

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073457.D
 Acq On : 14 Jul 2022 12:34
 Operator : JC\MD
 Sample : VN0714MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714MBL01

Quant Time: Jul 15 02:00:43 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	249548	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	427828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	375685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	171043	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	168999	46.912	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.820%
35) Dibromofluoromethane	7.951	113	140290	49.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	10.380	98	445164	44.034	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.060%
62) 4-Bromofluorobenzene	12.668	95	183184	47.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.300%

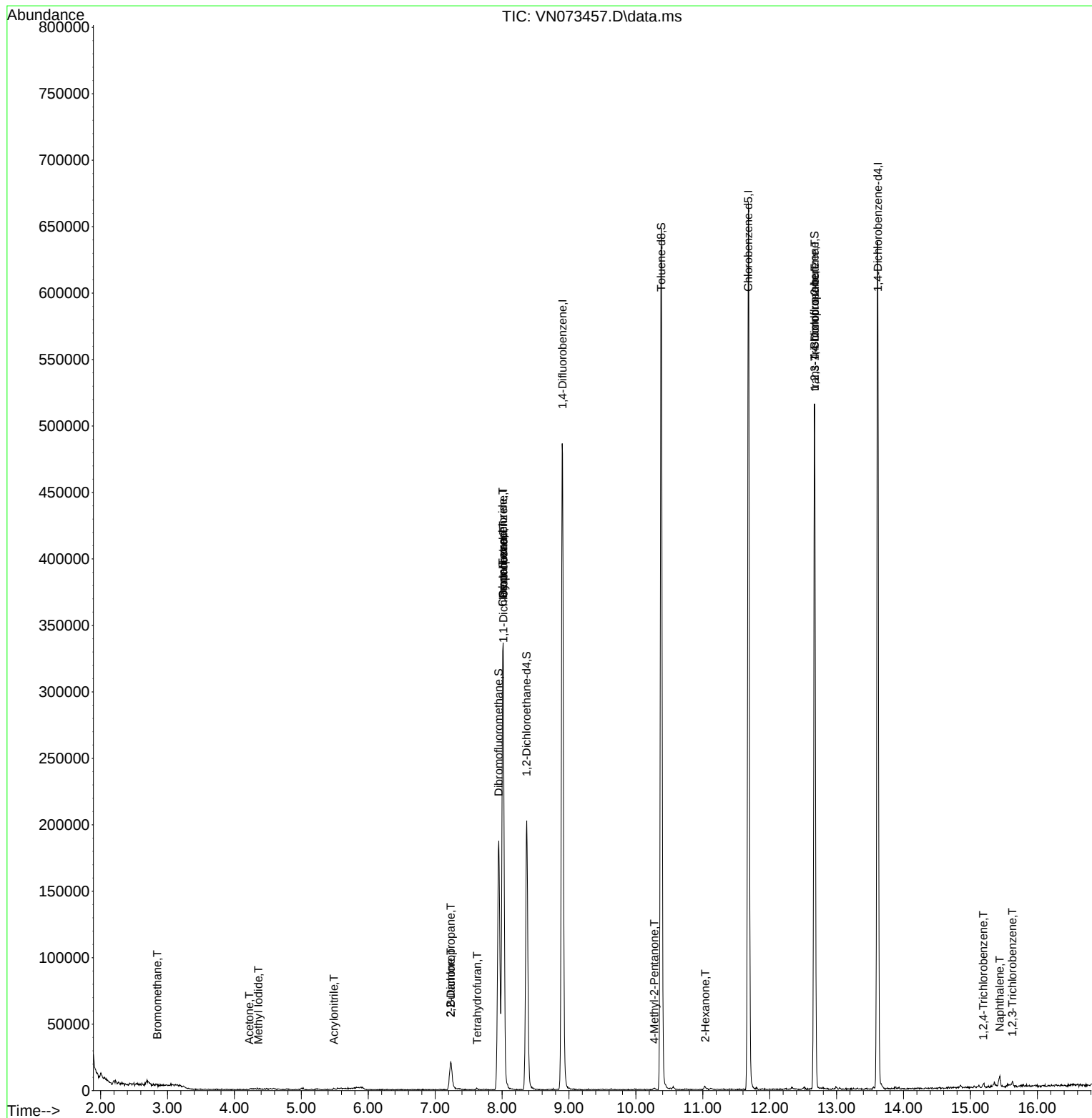
Target Compounds					Qvalue
5) Bromomethane	2.846	94	454	0.319	ug/l # 2
10) Methyl Iodide	4.357	142	379	3.819	ug/l # 61
15) Acrylonitrile	5.487	53	674	0.300	ug/l # 56
16) Acetone	4.222	43	444	0.220	ug/l # 42
25) 2-Butanone	7.234	43	807	0.251	ug/l # 45
26) 2,2-Dichloropropane	7.234	77	1571	0.284	ug/l # 53
29) Tetrahydrofuran	7.628	42	858	0.389	ug/l # 40
31) Cyclohexane	8.016	56	5909	1.002	ug/l # 15
36) 1,1-Dichloropropene	8.022	75	22339	5.101	ug/l # 48
38) Carbon Tetrachloride	8.010	117	26444	5.839	ug/l # 16
51) 4-Methyl-2-Pentanone	10.274	43	1341	0.222	ug/l # 57
59) 2-Hexanone	11.039	43	2172	0.472	ug/l 87
76) 1,2,3-Trichloropropane	12.674	75	97849	21.878	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.674	75	97849	60.000	ug/l # 10
93) 1,2,4-Trichlorobenzene	15.192	180	1500	0.459	ug/l 81
95) Naphthalene	15.439	128	8016	0.608	ug/l 97
96) 1,2,3-Trichlorobenzene	15.627	180	1915	0.568	ug/l 86

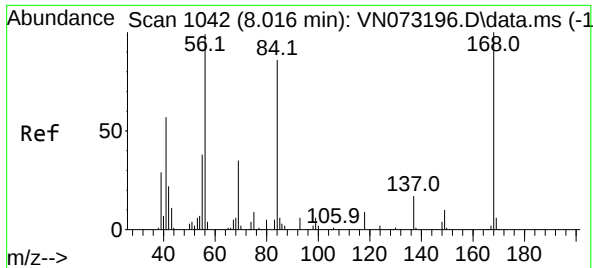
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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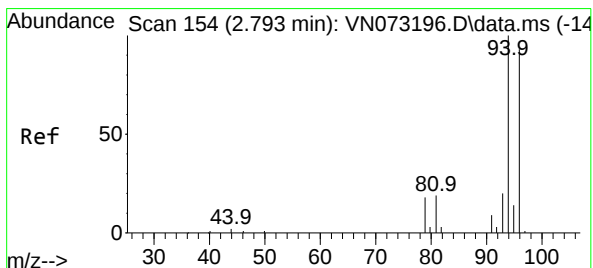
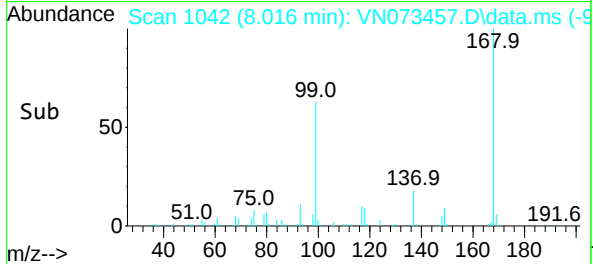
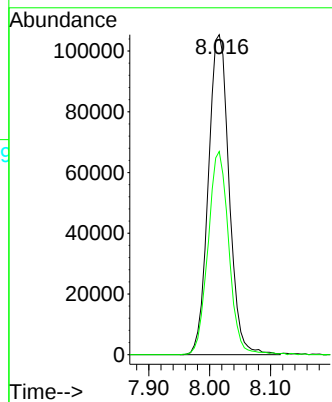
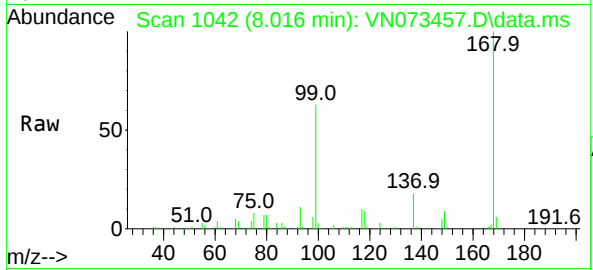




