

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071322\
 Data File : VN073444.D
 Acq On : 13 Jul 2022 11:55
 Operator : JC\MD
 Sample : VN0713MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713MBL01

Quant Time: Jul 14 07:02:12 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)

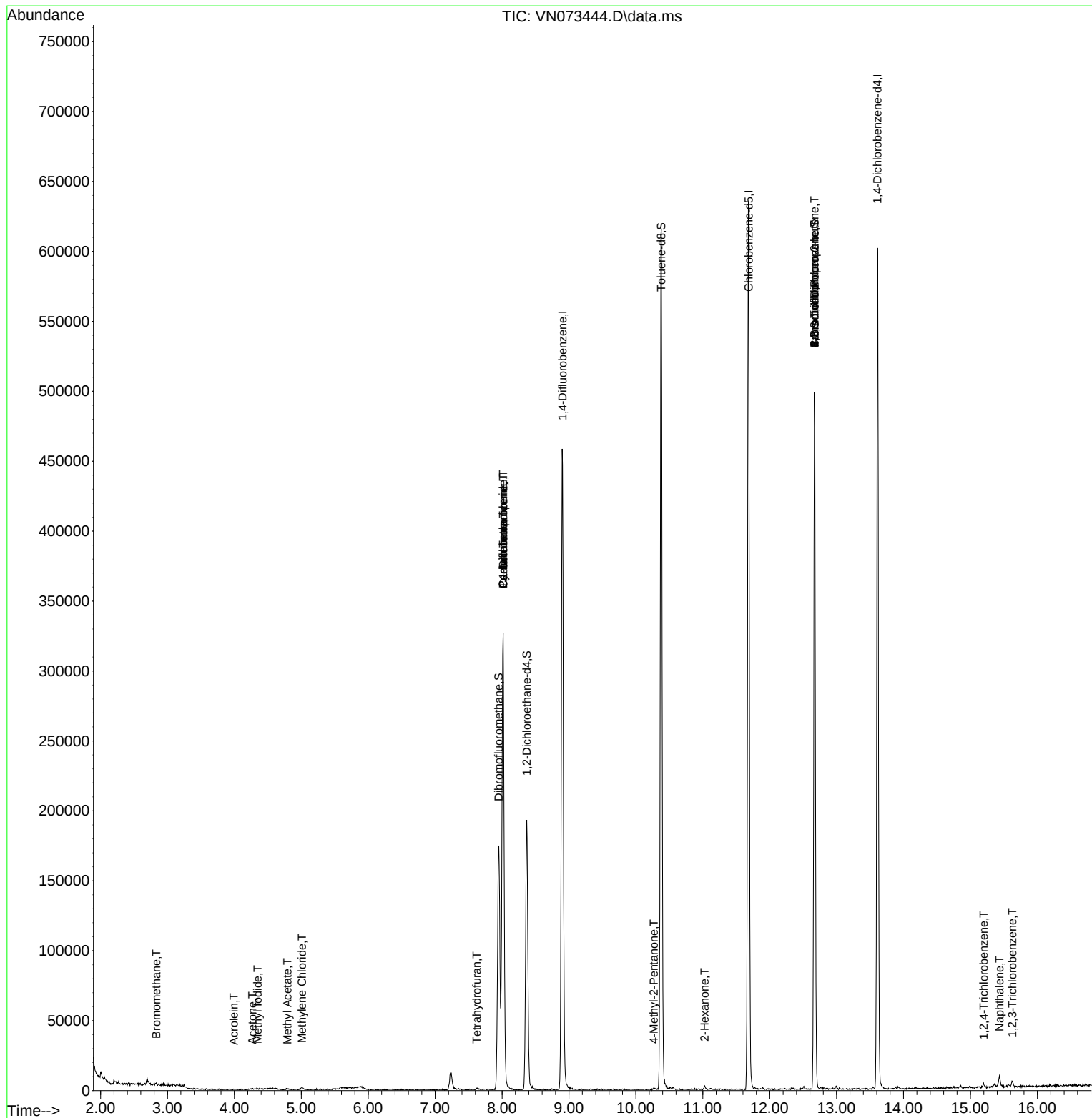
Internal Standards						
1) Pentafluorobenzene	8.016	168	240563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	399427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	364460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	160928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	161770	46.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.160%
35) Dibromofluoromethane	7.951	113	132280	49.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.380	98	428530	45.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.668	95	171997	47.420	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.840%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	365	0.266	ug/l #	47
10) Methyl Iodide	4.345	142	227	3.788	ug/l #	44
13) Acrolein	3.992	56	135	0.254	ug/l #	16
16) Acetone	4.269	43	1419	0.728	ug/l #	42
18) Methyl Acetate	4.792	43	1376	0.252	ug/l #	48
20) Methylene Chloride	5.010	84	847	0.247	ug/l #	81
29) Tetrahydrofuran	7.622	42	471	0.222	ug/l #	57
31) Cyclohexane	8.016	56	5888	1.035	ug/l #	25
36) 1,1-Dichloropropene	8.016	75	19943	4.877	ug/l #	49
38) Carbon Tetrachloride	8.016	117	26144	6.183	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	1188	0.211	ug/l #	73
59) 2-Hexanone	11.027	43	2416	0.563	ug/l	62
71) Bromoform	12.668	173	1141	0.514	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	91555	21.758	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	91555	59.670	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	1179	0.383	ug/l	91
95) Naphthalene	15.433	128	8029	0.647	ug/l	96
96) 1,2,3-Trichlorobenzene	15.627	180	1777	0.560	ug/l	90

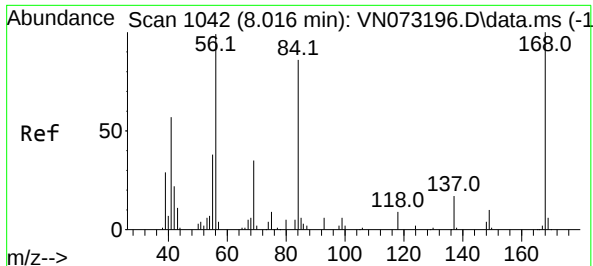
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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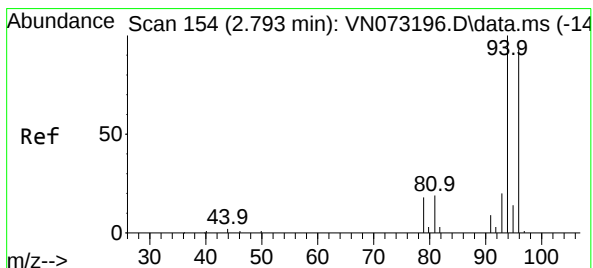
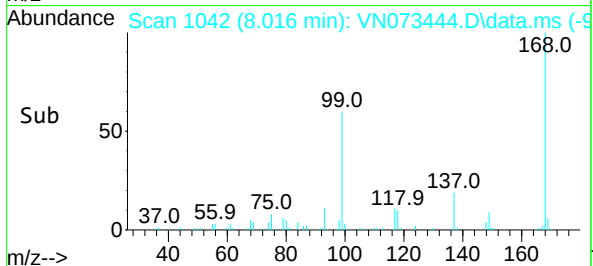
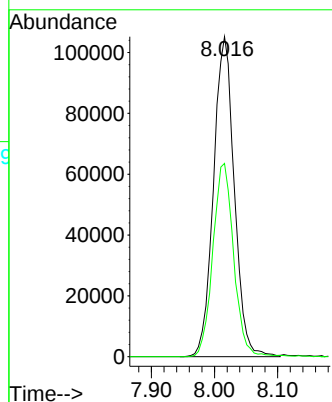
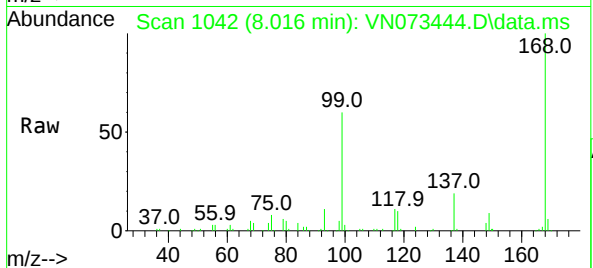




