

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073428.D
 Acq On : 12 Jul 2022 10:39
 Operator : JC\MD
 Sample : VN0712MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712MBL01

Quant Time: Jul 13 06:16:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

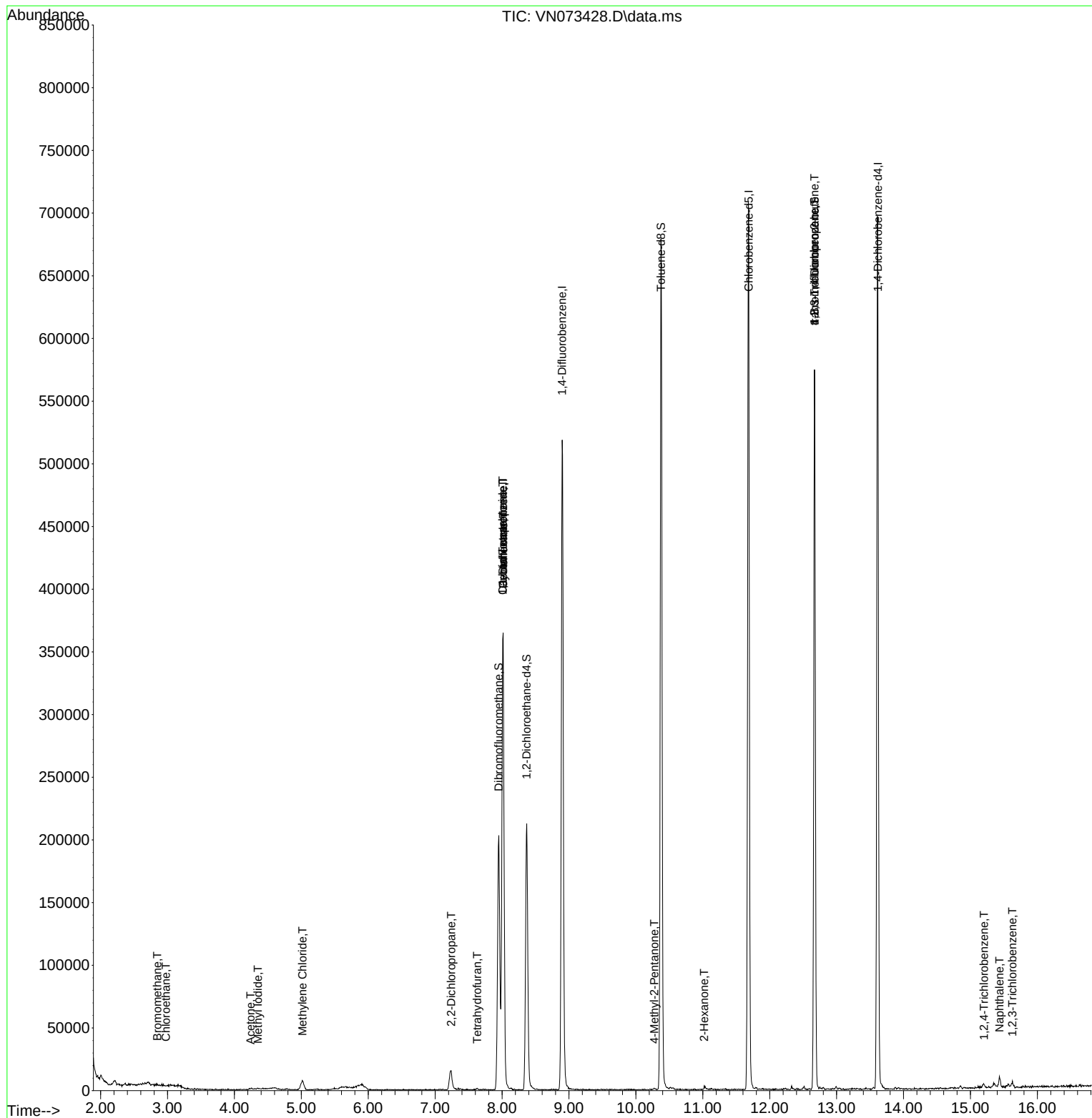
Internal Standards						
1) Pentafluorobenzene	8.016	168	269960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	454913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	407005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	189024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179983	46.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.360%		
35) Dibromofluoromethane	7.951	113	147758	48.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	10.374	98	472642	43.969	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.940%		
62) 4-Bromofluorobenzene	12.668	95	198740	48.110	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.220%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.845	94	459	0.298	ug/l #	79
6) Chloroethane	2.975	64	425	0.222	ug/l #	42
10) Methyl Iodide	4.351	142	428	3.822	ug/l #	44
16) Acetone	4.240	43	1948	0.890	ug/l #	42
20) Methylene Chloride	5.016	84	5476	1.424	ug/l #	83
26) 2,2-Dichloropropane	7.239	77	1214	0.203	ug/l #	53
29) Tetrahydrofuran	7.628	42	572	0.240	ug/l #	53
31) Cyclohexane	8.016	56	6555	1.027	ug/l #	28
36) 1,1-Dichloropropene	8.010	75	22875	4.912	ug/l #	49
38) Carbon Tetrachloride	8.010	117	28111	5.837	ug/l #	17
51) 4-Methyl-2-Pentanone	10.274	43	1317	0.205	ug/l #	74
59) 2-Hexanone	11.021	43	1025	0.210	ug/l	67
76) 1,2,3-Trichloropropane	12.668	75	106702	21.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	106702	59.205	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.204	180	1369	0.379	ug/l	94
95) Naphthalene	15.433	128	8521	0.585	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.627	180	1743	0.468	ug/l	95

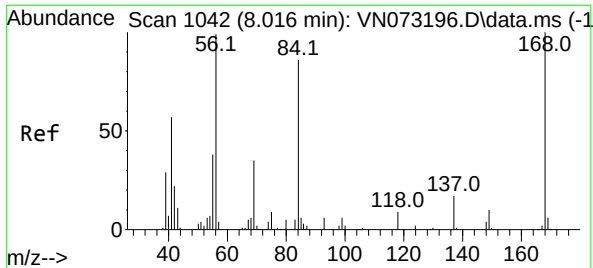
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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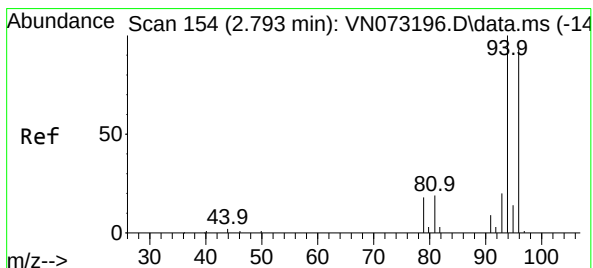
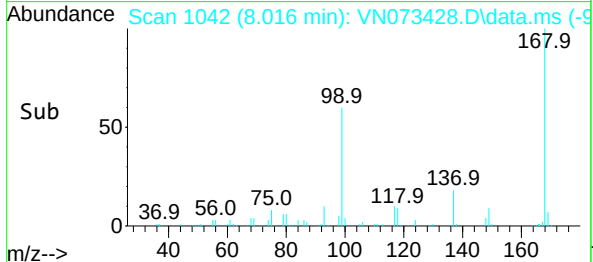
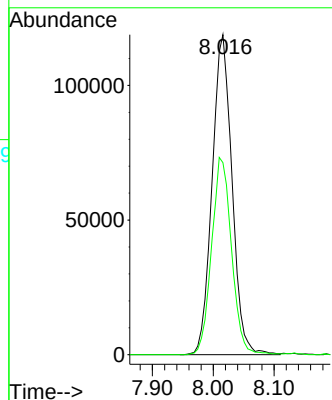
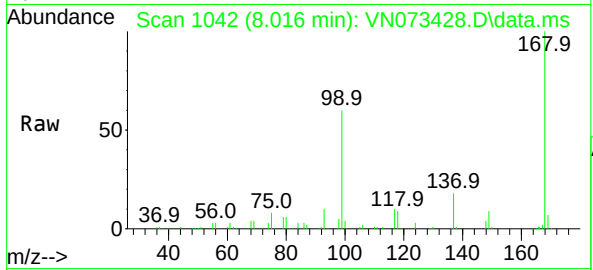




