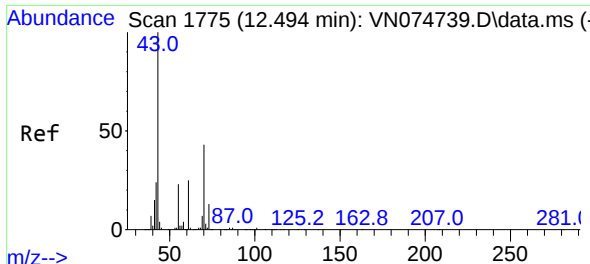
Tgt Ion:117 Resp: 462781
Ion Ratio Lower Upper
117 100
82 52.9 45.4 68.2
119 29.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion:152 Resp: 230842
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 158.6 0.0 356.4



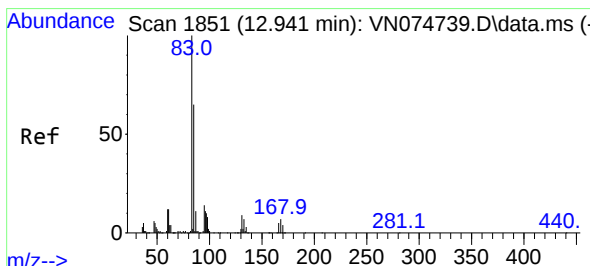
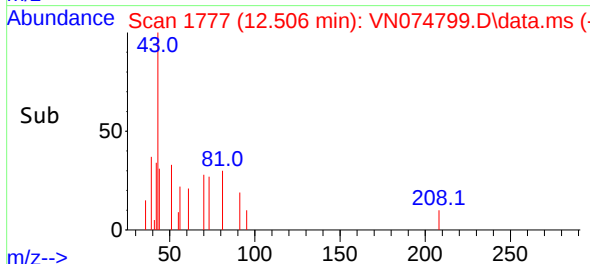
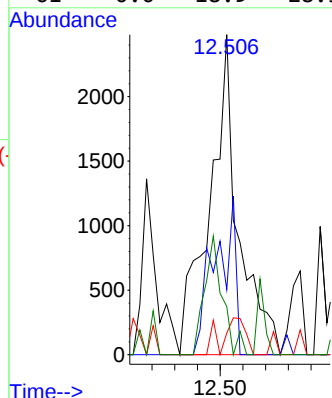
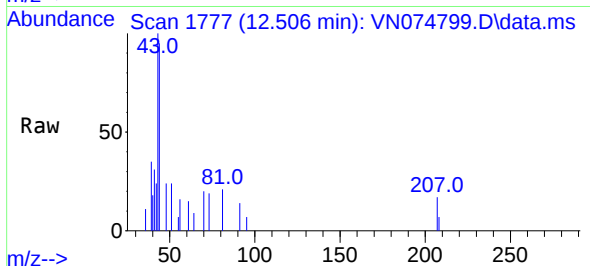


#74
N-amy1 acetate
Concen: 0.327 ug/l
RT: 12.506 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

Tgt Ion: 43 Resp: 4396

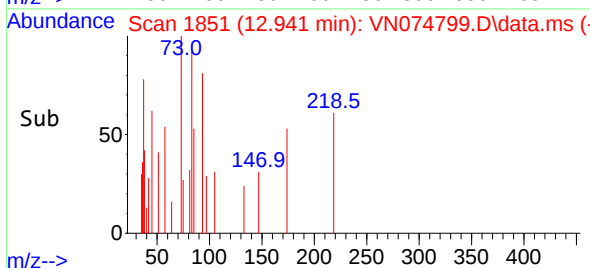
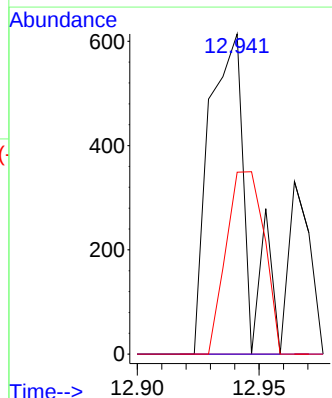
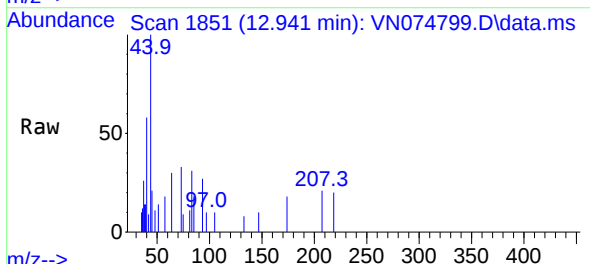
Ion	Ratio	Lower	Upper
43	100		
70	34.3	32.9	49.3
55	7.2	17.8	26.6#
61	0.0	18.9	28.3#

