

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073548.D
 Acq On : 21 Jul 2022 11:45
 Operator : JC\MD
 Sample : VN0721MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01

Quant Time: Jul 21 15:48:24 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)

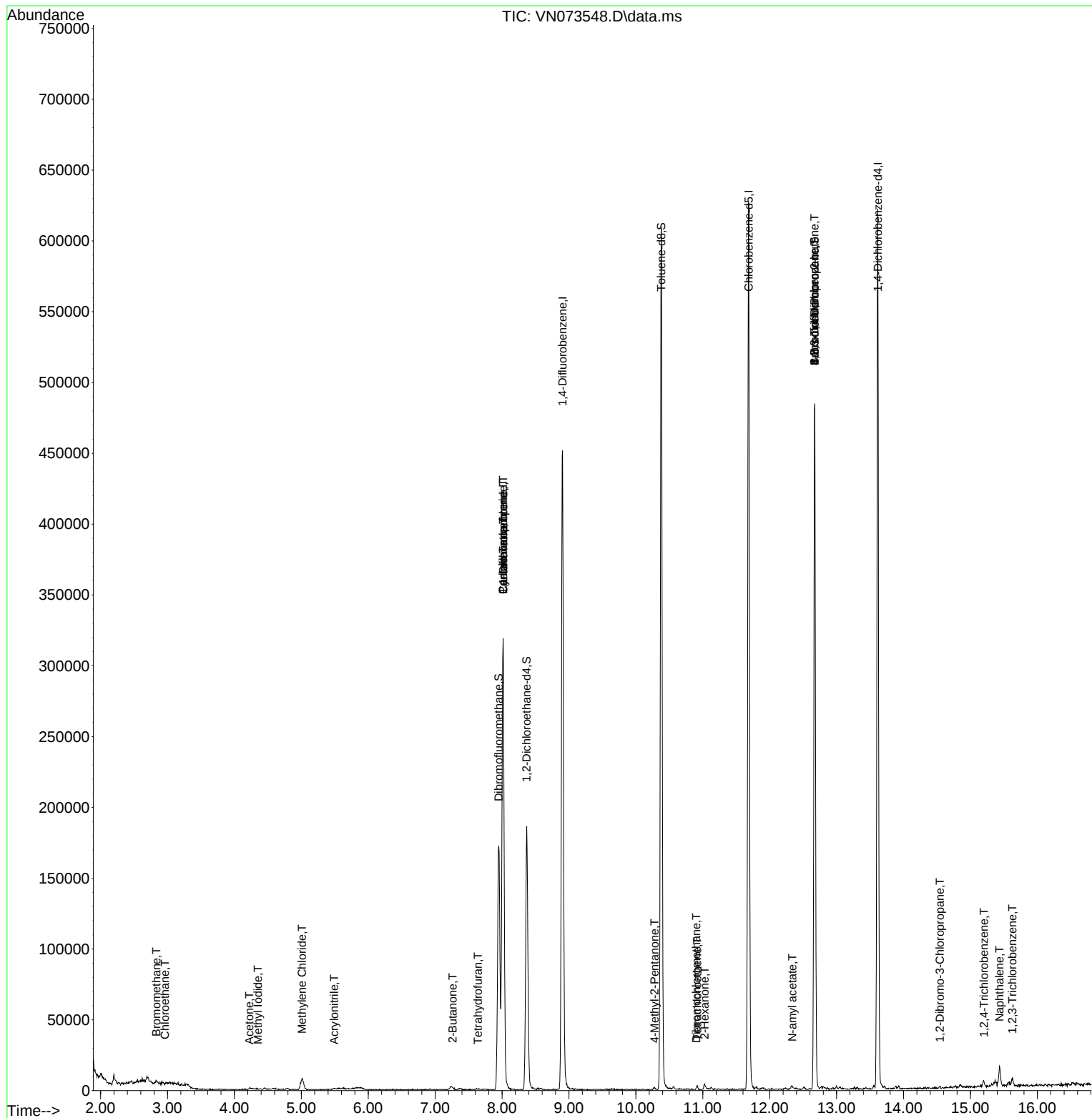
Internal Standards						
1) Pentafluorobenzene	8.016	168	249414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	394300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	359470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	161617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	151166	41.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.960%
35) Dibromofluoromethane	7.951	113	132141	50.371	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	10.380	98	415006	44.542	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.080%
62) 4-Bromofluorobenzene	12.669	95	166055	46.377	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	1373	0.966	ug/l #	67
6) Chloroethane	2.963	64	566	0.320	ug/l #	42
10) Methyl Iodide	4.351	142	144	3.768	ug/l #	44
15) Acrylonitrile	5.493	53	476	0.212	ug/l #	40
16) Acetone	4.222	43	1023	0.506	ug/l #	42
20) Methylene Chloride	5.010	84	6109	1.720	ug/l	85
25) 2-Butanone	7.263	43	834	0.259	ug/l #	45
29) Tetrahydrofuran	7.639	42	756	0.343	ug/l #	29
31) Cyclohexane	8.016	56	5468	0.927	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	19256	4.770	ug/l #	51
38) Carbon Tetrachloride	8.016	117	25021	5.994	ug/l #	16
51) 4-Methyl-2-Pentanone	10.280	43	1152	0.207	ug/l	95
59) 2-Hexanone	11.027	43	3055	0.721	ug/l	77
60) Dibromochloromethane	10.904	129	612	0.203	ug/l #	11
64) Tetrachloroethene	10.916	164	660	0.225	ug/l #	83
71) Bromoform	12.669	173	1050	0.480	ug/l #	28
74) N-amyl acetate	12.339	43	1544	0.221	ug/l #	76
76) 1,2,3-Trichloropropane	12.669	75	86926	20.570	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	86926	56.411	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.545	75	261	0.232	ug/l	82
93) 1,2,4-Trichlorobenzene	15.204	180	2090	0.677	ug/l #	82
95) Naphthalene	15.433	128	13593	1.091	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	2509	0.788	ug/l	78

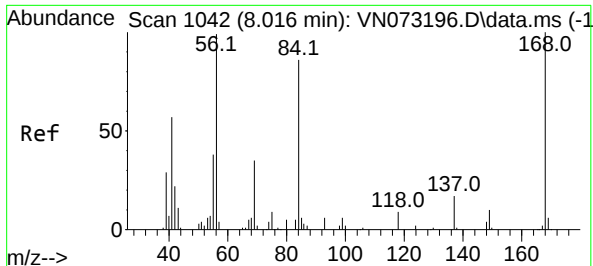
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

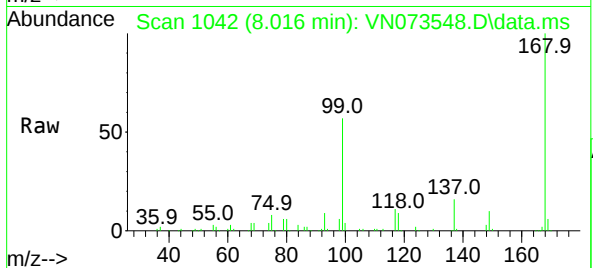
Quant Time: Jul 21 15:48:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
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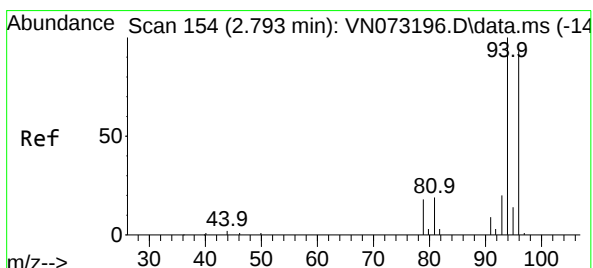
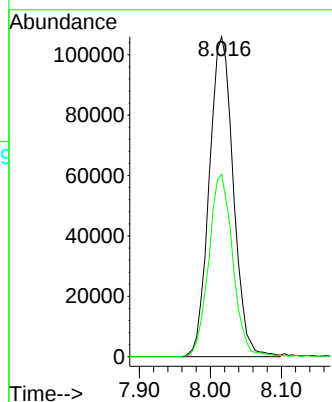
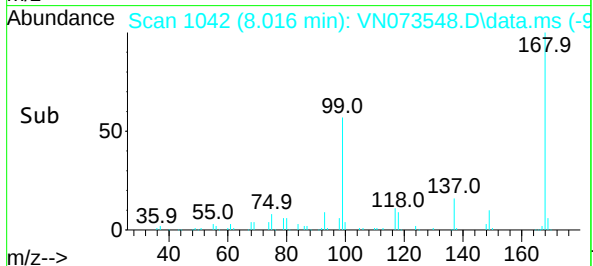


