

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073908.D
 Acq On : 15 Aug 2022 20:24
 Operator : JC\MD
 Sample : N4153-01RE
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-081022

Quant Time: Aug 16 00:00:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 23:50:46 2022
 Response via : Initial Calibration

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

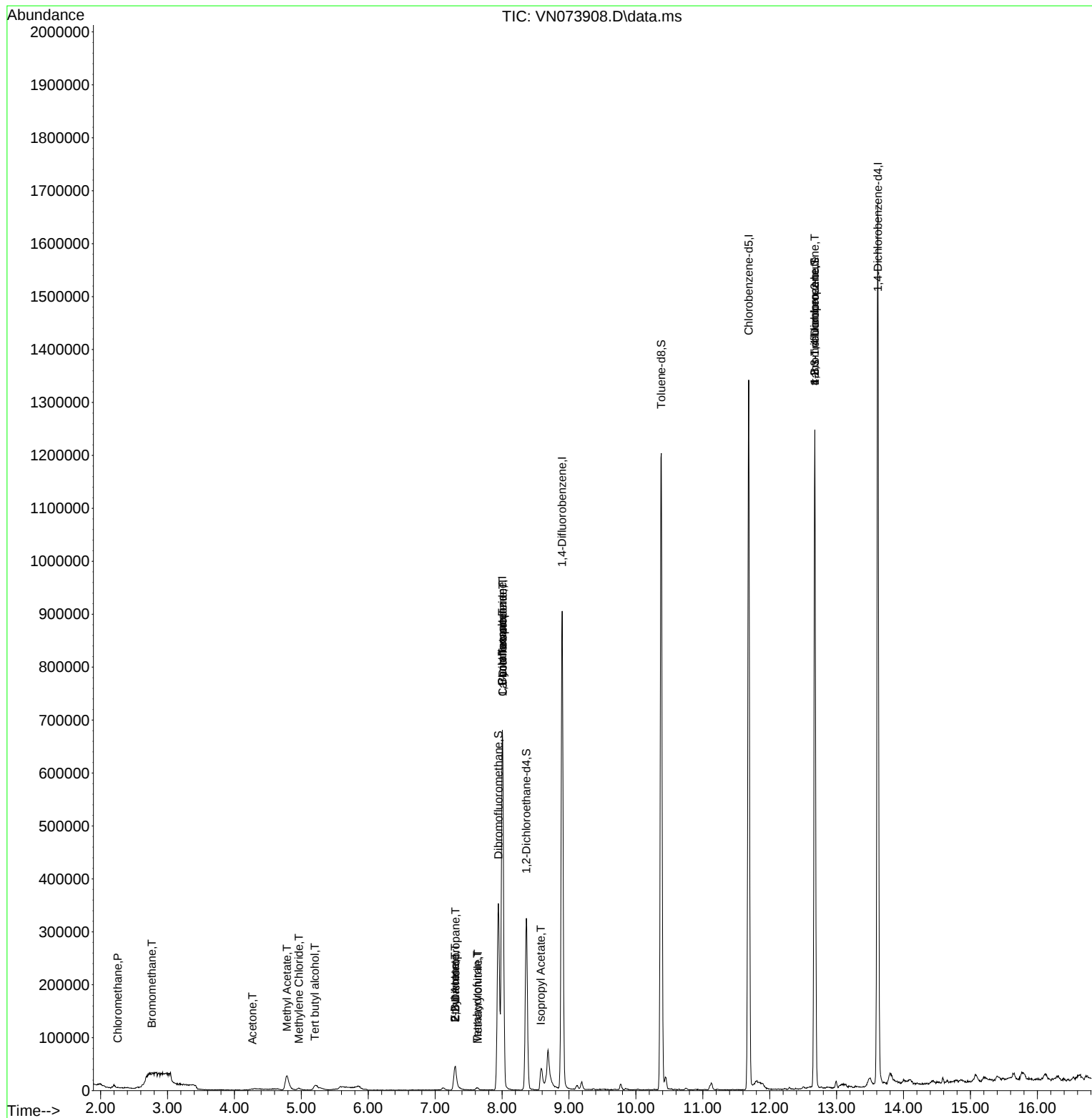
Internal Standards						
1) Pentafluorobenzene	8.004	168	604472	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	853715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	831921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	478168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	273383	46.434	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.860%
35) Dibromofluoromethane	7.945	113	257425	50.988	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.980%
50) Toluene-d8	10.380	98	902284	46.144	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.674	95	400851	61.770	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	123.540%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	1411	0.265	ug/l	99
5) Bromomethane	2.763	94	907	0.212	ug/l #	42
11) Tert butyl alcohol	5.204	59	10490	7.965	ug/l #	74
16) Acetone	4.269	43	4434	1.596	ug/l #	42
18) Methyl Acetate	4.787	43	68371	7.696	ug/l	98
20) Methylene Chloride	4.963	84	3191	0.544	ug/l #	95
25) 2-Butanone	7.298	43	4038	0.917	ug/l #	76
26) 2,2-Dichloropropane	7.304	77	3729	0.426	ug/l #	53
29) Tetrahydrofuran	7.628	42	3182	1.126	ug/l	98
31) Cyclohexane	8.004	56	9968	1.215	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	37755	5.384	ug/l #	49
37) Ethyl Acetate	7.298	43	4038	0.475	ug/l #	25
38) Carbon Tetrachloride	8.010	117	49677	6.198	ug/l #	15
41) Methacrylonitrile	7.639	41	1957	0.510	ug/l #	36
43) Isopropyl Acetate	8.581	43	30588	2.527	ug/l #	53
76) 1,2,3-Trichloropropane	12.674	75	195968	19.283	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	195968	56.081	ug/l #	10

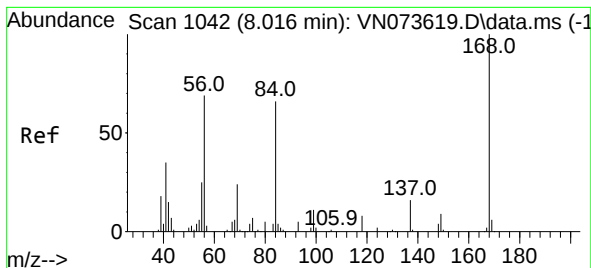
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.004 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

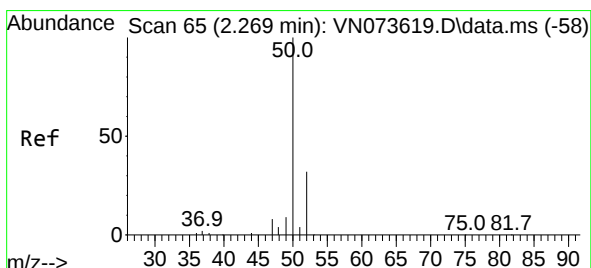
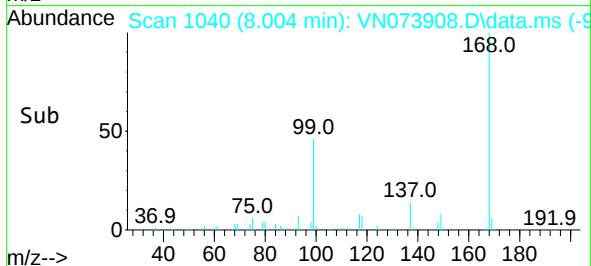
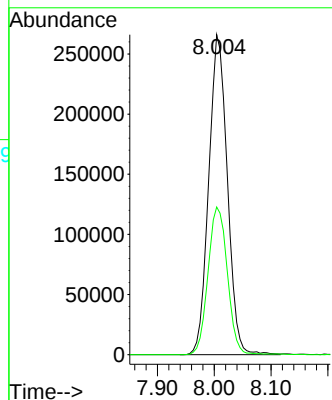
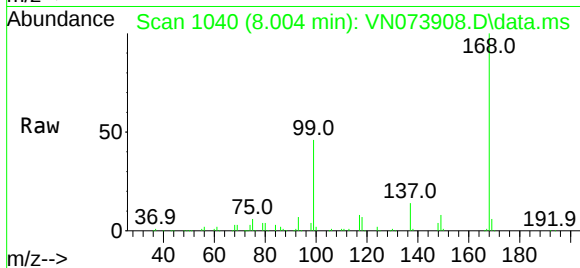
TR-04-081022