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

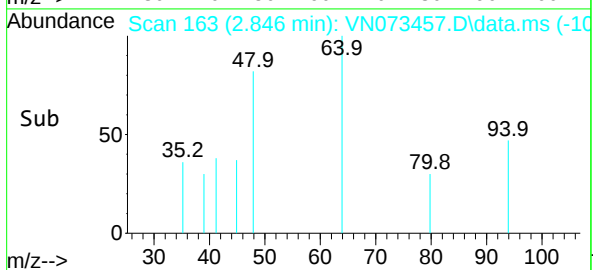
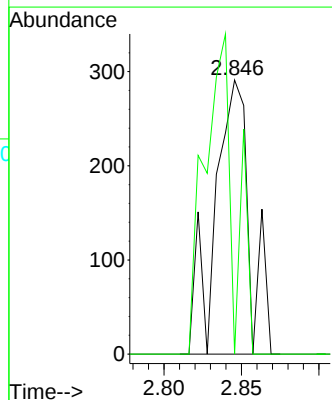
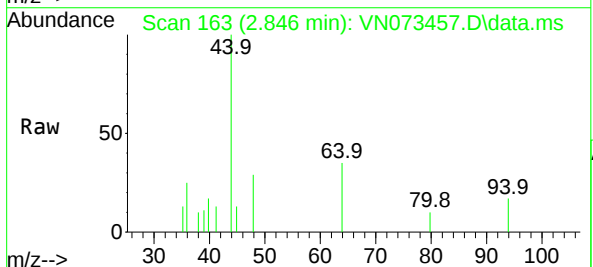
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

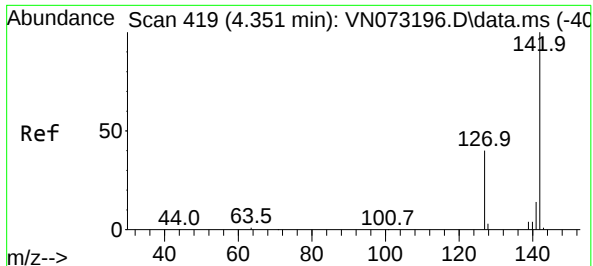
Tgt Ion:168 Resp: 249548
Ion Ratio Lower Upper
168 100
99 63.5 42.3 63.5#



#5
Bromomethane
Concen: 0.319 ug/l
RT: 2.846 min Scan# 163
Delta R.T. 0.053 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion: 94 Resp: 454
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

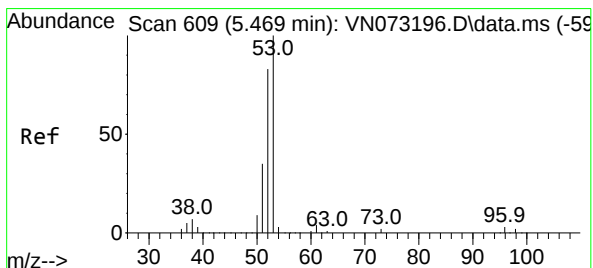
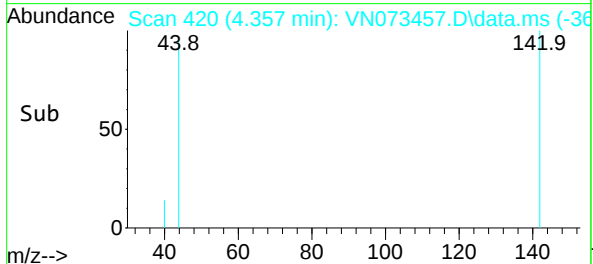
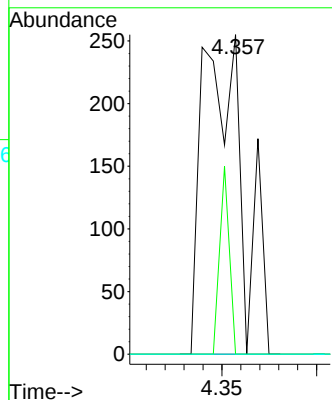
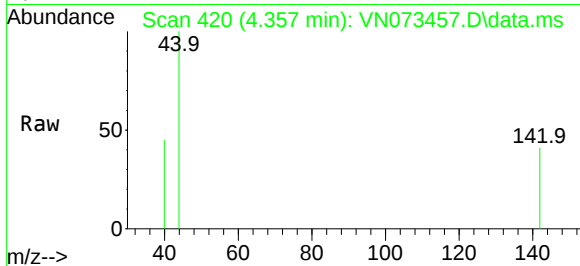




#10
Methyl Iodide
Concen: 3.819 ug/l
RT: 4.357 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

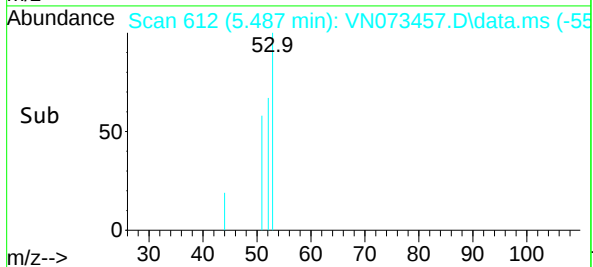
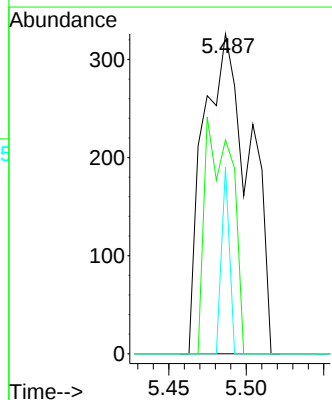
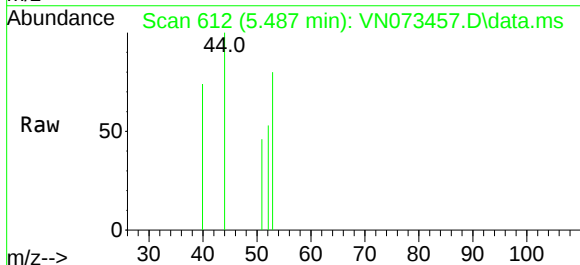
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

Tgt Ion:142 Resp: 379
Ion Ratio Lower Upper
142 100
127 14.0 31.3 46.9#
141 0.0 11.2 16.8#



#15
Acrylonitrile
Concen: 0.300 ug/l
RT: 5.487 min Scan# 612
Delta R.T. 0.018 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion: 53 Resp: 674
Ion Ratio Lower Upper
53 100
52 43.2 66.4 99.6#
51 9.9 28.5 42.7#