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

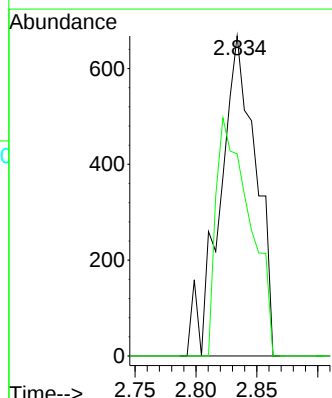
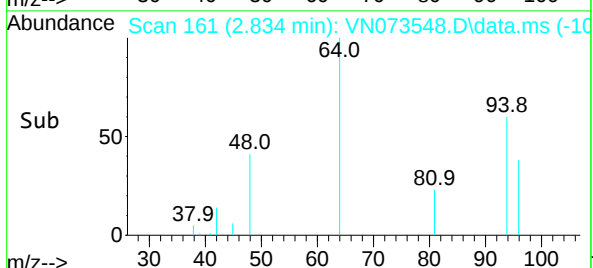
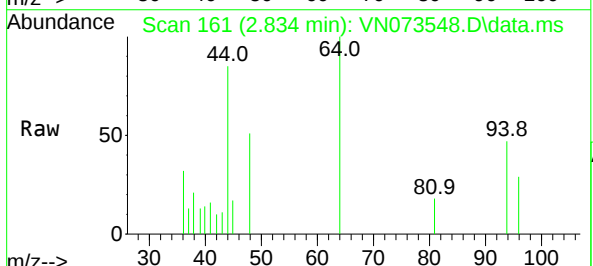


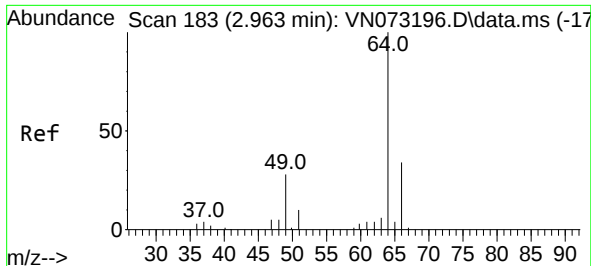
Tgt Ion:168 Resp: 249414
Ion Ratio Lower Upper
168 100
99 57.0 42.3 63.5



#5
Bromomethane
Concen: 0.966 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 94 Resp: 1373
Ion Ratio Lower Upper
94 100
96 63.2 76.0 114.0#

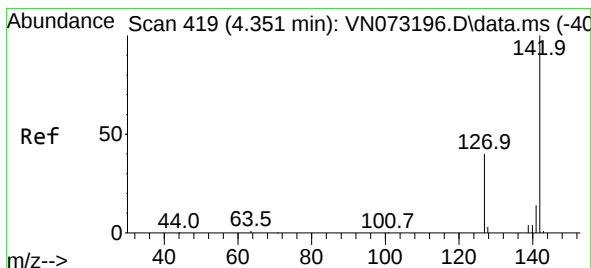
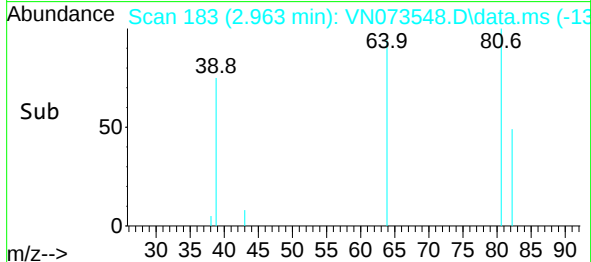
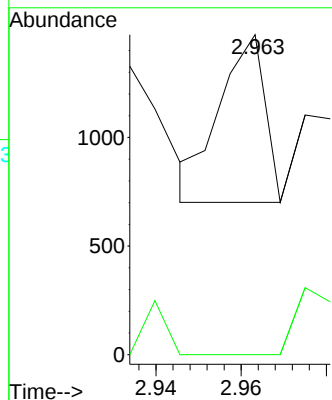
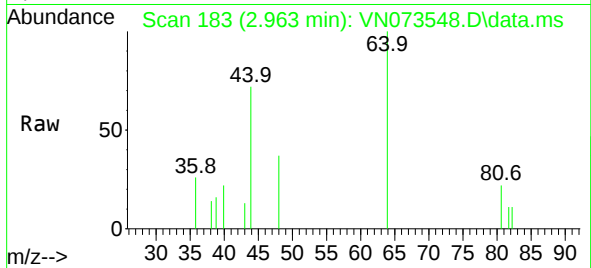




#6
Chloroethane
Concen: 0.320 ug/l
RT: 2.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

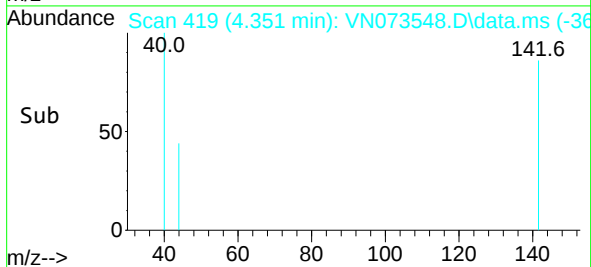
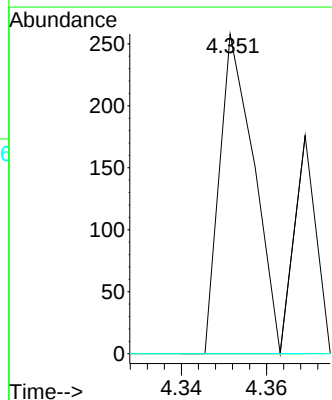
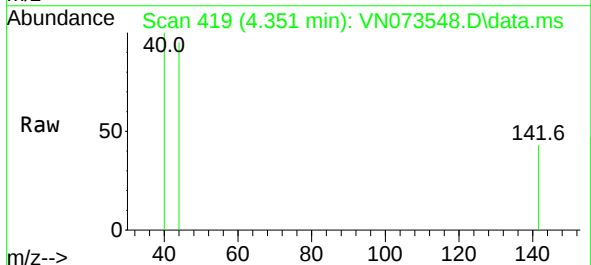
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

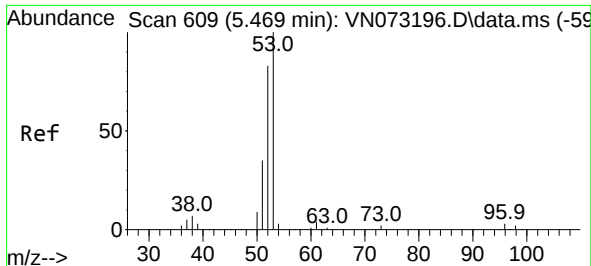
Tgt Ion: 64 Resp: 566
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.768 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 142 Resp: 144
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

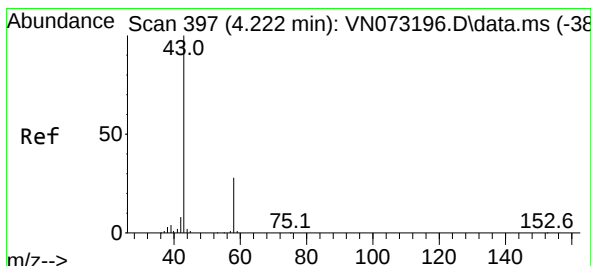
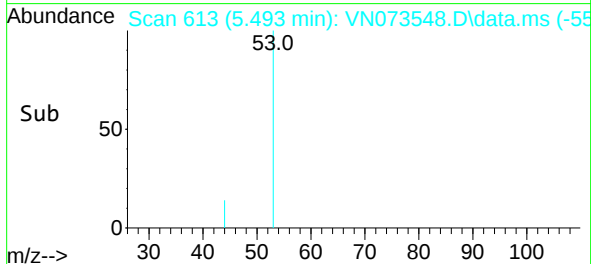
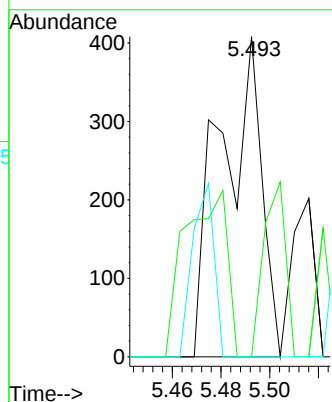
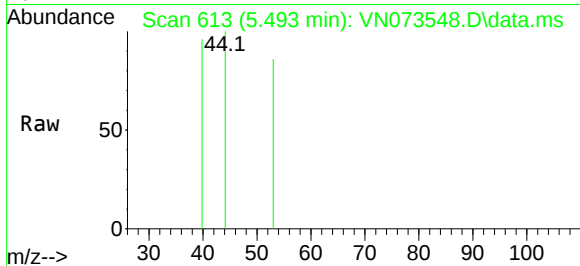




#15
Acrylonitrile
Concen: 0.212 ug/l
RT: 5.493 min Scan# 613
Delta R.T. 0.024 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

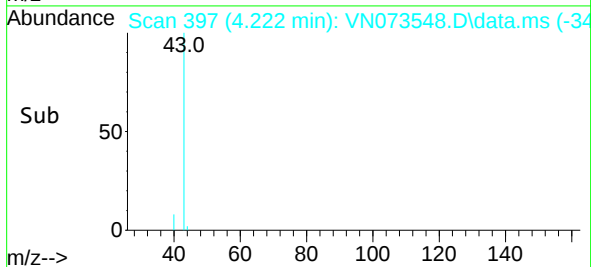
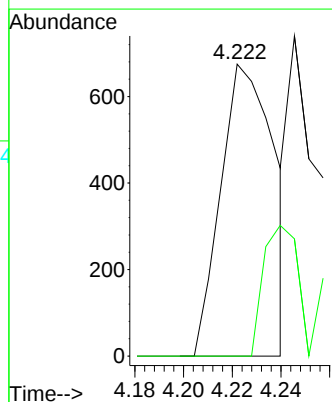
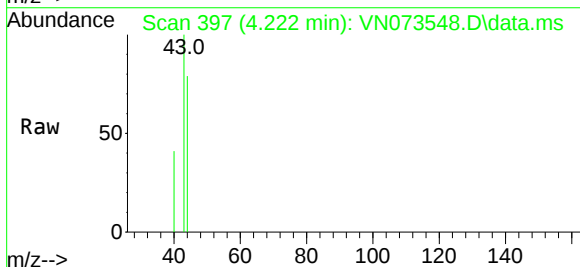
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