Tgt Ion:168 Resp: 604472

Ion Ratio Lower Upper

168 100

99 46.2 42.3 63.5



#3

Chloromethane

Concen: 0.265 ug/l

RT: 2.257 min Scan# 63

Delta R.T. -0.012 min

Lab File: VN073908.D

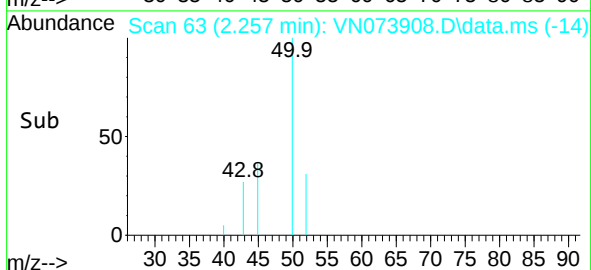
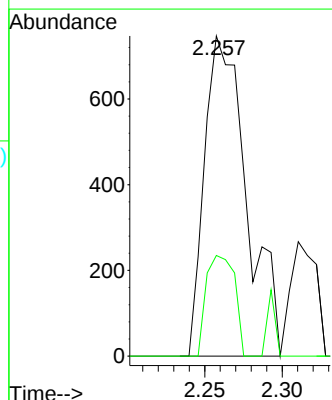
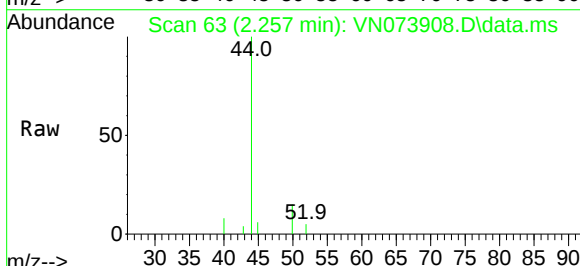
Acq: 15 Aug 2022 20:24

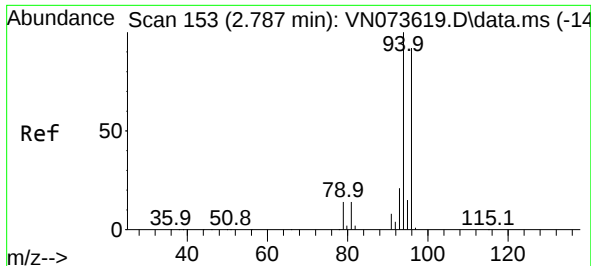
Tgt Ion: 50 Resp: 1411

Ion Ratio Lower Upper

50 100

52 31.5 25.7 38.5

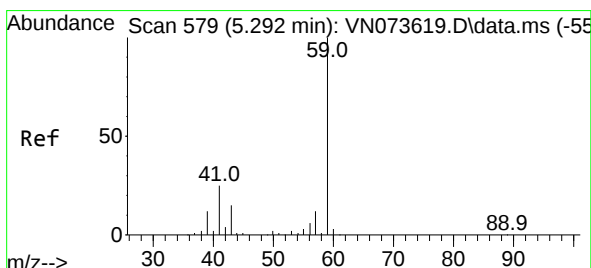
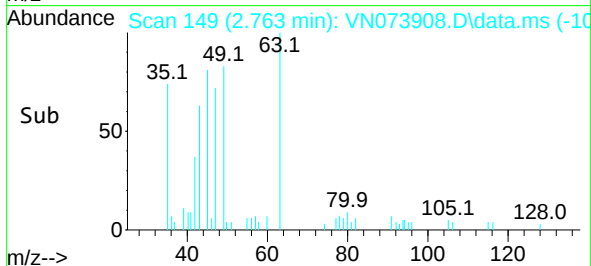
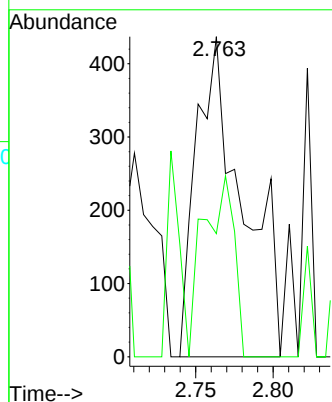
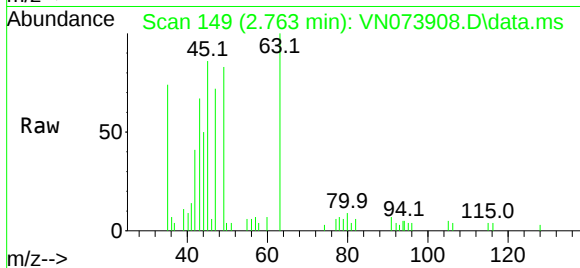




#5
Bromomethane
Concen: 0.212 ug/l
RT: 2.763 min Scan# 14
Delta R.T. -0.024 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

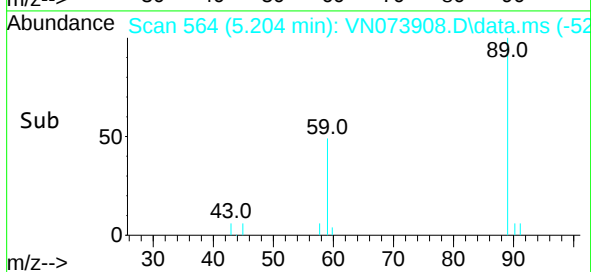
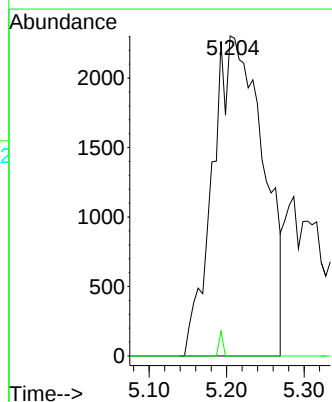
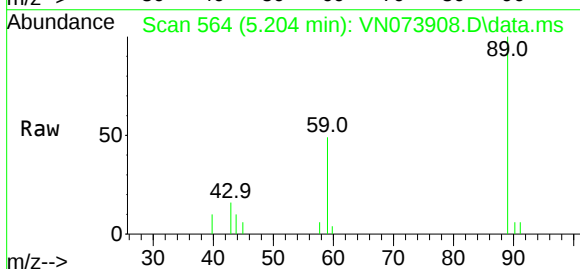
Instrument :
MSVOA_N
ClientSampleId :
TR-04-081022

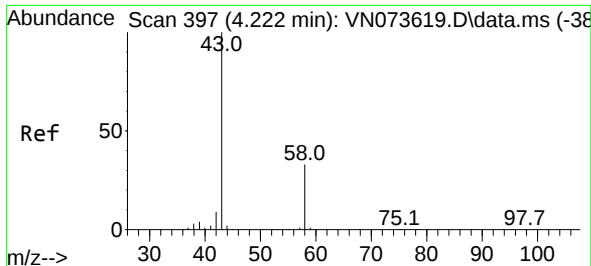
Tgt Ion: 94 Resp: 907
Ion Ratio Lower Upper
94 100
96 38.4 76.0 114.0#