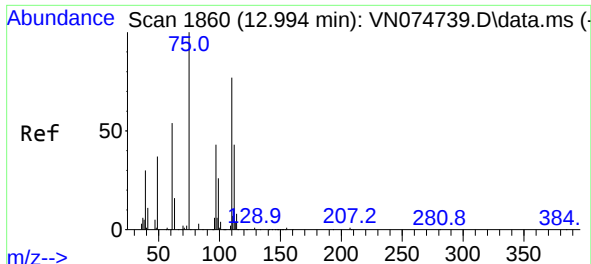


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 83 Resp: 675

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	56.4	32.9	98.6

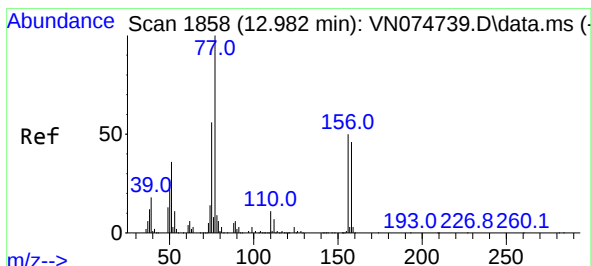
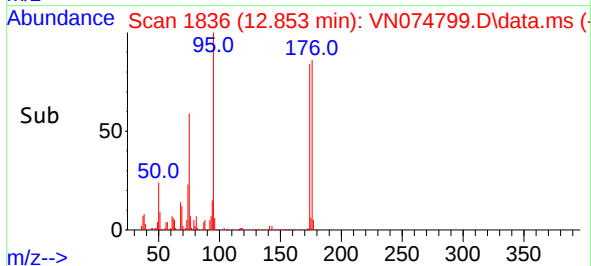
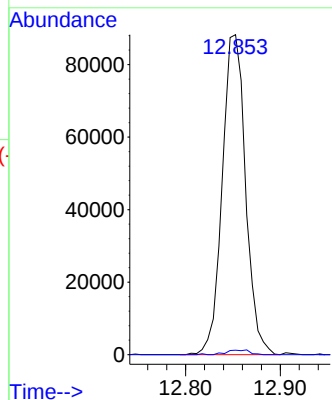
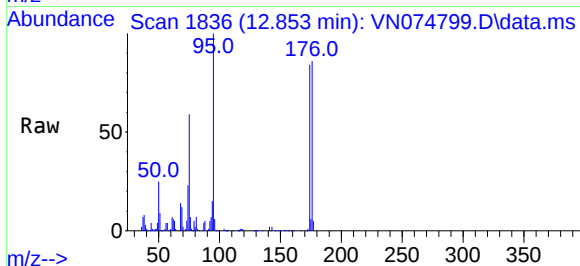




#76
1,2,3-Trichloropropane
Concen: 21.928 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

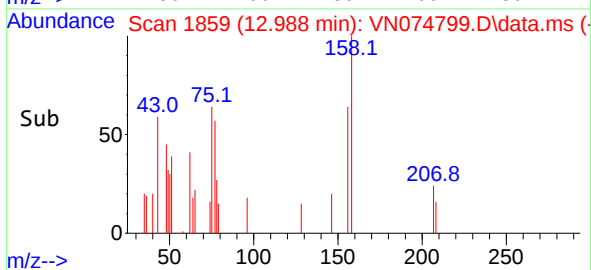
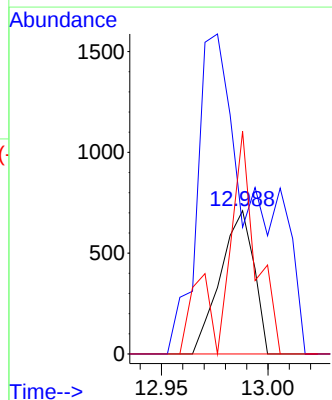
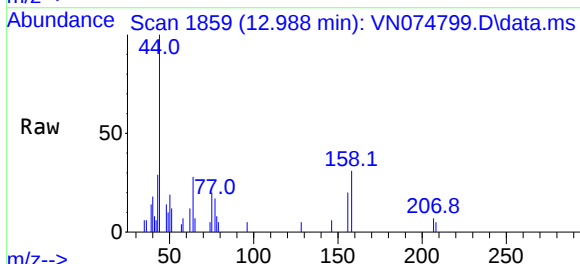
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

