

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074214.D
 Acq On : 31 Aug 2022 15:09
 Operator : JC\MD
 Sample : N4455-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 01 00:25:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

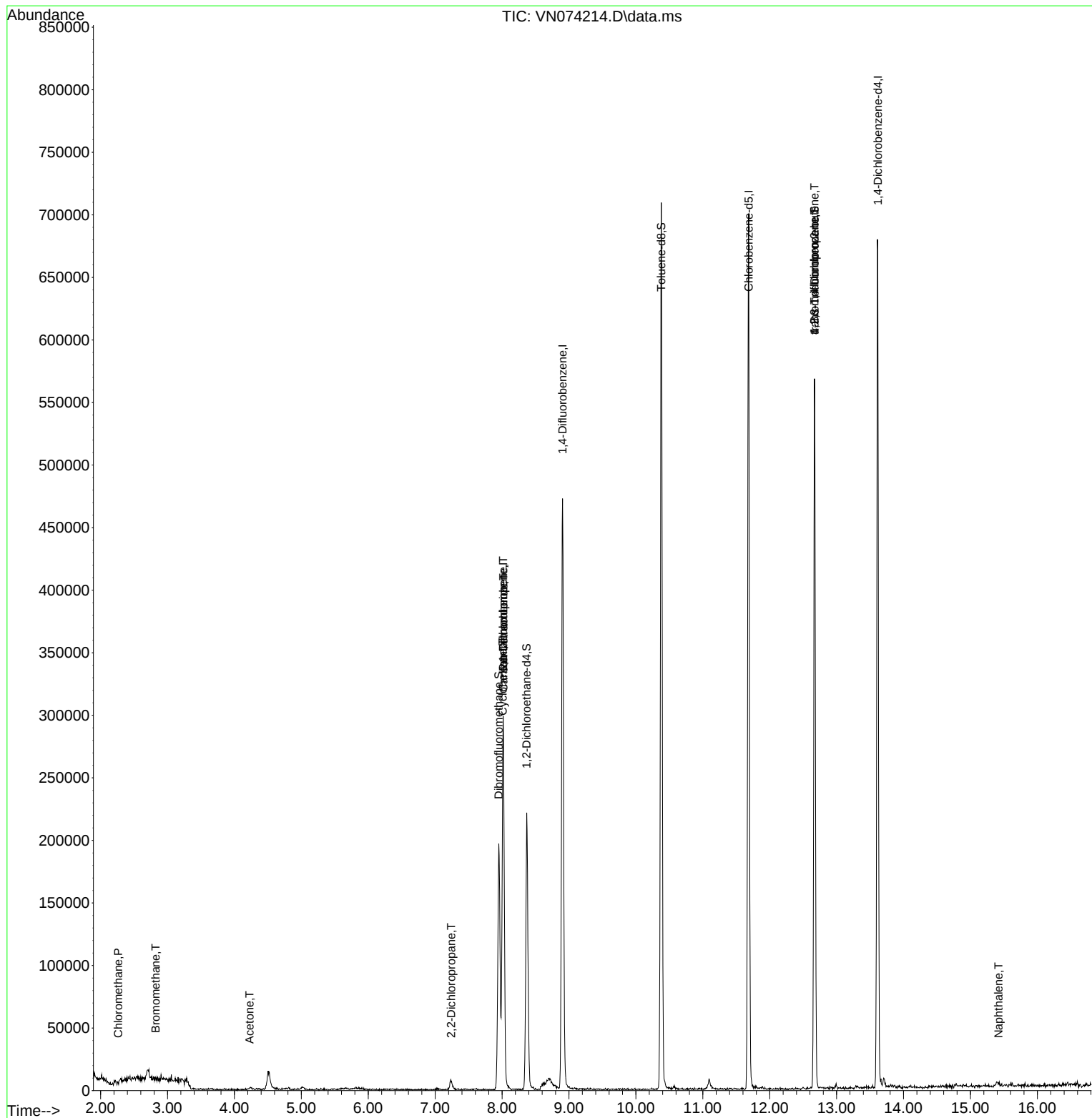
Internal Standards						
1) Pentafluorobenzene	8.016	168	209538	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	382609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	368325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	164829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	166945	51.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 102.720%		
35) Dibromofluoromethane	7.951	113	135907	54.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 109.180%		
50) Toluene-d8	10.380	98	453831	46.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 92.580%		
62) 4-Bromofluorobenzene	12.669	95	174730	58.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 117.200%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1225	0.401	ug/l	# 43
5) Bromomethane	2.822	94	703	0.424	ug/l	# 5
6) Chloroethane	2.951	64	650	Below Cal		100
11) Tert butyl alcohol	5.287	59	79	Below Cal	#	72
16) Acetone	4.228	43	1887	0.869	ug/l	# 72
18) Methyl Acetate	4.763	43	693	Below Cal	#	48
20) Methylene Chloride	5.010	84	559	Below Cal	#	72
26) 2,2-Dichloropropane	7.239	77	81	0.291	ug/l	# 53
31) Cyclohexane	8.010	56	5867	1.092	ug/l	# 69
36) 1,1-Dichloropropene	8.016	75	19642	4.862	ug/l	# 49
38) Carbon Tetrachloride	8.022	117	22880	6.236	ug/l	# 19
76) 1,2,3-Trichloropropane	12.669	75	101513	24.763	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	101513	63.926	ug/l	# 10
95) Naphthalene	15.421	128	1228	1.247	ug/l	# 75