#11
Tert butyl alcohol
Concen: 7.965 ug/l
RT: 5.204 min Scan# 564
Delta R.T. -0.088 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

Tgt Ion: 59 Resp: 10490
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#





#16

Acetone

Concen: 1.596 ug/l

RT: 4.269 min Scan# 405

Delta R.T. 0.047 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

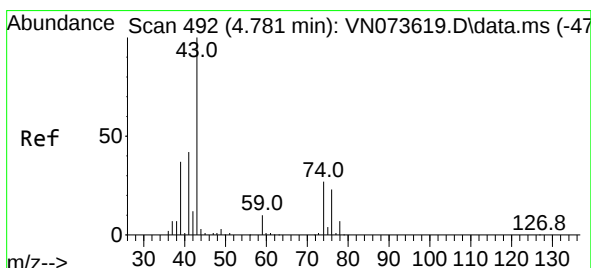
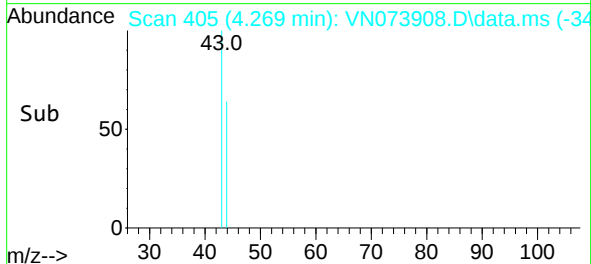
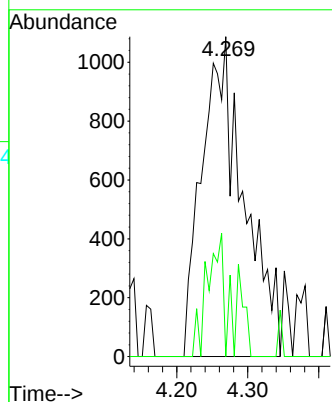
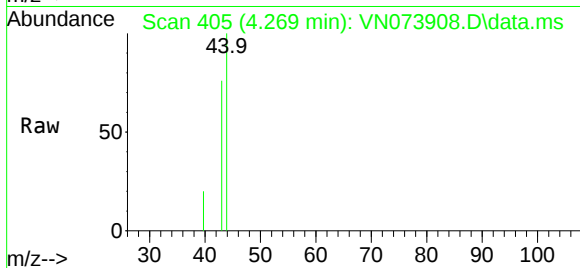
TR-04-081022

Tgt Ion: 43 Resp: 4434

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#18

Methyl Acetate

Concen: 7.696 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN073908.D

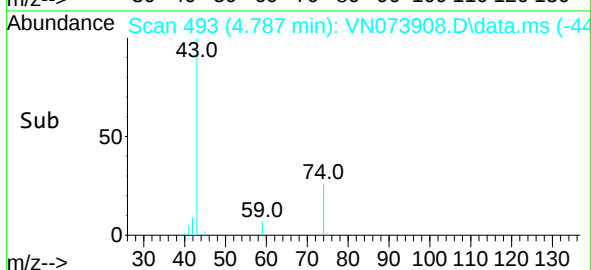
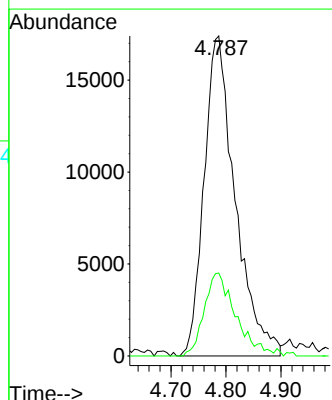
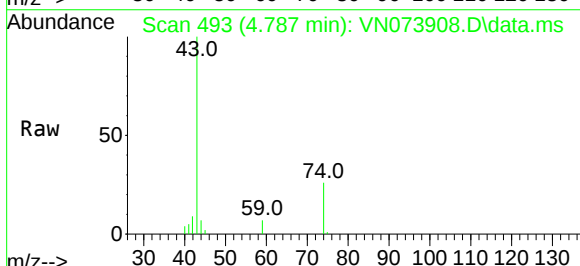
Acq: 15 Aug 2022 20:24

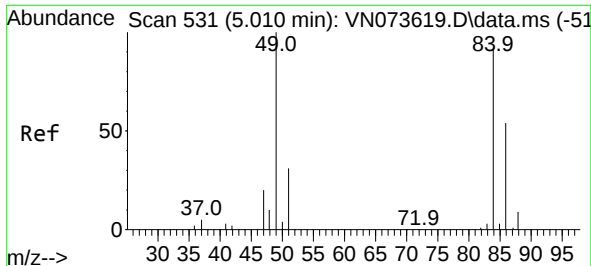
Tgt Ion: 43 Resp: 68371

Ion Ratio Lower Upper

43 100

74 26.1 21.6 32.4





#20

Methylene Chloride

Concen: 0.544 ug/l

RT: 4.963 min Scan# 51

Delta R.T. -0.047 min

Lab File: VN073908.D

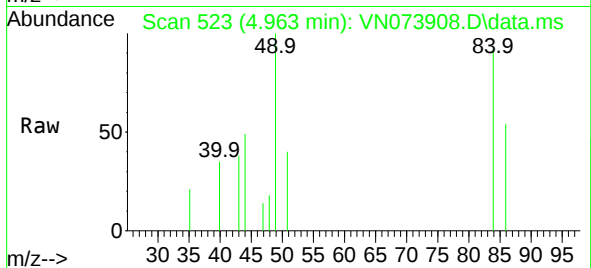
Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081022



Tgt Ion: 84 Resp: 3191

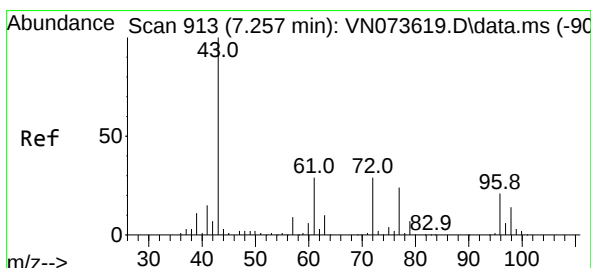
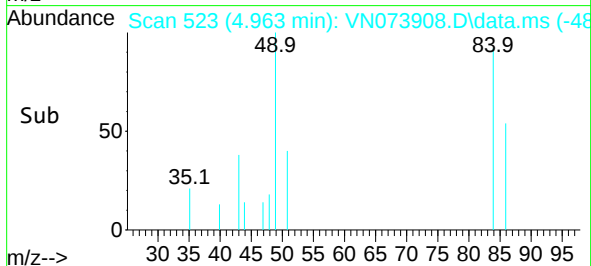
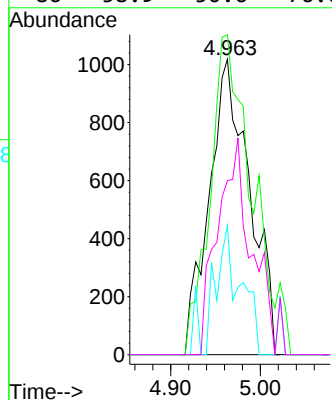
Ion Ratio Lower Upper