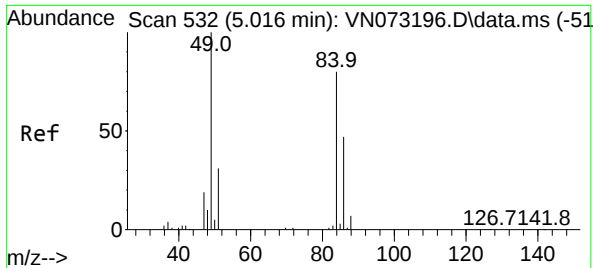
Tgt Ion: 53 Resp: 476
Ion Ratio Lower Upper
53 100
52 29.2 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 0.506 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

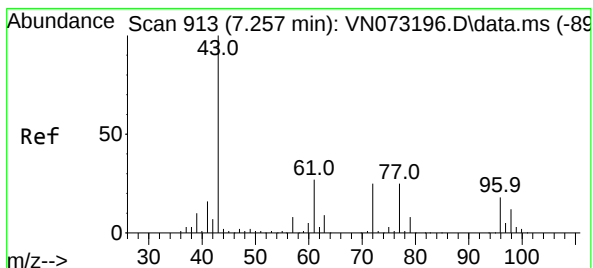
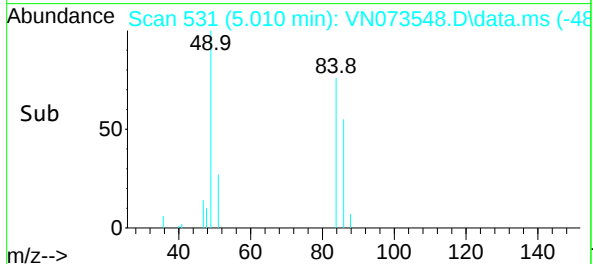
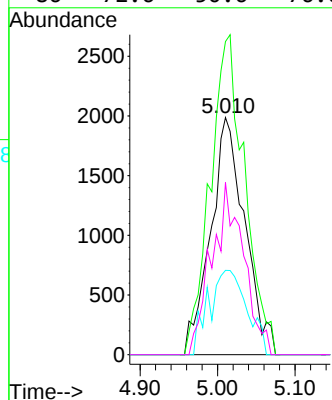
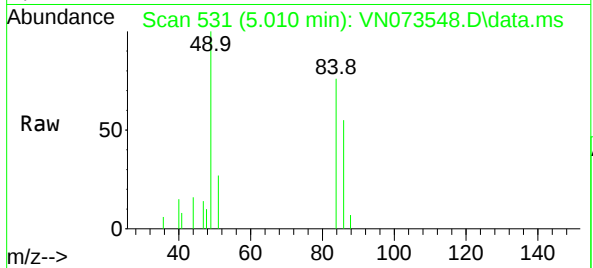




#20
Methylene Chloride
Concen: 1.720 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

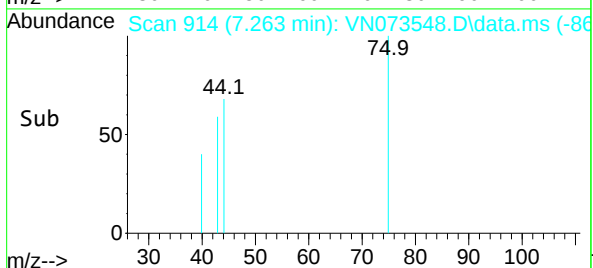
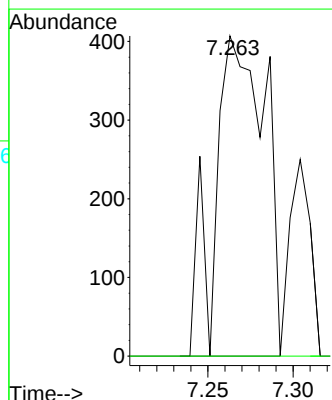
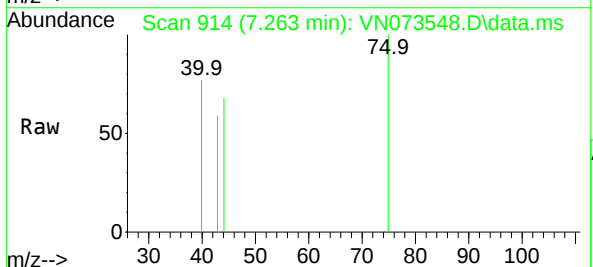
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

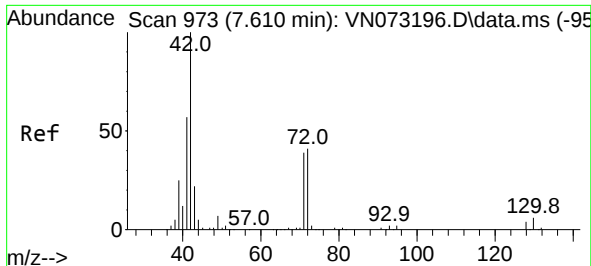
Tgt Ion:	84	Resp:	6109
Ion	Ratio	Lower	Upper
84	100		
49	132.1	88.3	132.5
51	35.6	28.2	42.2
86	72.6	50.6	76.0



#25
2-Butanone
Concen: 0.259 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion:	43	Resp:	834
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 7.639 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN073548.D

Acq: 21 Jul 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

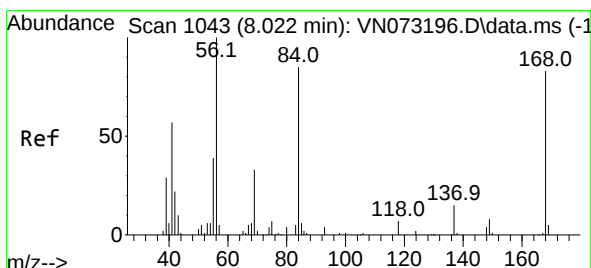
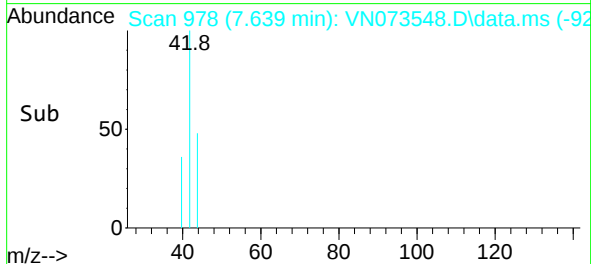
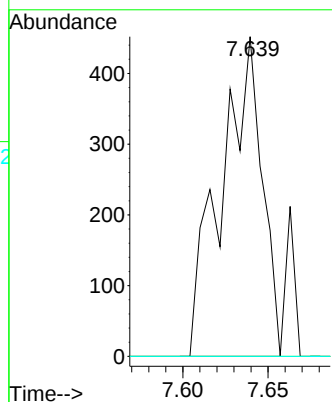
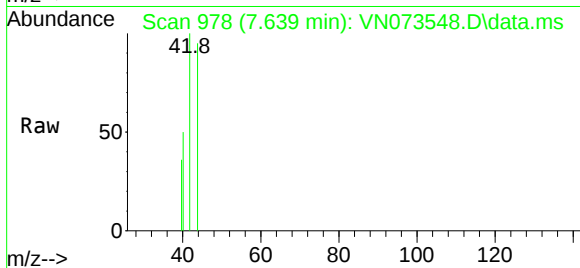
Tgt Ion: 42 Resp: 756

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073548.D

Acq: 21 Jul 2022 11:45

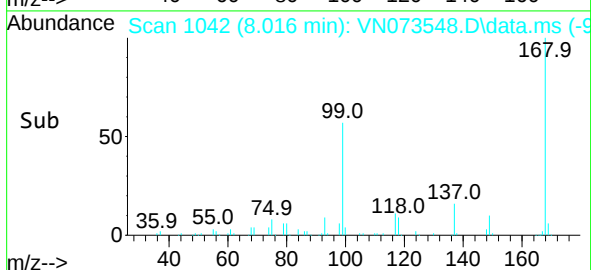
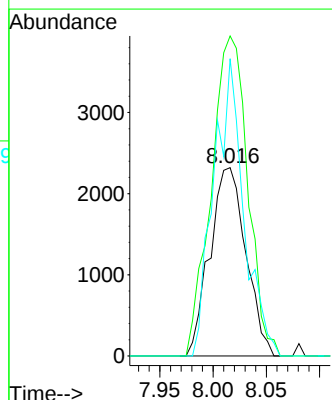
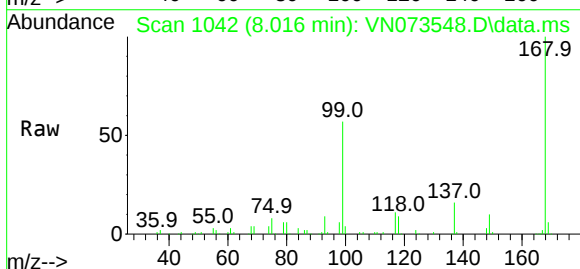
Tgt Ion: 56 Resp: 5468