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

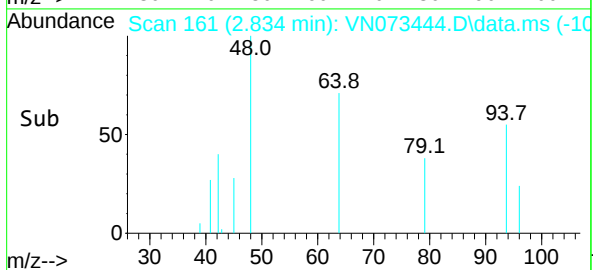
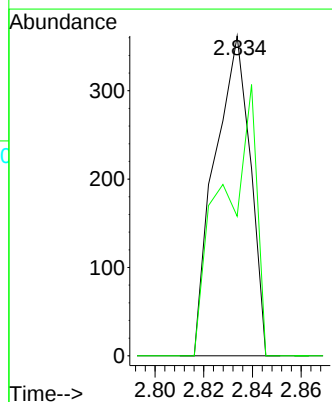
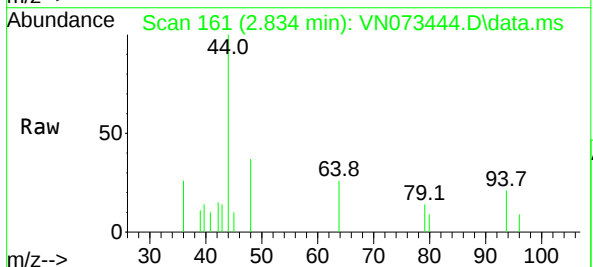
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

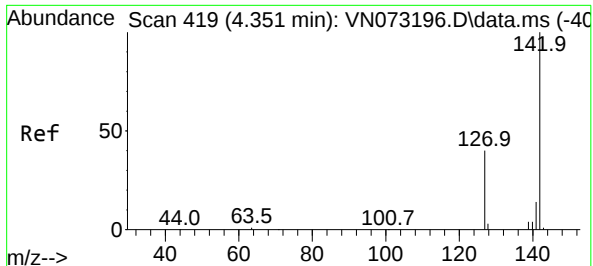
Tgt Ion:168 Resp: 240563
Ion Ratio Lower Upper
168 100
99 60.4 42.3 63.5



#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 43.6 76.0 114.0#

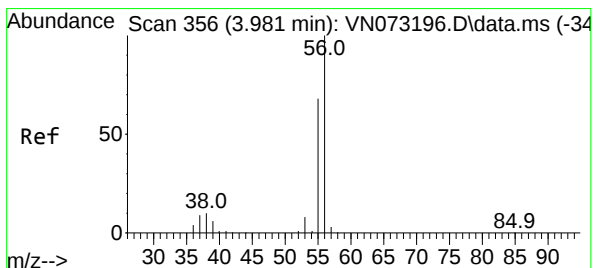
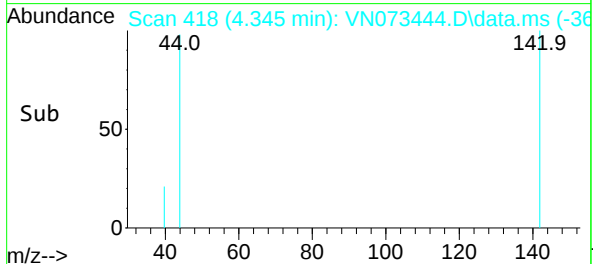
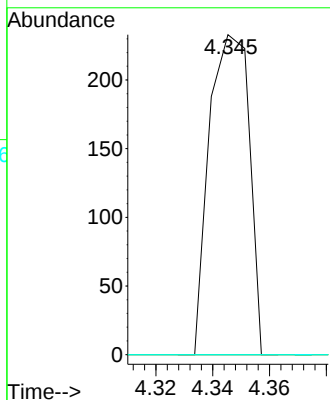
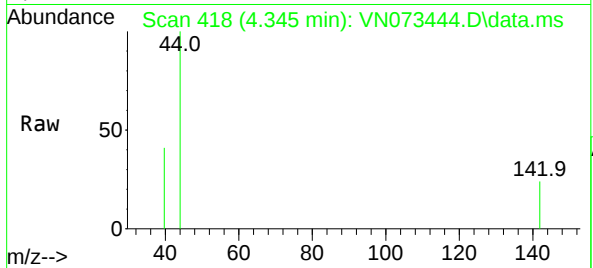




#10
Methyl Iodide
Concen: 3.788 ug/l
RT: 4.345 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

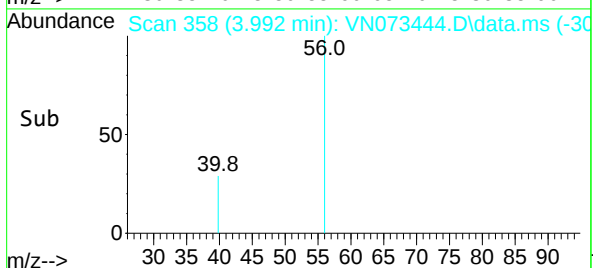
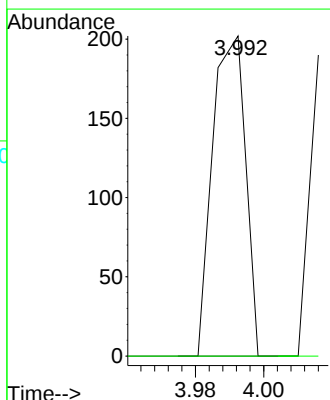
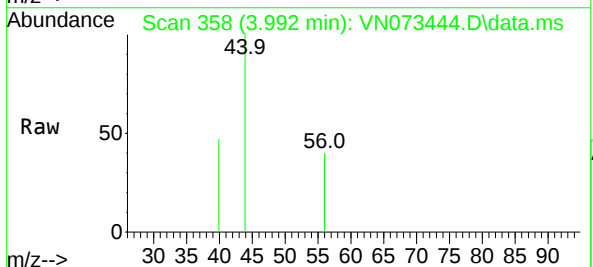
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

Tgt Ion:142 Resp: 227
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.254 ug/l
RT: 3.992 min Scan# 358
Delta R.T. 0.011 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