84 100

49 108.3 88.3 132.5

51 43.6 28.2 42.2#

86 58.9 50.6 76.0



#25

2-Butanone

Concen: 0.917 ug/l

RT: 7.298 min Scan# 920

Delta R.T. 0.041 min

Lab File: VN073908.D

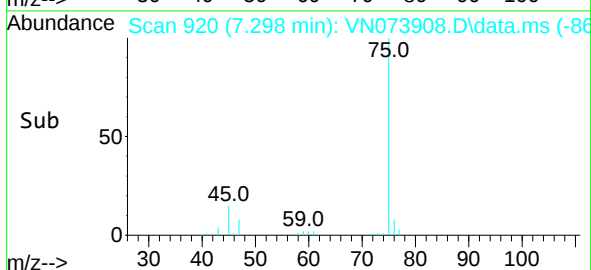
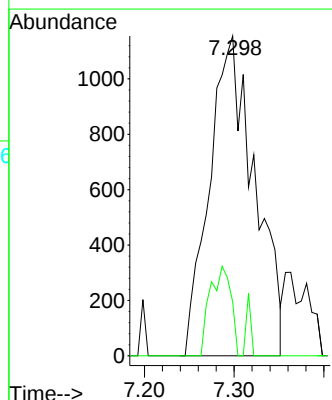
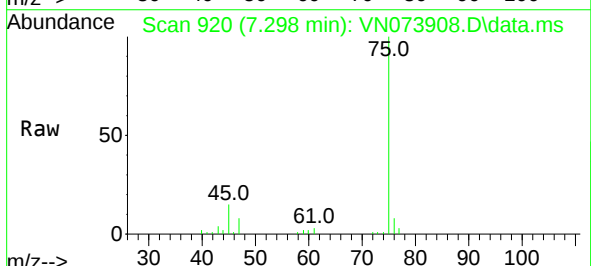
Acq: 15 Aug 2022 20:24

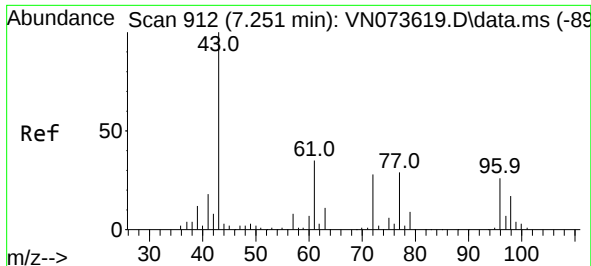
Tgt Ion: 43 Resp: 4038

Ion Ratio Lower Upper

43 100

72 16.9 23.7 35.5#

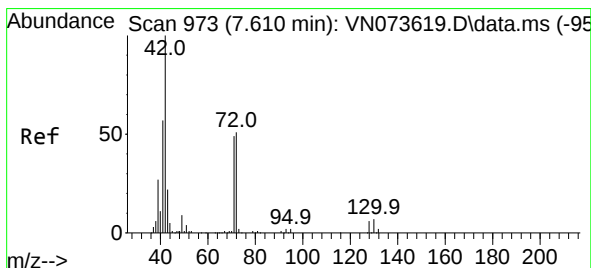
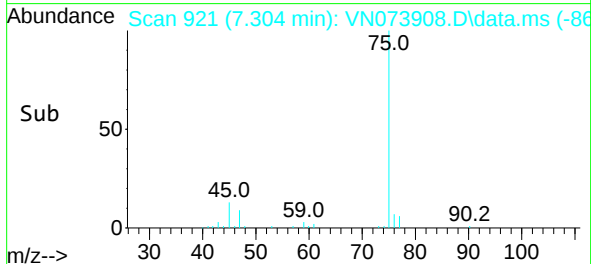
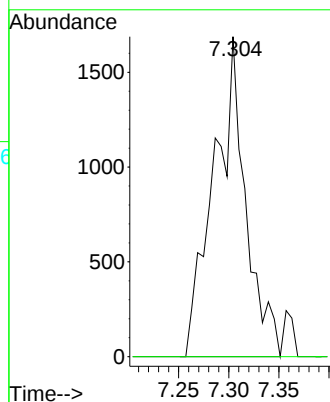
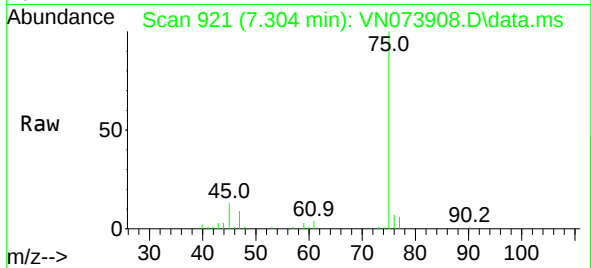




#26
2,2-Dichloropropane
Concen: 0.426 ug/l
RT: 7.304 min Scan# 912
Delta R.T. 0.053 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

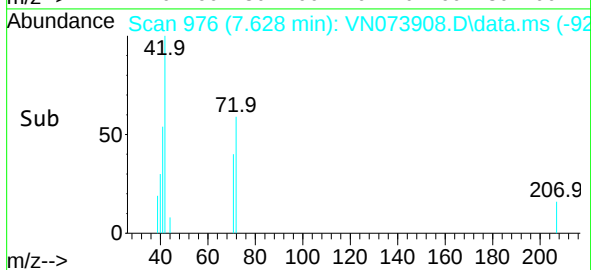
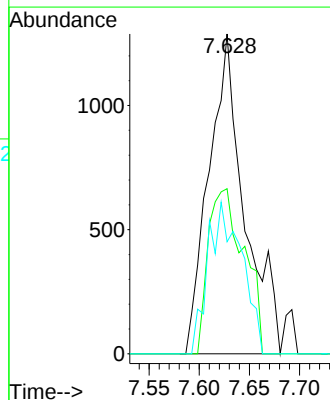
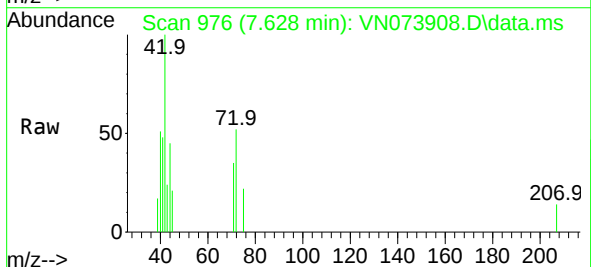
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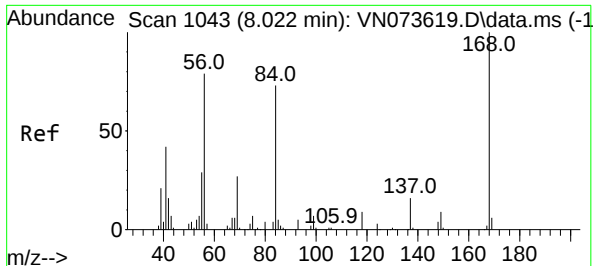
Tgt Ion: 77 Resp: 3729
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 1.126 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

Tgt Ion: 42 Resp: 3182
Ion Ratio Lower Upper
42 100
72 52.0 39.7 59.5
71 44.9 36.6 55.0