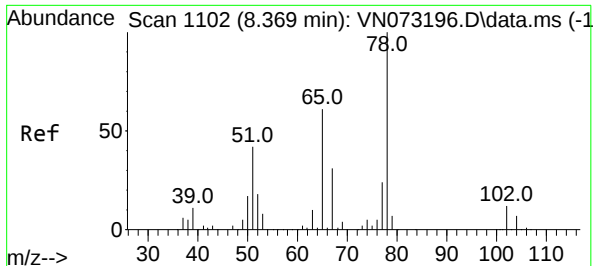
Ion Ratio Lower Upper

56 100

69 169.9 27.8 41.8#

84 157.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 41.984 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073548.D

Acq: 21 Jul 2022 11:45

Instrument :

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ClientSampleId :

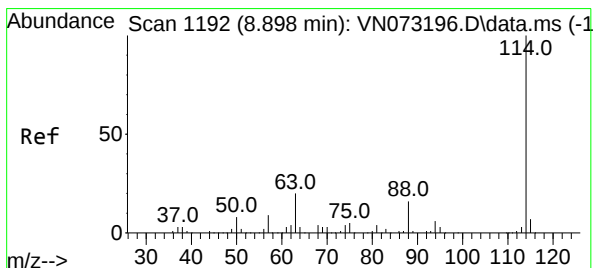
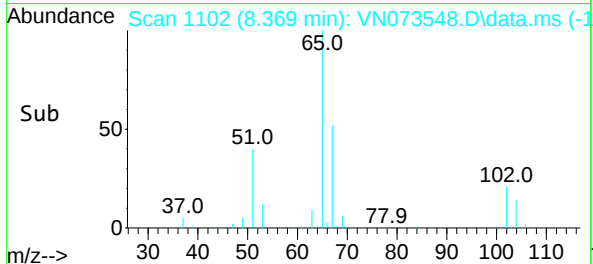
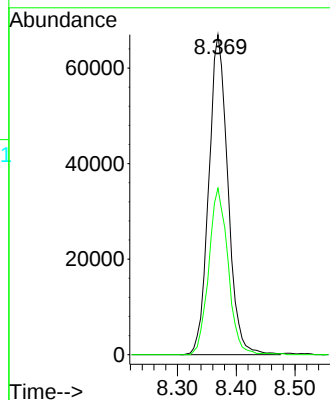
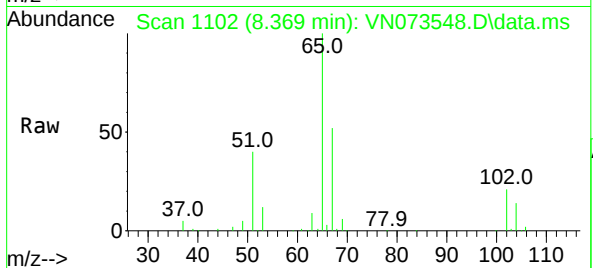
VN0721MBL01

Tgt Ion: 65 Resp: 151166

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073548.D

Acq: 21 Jul 2022 11:45

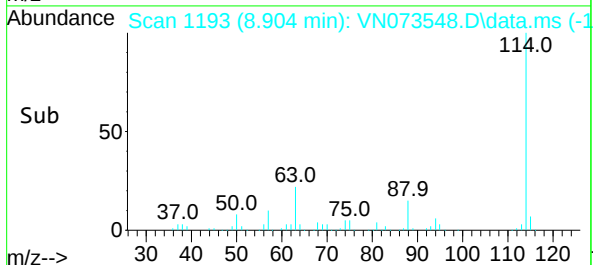
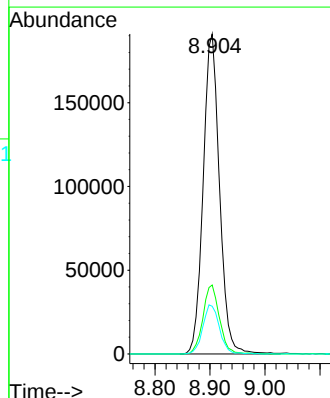
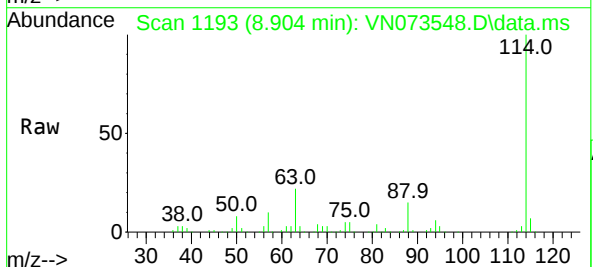
Tgt Ion: 114 Resp: 394300

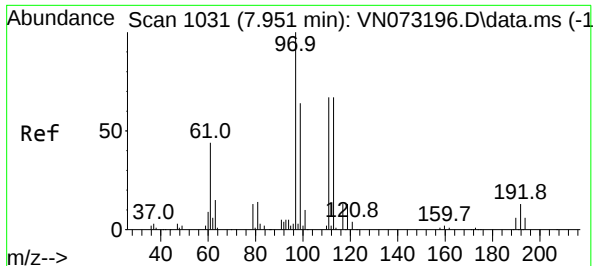
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 14.9 0.0 32.6

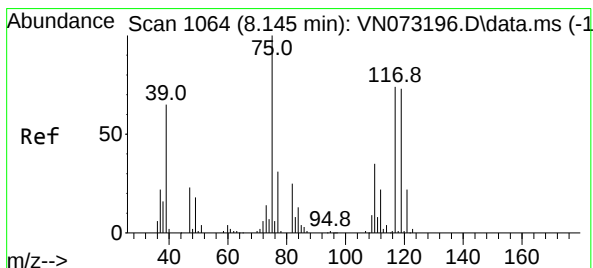
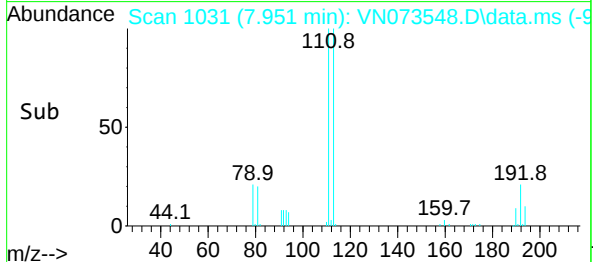
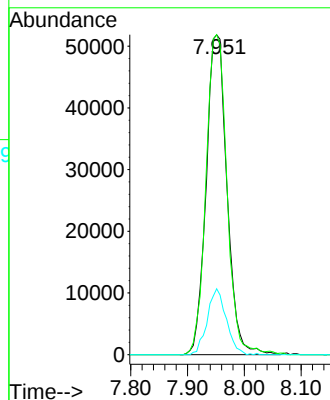
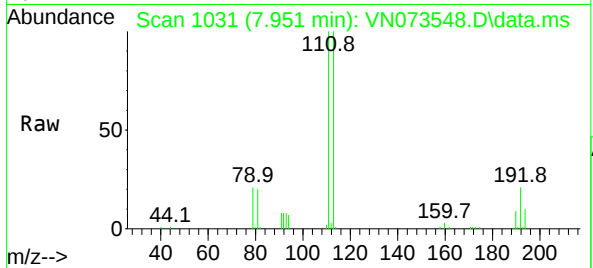




#35
Dibromofluoromethane
Concen: 50.371 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

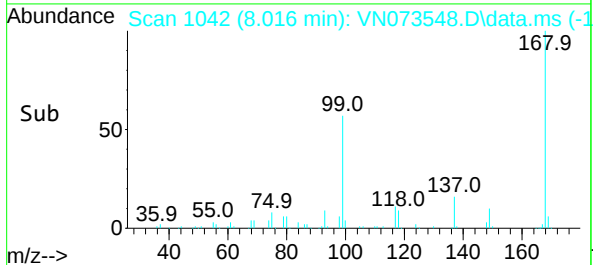
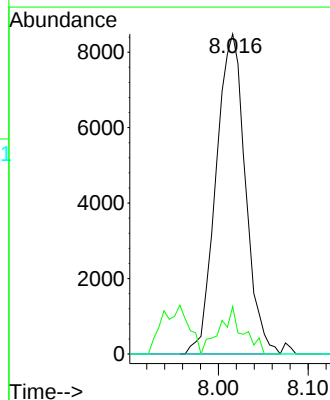
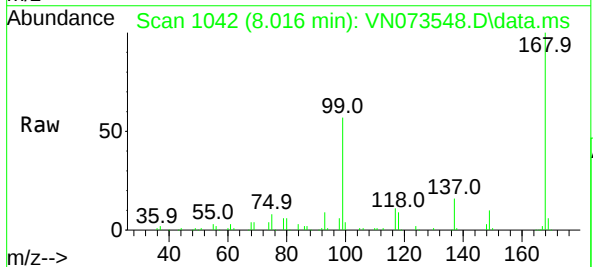
Instrument :
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VN0721MBL01