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

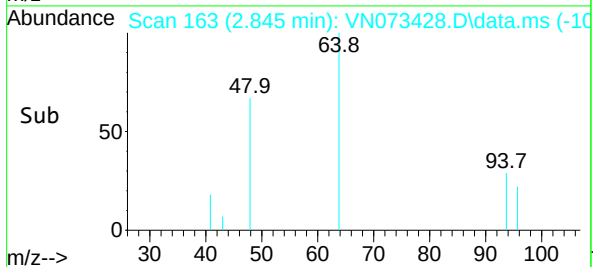
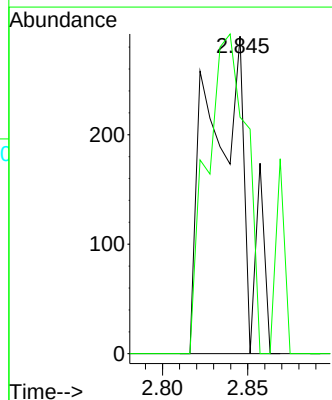
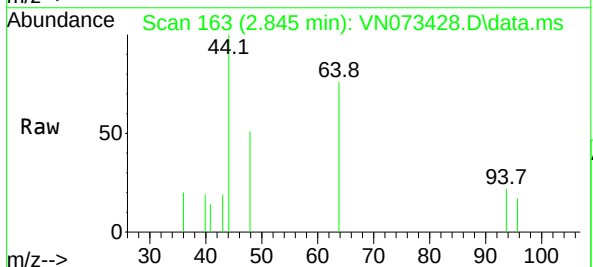
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

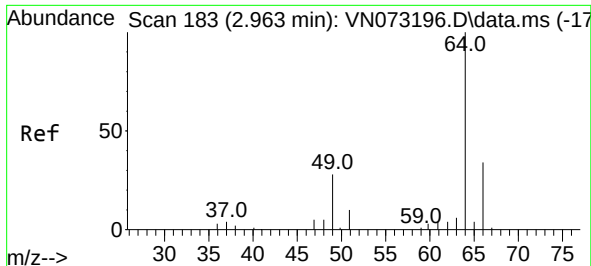
Tgt Ion:168 Resp: 269960
Ion Ratio Lower Upper
168 100
99 60.0 42.3 63.5



#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.845 min Scan# 163
Delta R.T. 0.052 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 74.5 76.0 114.0#

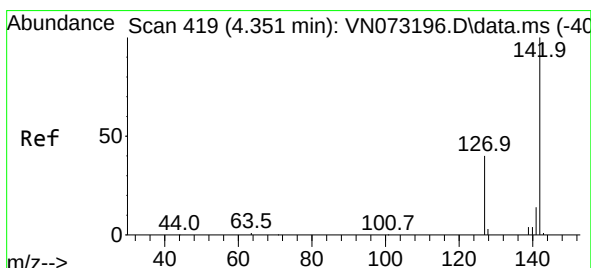
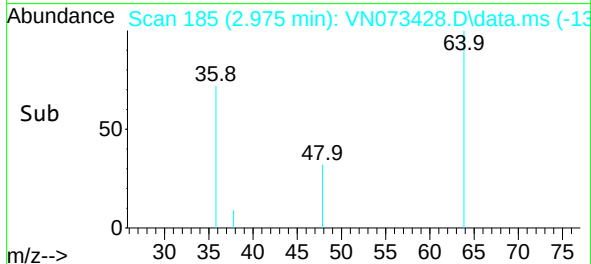
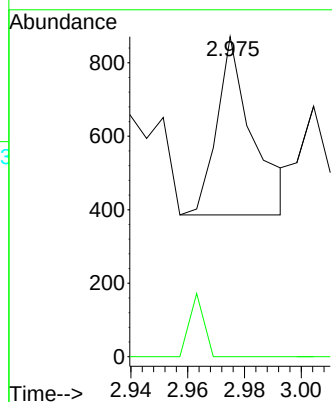
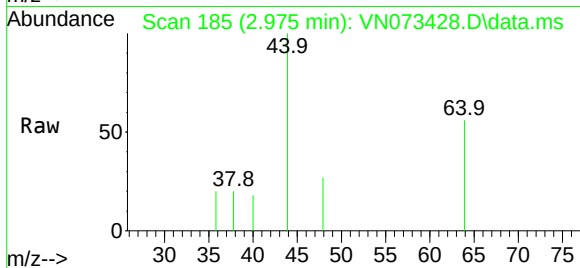




#6
Chloroethane
Concen: 0.222 ug/l
RT: 2.975 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

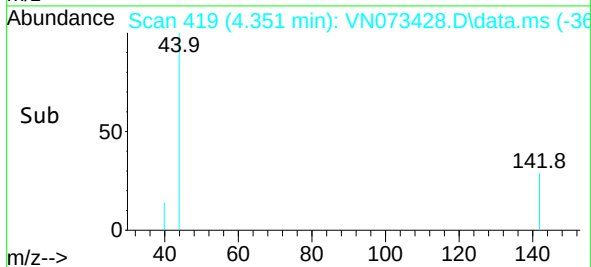
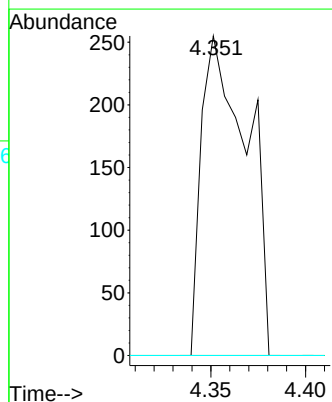
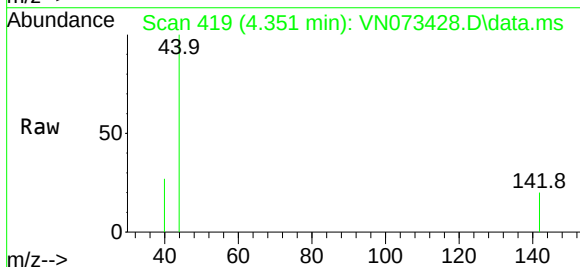
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

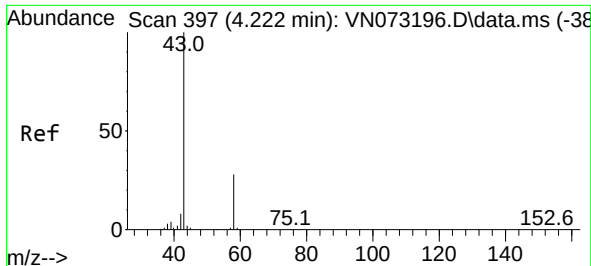
Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.822 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 142 Resp: 428
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