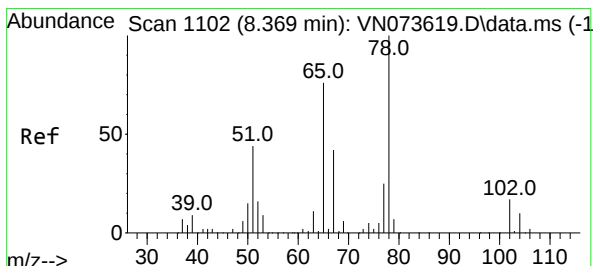
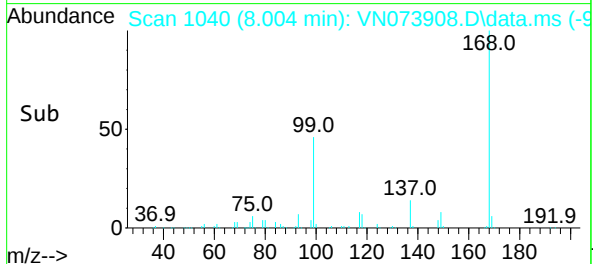
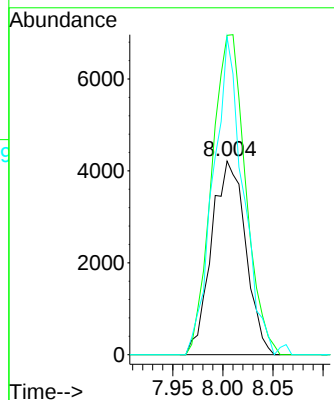
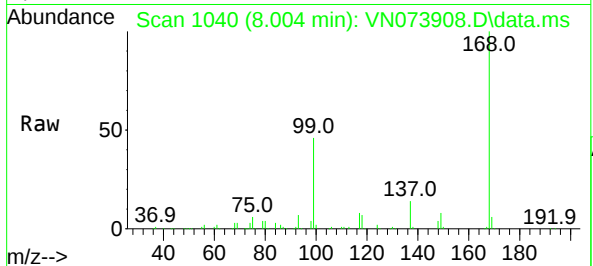




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.004 min Scan# 1100
Delta R.T. -0.018 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

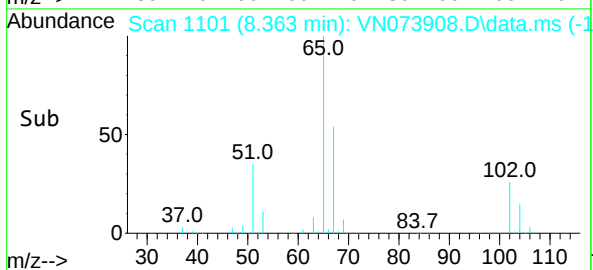
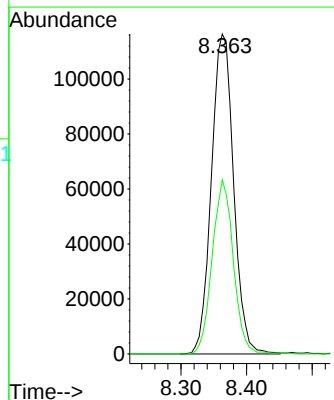
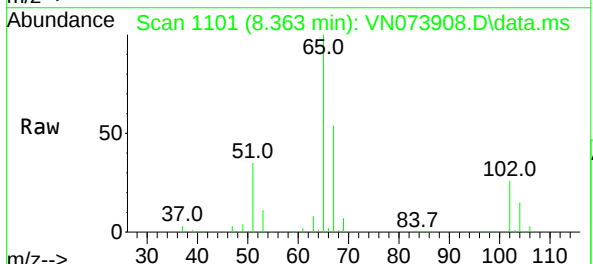
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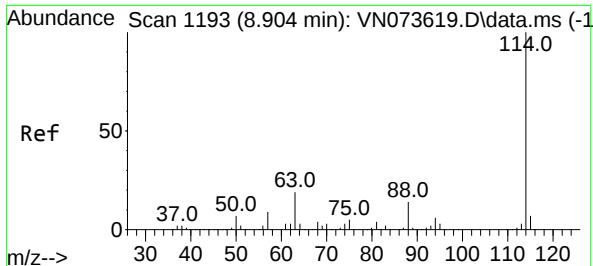
Tgt Ion: 56 Resp: 9968
Ion Ratio Lower Upper
56 100
69 164.9 27.8 41.8#
84 163.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

Tgt Ion: 65 Resp: 273383
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081022

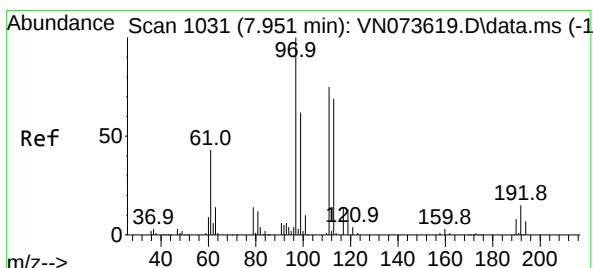
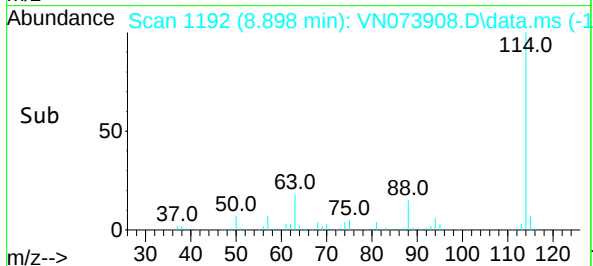
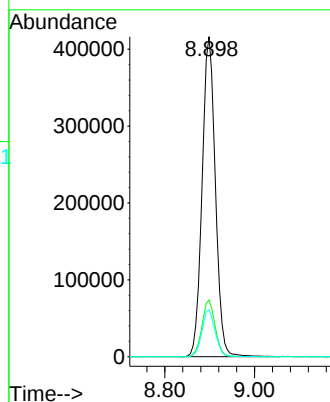
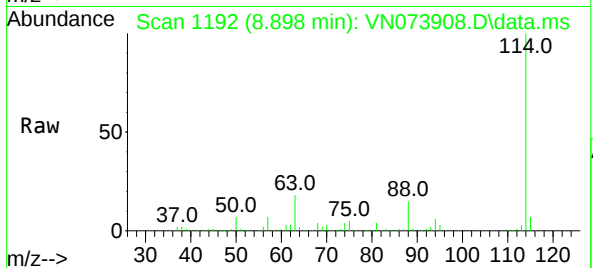
Tgt Ion:114 Resp: 853715

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.988 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

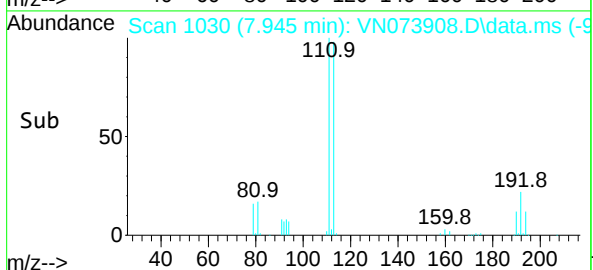
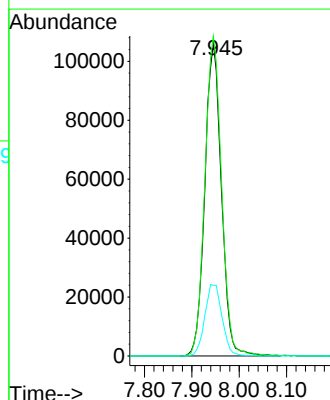
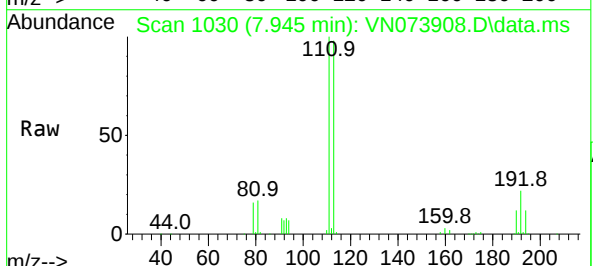
Tgt Ion:113 Resp: 257425

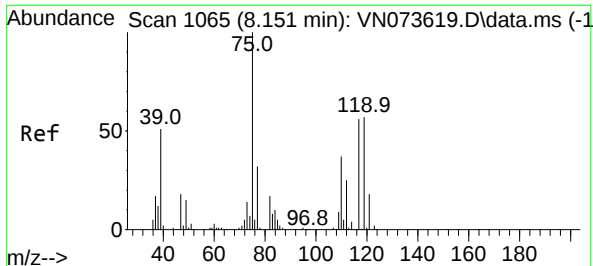
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 23.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.384 ug/l