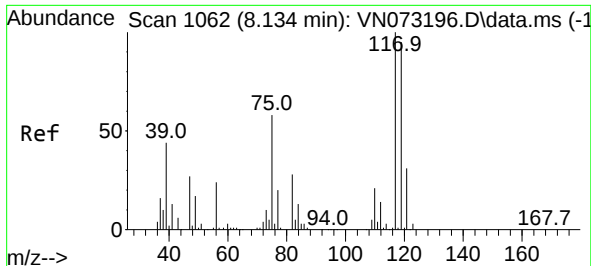
Tgt Ion:113 Resp: 132141
Ion Ratio Lower Upper
113 100
111 100.6 81.4 122.0
192 18.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

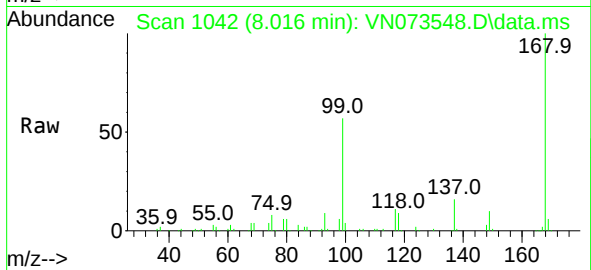
Tgt Ion: 75 Resp: 19256
Ion Ratio Lower Upper
75 100
110 11.9 18.3 54.8#
77 0.0 25.1 37.7#



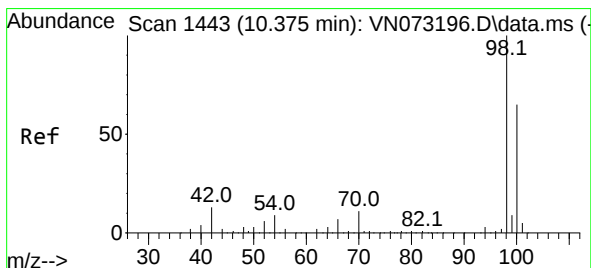
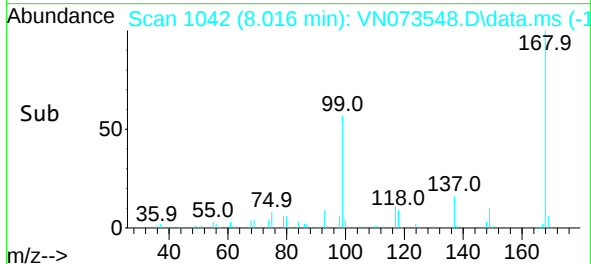
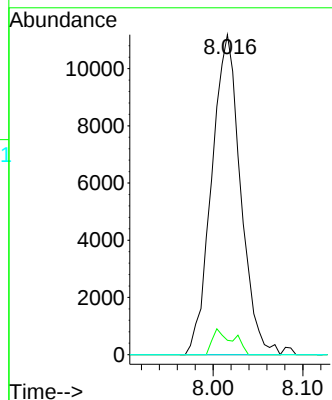


#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

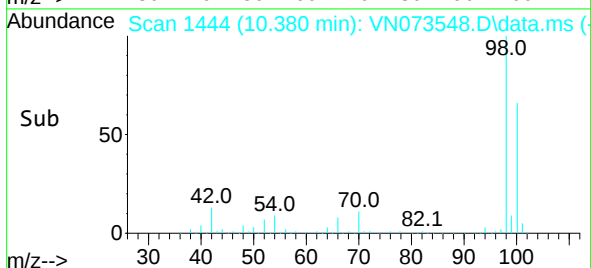
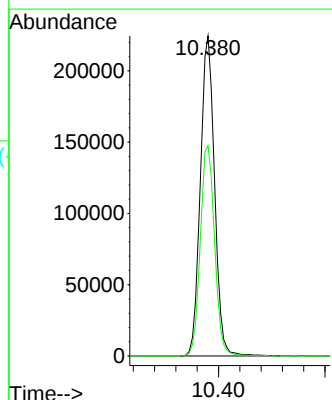
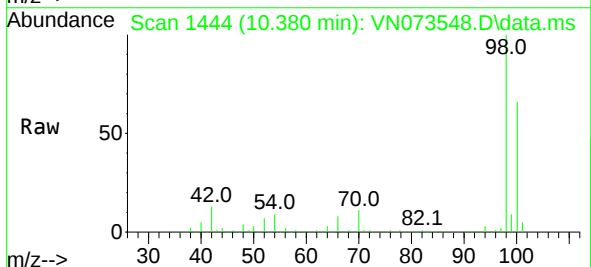


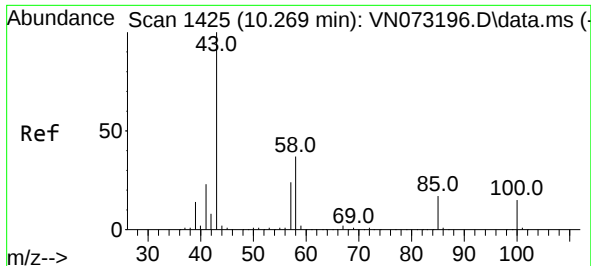
Tgt Ion:117 Resp: 25021
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.542 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 98 Resp: 415006
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

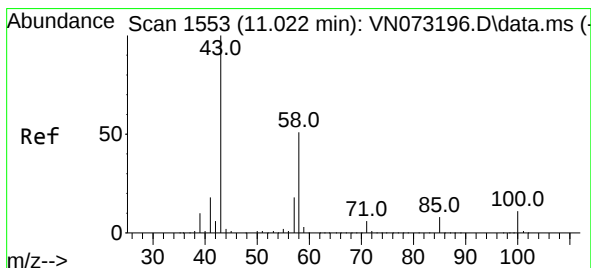
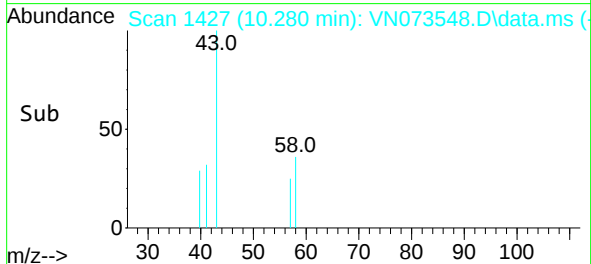
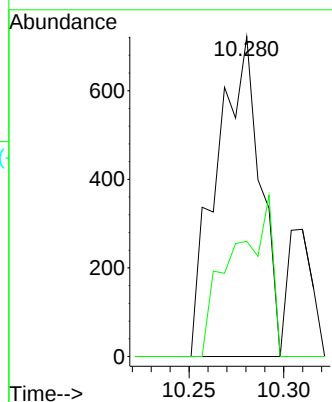
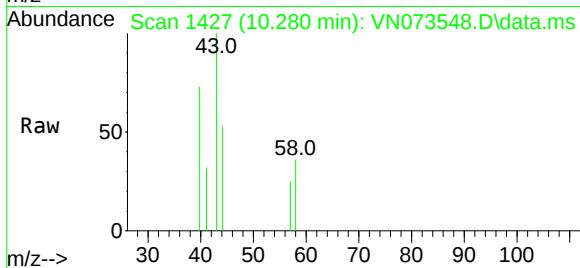




#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 10.280 min Scan# 1427
Delta R.T. 0.011 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

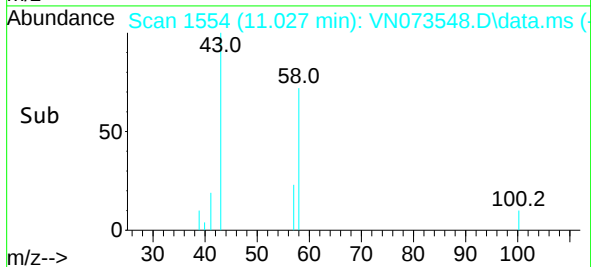
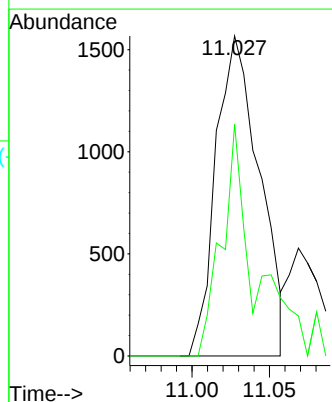
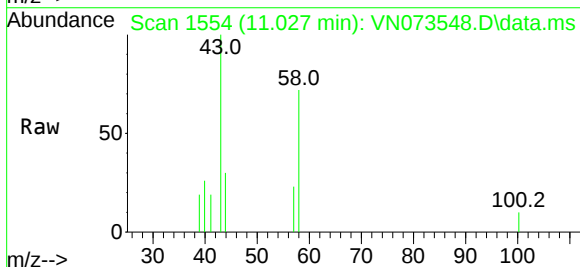
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

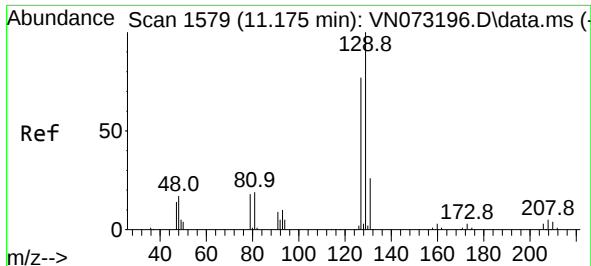
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 45.5 34.1 51.1