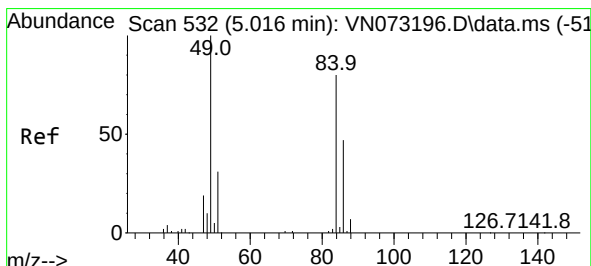
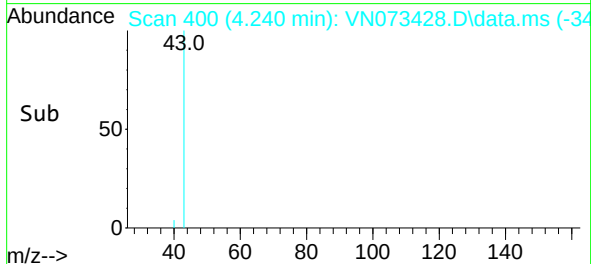
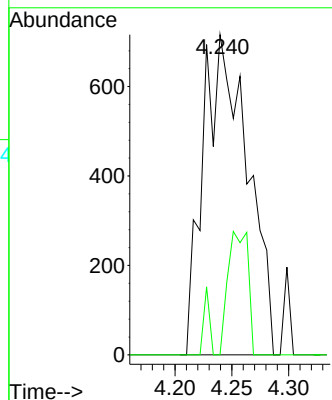
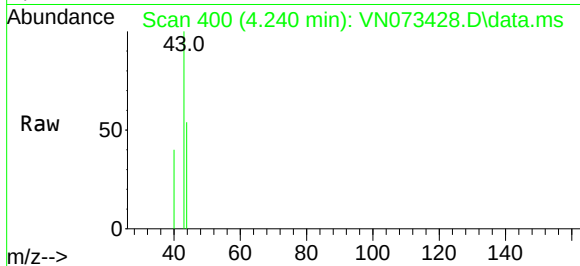




#16
Acetone
Concen: 0.890 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.018 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

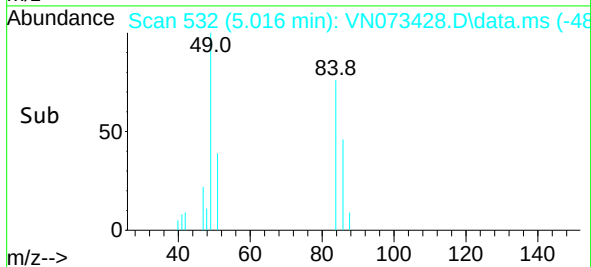
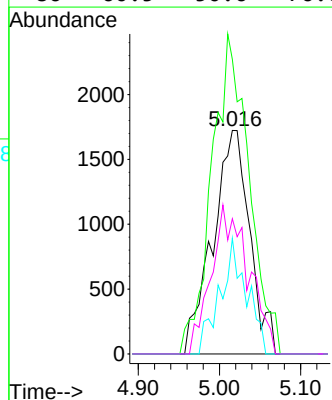
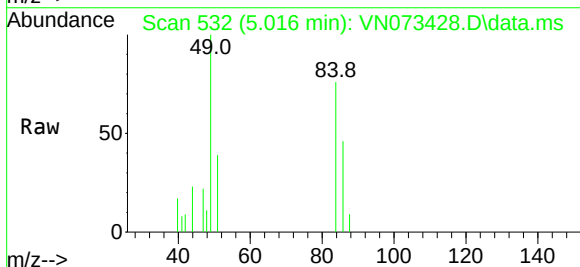
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

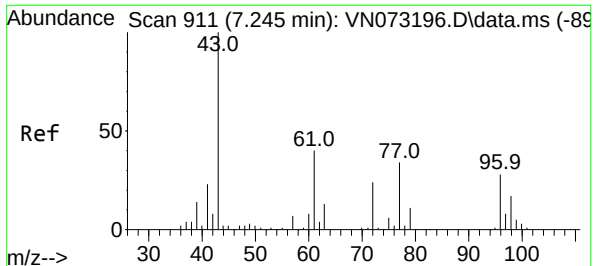
Tgt Ion: 43 Resp: 1948
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#20
Methylene Chloride
Concen: 1.424 ug/l
RT: 5.016 min Scan# 532
Delta R.T. -0.000 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 84 Resp: 5476
Ion Ratio Lower Upper
84 100
49 131.8 88.3 132.5
51 51.8 28.2 42.2#
86 60.5 50.6 76.0





#26

2,2-Dichloropropane

Concen: 0.203 ug/l

RT: 7.239 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

Instrument :

MSVOA_N

ClientSampleId :

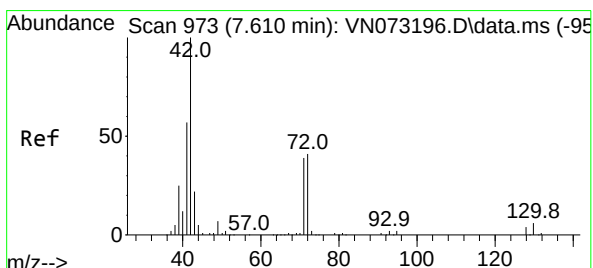
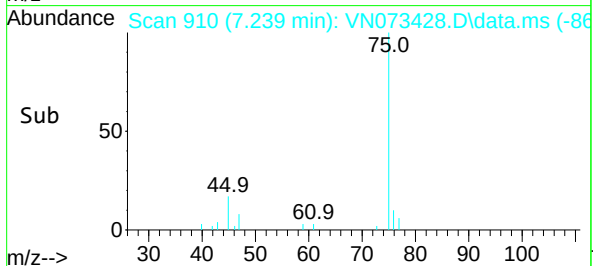
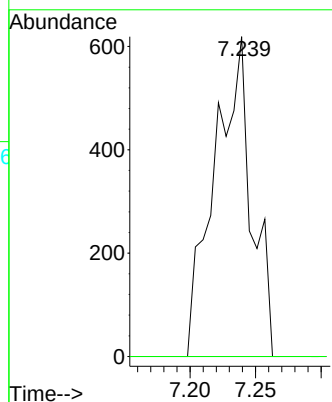
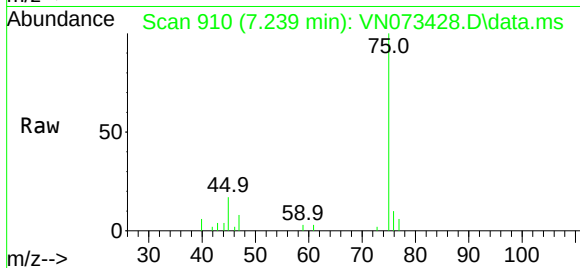
VN0712MBL01

Tgt Ion: 77 Resp: 1214

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

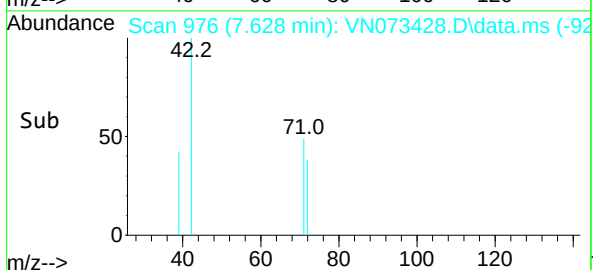
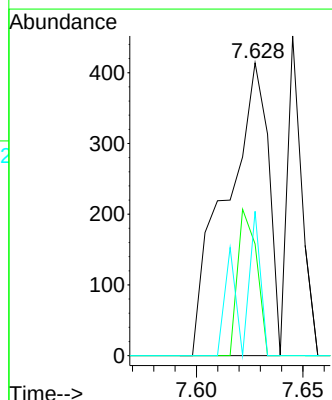
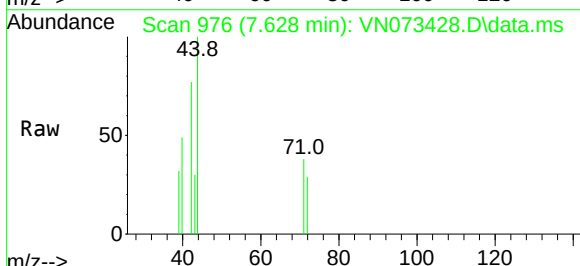
Tgt Ion: 42 Resp: 572