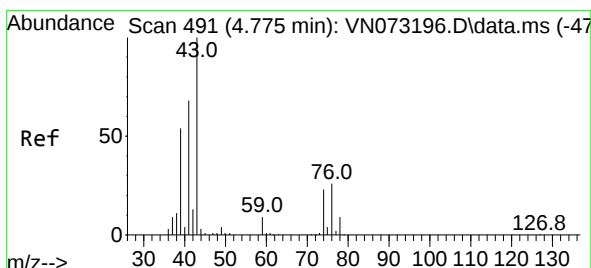
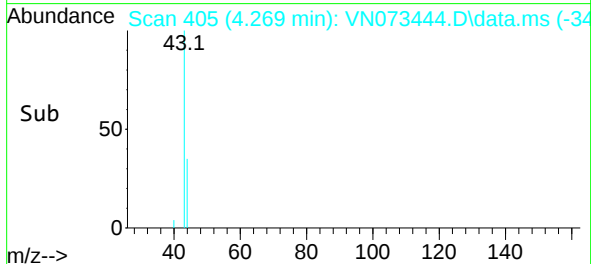
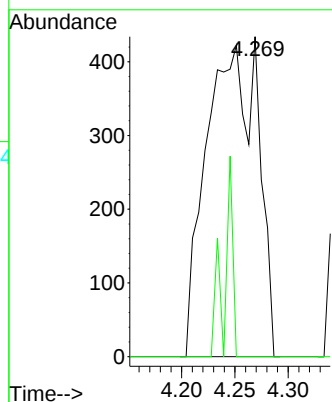
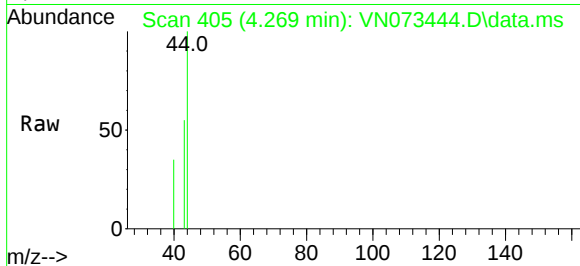




#16
Acetone
Concen: 0.728 ug/l
RT: 4.269 min Scan# 405
Delta R.T. 0.047 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

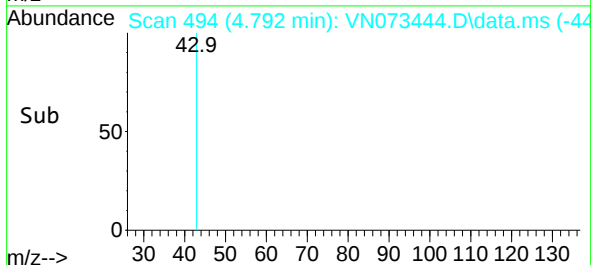
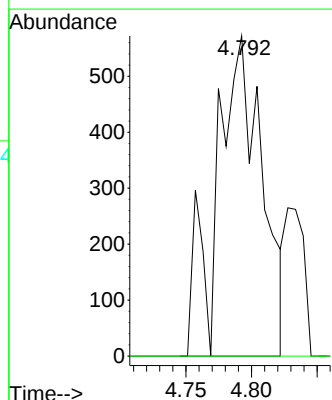
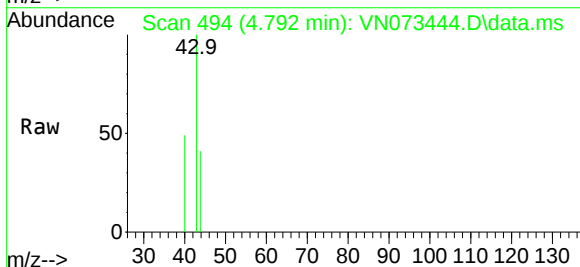
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

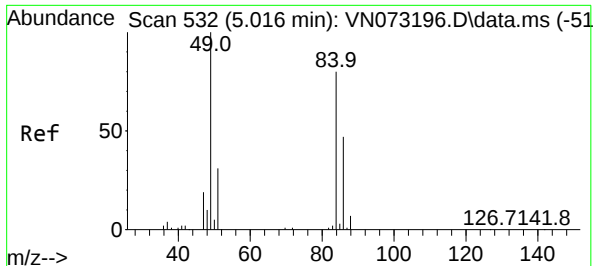
Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.017 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

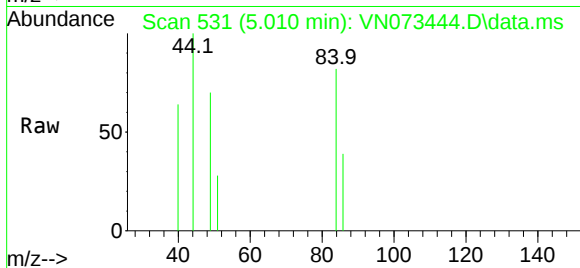
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



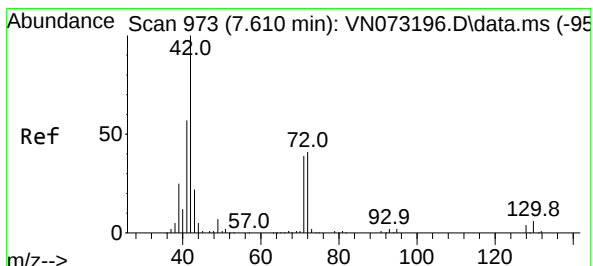
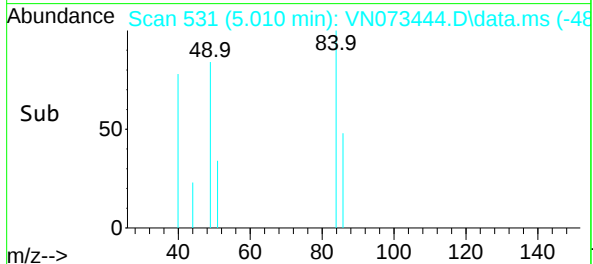
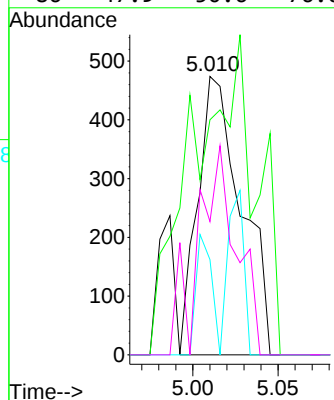


#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

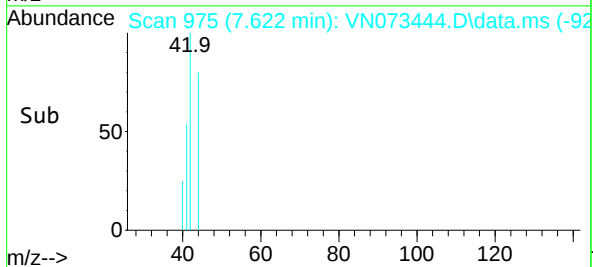
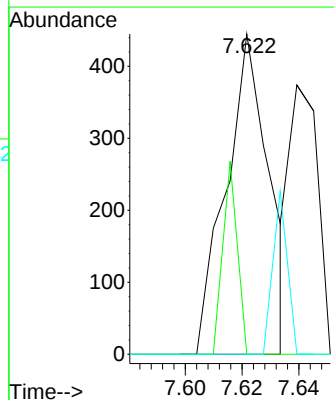
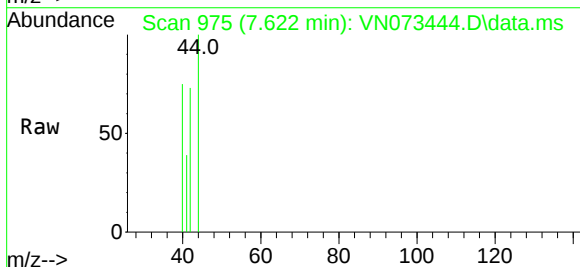


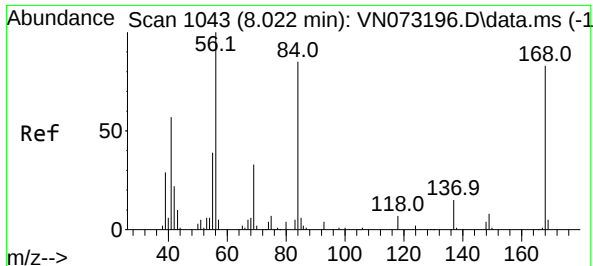
Tgt Ion:	84	Resp:	847
Ion	Ratio	Lower	Upper
84	100		
49	84.4	88.3	132.5#
51	34.2	28.2	42.2
86	47.9	50.6	76.0#