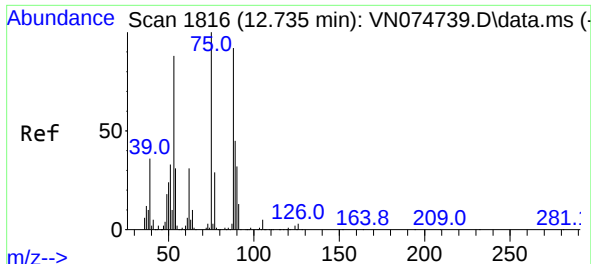
Tgt Ion: 75 Resp: 151083
Ion Ratio Lower Upper
75 100
77 1.4 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion: 156 Resp: 780
Ion Ratio Lower Upper
156 100
77 377.6 124.7 374.1#
158 142.8 48.3 144.9

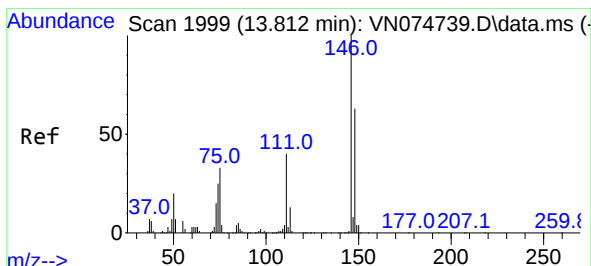
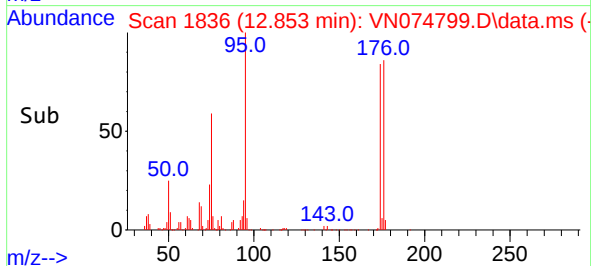
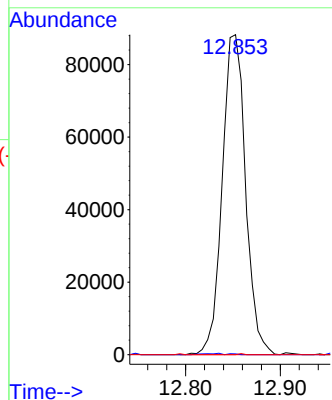
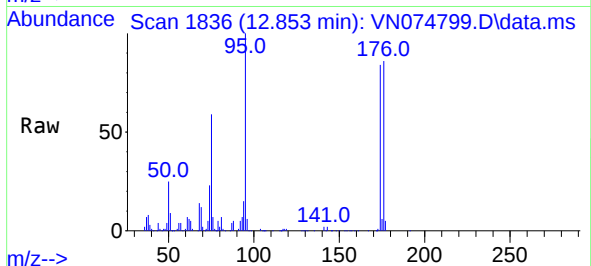




#81
trans-1,4-Dichloro-2-butene
Concen: 42.723 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

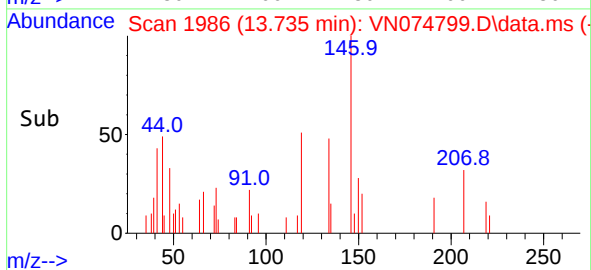
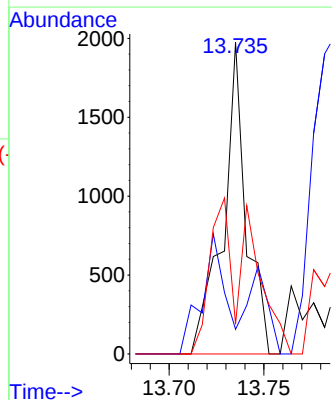
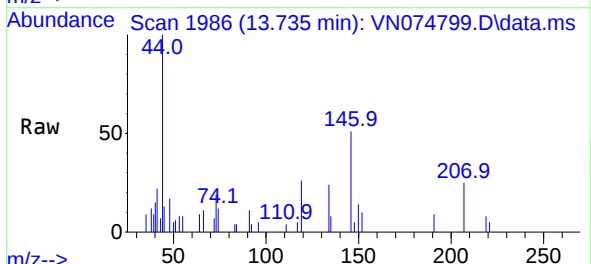
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