#59
2-Hexanone
Concen: 0.721 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.005 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 43 Resp: 3055
Ion Ratio Lower Upper
43 100
58 42.0 29.7 89.1

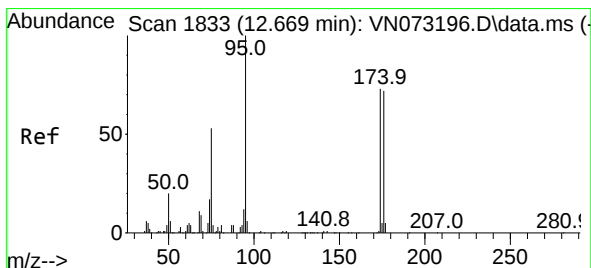
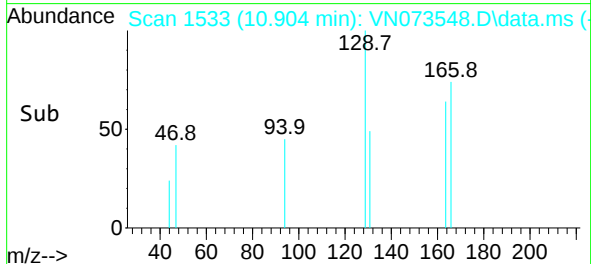
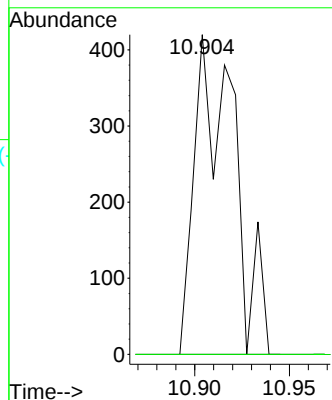
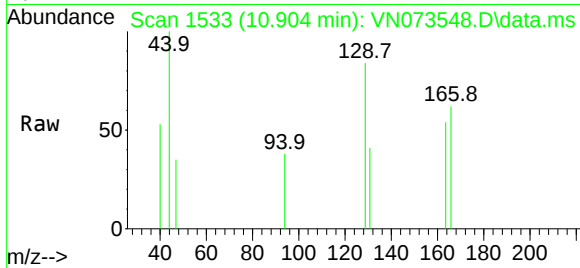




#60
Dibromochloromethane
Concen: 0.203 ug/l
RT: 10.904 min Scan# 1533
Delta R.T. -0.271 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

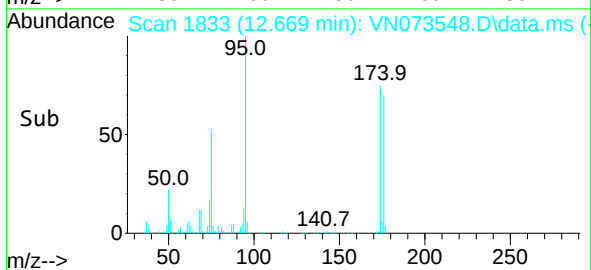
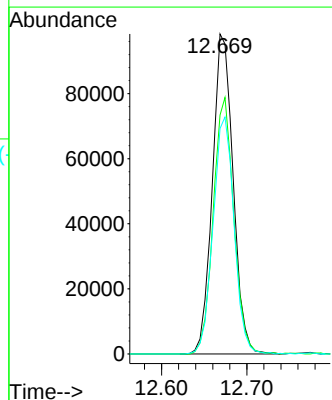
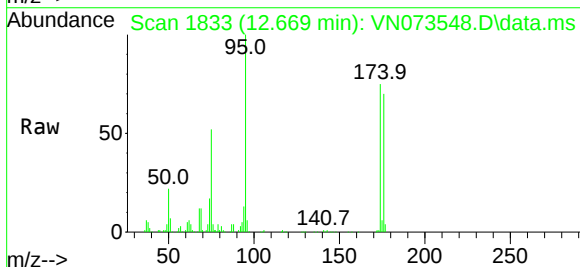
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

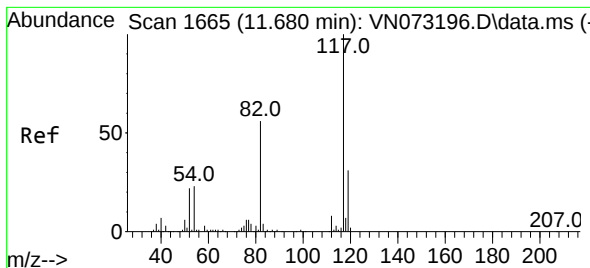
Tgt Ion:129 Resp: 612
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.377 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 95 Resp: 166055
Ion Ratio Lower Upper
95 100
174 79.6 0.0 167.6
176 74.9 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: VN073548.D

Acq: 21 Jul 2022 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

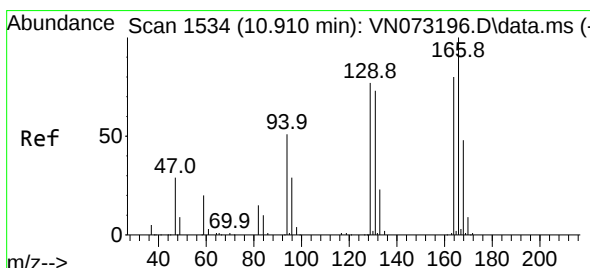
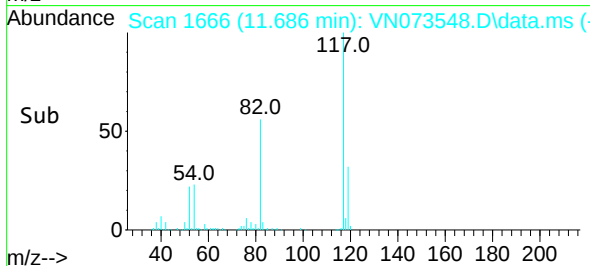
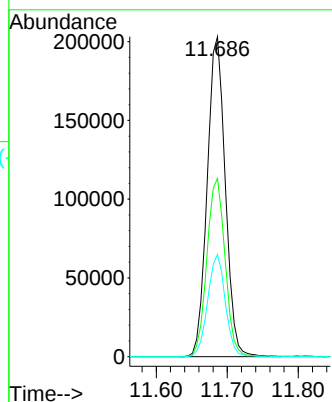
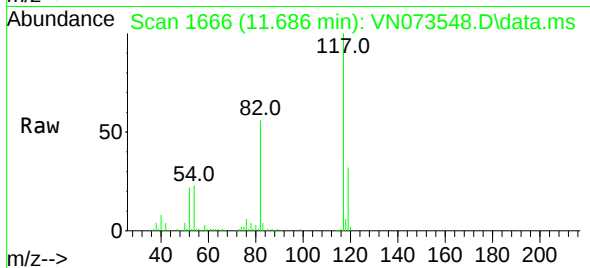
Tgt Ion:117 Resp: 359470

Ion Ratio Lower Upper

117 100

82 55.8 44.2 66.2

119 32.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.225 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. 0.006 min

Lab File: VN073548.D

Acq: 21 Jul 2022 11:45

Tgt Ion:164 Resp: 660

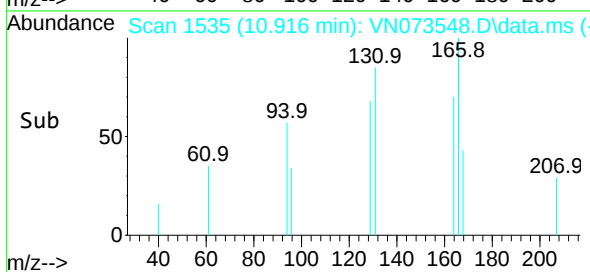
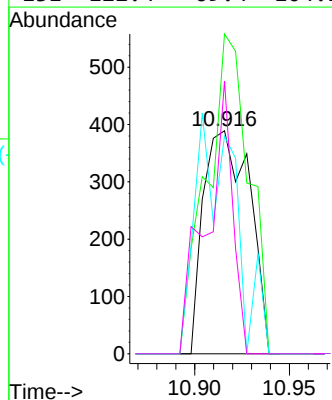
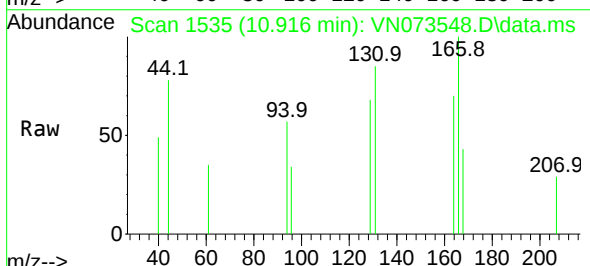
Ion Ratio Lower Upper