#29
Tetrahydrofuran
Concen: 0.222 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion:	42	Resp:	471
Ion	Ratio	Lower	Upper
42	100		
72	20.2	39.7	59.5#
71	17.0	36.6	55.0#





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 8.016 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN073444.D

Acq: 13 Jul 2022 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN0713MBL01

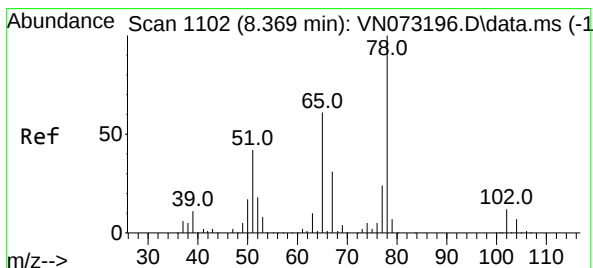
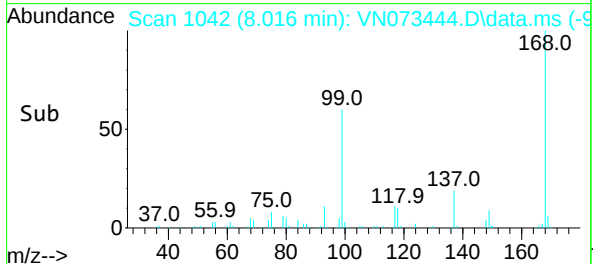
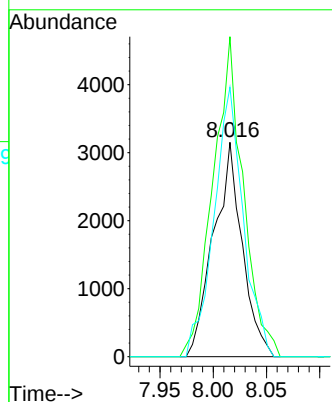
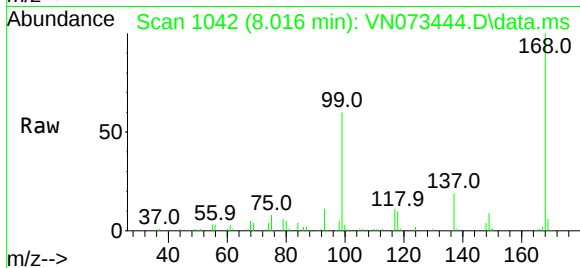
Tgt Ion: 56 Resp: 5888

Ion Ratio Lower Upper

56 100

69 149.3 27.8 41.8#

84 125.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.582 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073444.D

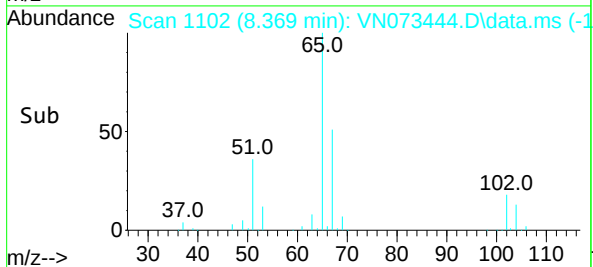
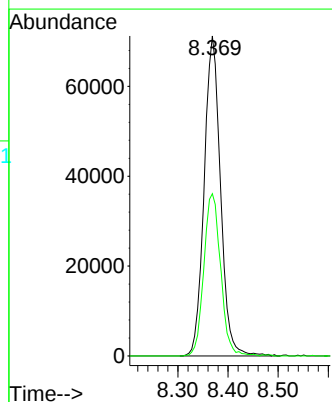
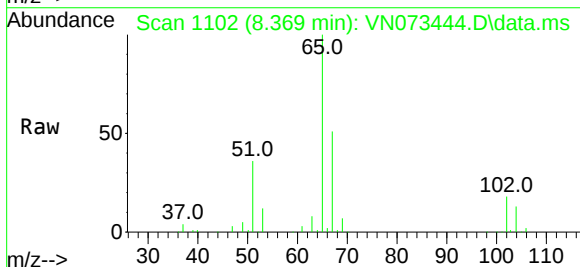
Acq: 13 Jul 2022 11:55

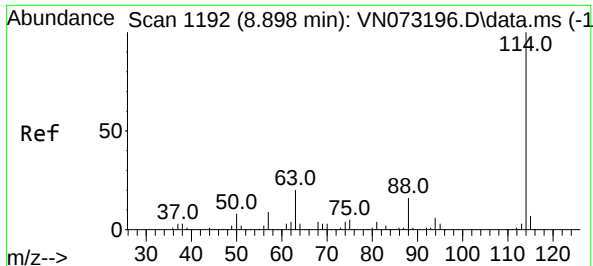
Tgt Ion: 65 Resp: 161770

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073444.D

Acq: 13 Jul 2022 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN0713MBL01

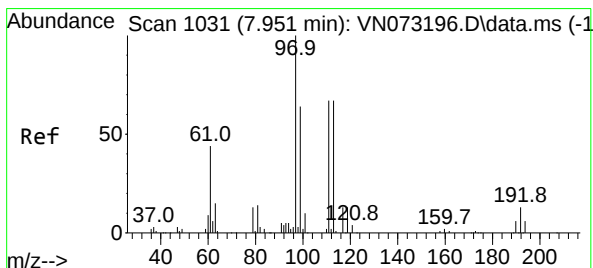
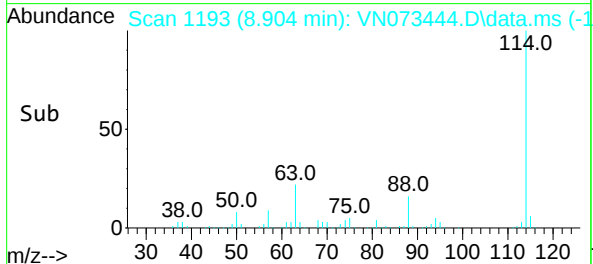
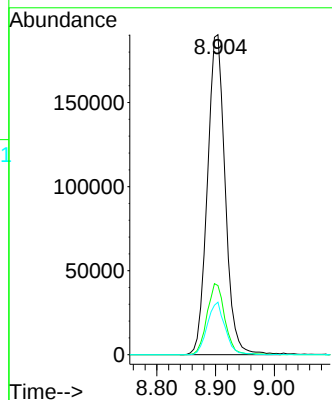
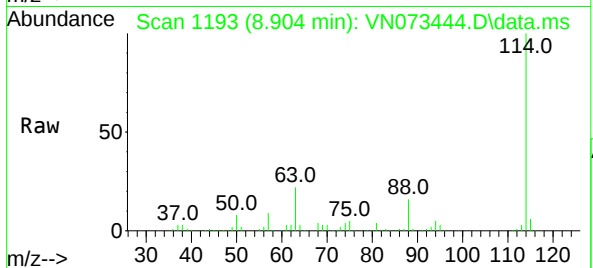
Tgt Ion:114 Resp: 399427

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.777 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073444.D