RT: 8.010 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081022

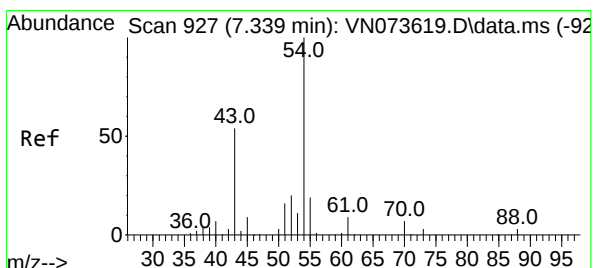
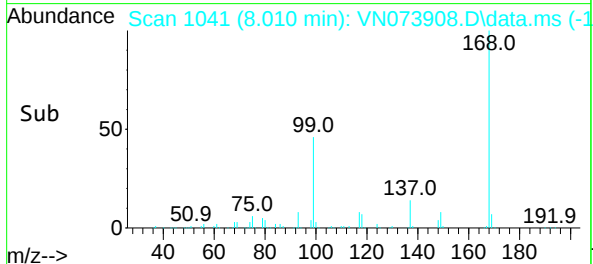
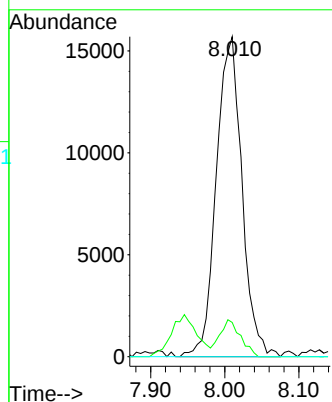
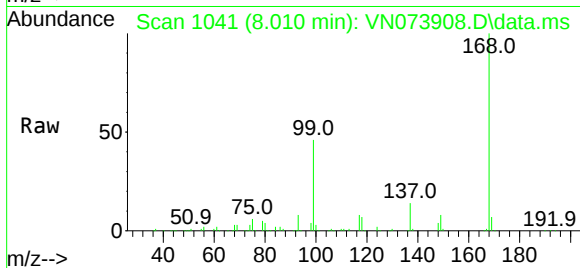
Tgt Ion: 75 Resp: 37755

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.475 ug/l

RT: 7.298 min Scan# 920

Delta R.T. -0.041 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

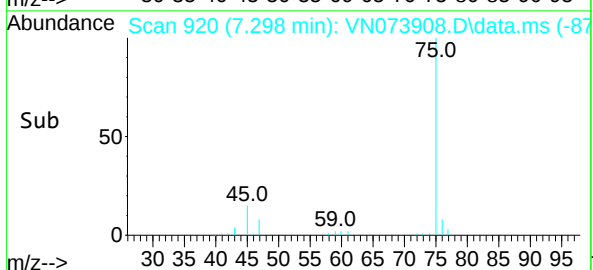
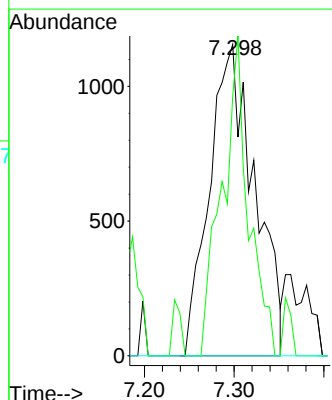
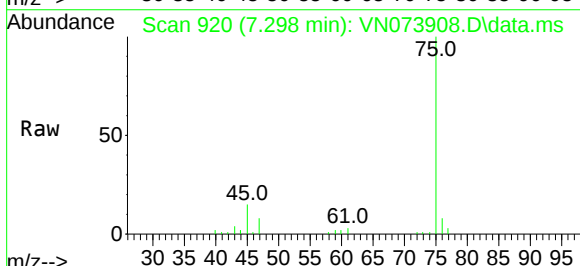
Tgt Ion: 43 Resp: 4038

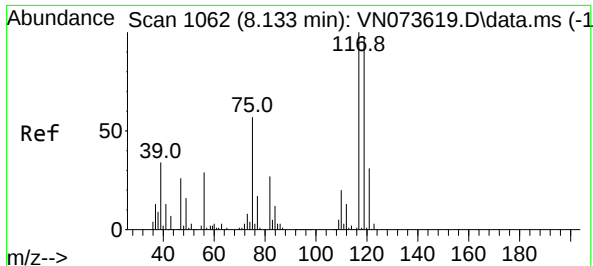
Ion Ratio Lower Upper

43 100

61 60.2 11.8 17.6#

70 0.0 9.3 13.9#

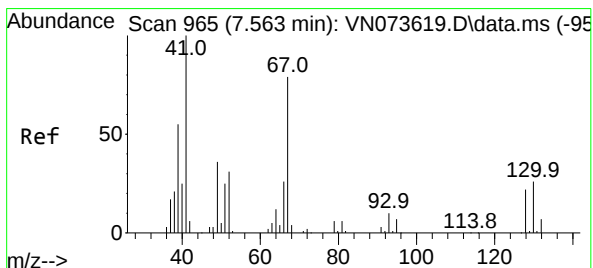
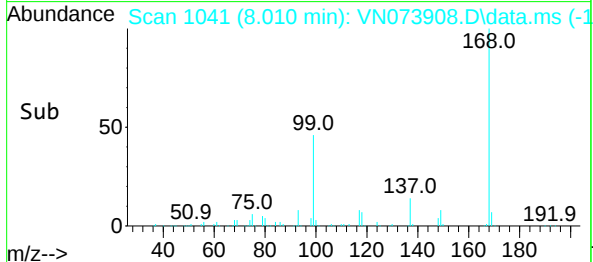
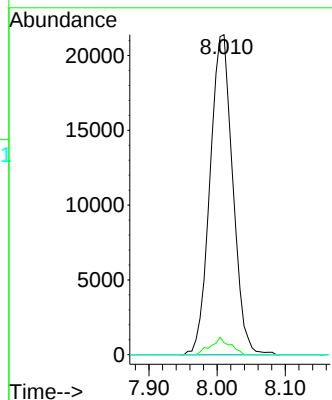
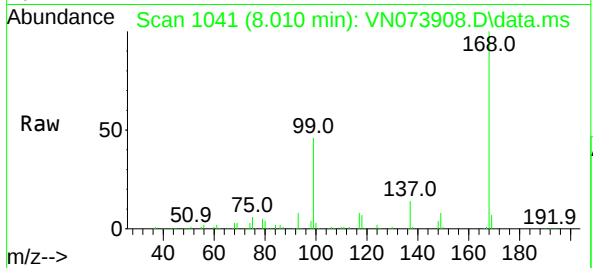