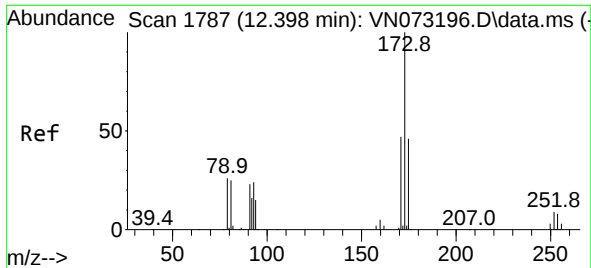
164 100

166 143.4 104.2 156.2

129 97.7 73.9 110.9

131 122.4 69.4 104.2#

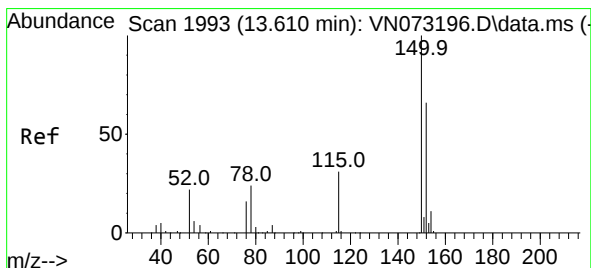
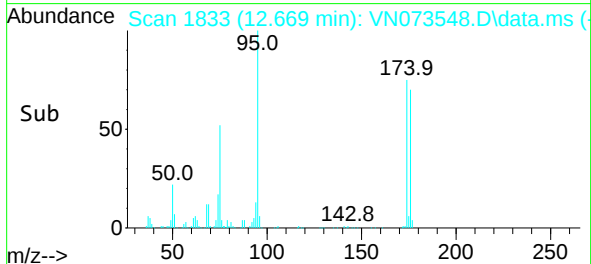
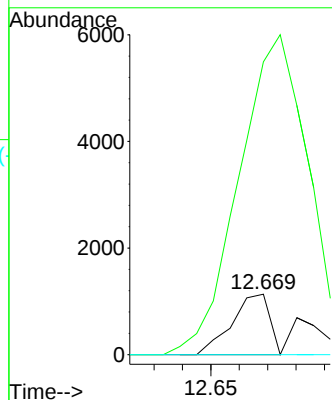
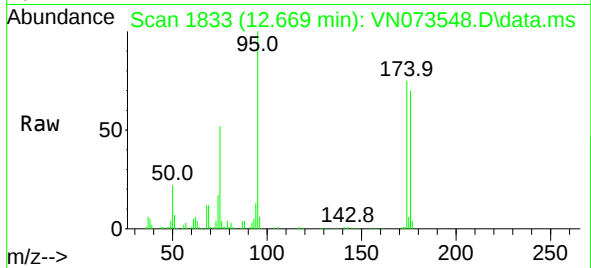




#71
Bromoform
Concen: 0.480 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

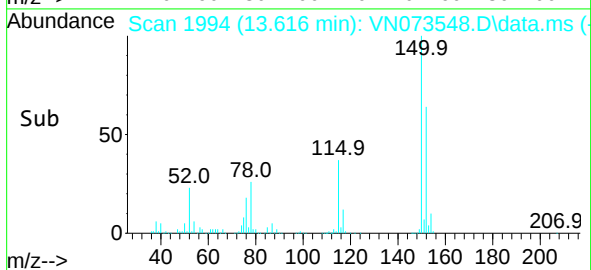
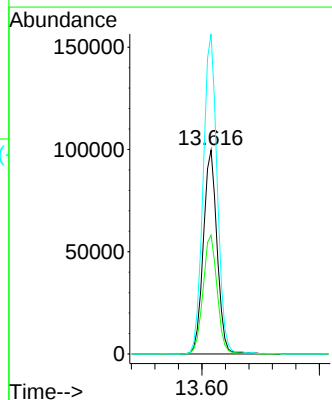
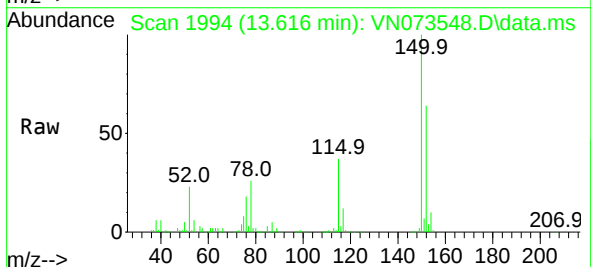
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

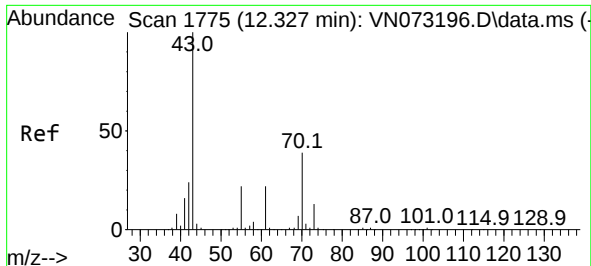
Tgt Ion:173 Resp: 1050
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion:152 Resp: 161617
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 160.4 0.0 356.2

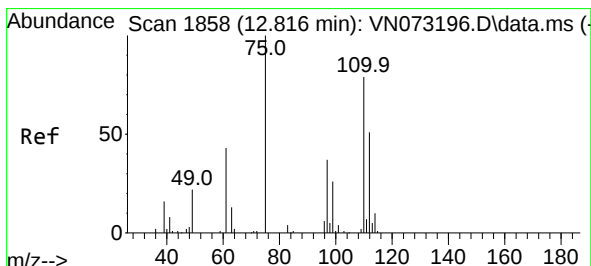
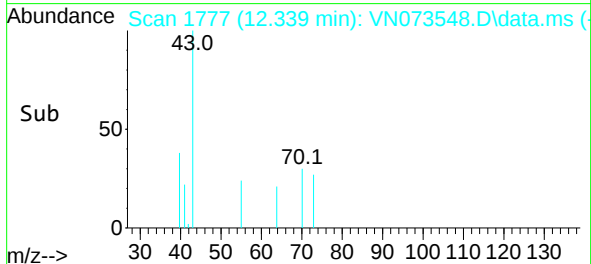
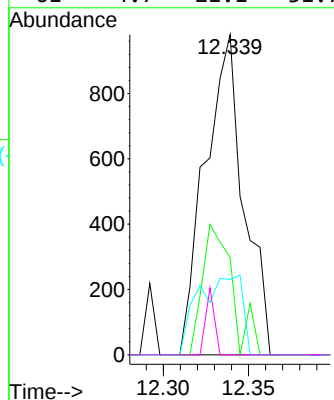
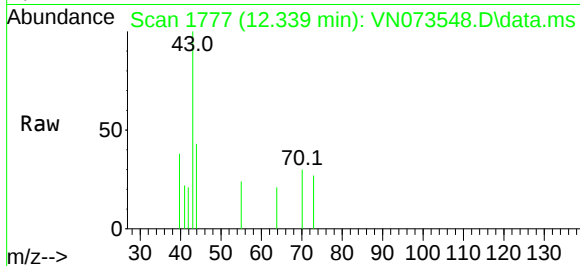




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 12.339 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

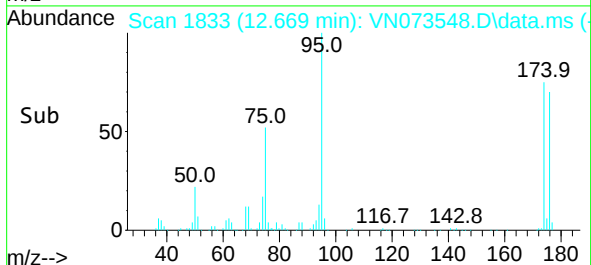
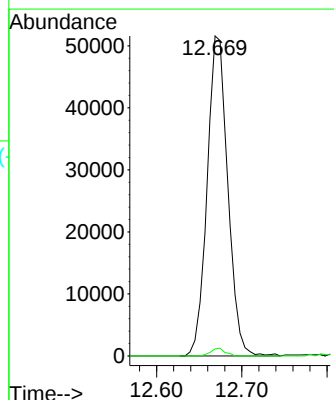
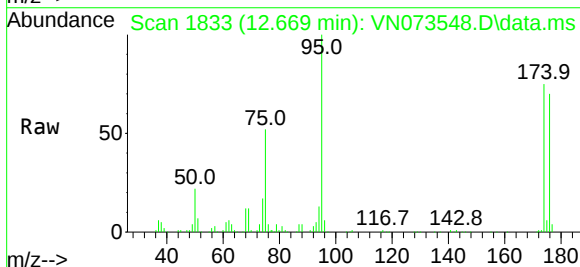
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

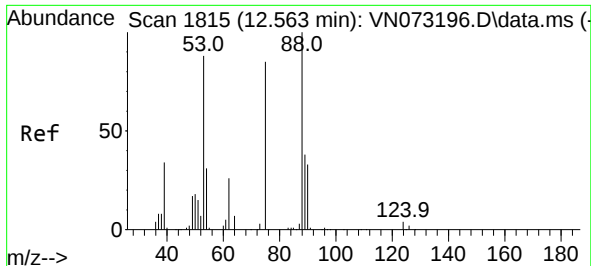
Tgt Ion: 43	Resp: 1544
Ion Ratio	Lower Upper
43 100	
70 31.5	39.0 58.4#
55 28.2	21.1 31.7
61 4.7	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.570 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 75	Resp: 86926
Ion Ratio	Lower Upper
75 100	
77 1.7	98.5 295.5#