Acq: 13 Jul 2022 11:55

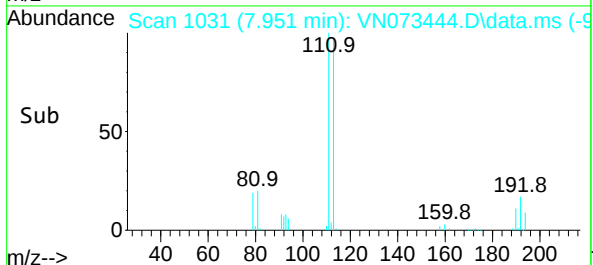
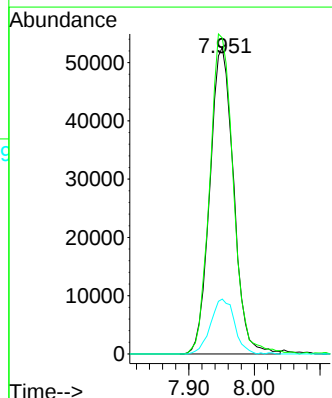
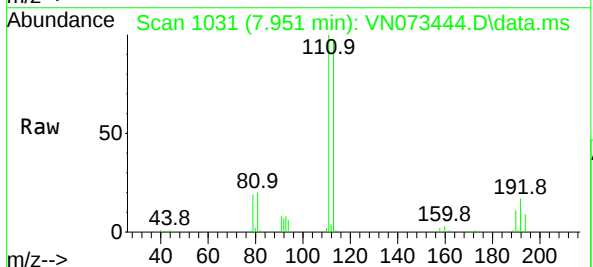
Tgt Ion:113 Resp: 132280

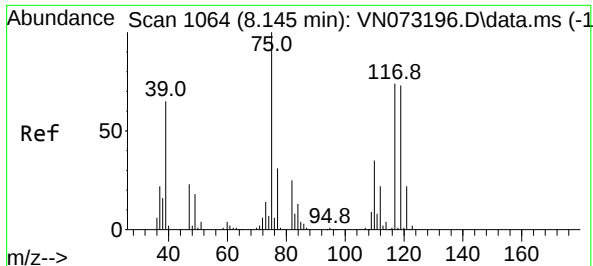
Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

192 18.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073444.D

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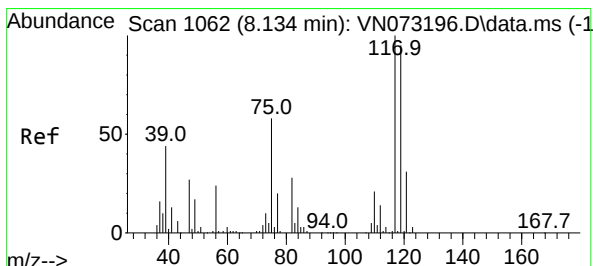
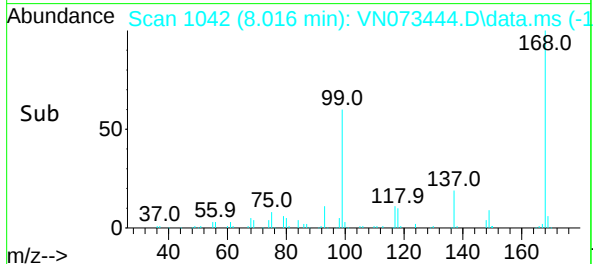
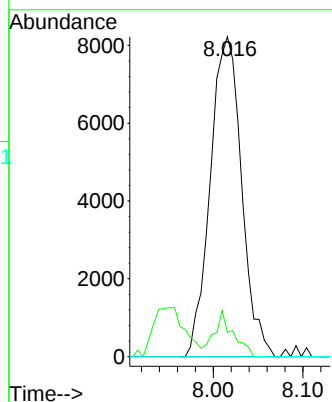
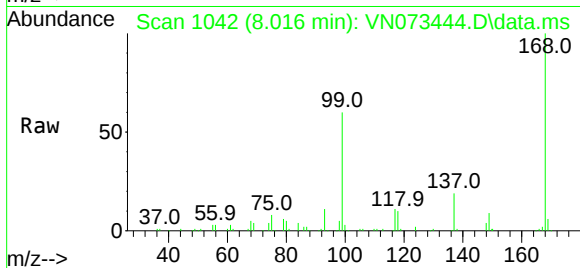
Tgt Ion: 75 Resp: 19943

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.183 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073444.D

Acq: 13 Jul 2022 11:55

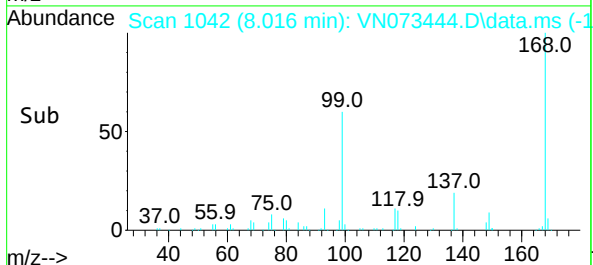
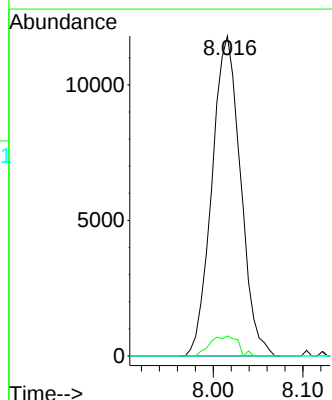
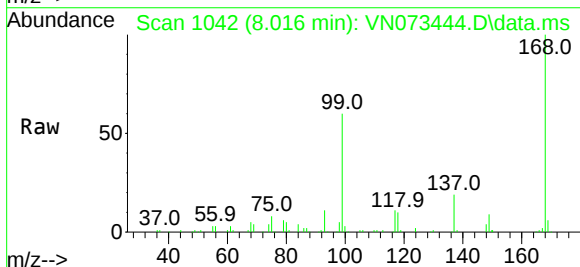
Tgt Ion: 117 Resp: 26144

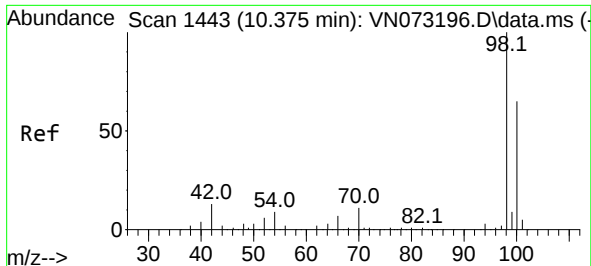
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

121 0.0 24.6 37.0#

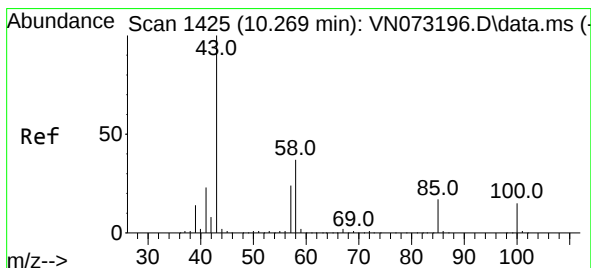
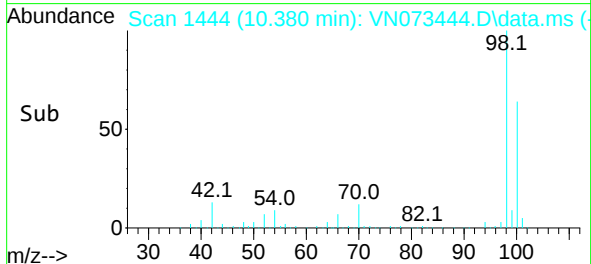
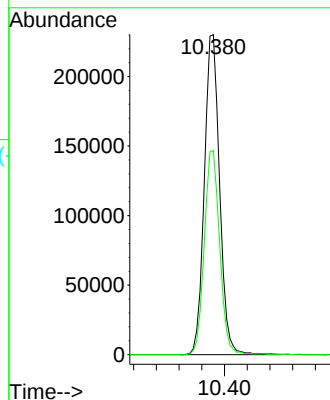
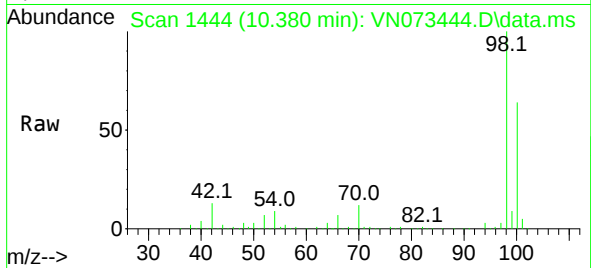