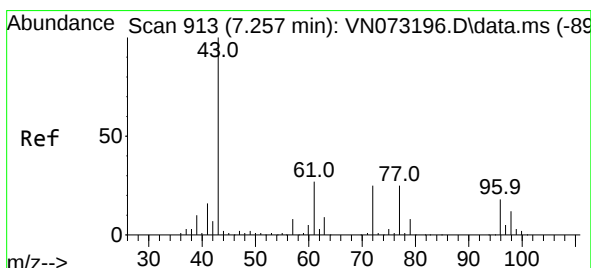
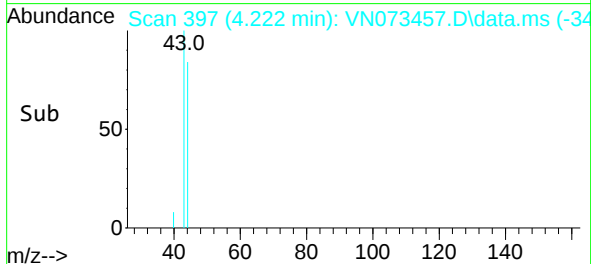
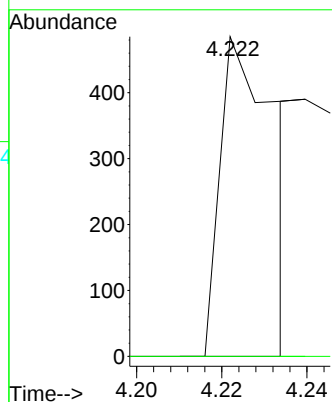
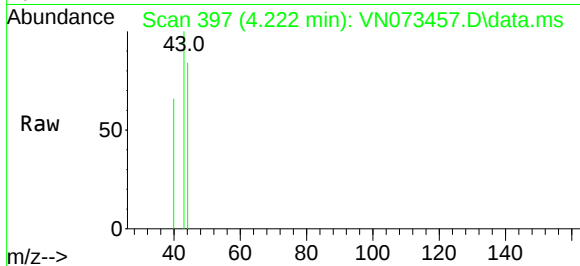




#16
Acetone
Concen: 0.220 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

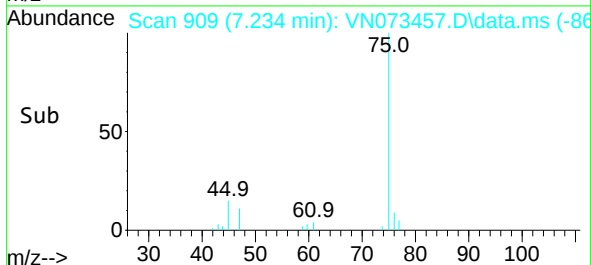
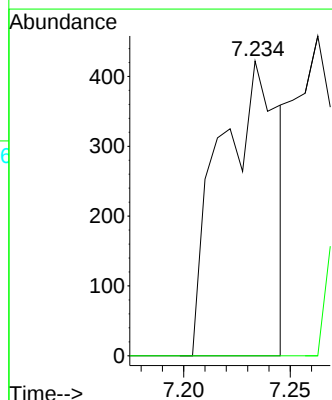
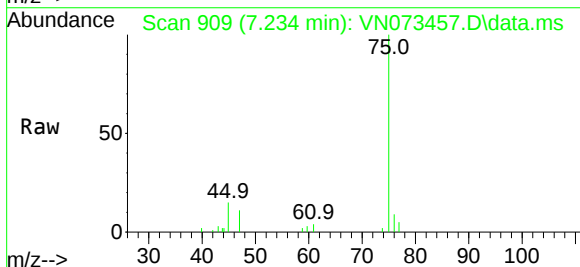
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

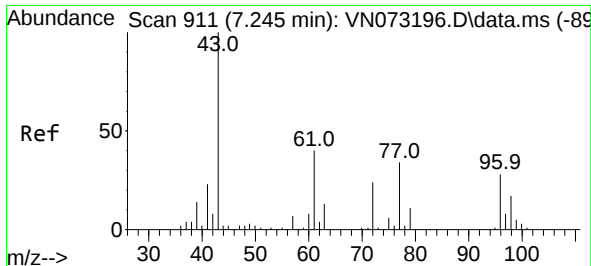
Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#25
2-Butanone
Concen: 0.251 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.023 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.284 ug/l

RT: 7.234 min Scan# 911

Delta R.T. -0.011 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

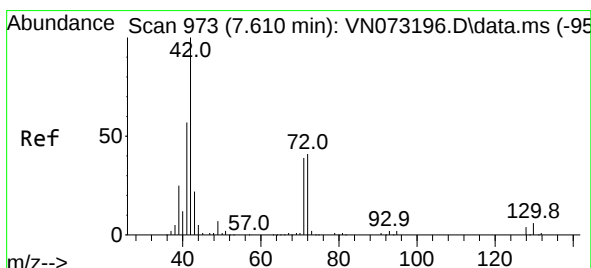
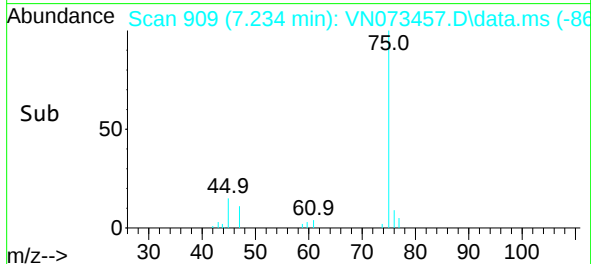
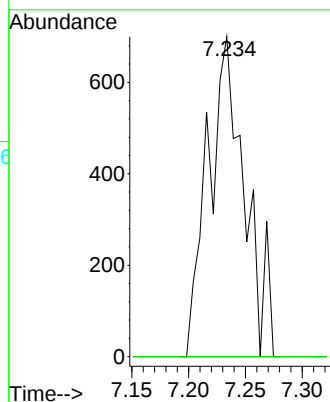
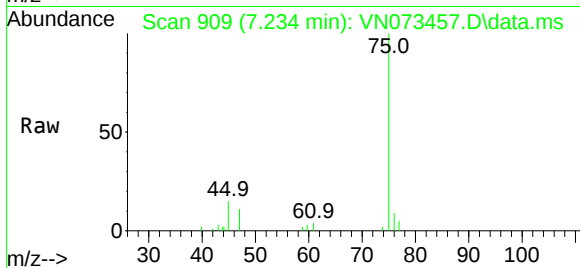
VN0714MBL01

Tgt Ion: 77 Resp: 1571

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

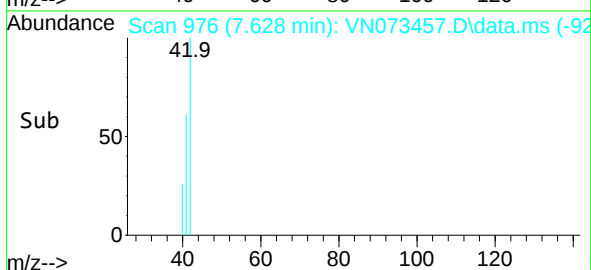
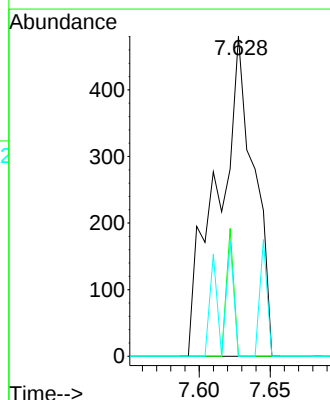
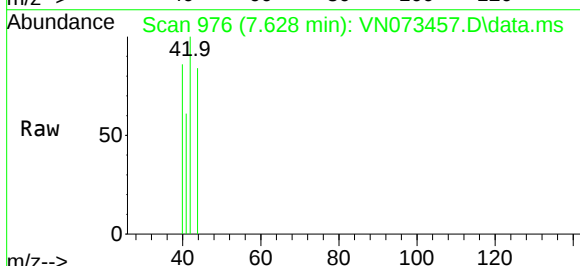
Tgt Ion: 42 Resp: 858