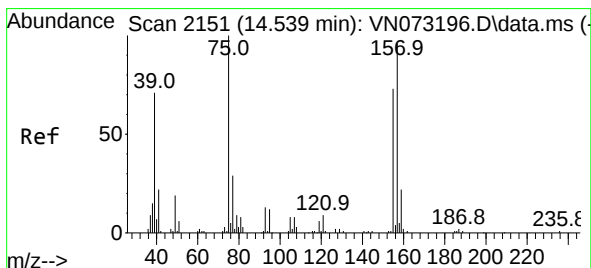
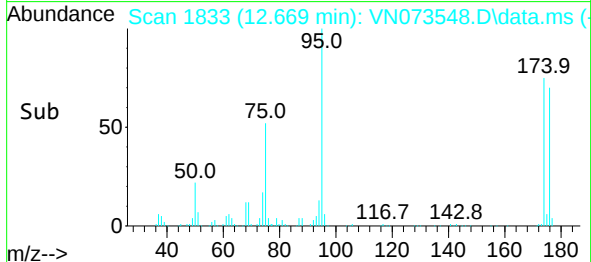
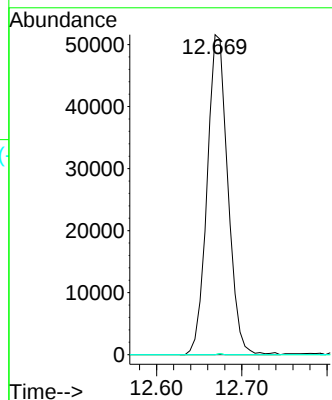
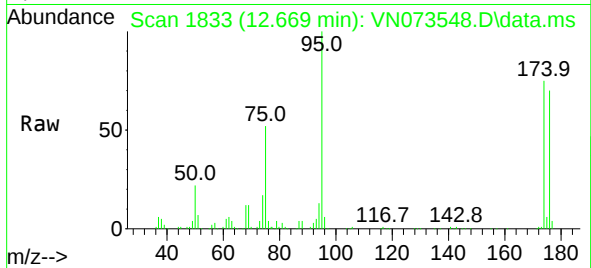




#81
trans-1,4-Dichloro-2-butene
Concen: 56.411 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

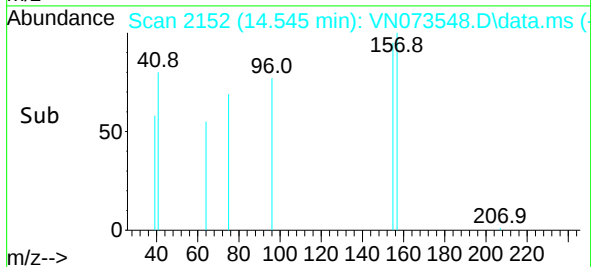
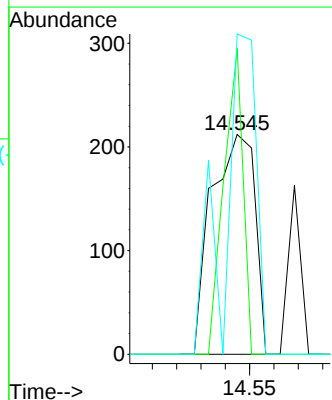
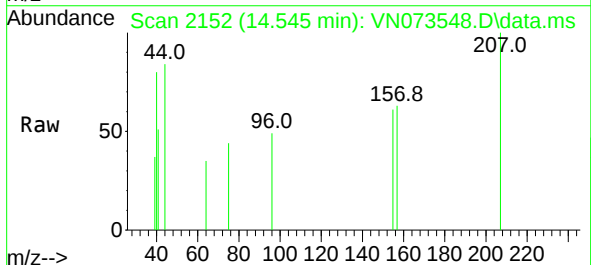
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

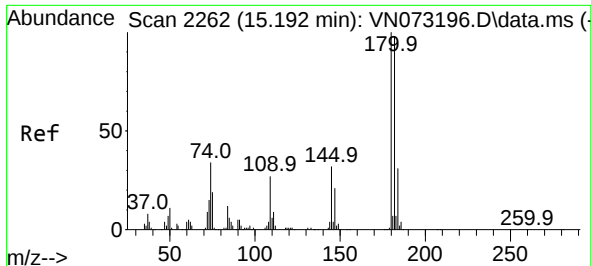
Tgt Ion: 75 Resp: 86926
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.232 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
155 61.7 44.9 134.5
157 108.0 59.0 176.8

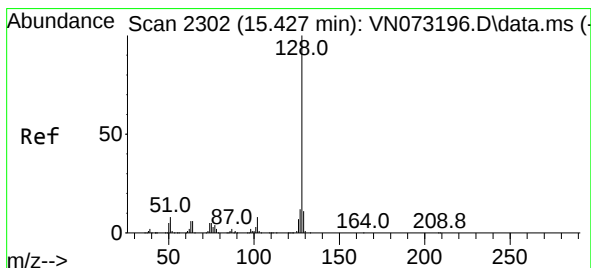
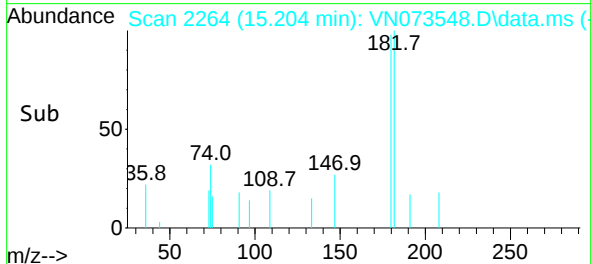
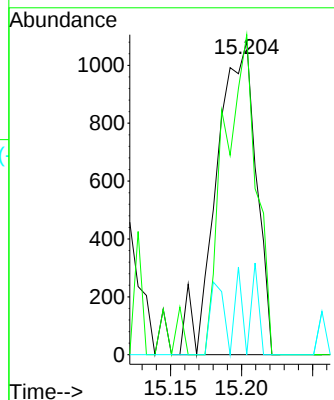
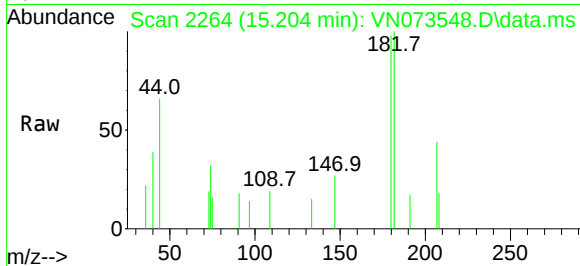




#93
1,2,4-Trichlorobenzene
Concen: 0.677 ug/l
RT: 15.204 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

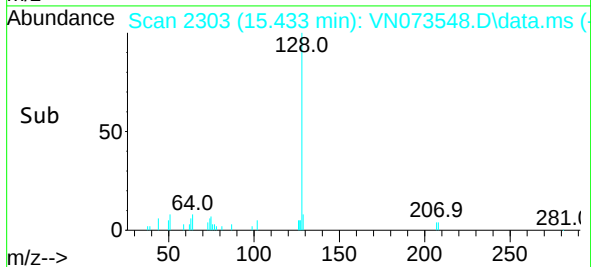
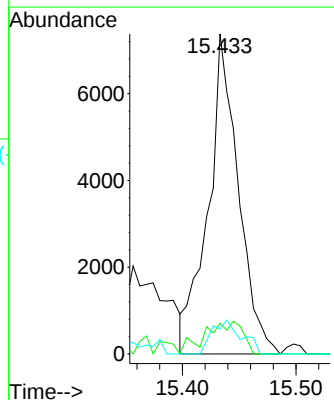
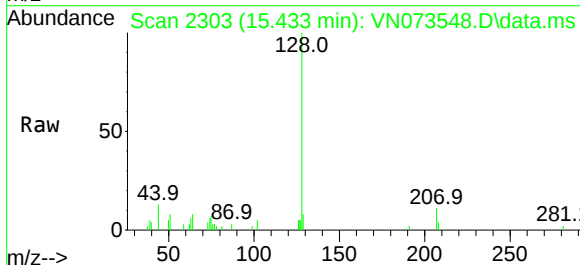
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

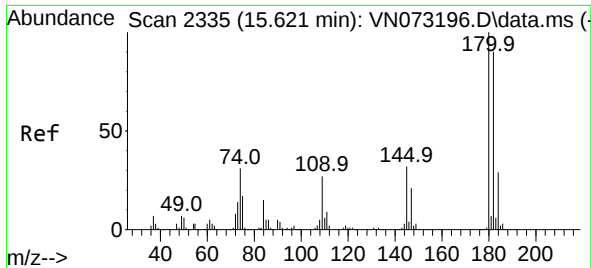
Tgt Ion:180 Resp: 2090
Ion Ratio Lower Upper
180 100
182 82.8 47.5 142.5
145 10.5 14.5 43.5#



#95
Naphthalene
Concen: 1.091 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073548.D
Acq: 21 Jul 2022 11:45

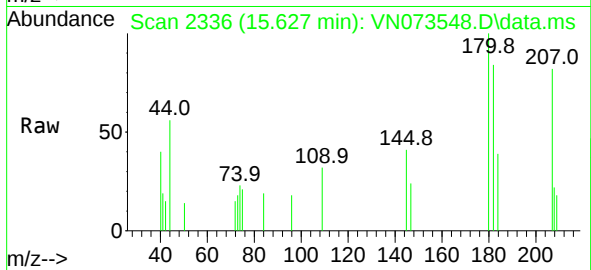
Tgt Ion:128 Resp: 13593
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.788 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073548.D
 Acq: 21 Jul 2022 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01



Tgt Ion:180 Resp: 2509
 Ion Ratio Lower Upper
 180 100
 182 70.7 47.8 143.3
 145 36.6 15.5 46.5