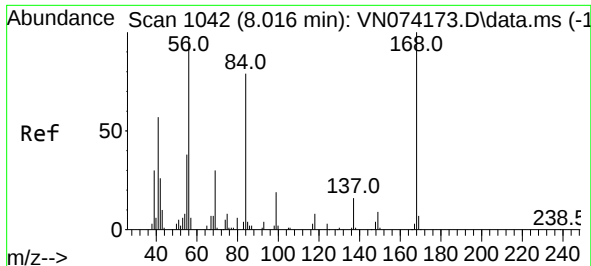
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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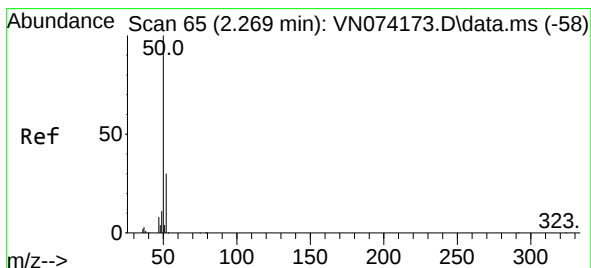
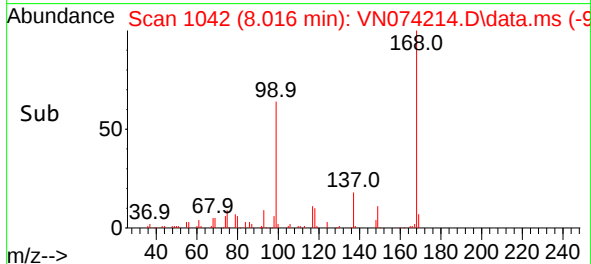
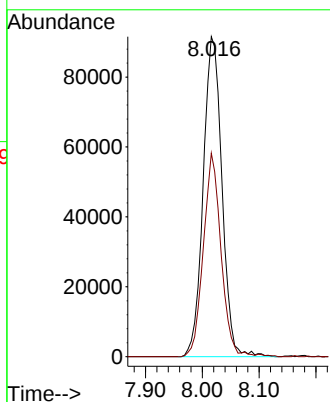
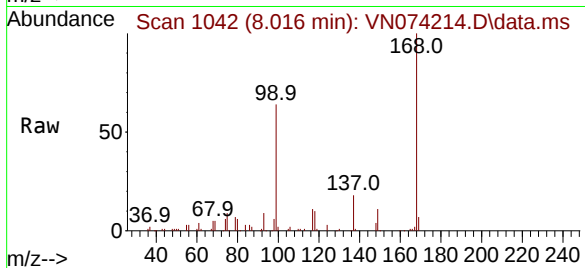




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

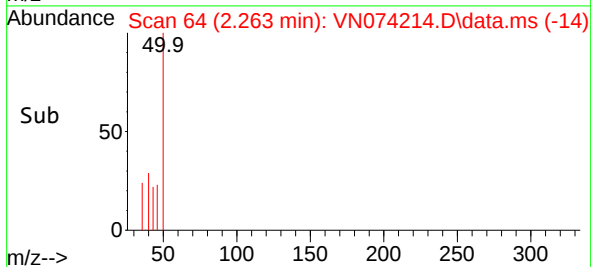
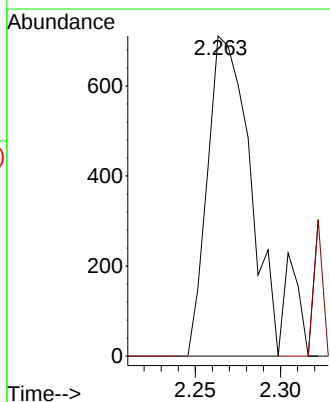
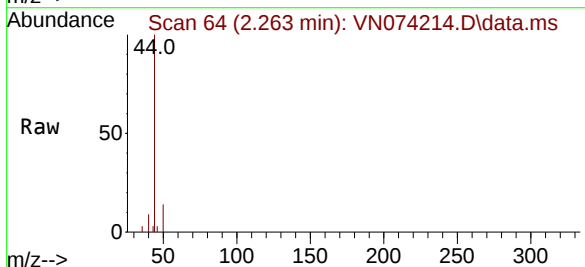
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

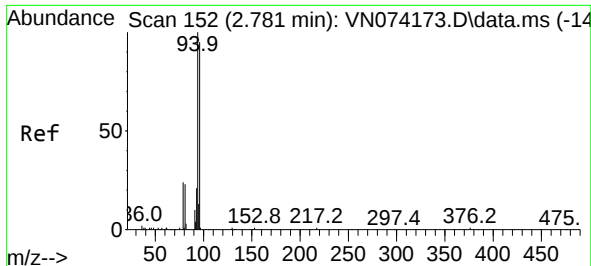
Tgt Ion:168 Resp: 209538
Ion Ratio Lower Upper
168 100
99 63.6 42.3 63.5#



#3
Chloromethane
Concen: 0.401 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

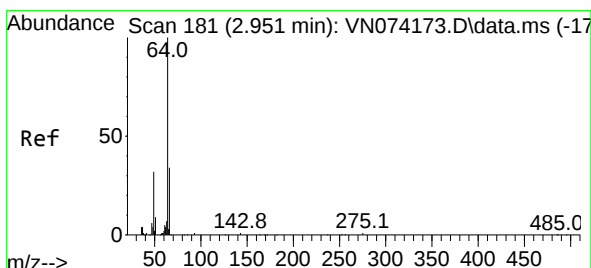
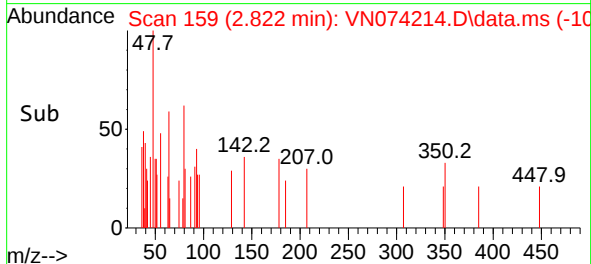
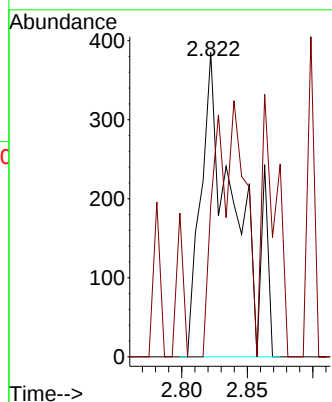
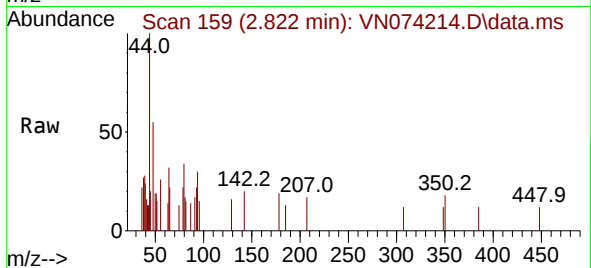