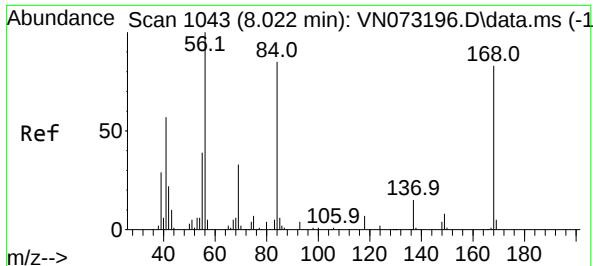
Ion Ratio Lower Upper

42 100

72 7.9 39.7 59.5#

71 6.3 36.6 55.0#





#31

Cyclohexane

Concen: 1.002 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

Instrument :

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ClientSampleId :

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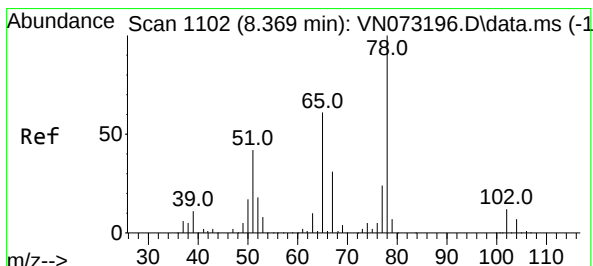
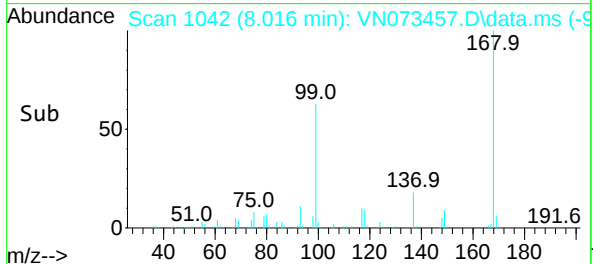
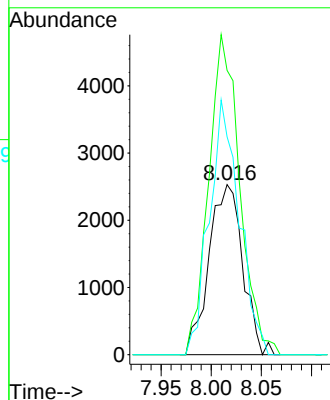
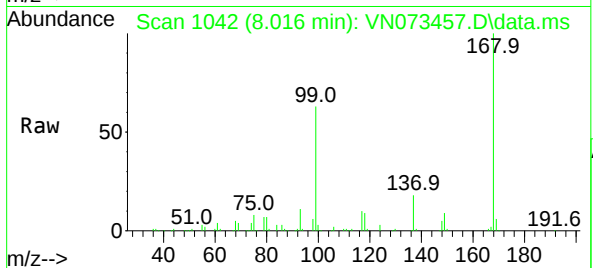
Tgt Ion: 56 Resp: 5909

Ion Ratio Lower Upper

56 100

69 167.2 27.8 41.8#

84 128.2 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.912 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073457.D

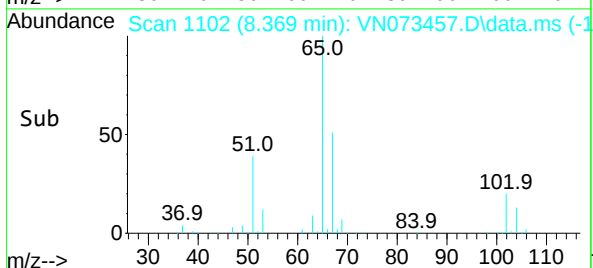
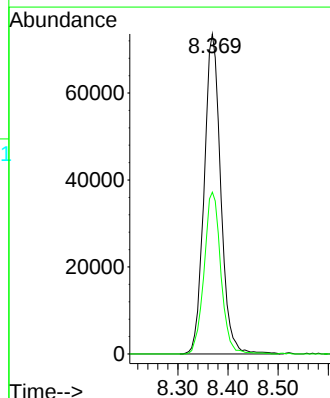
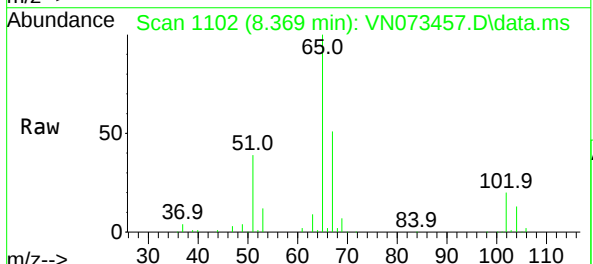
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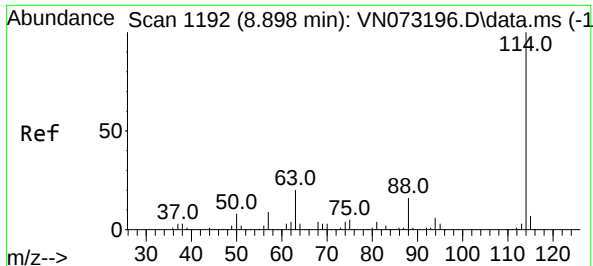
Tgt Ion: 65 Resp: 168999

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8

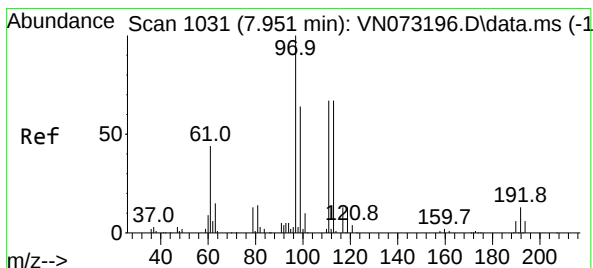
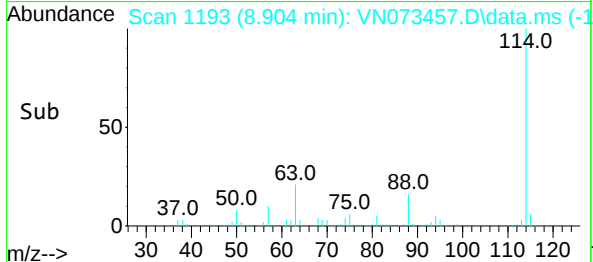
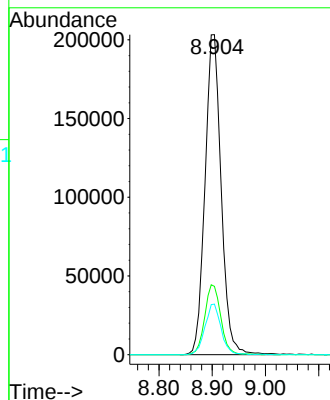
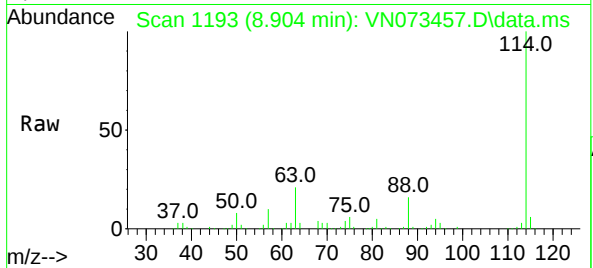