#50
Toluene-d8
Concen: 45.403 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

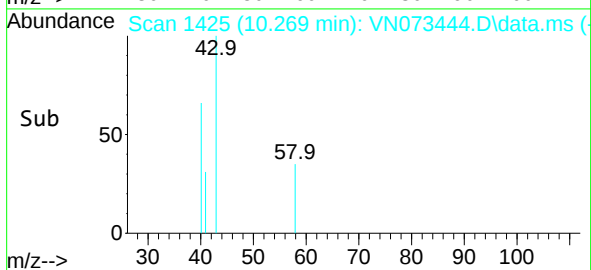
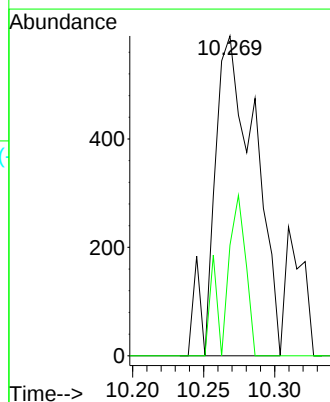
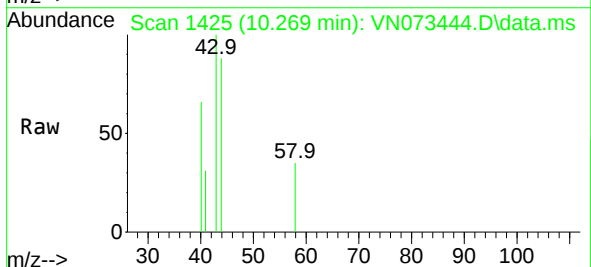
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

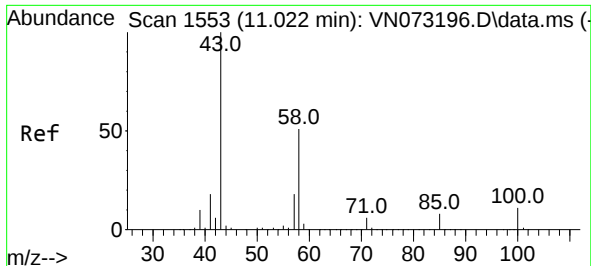
Tgt Ion: 98 Resp: 428530
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
58 25.2 34.1 51.1#

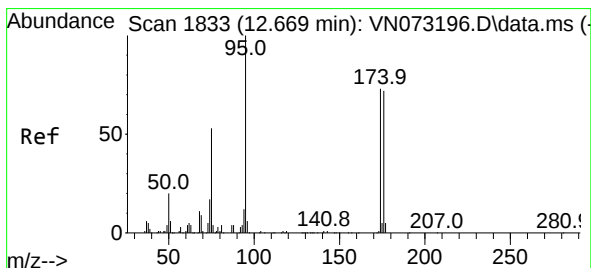
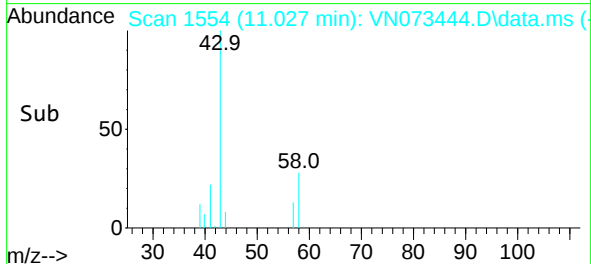
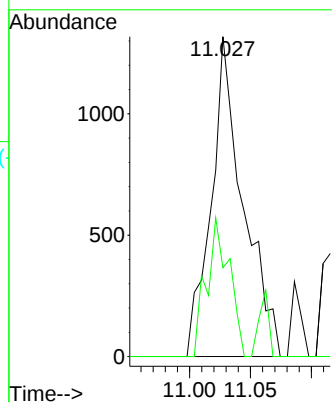
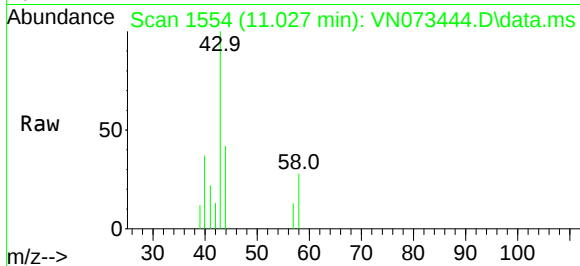




#59
2-Hexanone
Concen: 0.563 ug/l
RT: 11.027 min Scan# 1553
Delta R.T. 0.005 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

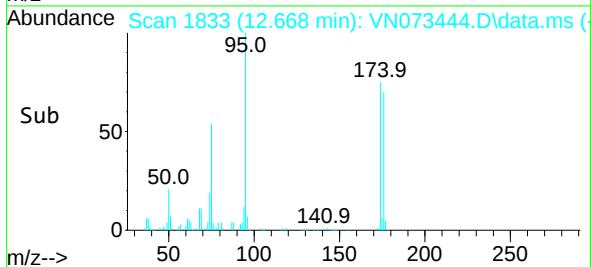
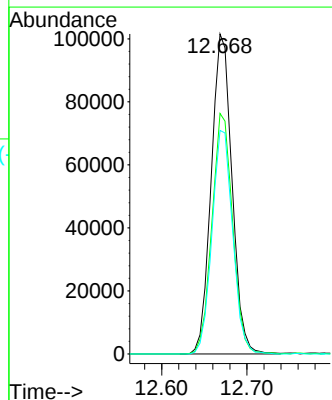
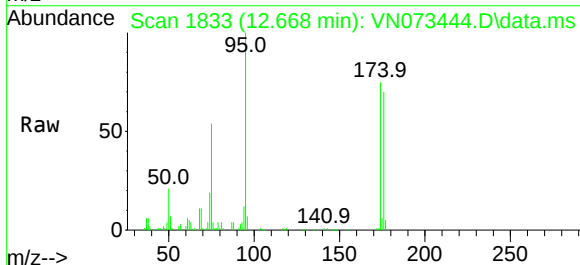
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

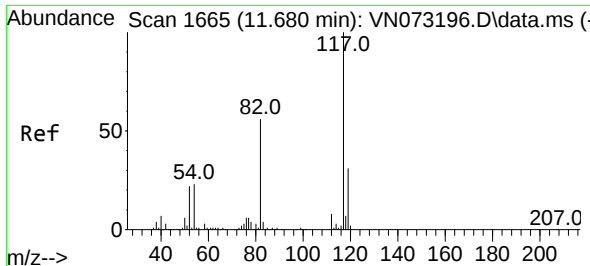
Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
58 30.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.420 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion: 95 Resp: 171997
Ion Ratio Lower Upper
95 100
174 74.9 0.0 167.6
176 69.5 0.0 163.4