#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

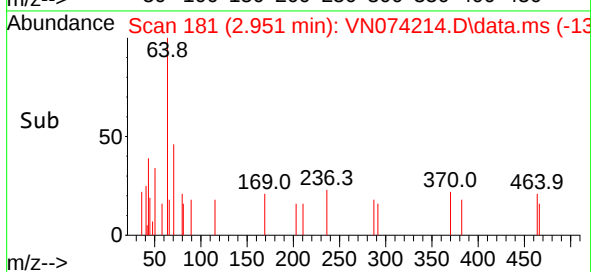
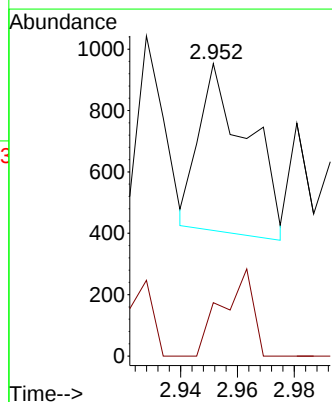
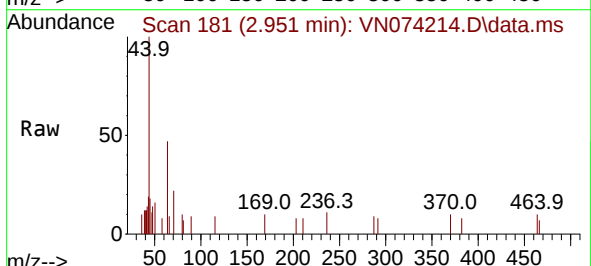
Instrument :
MSVOA_N
ClientSampleId :
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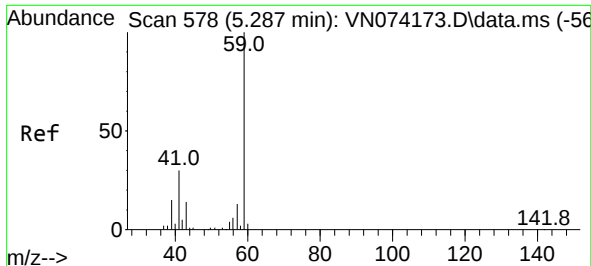
Tgt Ion: 94 Resp: 703
Ion Ratio Lower Upper
94 100
96 2.6 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

Tgt Ion: 64 Resp: 650
Ion Ratio Lower Upper
64 100
66 33.0 26.2 39.4





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.287 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Instrument :

MSVOA_N

ClientSampleId :

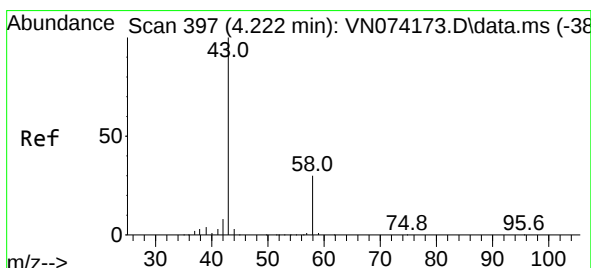
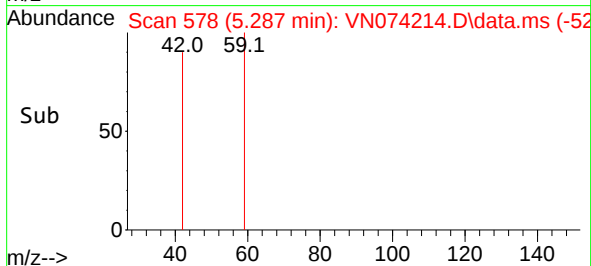
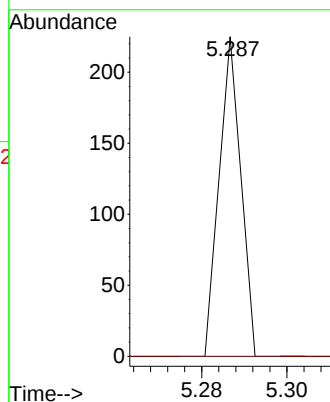
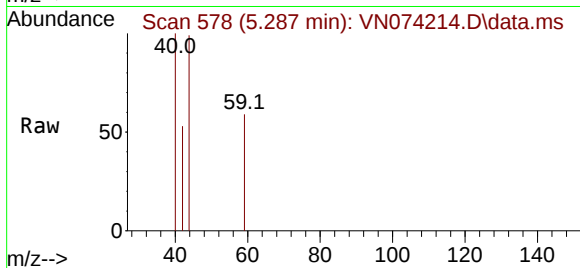
TRIP-BLANK

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.869 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074214.D

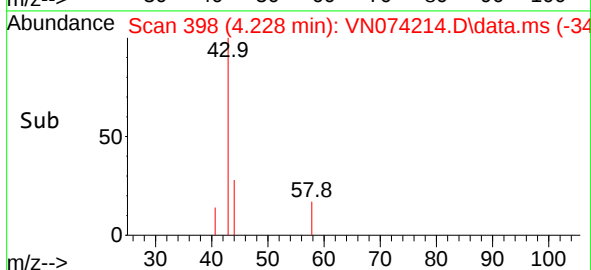
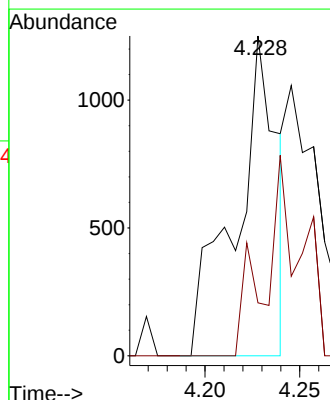
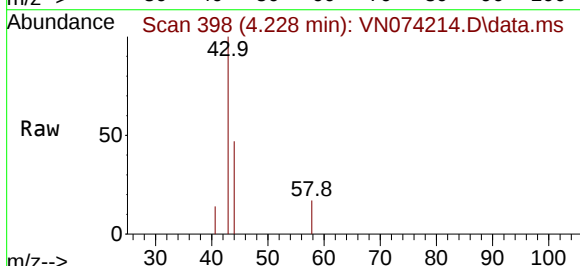
Acq: 31 Aug 2022 15:09