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

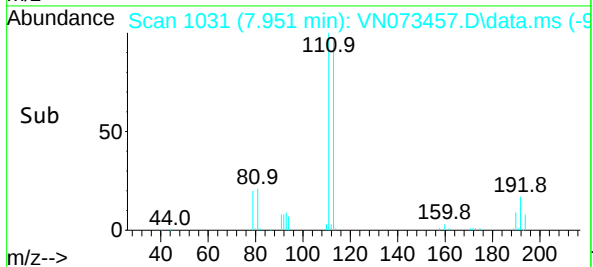
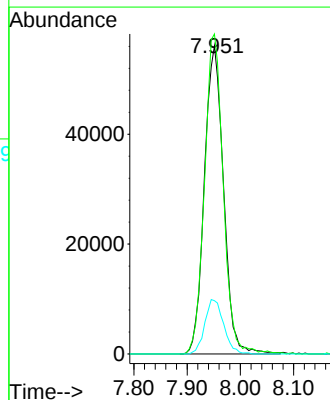
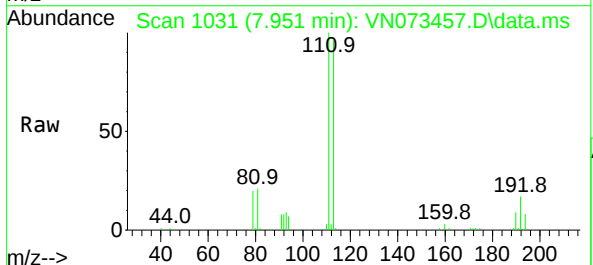
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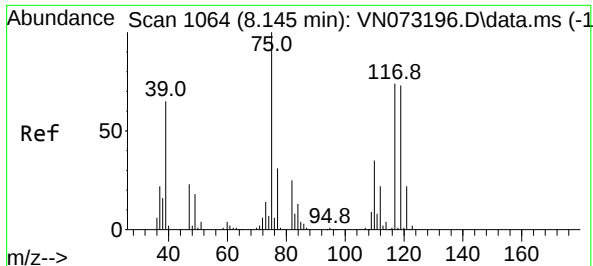
Tgt Ion:114 Resp: 427828
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.287 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion:113 Resp: 140290
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 17.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.101 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0714MBL01

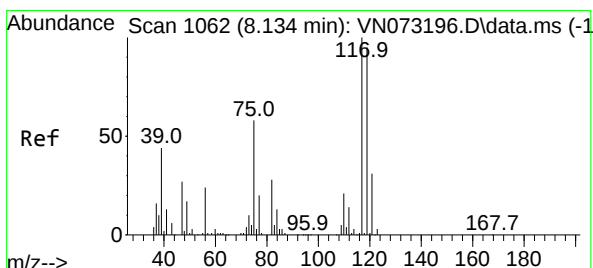
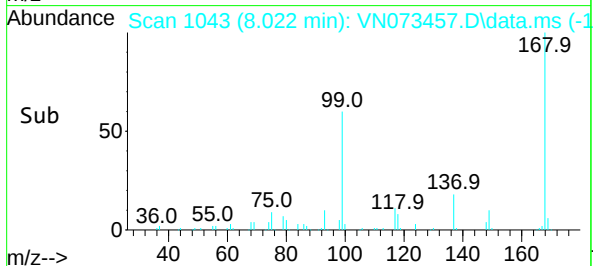
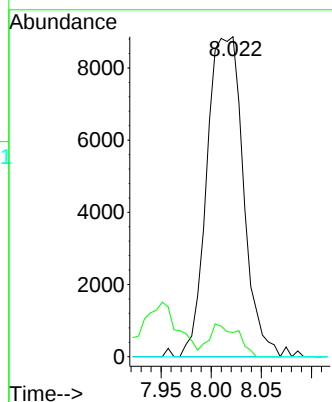
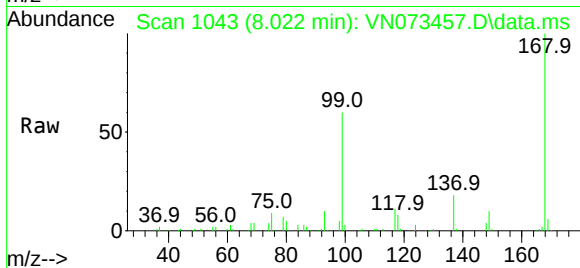
Tgt Ion: 75 Resp: 22339

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.124 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

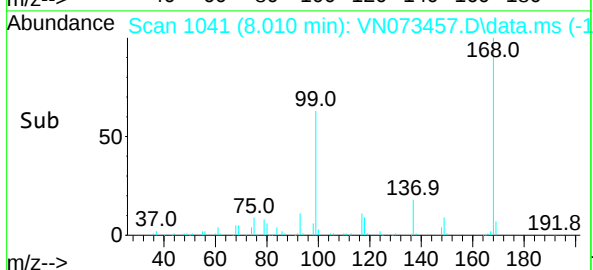
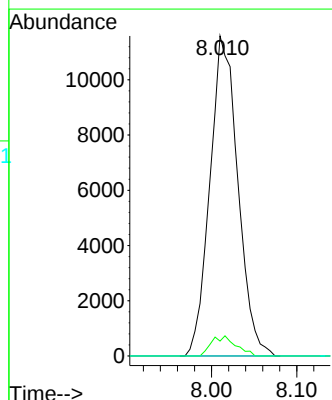
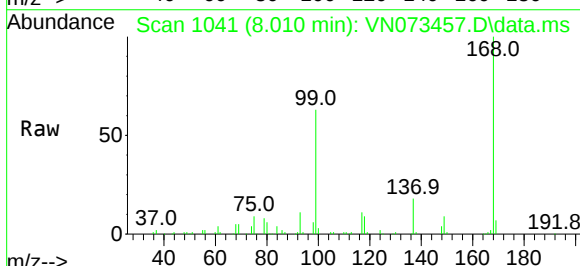
Tgt Ion: 117 Resp: 26444

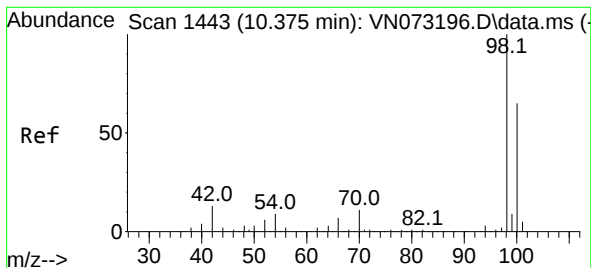
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 44.034 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