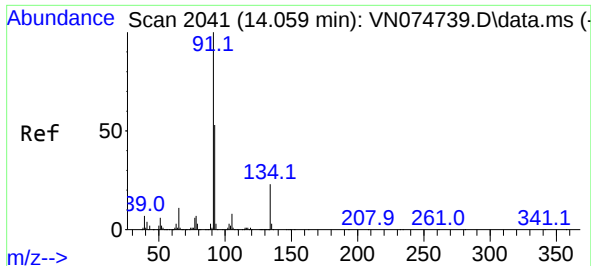
Tgt Ion: 75 Resp: 151083
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.1 32.1 48.1#



#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.077 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion:146 Resp: 1671
Ion Ratio Lower Upper
146 100
111 39.6 19.9 59.6
148 45.7 31.8 95.4





#89

n-Butylbenzene

Concen: 0.250 ug/l

RT: 14.053 min Scan# 2040

Delta R.T. -0.006 min

Lab File: VN074799.D

Acq: 07 Oct 2022 09:58

Instrument :

MSVOA_N

ClientSampleId :

VN1007MBL01

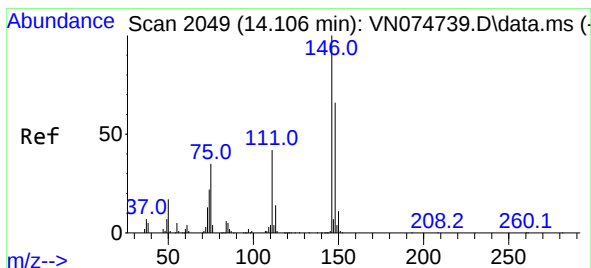
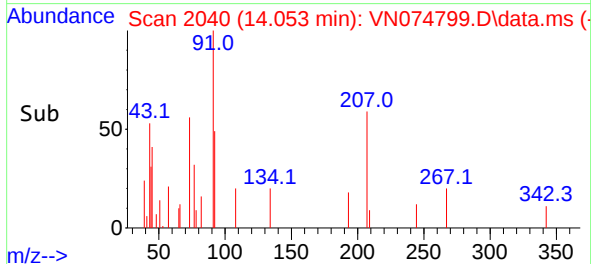
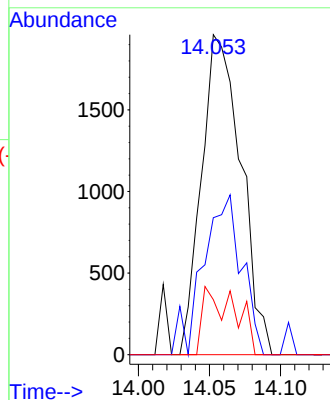
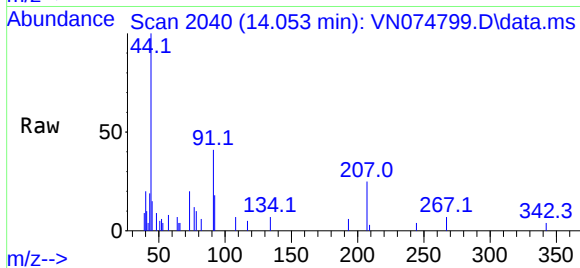
Tgt Ion: 91 Resp: 3790