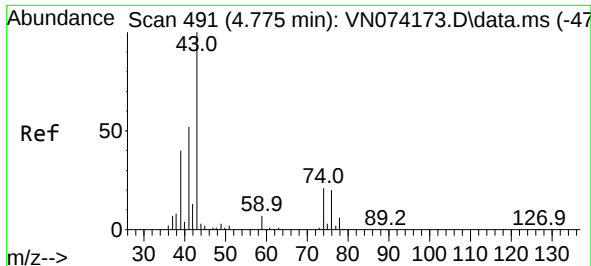
Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

58 16.5 26.0 39.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.763 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Instrument :

MSVOA_N

ClientSampleId :

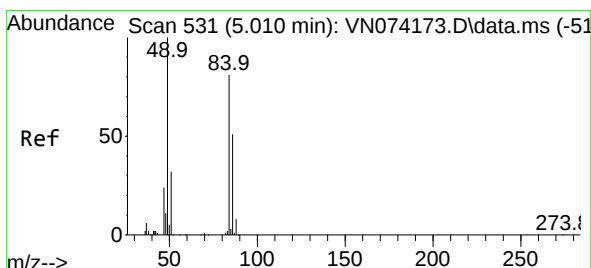
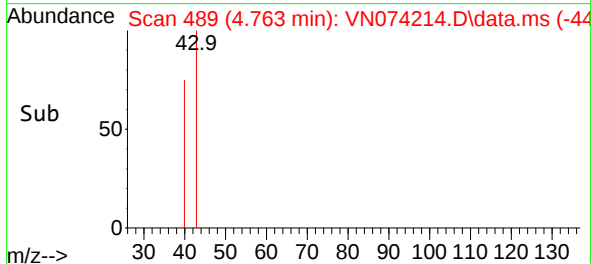
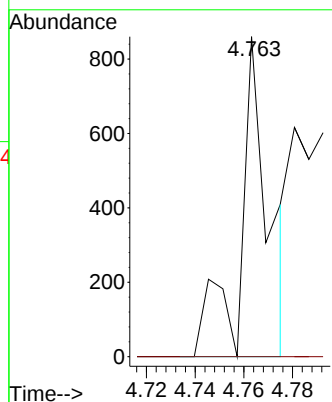
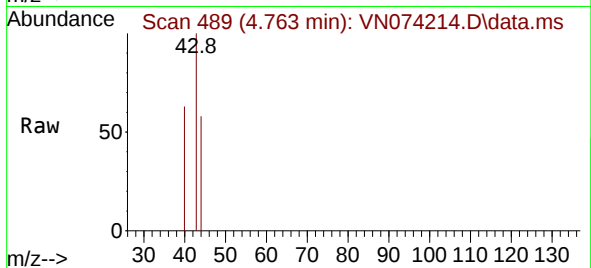
TRIP-BLANK

Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.010 min Scan# 531

Delta R.T. 0.000 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Tgt Ion: 84 Resp: 559

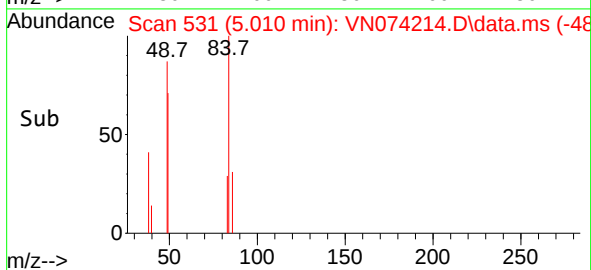
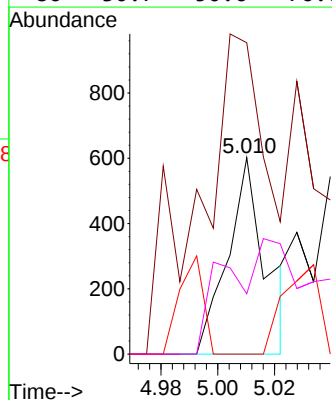
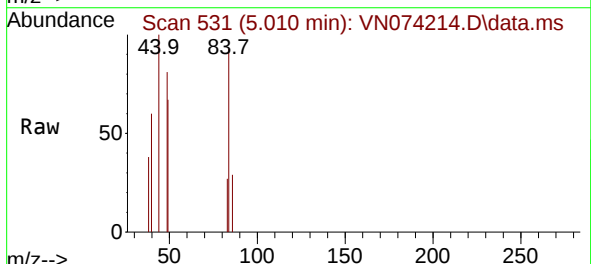
Ion Ratio Lower Upper

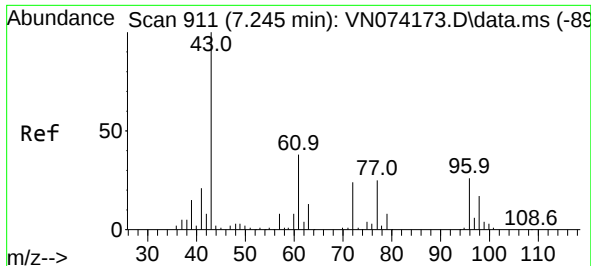
84 100

49 121.6 88.3 132.5

51 0.0 28.2 42.2#

86 30.7 50.6 76.0#





#26

2,2-Dichloropropane

Concen: 0.291 ug/l

RT: 7.239 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Instrument :

MSVOA_N

ClientSampleId :