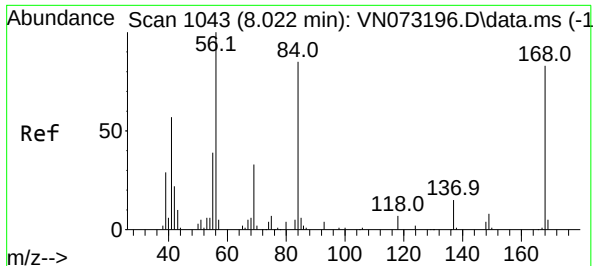
Ion Ratio Lower Upper

42 100

72 22.6 39.7 59.5#

71 9.4 36.6 55.0#

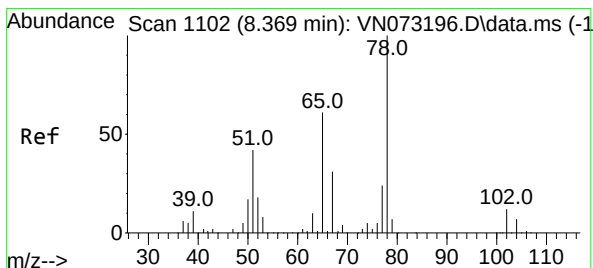
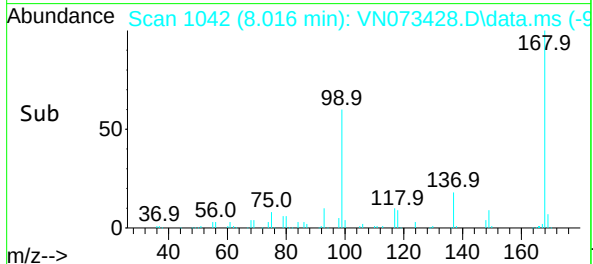
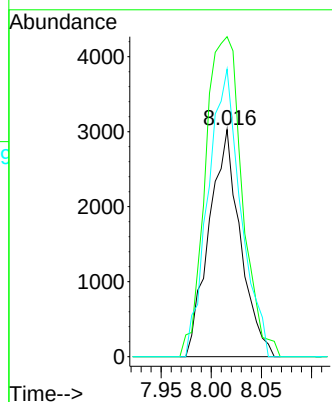
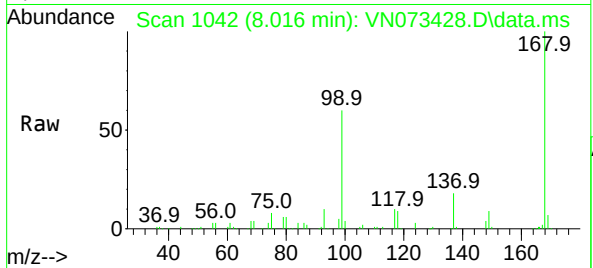




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

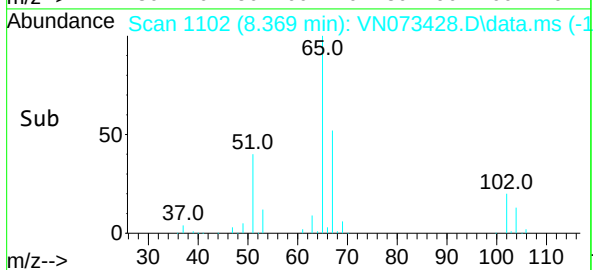
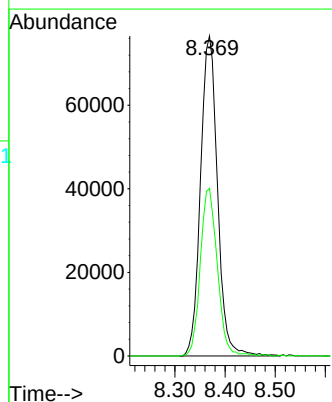
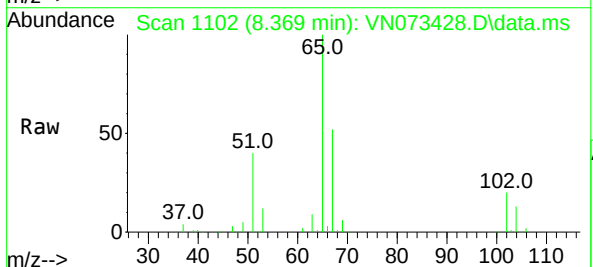
Instrument :
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VN0712MBL01

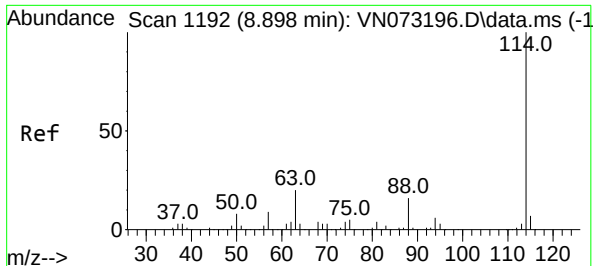
Tgt Ion: 56 Resp: 6555
Ion Ratio Lower Upper
56 100
69 140.8 27.8 41.8#
84 126.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.183 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 65 Resp: 179983
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN0712MBL01

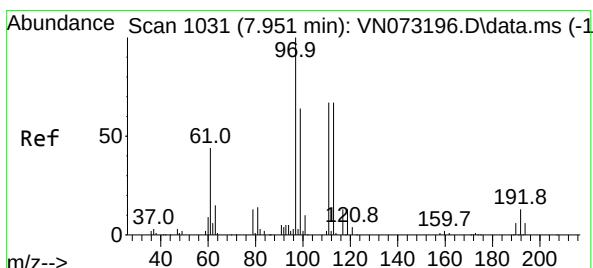
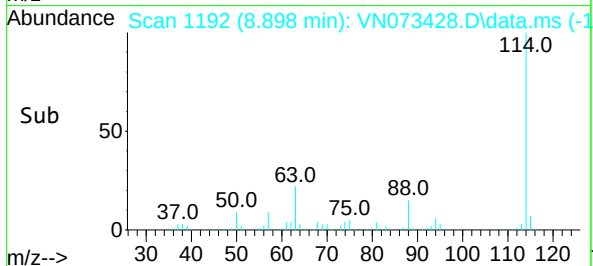
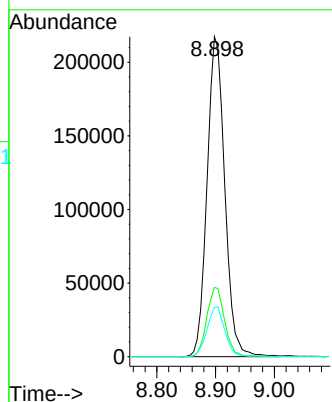
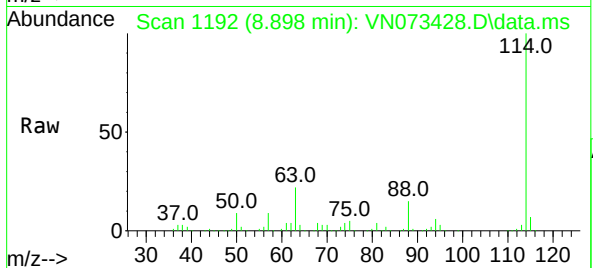
Tgt Ion:114 Resp: 454913