Ion Ratio Lower Upper

91 100

92 49.1 26.7 80.0

134 9.0 11.9 35.5#



#91

1,2-Dichlorobenzene

Concen: 0.285 ug/l

RT: 14.111 min Scan# 2050

Delta R.T. 0.005 min

Lab File: VN074799.D

Acq: 07 Oct 2022 09:58

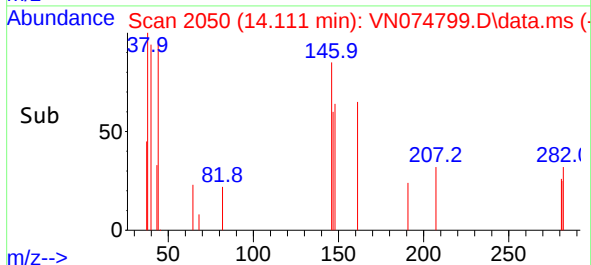
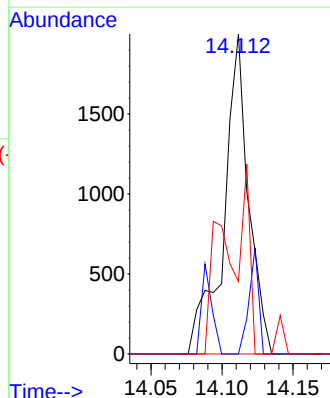
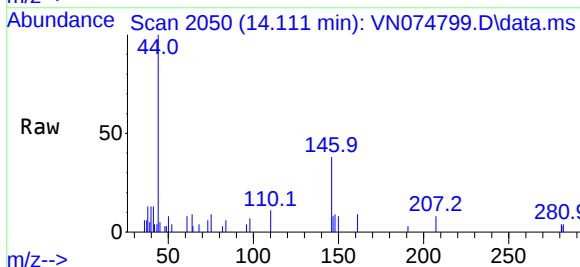
Tgt Ion:146 Resp: 2422

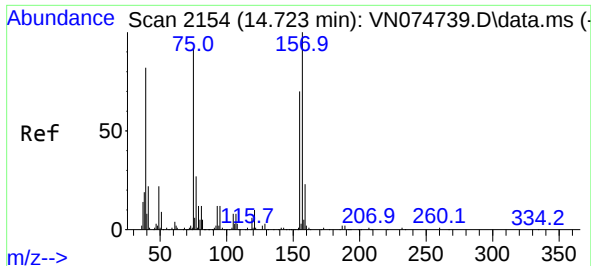
Ion Ratio Lower Upper

146 100

111 12.9 21.5 64.5#

148 55.8 31.9 95.9

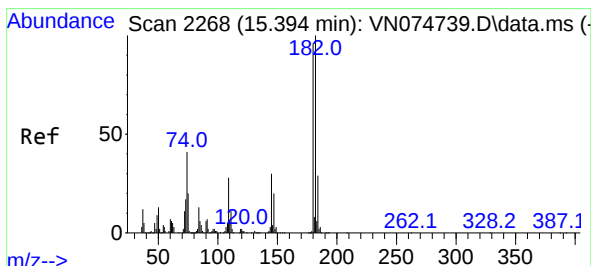
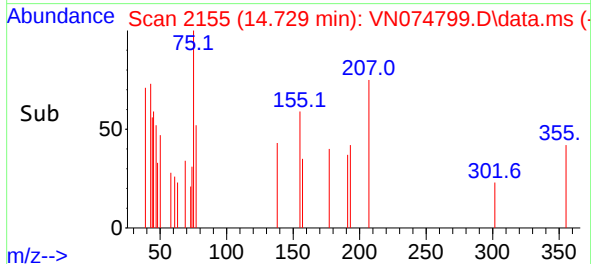
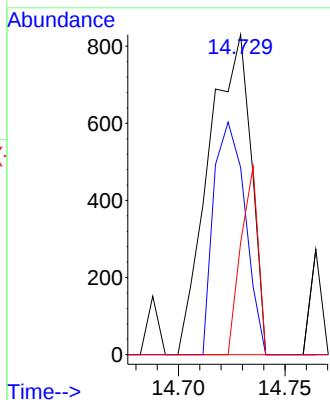
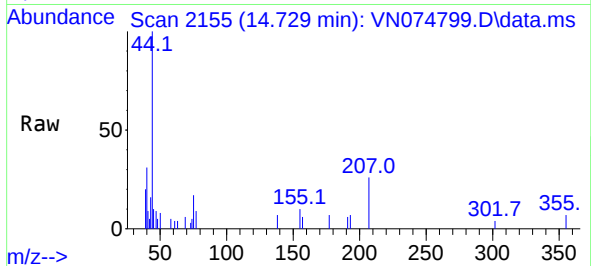




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.619 ug/l
RT: 14.729 min Scan# 2154
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