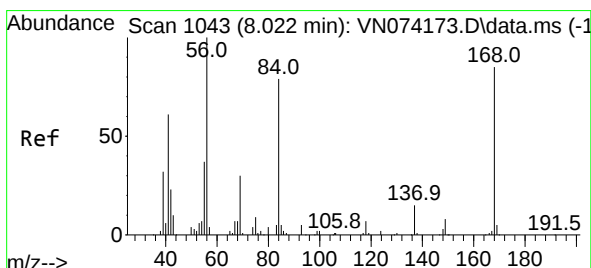
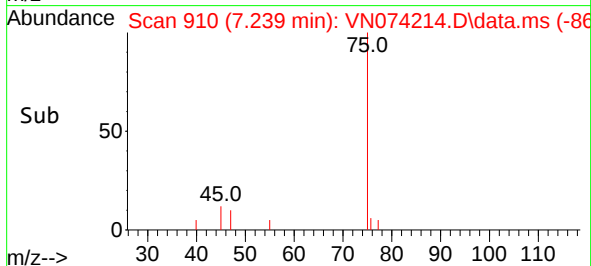
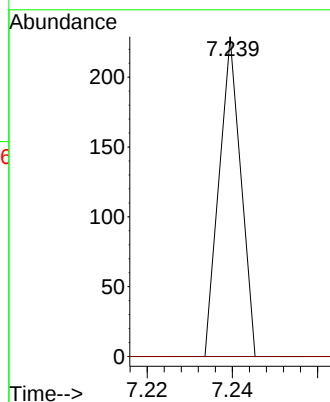
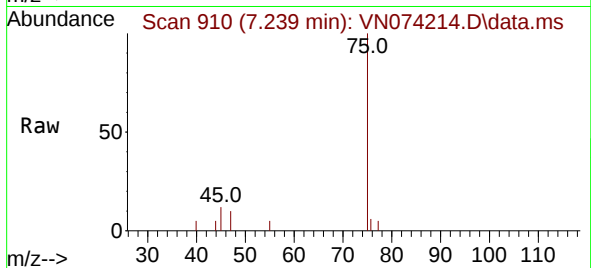
TRIP-BLANK

Tgt Ion: 77 Resp: 81

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

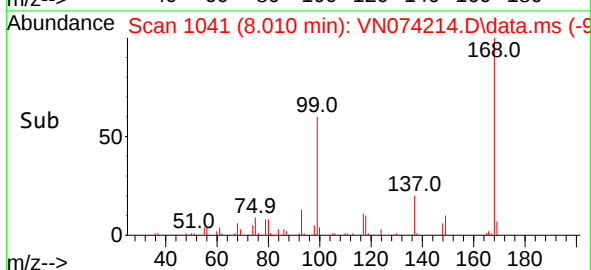
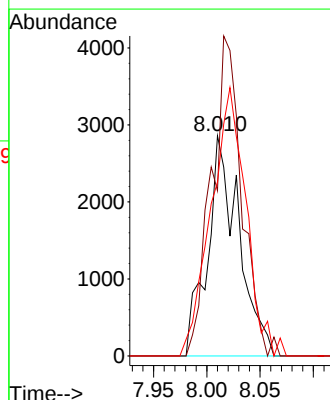
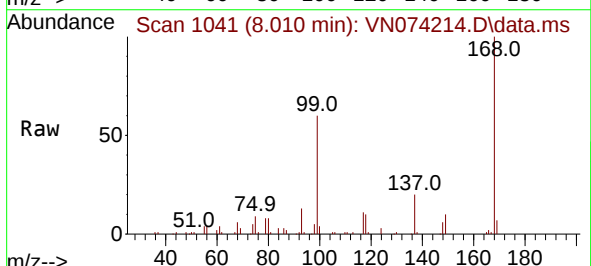
Tgt Ion: 56 Resp: 5867

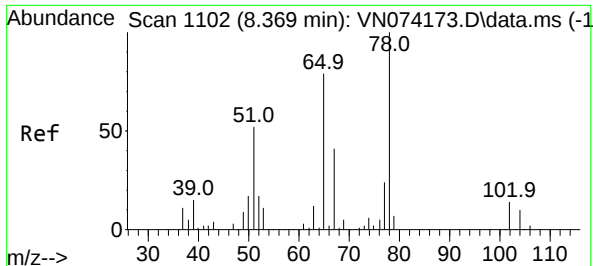
Ion Ratio Lower Upper

56 100

69 75.0 27.8 41.8#

84 79.0 76.9 115.3

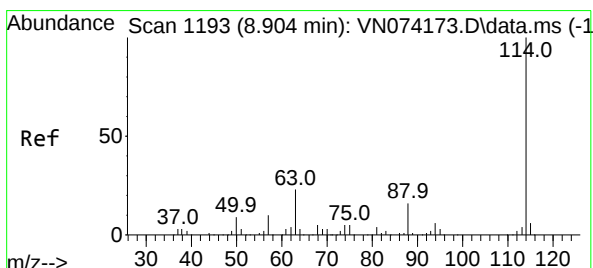
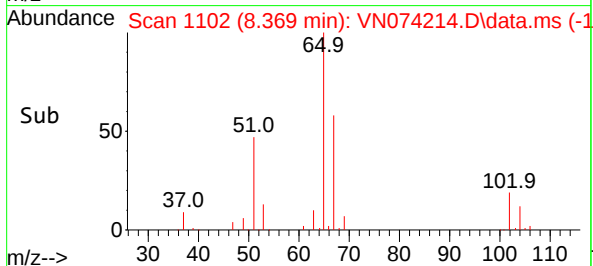
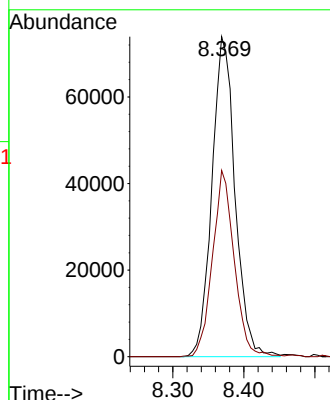
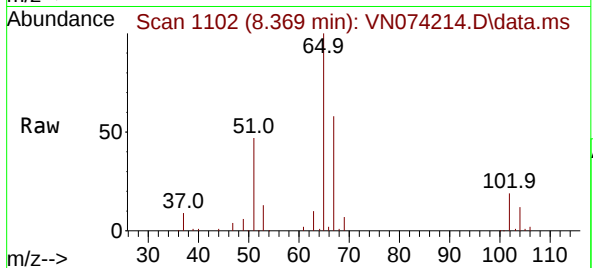




#33
 1,2-Dichloroethane-d4
 Concen: 51.361 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN074214.D
 Acq: 31 Aug 2022 15:09