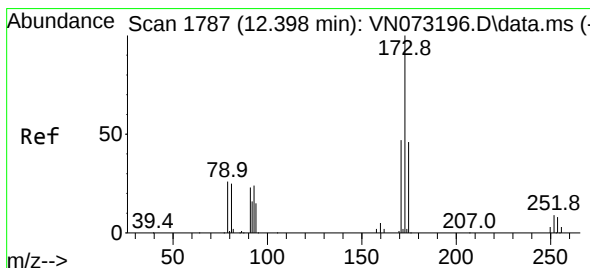
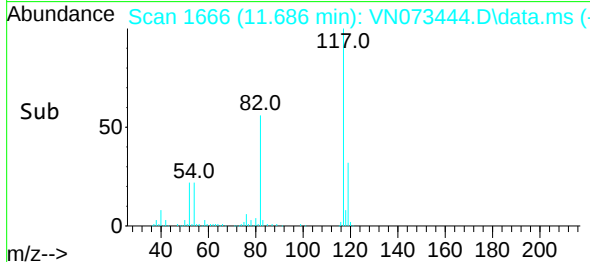
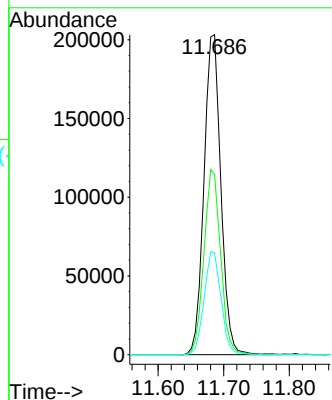
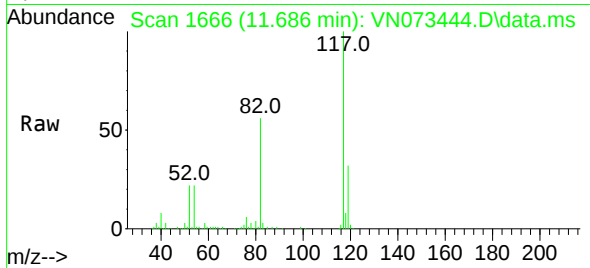




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

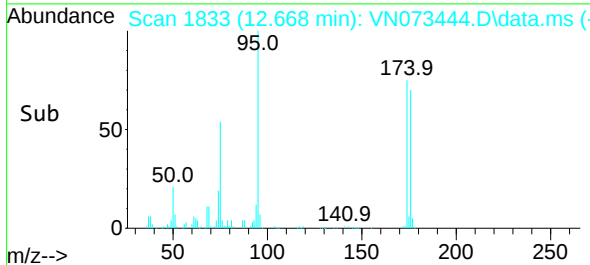
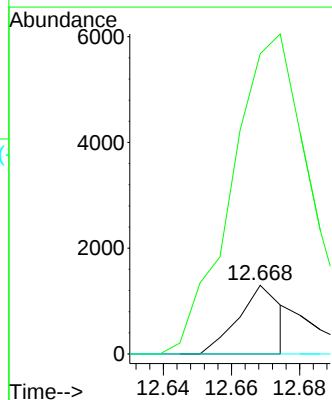
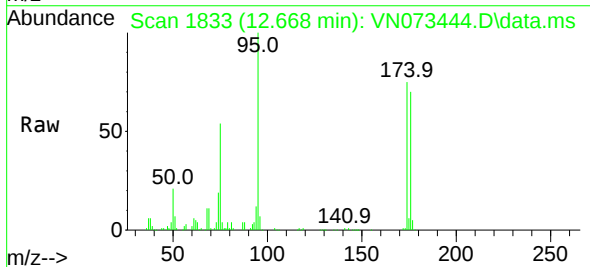
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

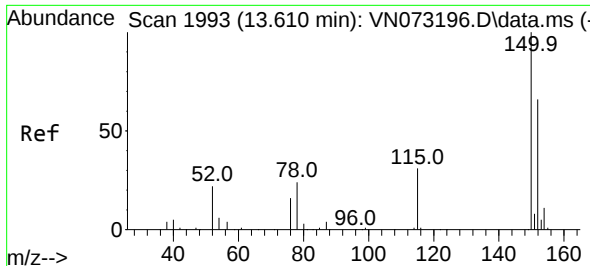
Tgt Ion:117 Resp: 364460
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 31.9 25.4 38.0



#71
Bromoform
Concen: 0.514 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion:173 Resp: 1141
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

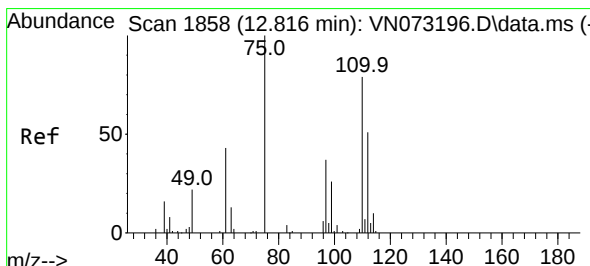
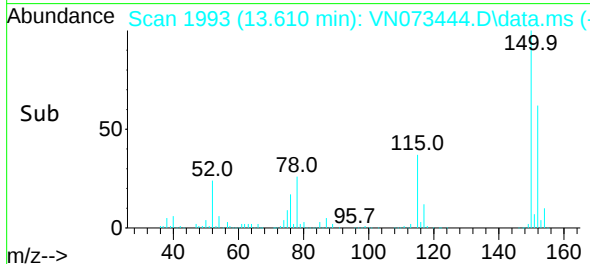
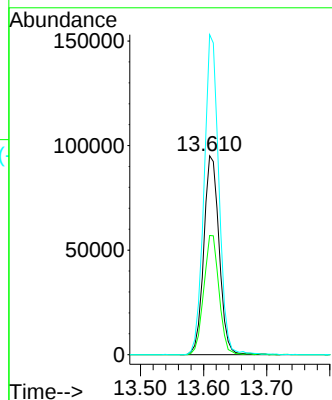
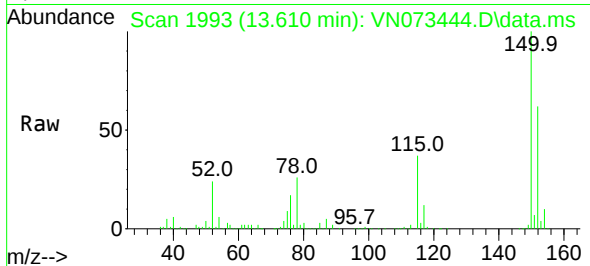




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073444.D
 Acq: 13 Jul 2022 11:55

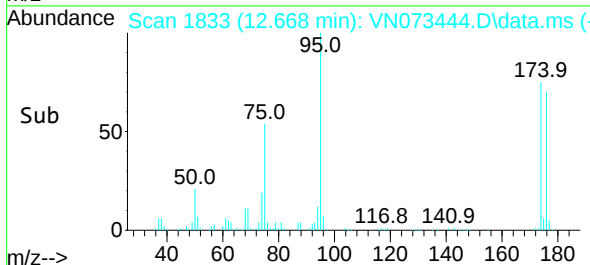
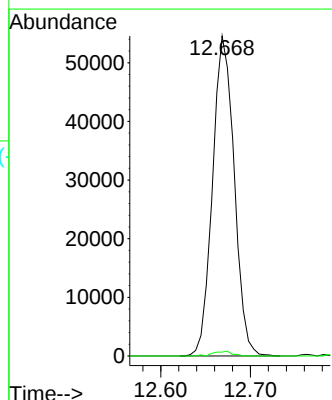
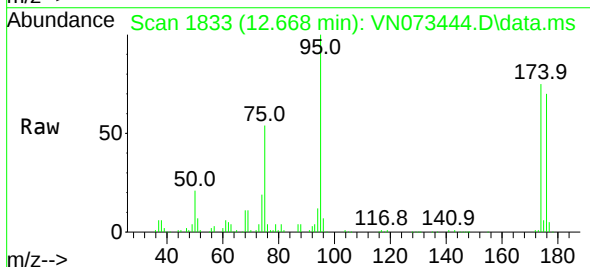
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713MBL01