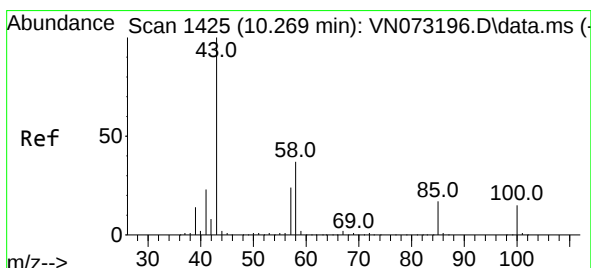
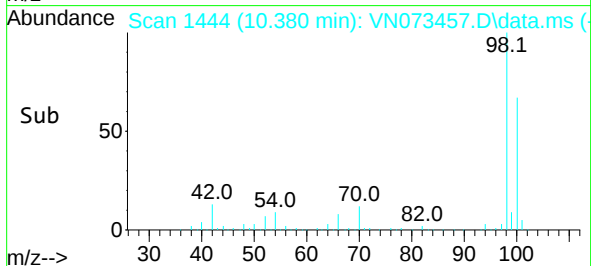
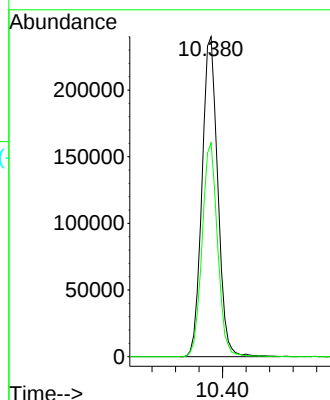
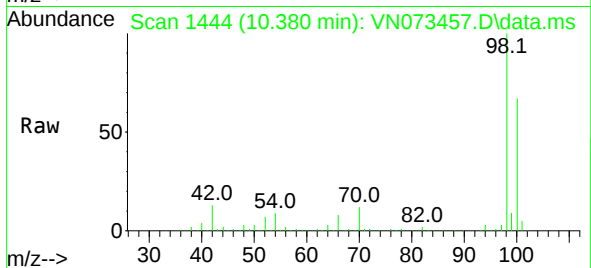
VN0714MBL01

Tgt Ion: 98 Resp: 445164

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.222 ug/l

RT: 10.274 min Scan# 1426

Delta R.T. 0.005 min

Lab File: VN073457.D

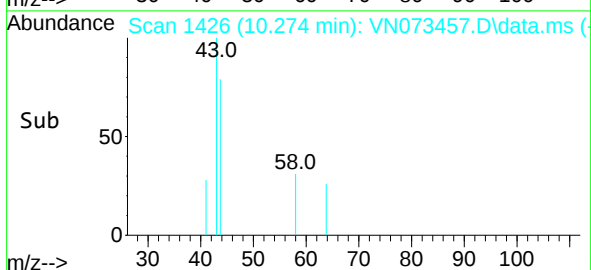
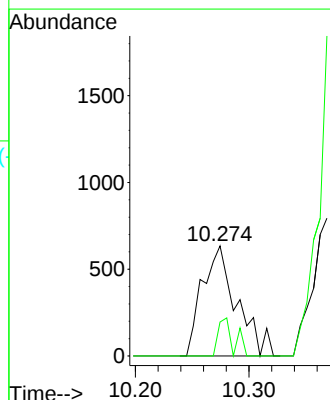
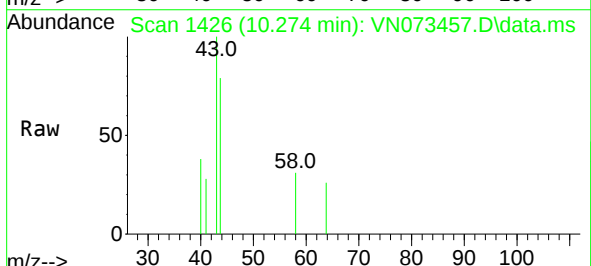
Acq: 14 Jul 2022 12:34

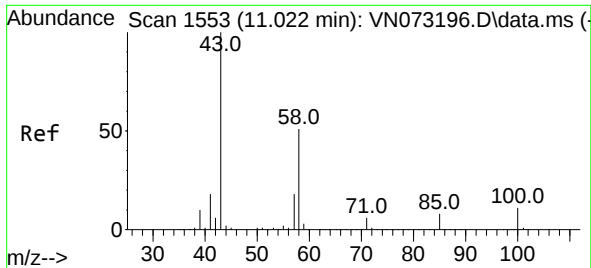
Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

58 15.2 34.1 51.1#

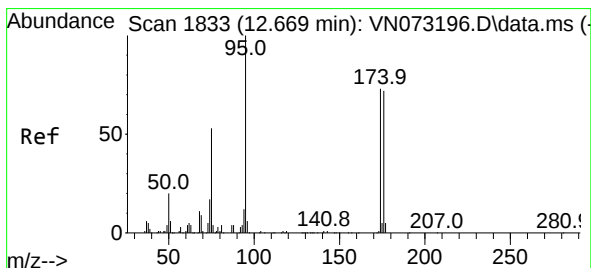
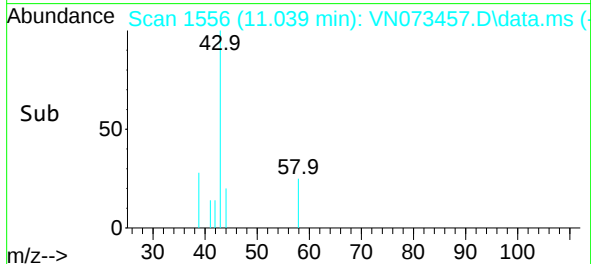
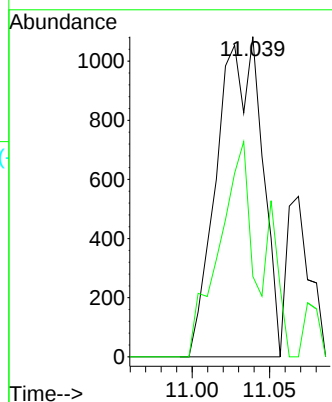
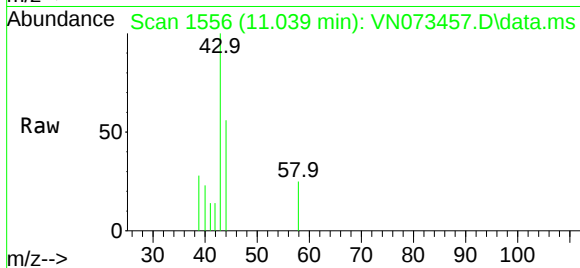




#59
2-Hexanone
Concen: 0.472 ug/l
RT: 11.039 min Scan# 1556
Delta R.T. 0.017 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

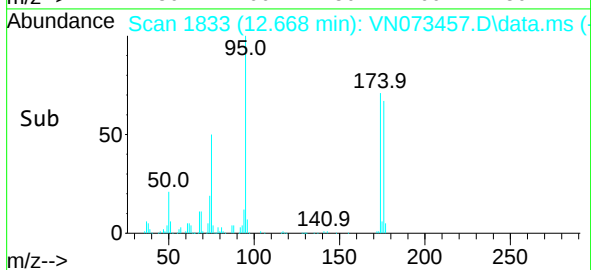
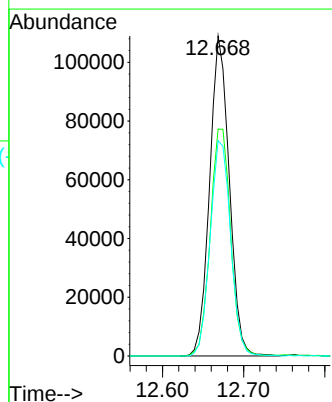
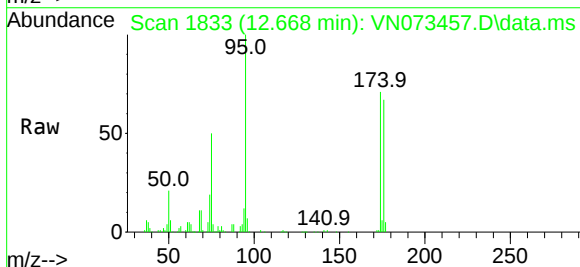
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