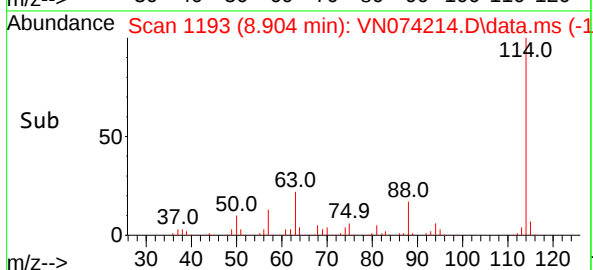
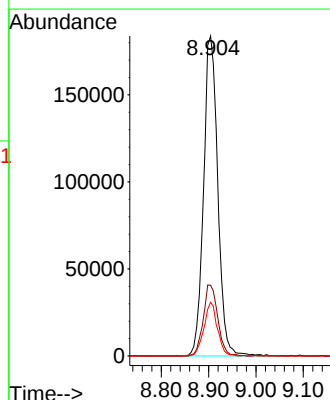
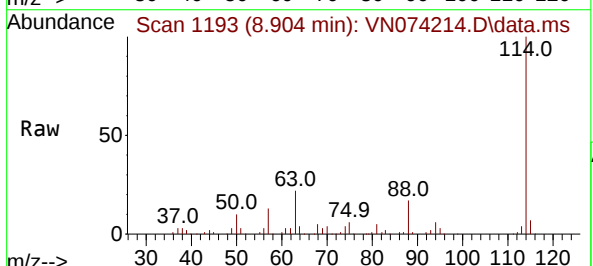
Instrument :
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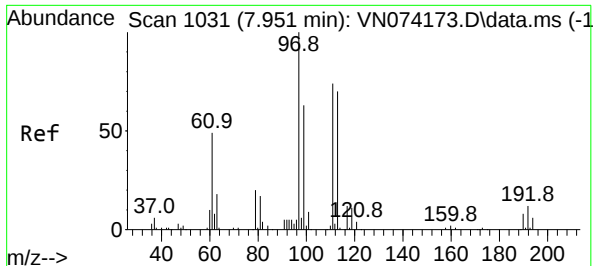
Tgt Ion: 65 Resp: 166945
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VN074214.D
 Acq: 31 Aug 2022 15:09

Tgt Ion: 114 Resp: 382609
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.0
 88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.587 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

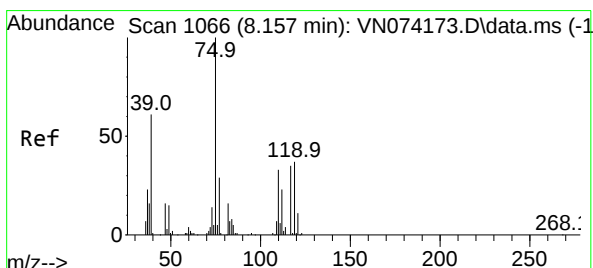
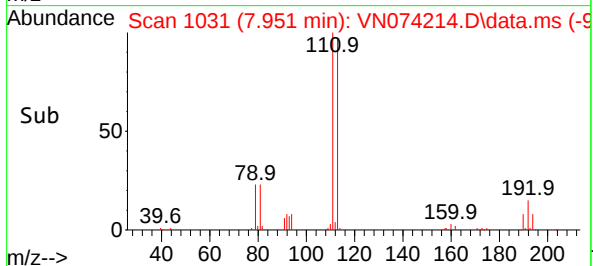
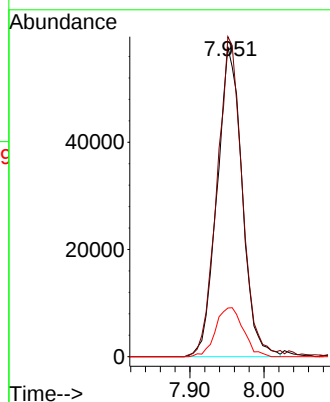
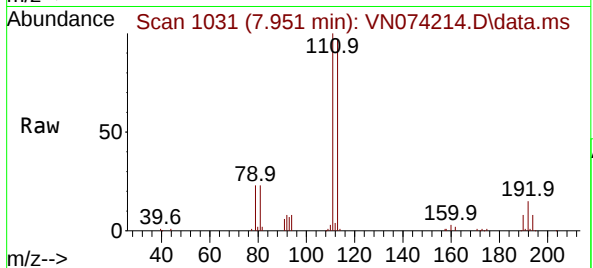
Tgt Ion:113 Resp: 135907

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 17.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

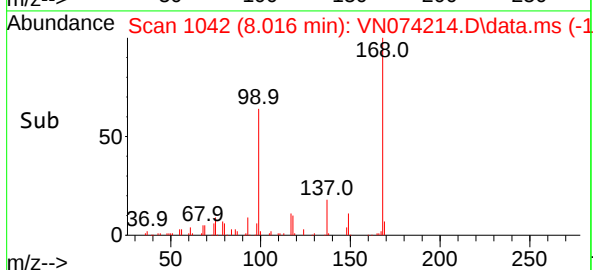
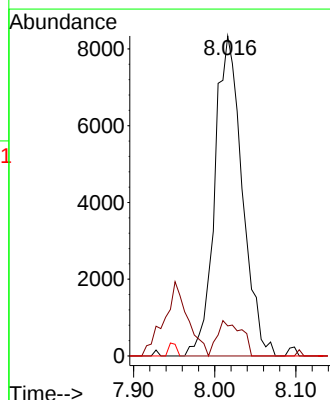
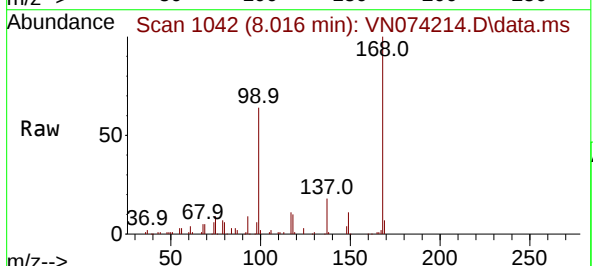
Tgt Ion: 75 Resp: 19642