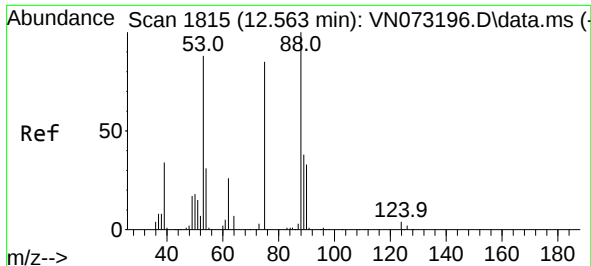
Tgt Ion:152 Resp: 160928
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.9 86.7
 150 155.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.758 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073444.D
 Acq: 13 Jul 2022 11:55

Tgt Ion: 75 Resp: 91555
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

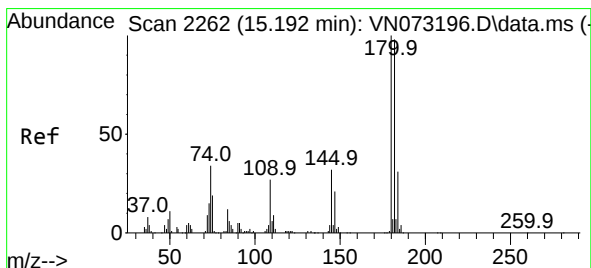
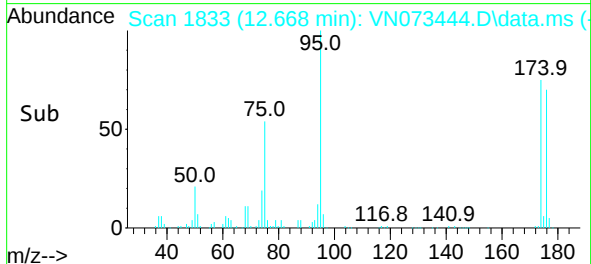
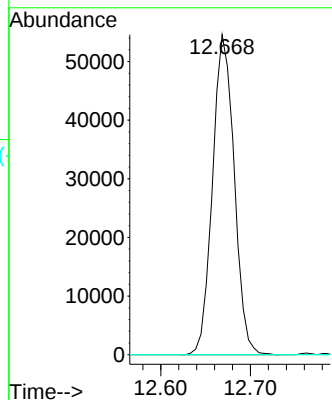
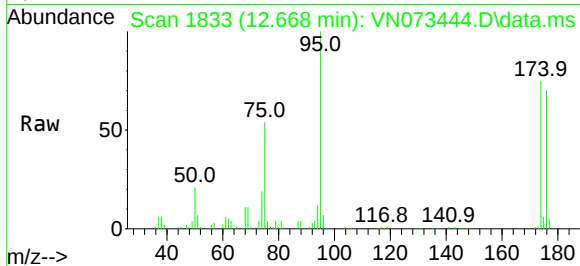




#81
trans-1,4-Dichloro-2-butene
Concen: 59.670 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

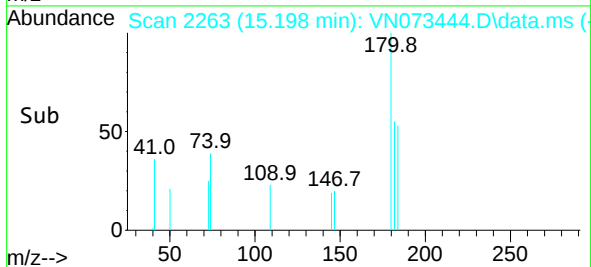
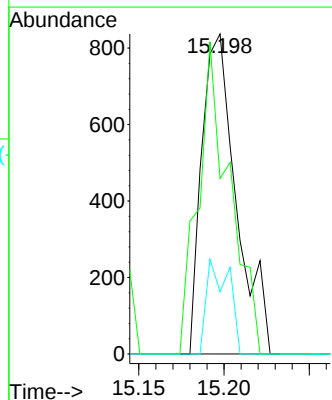
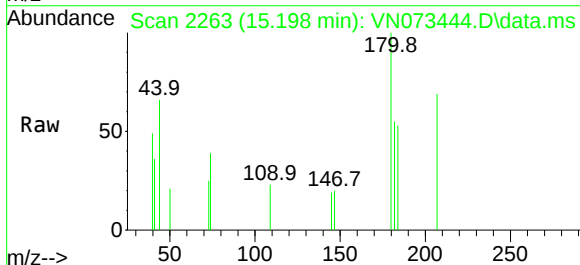
Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

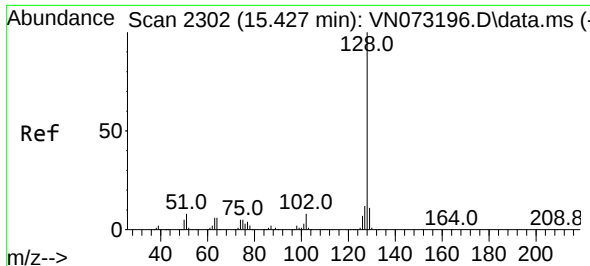
Tgt Ion: 75 Resp: 91555
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.383 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion:180 Resp: 1179
Ion Ratio Lower Upper
180 100
182 88.8 47.5 142.5
145 19.1 14.5 43.5

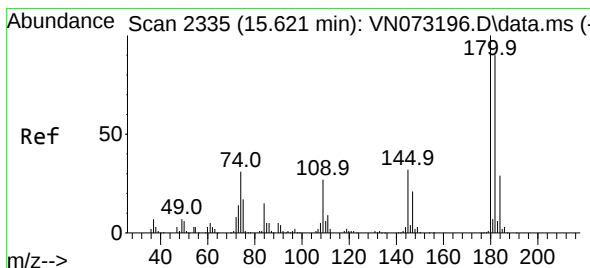
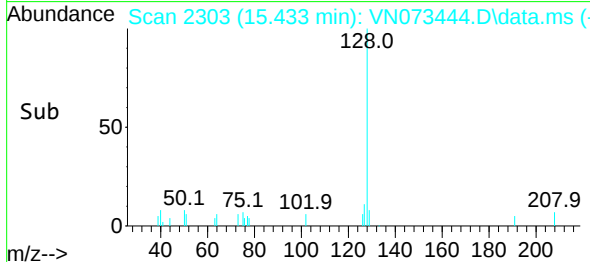
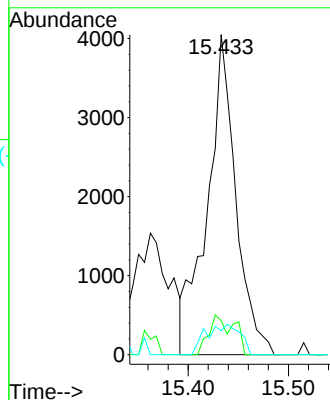
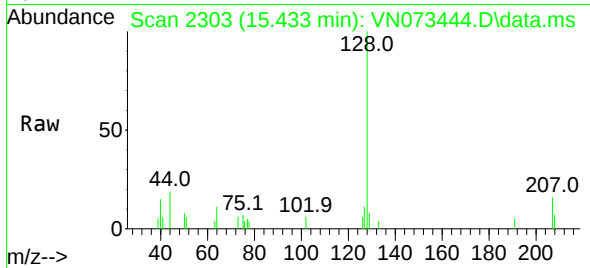




#95
Naphthalene
Concen: 0.647 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0713MBL01

Tgt Ion:	128	Resp:	8029
Ion Ratio	Lower	Upper	
128	100		
127	10.8	10.3	15.5
129	11.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.560 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073444.D
Acq: 13 Jul 2022 11:55

Tgt Ion:	180	Resp:	1777
Ion Ratio	Lower	Upper	
180	100		
182	90.5	47.8	143.3
145	18.3	15.5	46.5