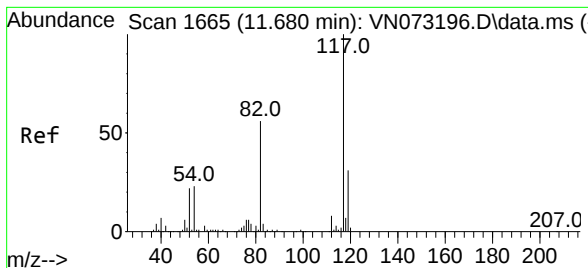
Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
58 49.4 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.151 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion: 95 Resp: 183184
Ion Ratio Lower Upper
95 100
174 73.7 0.0 167.6
176 69.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073457.D

Acq: 14 Jul 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0714MBL01

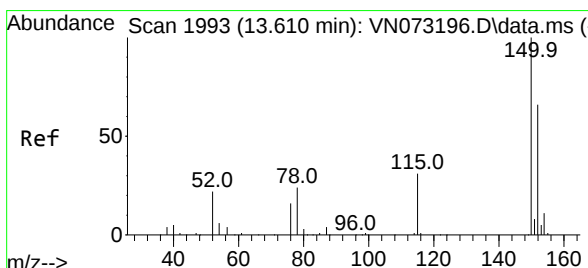
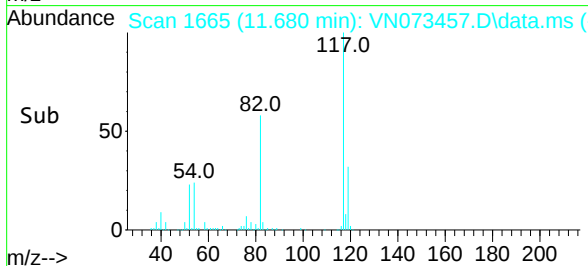
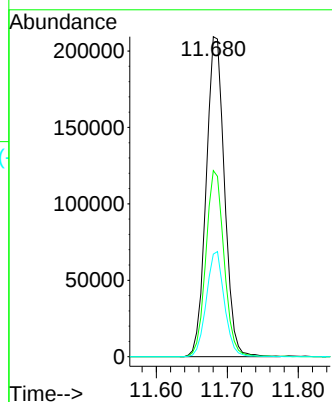
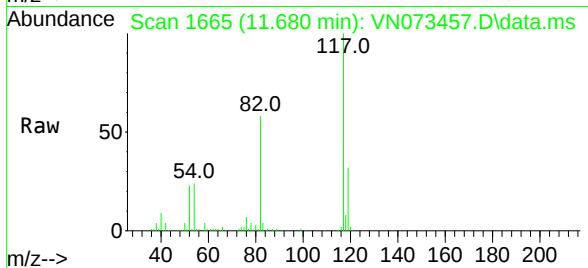
Tgt Ion:117 Resp: 375685

Ion Ratio Lower Upper

117 100

82 58.2 44.2 66.2

119 32.0 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: VN073457.D

Acq: 14 Jul 2022 12:34

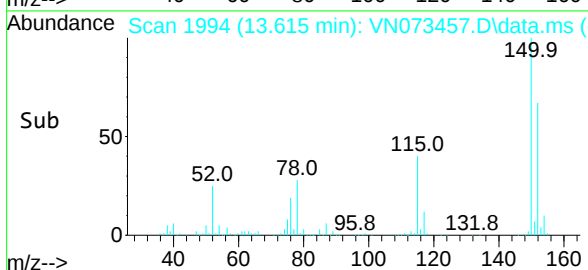
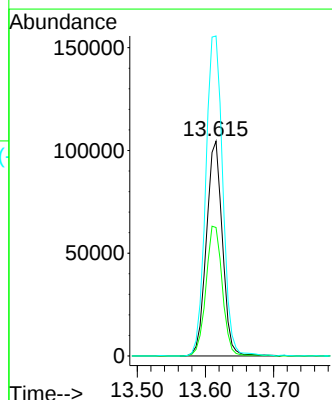
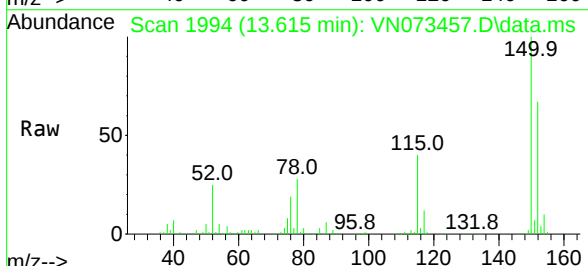
Tgt Ion:152 Resp: 171043

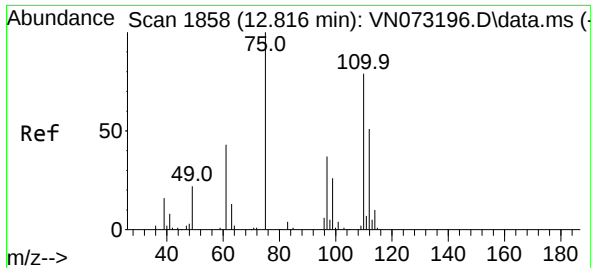
Ion Ratio Lower Upper

152 100

115 61.4 28.9 86.7

150 158.2 0.0 356.2

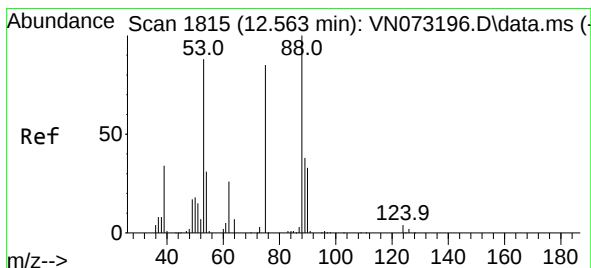
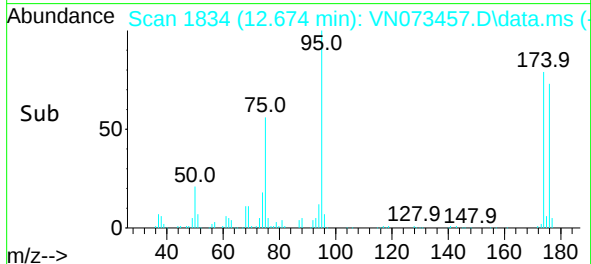
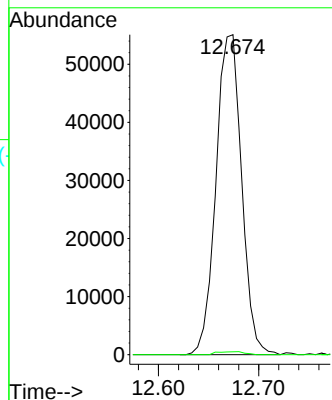
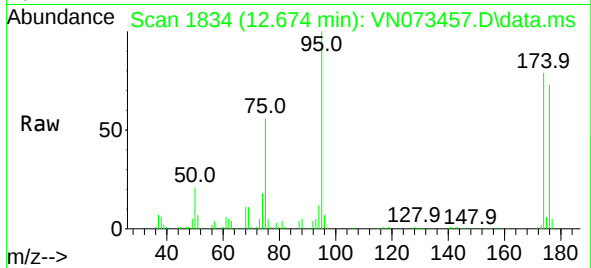




#76
1,2,3-Trichloropropane
Concen: 21.878 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