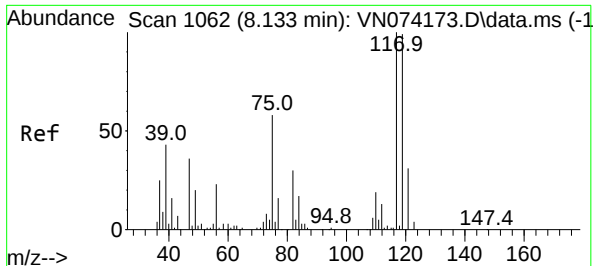
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.236 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.111 min

Lab File: VN074214.D

Acq: 31 Aug 2022 15:09

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

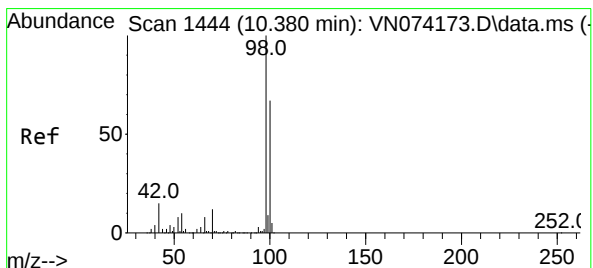
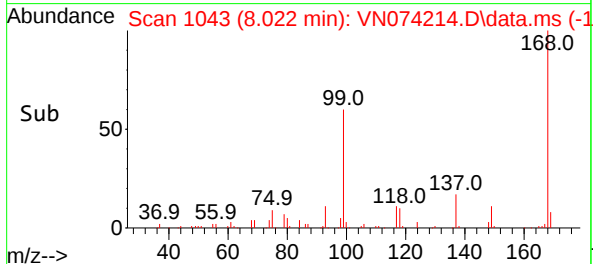
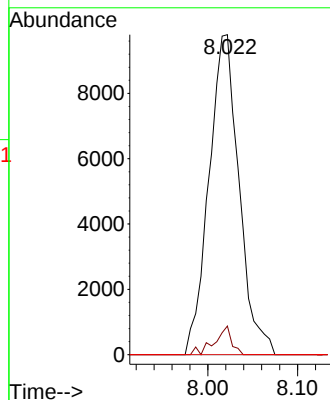
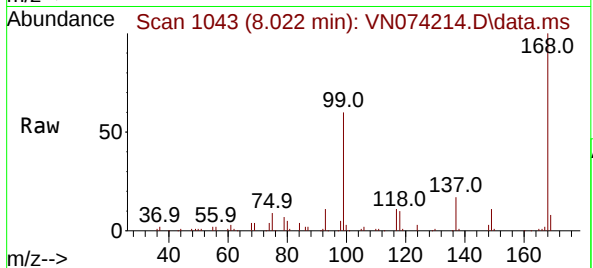
Tgt Ion:117 Resp: 22880

Ion Ratio Lower Upper

117 100

119 9.0 75.8 113.8#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.287 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074214.D

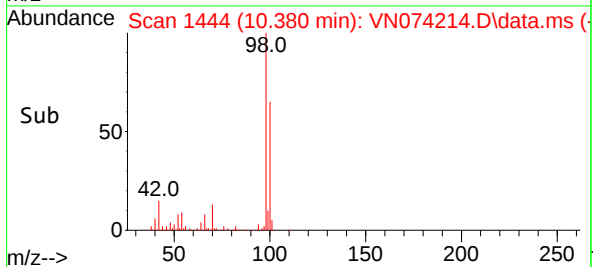
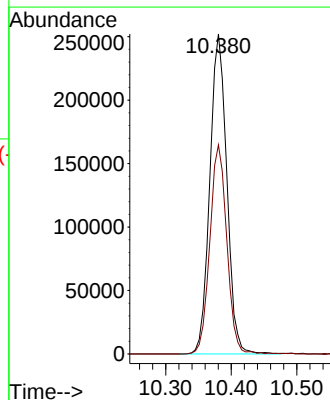
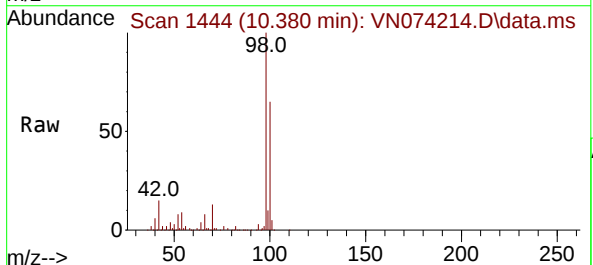
Acq: 31 Aug 2022 15:09

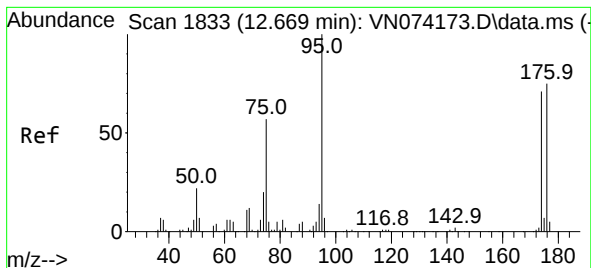
Tgt Ion: 98 Resp: 453831

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8

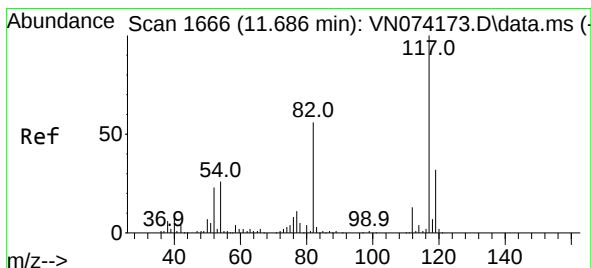
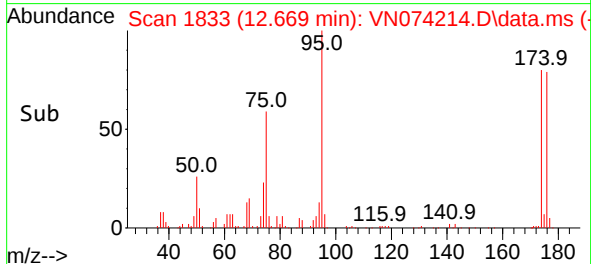
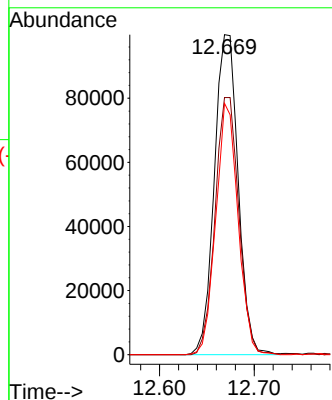
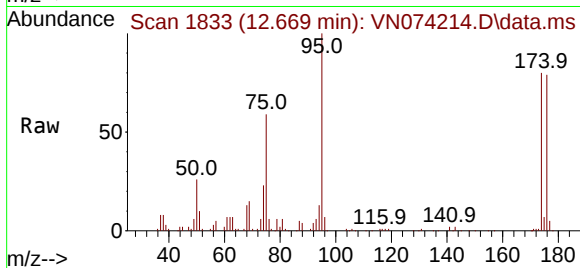