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.820 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

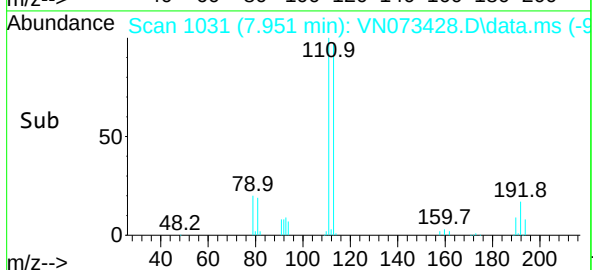
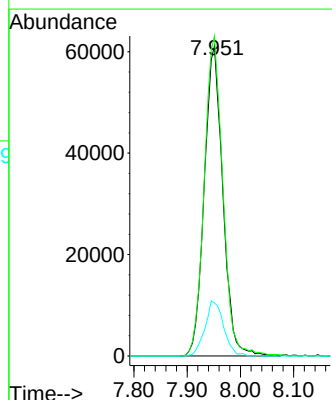
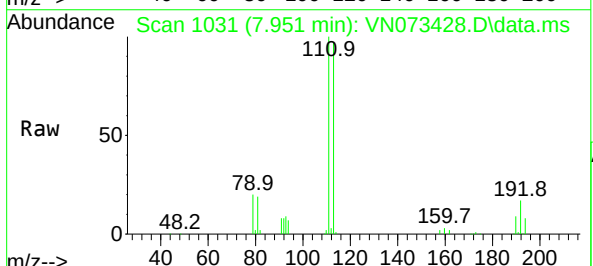
Tgt Ion:113 Resp: 147758

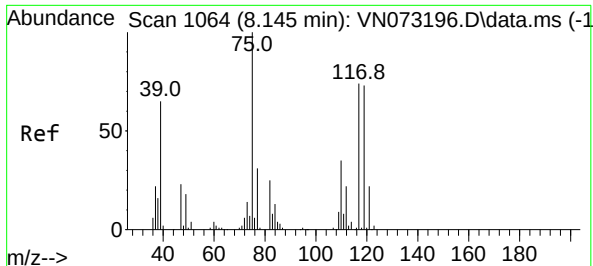
Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

192 17.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

Instrument :

MSVOA_N

ClientSampleId :

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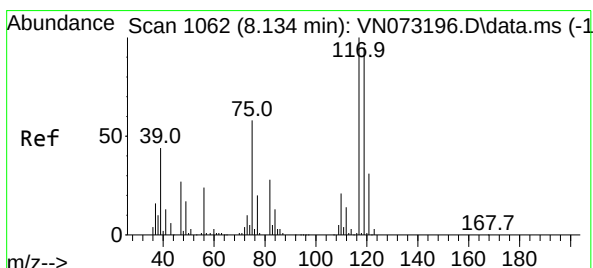
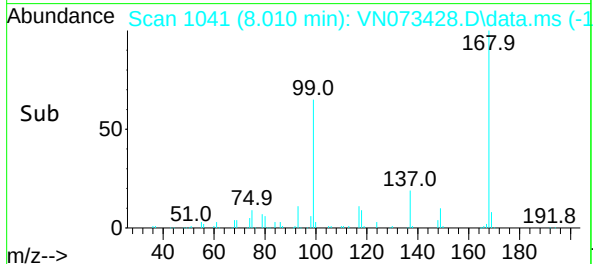
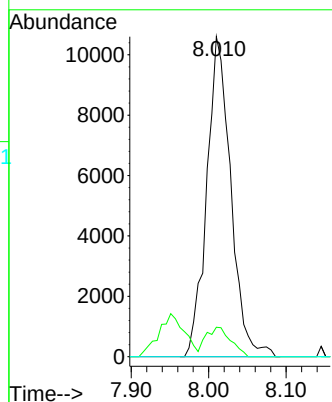
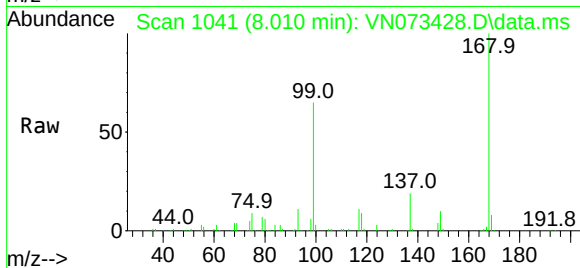
Tgt Ion: 75 Resp: 22875

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.124 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

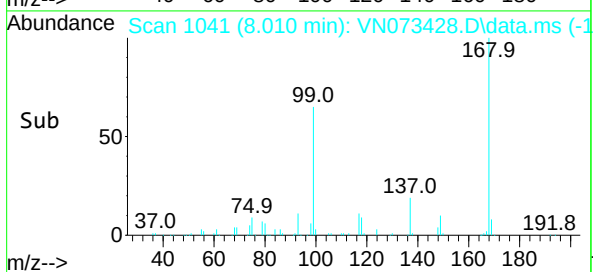
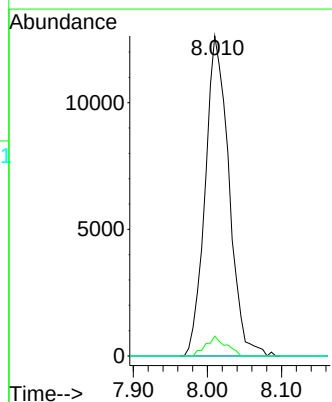
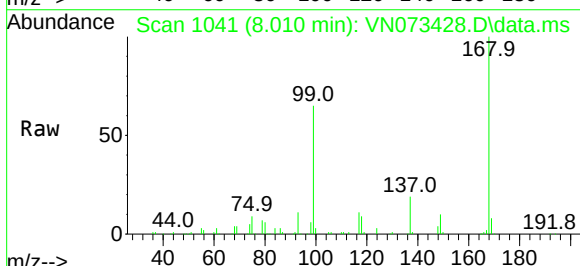
Tgt Ion: 117 Resp: 28111

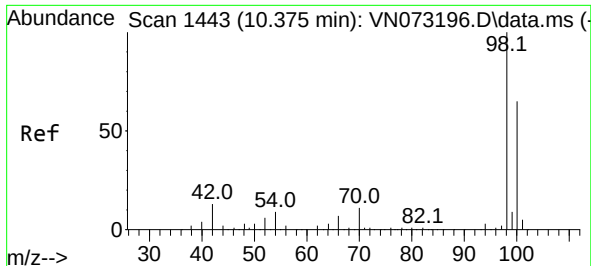
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