#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

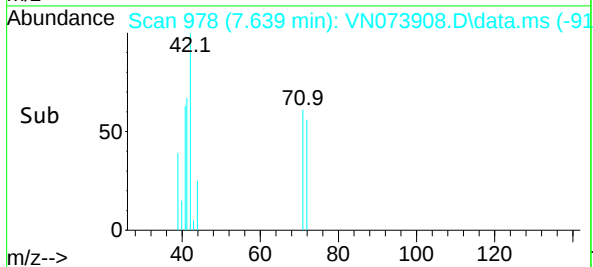
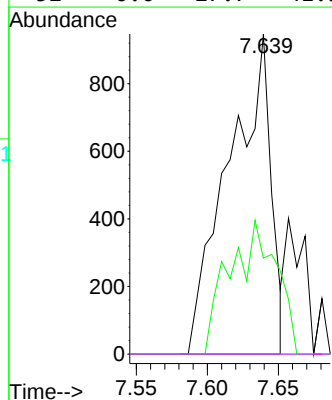
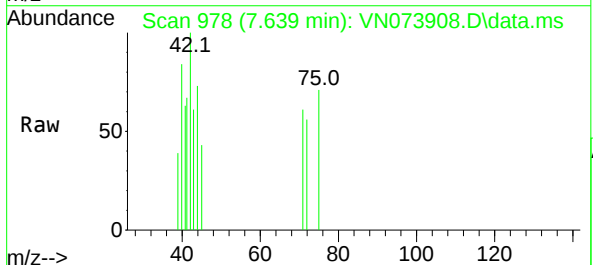
Instrument :
MSVOA_N
ClientSampleId :
TR-04-081022

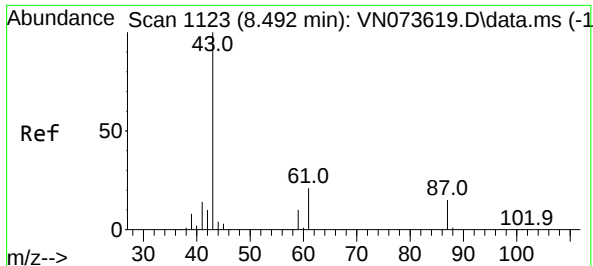
Tgt Ion:117 Resp: 49677
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.510 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.077 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

Tgt Ion: 41 Resp: 1957
Ion Ratio Lower Upper
41 100
39 46.3 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

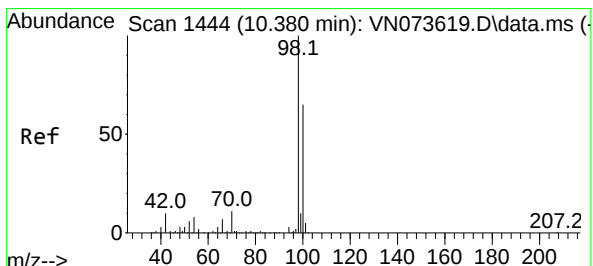
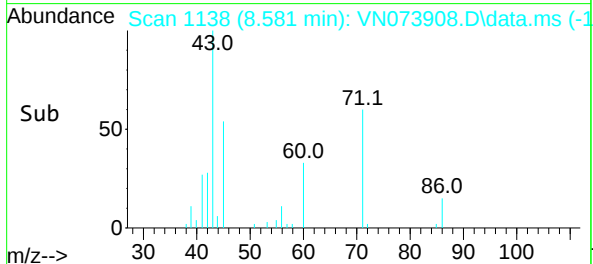
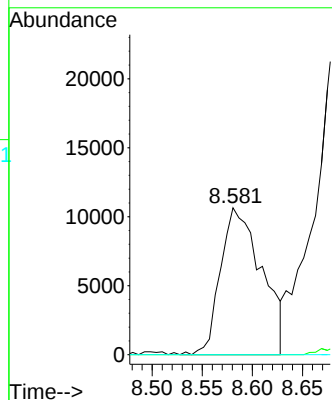
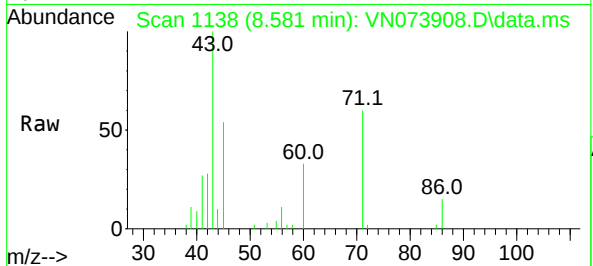




#43
Isopropyl Acetate
Concen: 2.527 ug/l
RT: 8.581 min Scan# 1123
Delta R.T. 0.088 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

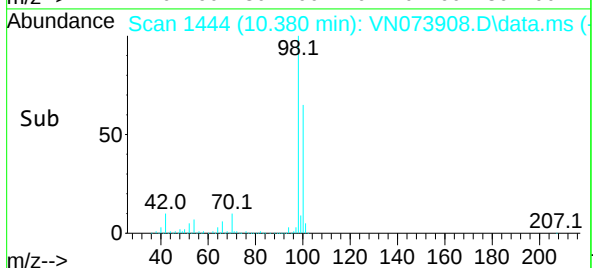
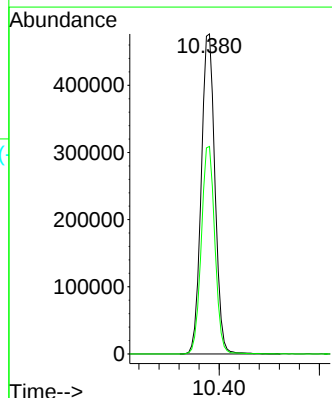
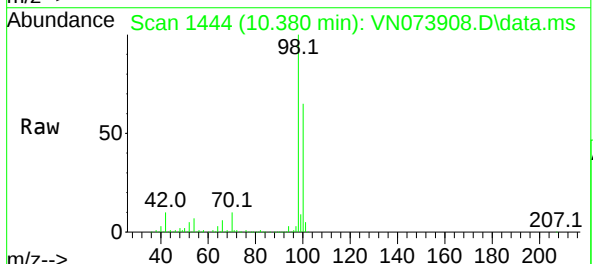
Instrument :
MSVOA_N
ClientSampleId :
TR-04-081022

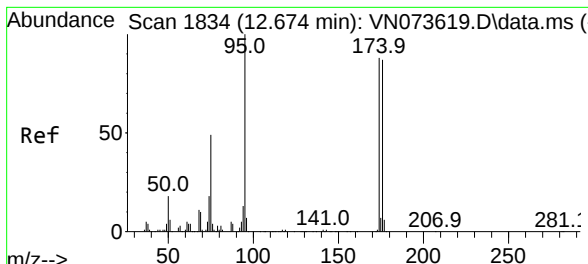
Tgt Ion: 43 Resp: 30588
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 46.144 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073908.D
Acq: 15 Aug 2022 20:24

Tgt Ion: 98 Resp: 902284
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

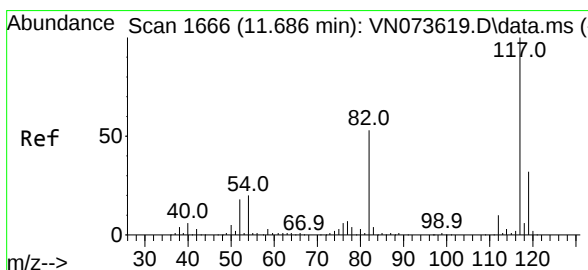
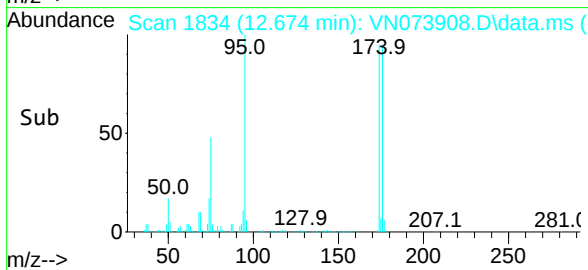
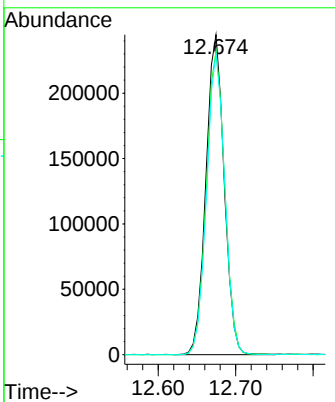
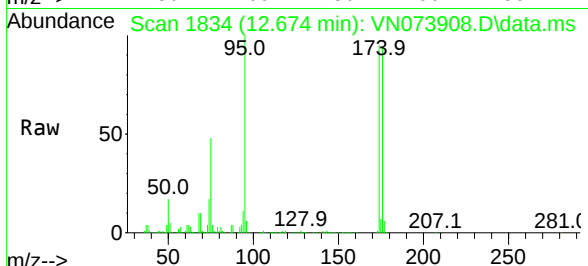