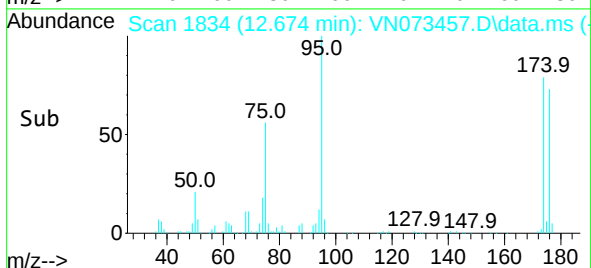
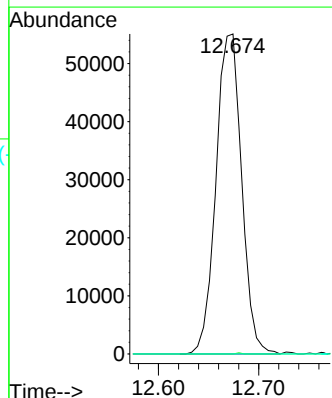
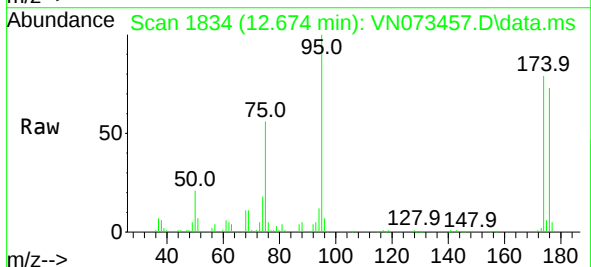
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

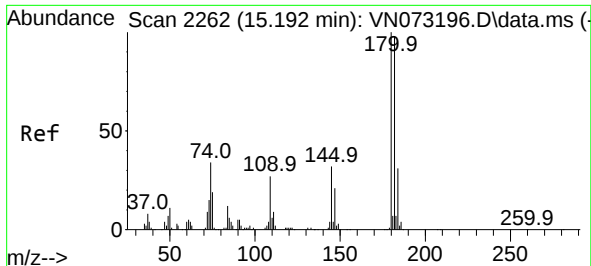
Tgt Ion: 75 Resp: 97849
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.000 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

Tgt Ion: 75 Resp: 97849
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

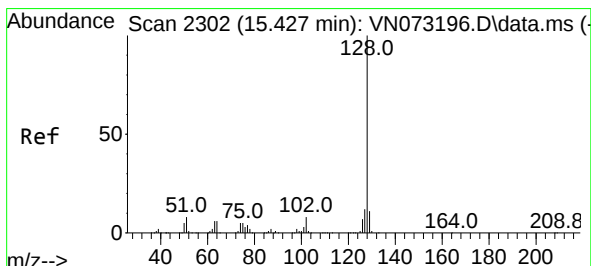
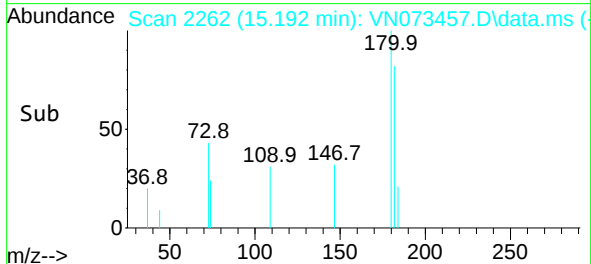
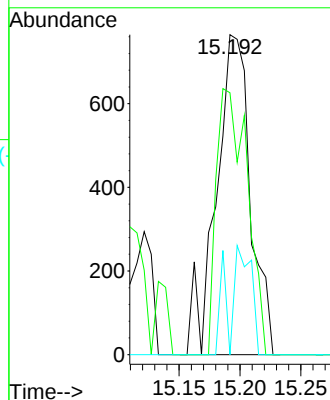
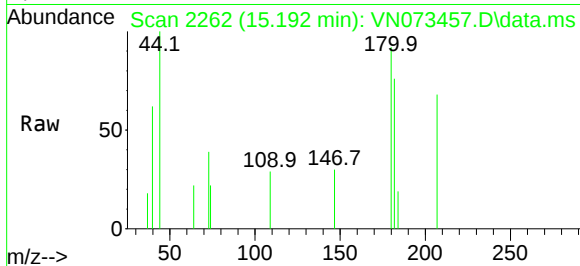




#93
1,2,4-Trichlorobenzene
Concen: 0.459 ug/l
RT: 15.192 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

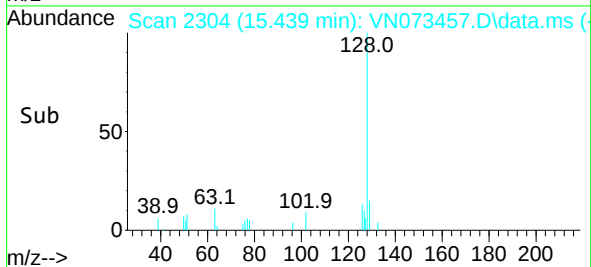
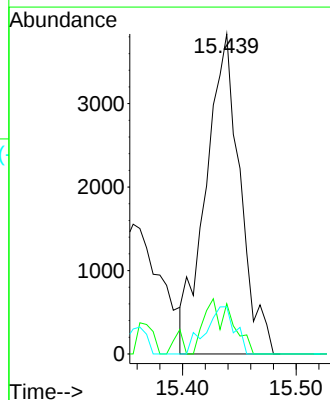
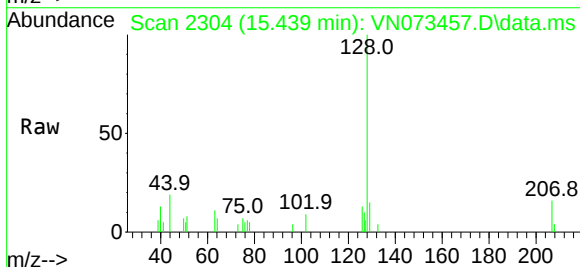
Instrument :
MSVOA_N
ClientSampleId :
VN0714MBL01

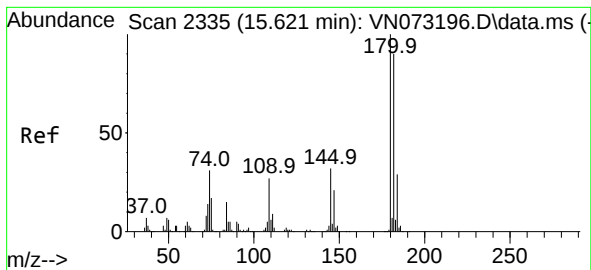
Tgt Ion:180 Resp: 1500
Ion Ratio Lower Upper
180 100
182 74.9 47.5 142.5
145 22.3 14.5 43.5



#95
Naphthalene
Concen: 0.608 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.012 min
Lab File: VN073457.D
Acq: 14 Jul 2022 12:34

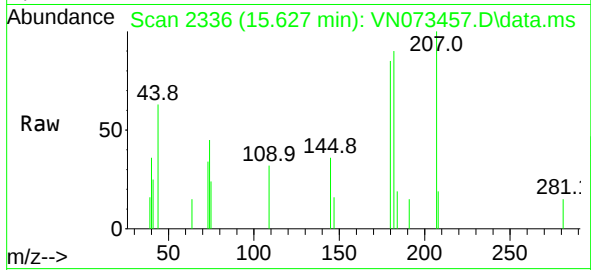
Tgt Ion:128 Resp: 8016
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 12.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.568 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073457.D
 Acq: 14 Jul 2022 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714MBL01



Tgt Ion:	180	Resp:	1915
Ion	Ratio	Lower	Upper
180	100		
182	82.9	47.8	143.3
145	21.1	15.5	46.5