121 0.0 24.6 37.0#

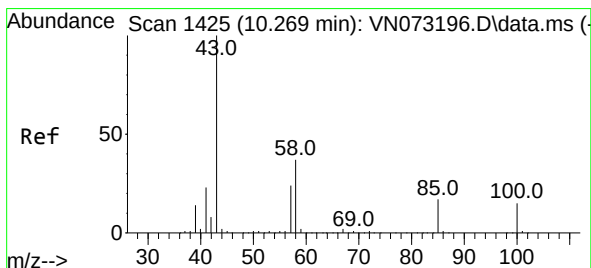
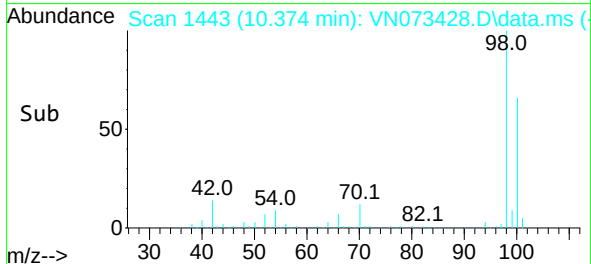
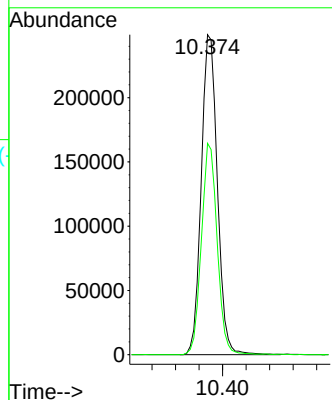
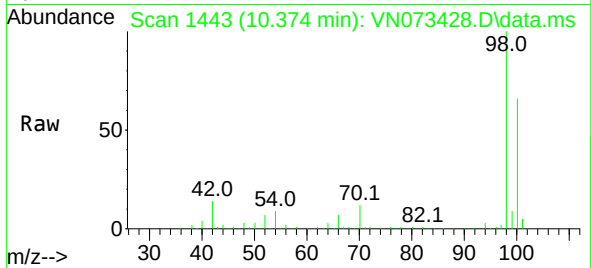




#50
Toluene-d8
Concen: 43.969 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

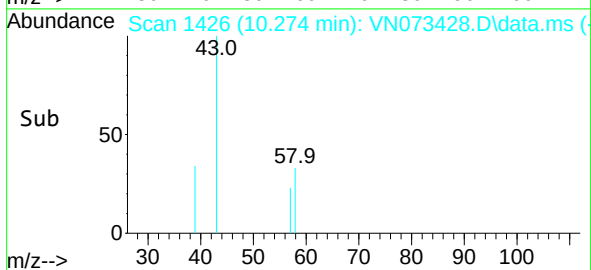
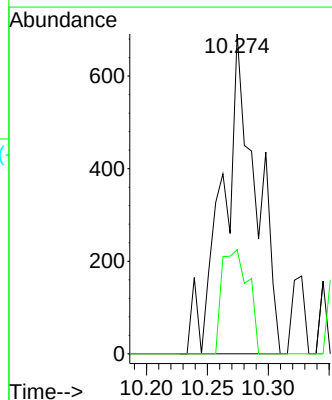
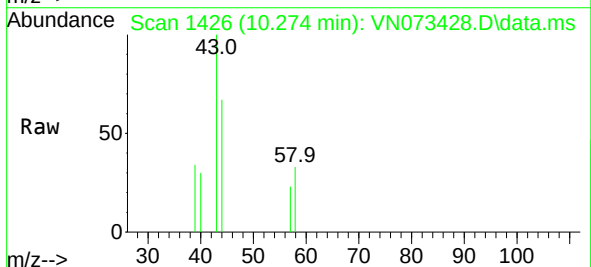
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

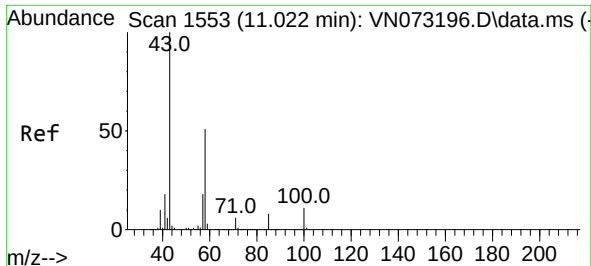
Tgt Ion: 98 Resp: 472642
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 25.7 34.1 51.1#

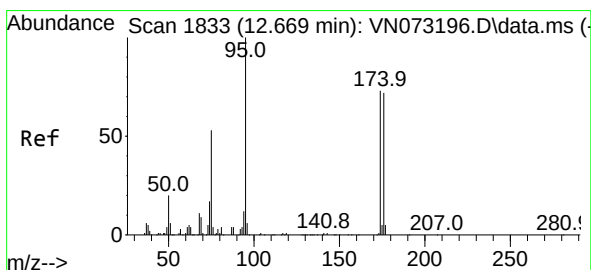
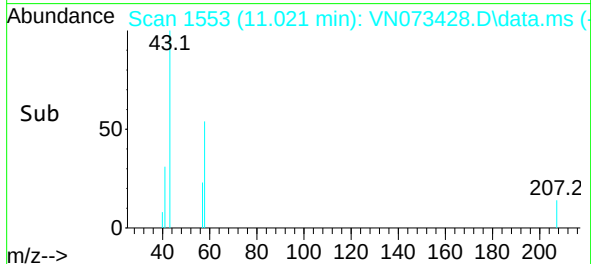
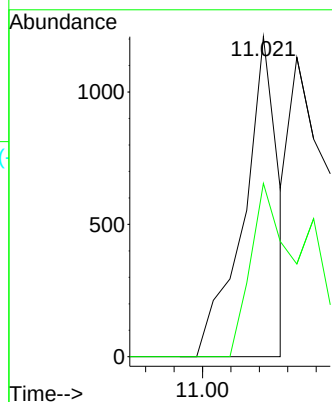
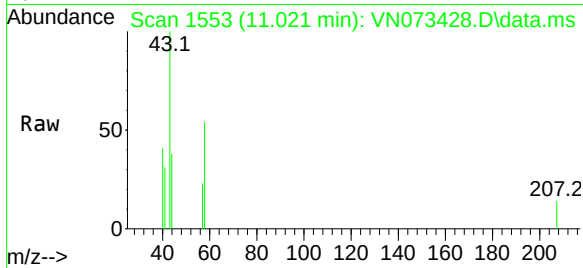




#59
2-Hexanone
Concen: 0.210 ug/l
RT: 11.021 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

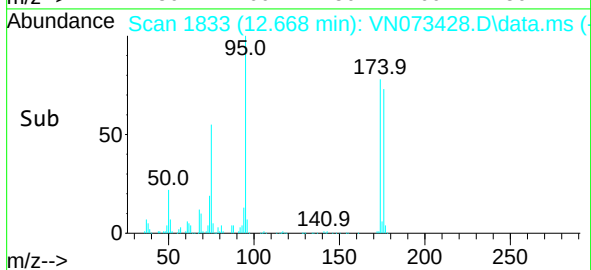
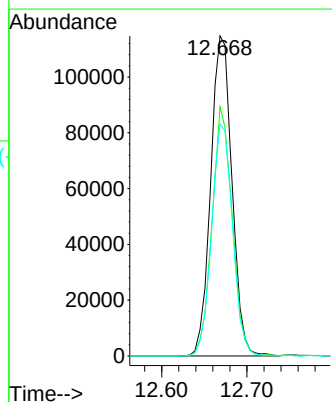
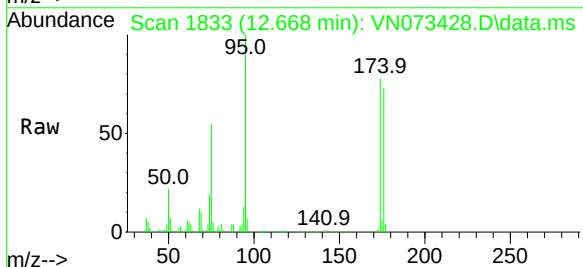
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