#62
 4-Bromofluorobenzene
 Concen: 61.770 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: VN073908.D
 Acq: 15 Aug 2022 20:24

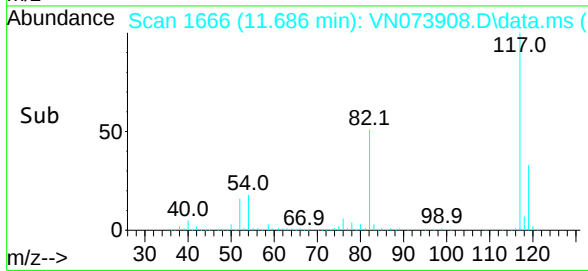
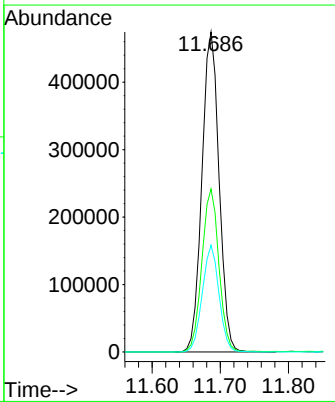
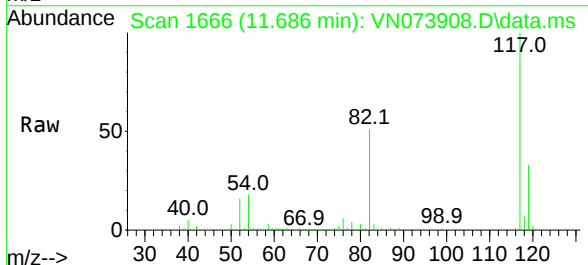
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-081022

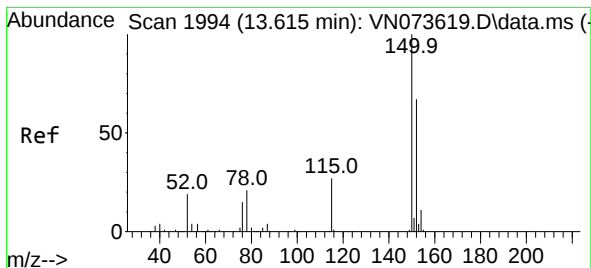
Tgt Ion:	95	Resp:	400851
Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	167.6
176	93.5	0.0	163.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.686 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: VN073908.D
 Acq: 15 Aug 2022 20:24

Tgt Ion:	117	Resp:	831921
Ion	Ratio	Lower	Upper
117	100		
82	50.9	44.2	66.2
119	33.4	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073908.D

Acq: 15 Aug 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081022

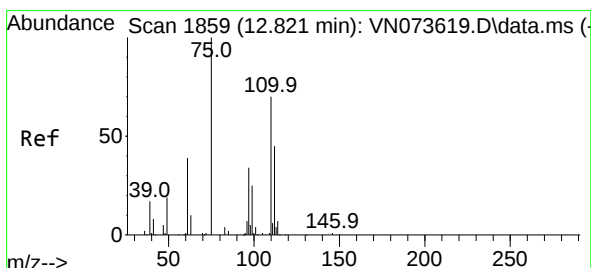
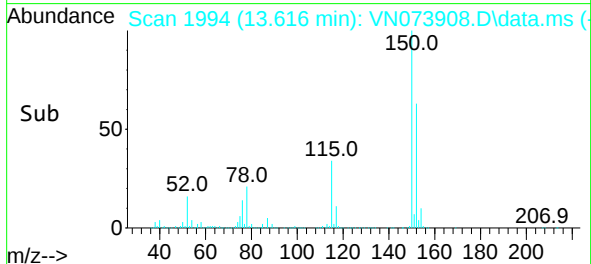
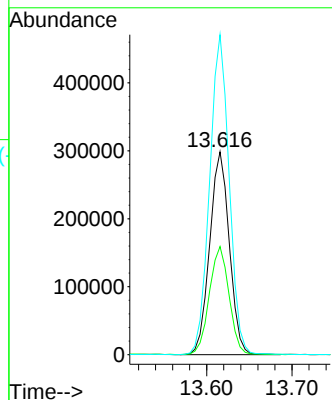
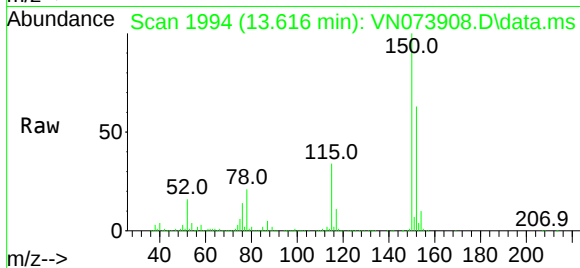
Tgt Ion:152 Resp: 478168

Ion Ratio Lower Upper

152 100

115 53.6 28.9 86.7

150 156.9 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 19.283 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN073908.D

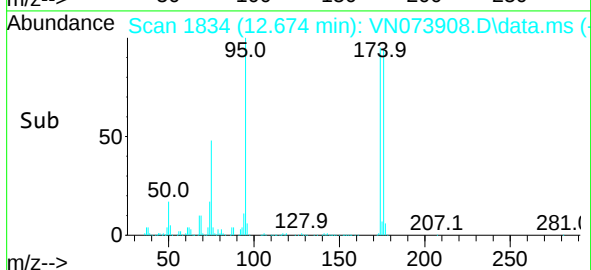
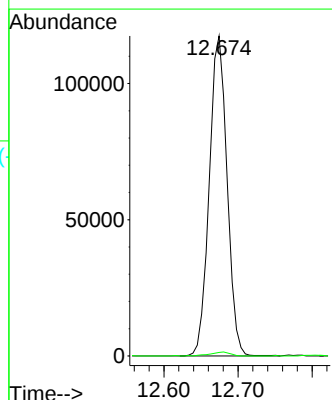
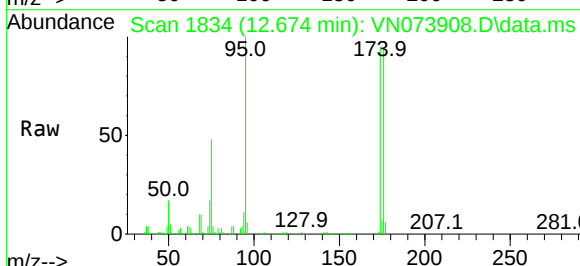
Acq: 15 Aug 2022 20:24

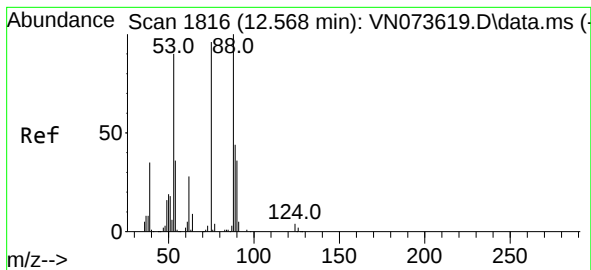
Tgt Ion: 75 Resp: 195968

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.081 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073908.D
 Acq: 15 Aug 2022 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-081022

Tgt Ion: 75 Resp: 195968
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