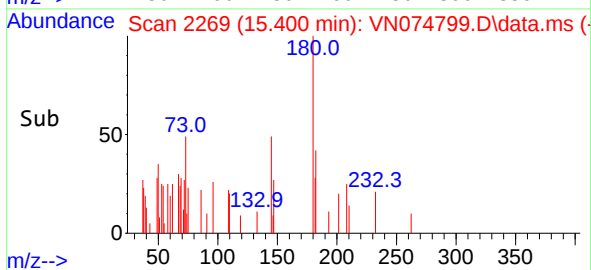
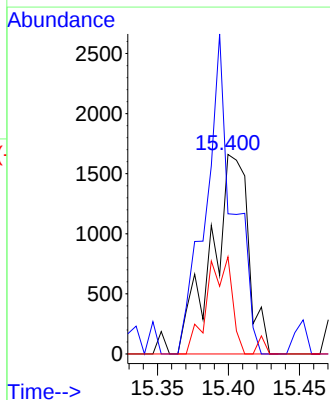
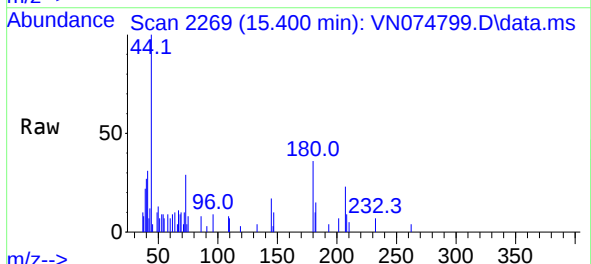
Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

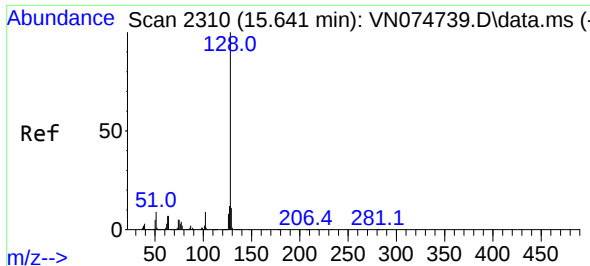
Tgt Ion: 75 Resp: 1140
Ion Ratio Lower Upper
75 100
155 54.5 40.3 120.8
157 24.0 51.3 153.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.802 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion:180 Resp: 2975
Ion Ratio Lower Upper
180 100
182 121.1 48.5 145.5
145 32.7 16.1 48.3

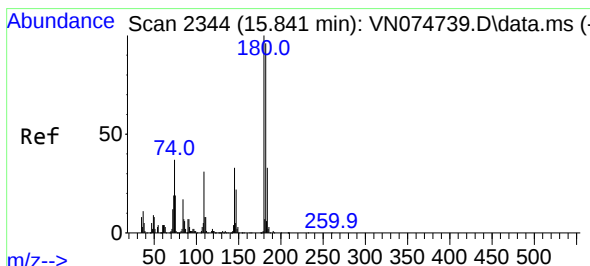
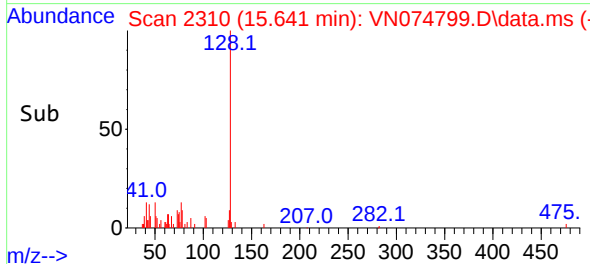
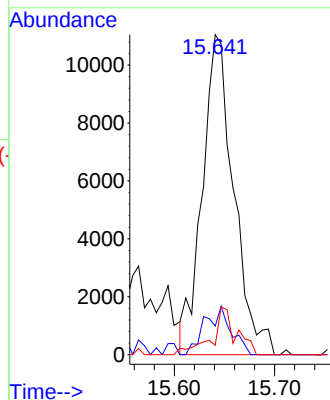
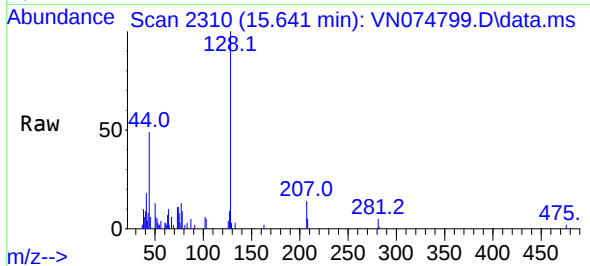




#95
Naphthalene
Concen: 1.500 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Instrument :
MSVOA_N
ClientSampleId :
VN1007MBL01

Tgt Ion:128 Resp: 24063
Ion Ratio Lower Upper
128 100
127 6.3 10.2 15.2#
129 11.3 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 0.444 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN074799.D
Acq: 07 Oct 2022 09:58

Tgt Ion:180 Resp: 4974
Ion Ratio Lower Upper
180 100
182 86.4 47.3 142.0
145 15.3 17.1 51.2#