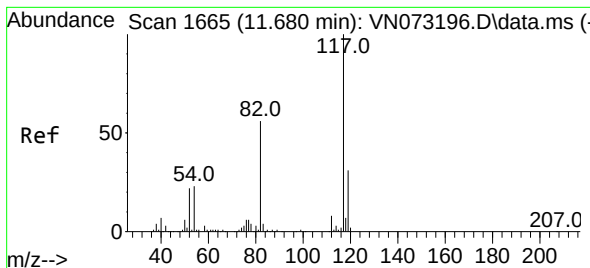
Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
58 83.9 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.110 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 95 Resp: 198740
Ion Ratio Lower Upper
95 100
174 74.0 0.0 167.6
176 71.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN0712MBL01

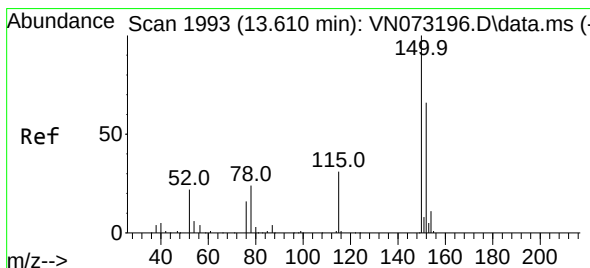
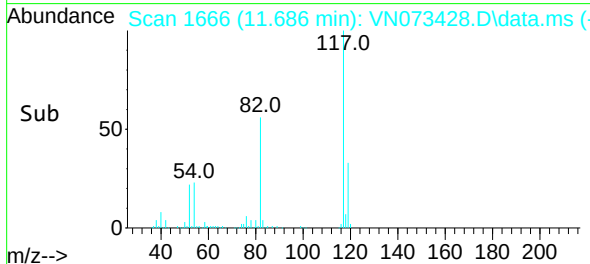
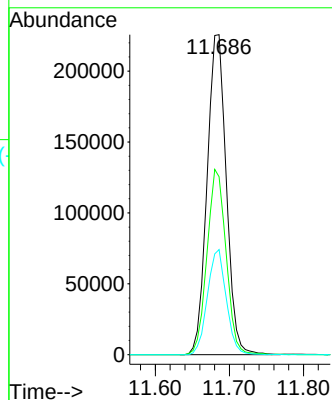
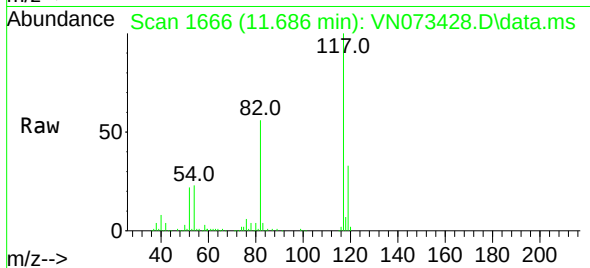
Tgt Ion:117 Resp: 407005

Ion Ratio Lower Upper

117 100

82 55.6 44.2 66.2

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN073428.D

Acq: 12 Jul 2022 10:39

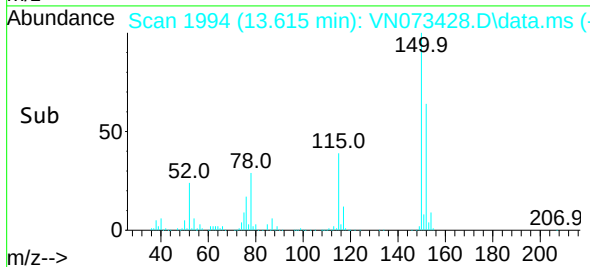
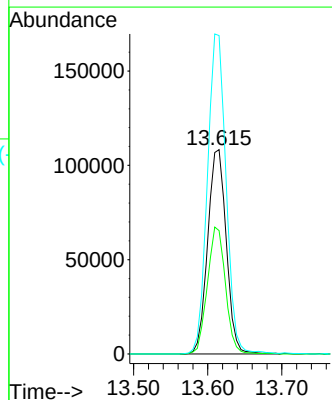
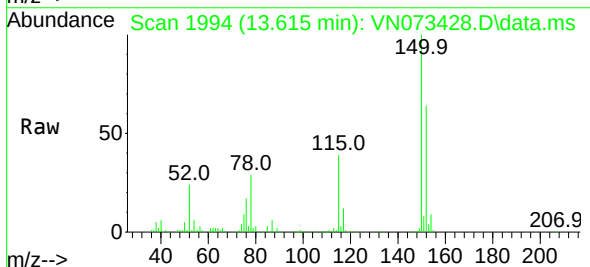
Tgt Ion:152 Resp: 189024

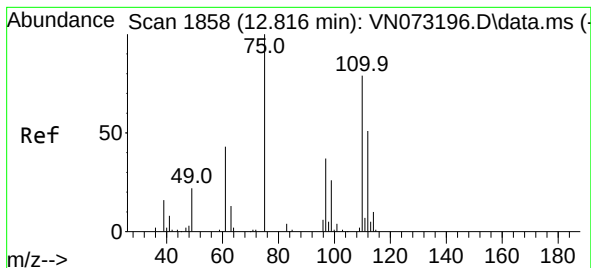
Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 156.8 0.0 356.2

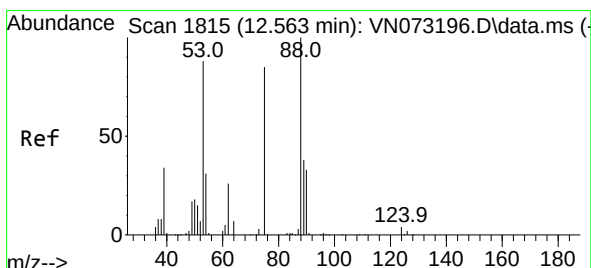
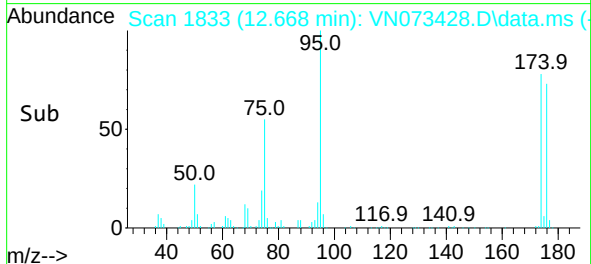
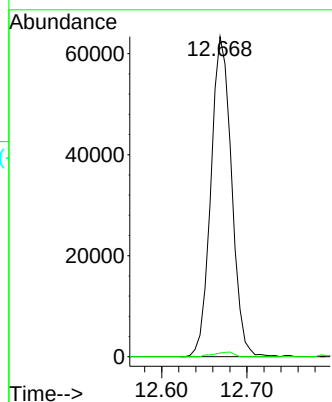
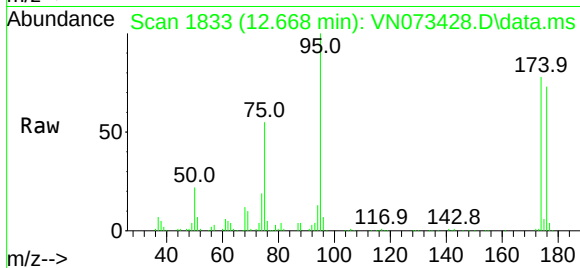




#76
1,2,3-Trichloropropane
Concen: 21.588 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

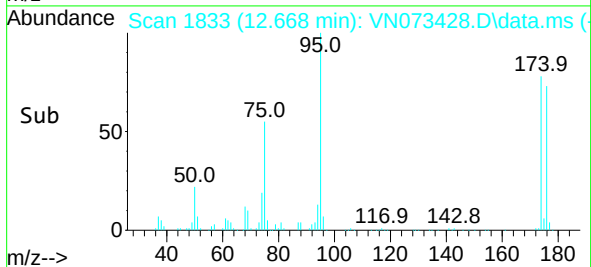
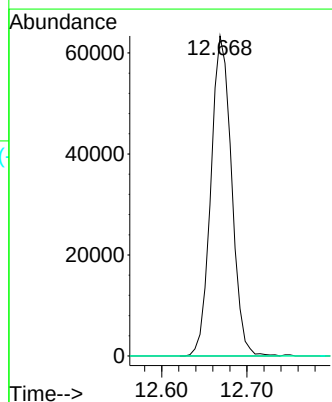
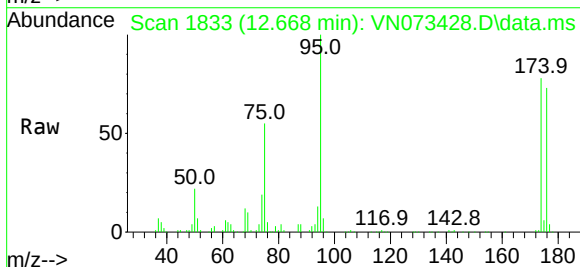
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

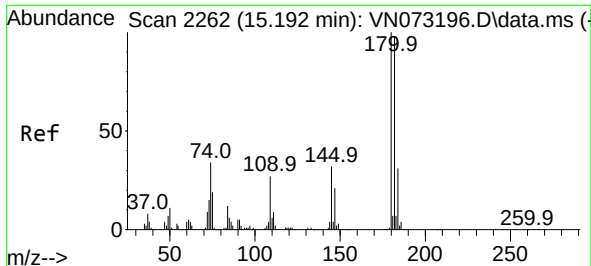
Tgt Ion: 75 Resp: 106702
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.205 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

Tgt Ion: 75 Resp: 106702
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

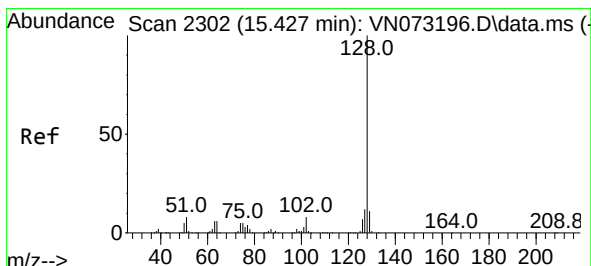
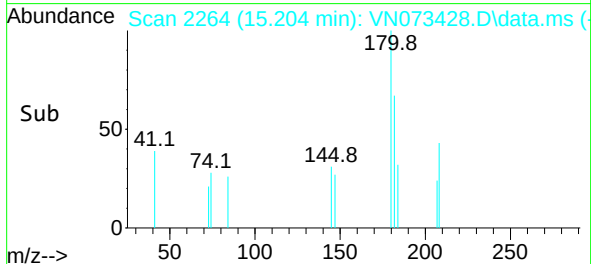
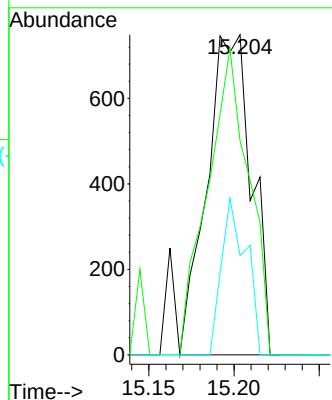
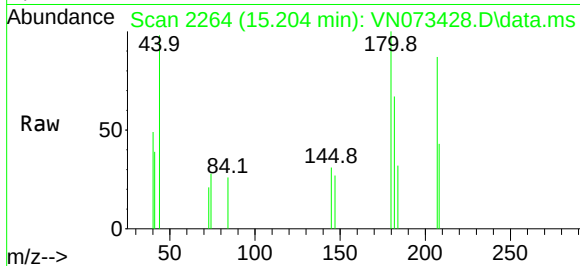




#93
1,2,4-Trichlorobenzene
Concen: 0.379 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

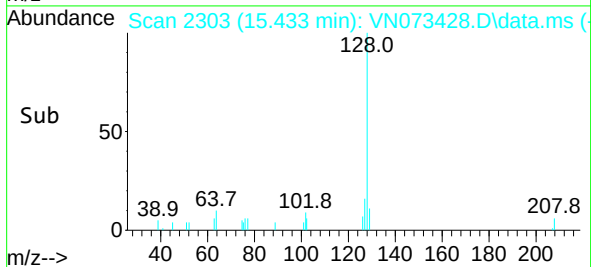
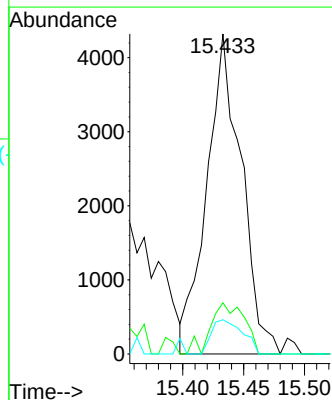
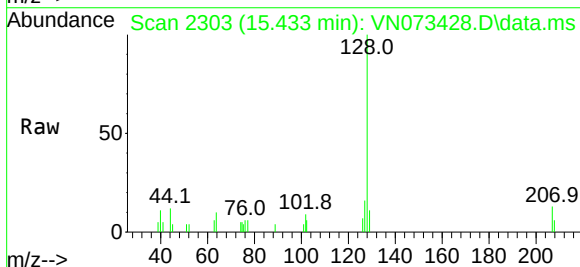
Instrument :
MSVOA_N
ClientSampleId :
VN0712MBL01

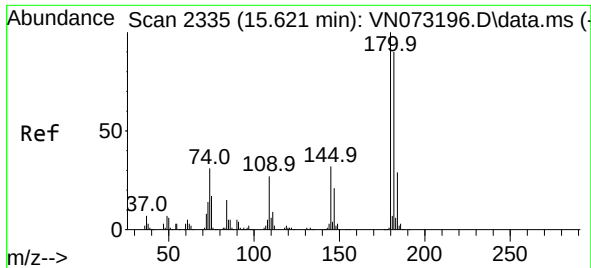
Tgt Ion:180 Resp: 1369
Ion Ratio Lower Upper
180 100
182 88.2 47.5 142.5
145 27.0 14.5 43.5



#95
Naphthalene
Concen: 0.585 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073428.D
Acq: 12 Jul 2022 10:39

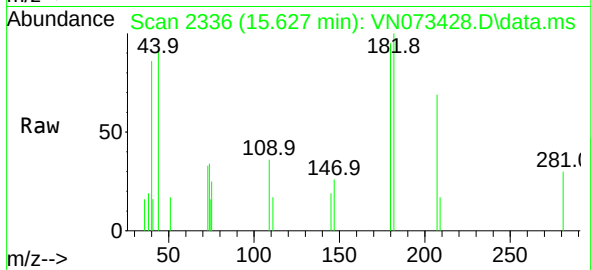
Tgt Ion:128 Resp: 8521
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 9.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.468 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073428.D
 Acq: 12 Jul 2022 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712MBL01



Tgt Ion:	180	Resp:	1743
Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.8	143.3
145	30.6	15.5	46.5