#62
4-Bromofluorobenzene
Concen: 58.601 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

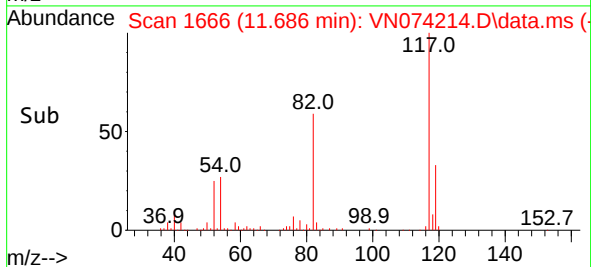
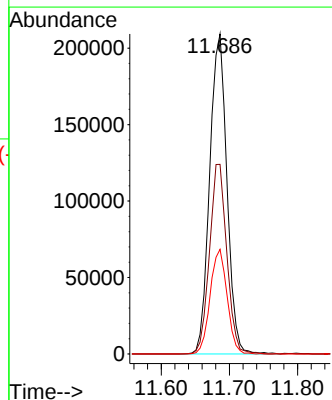
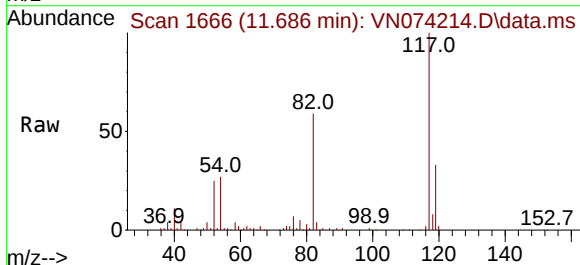
Instrument :
MSVOA_N
ClientSampleId :
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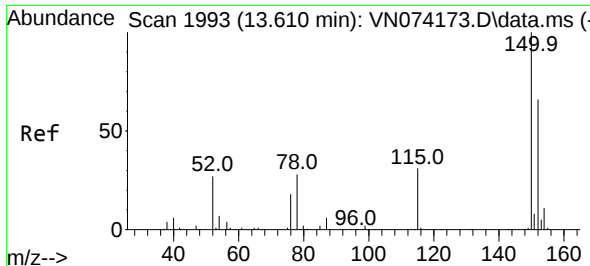
Tgt Ion: 95 Resp: 174730
Ion Ratio Lower Upper
95 100
174 80.0 0.0 167.6
176 73.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

Tgt Ion: 117 Resp: 368325
Ion Ratio Lower Upper
117 100
82 59.2 44.2 66.2
119 32.7 25.4 38.0

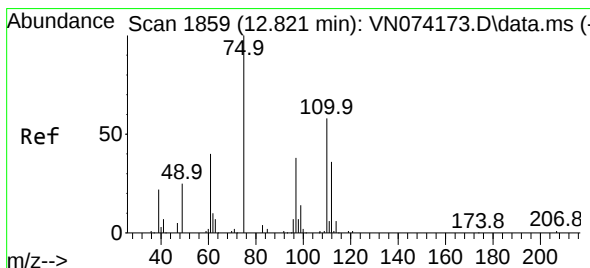
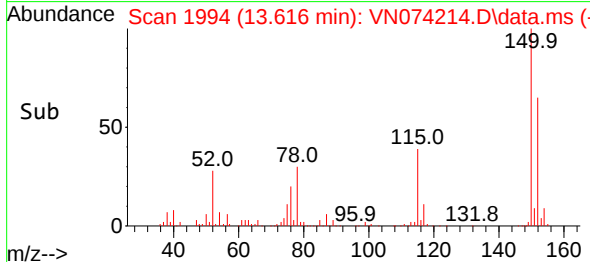
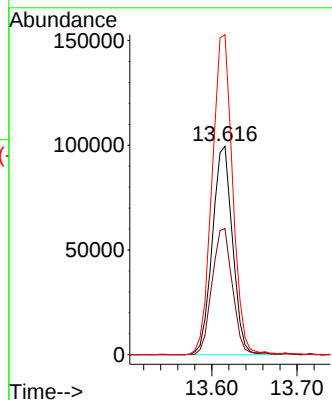
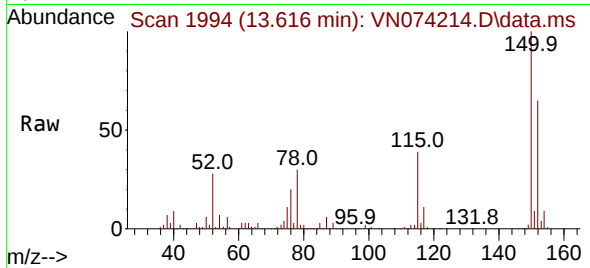




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VN074214.D
 Acq: 31 Aug 2022 15:09

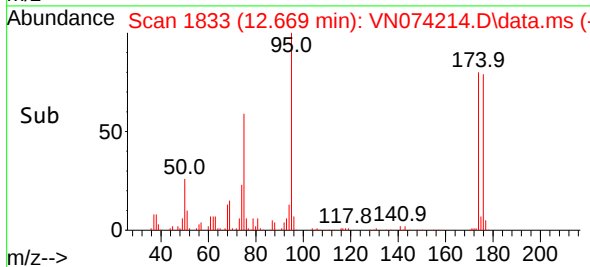
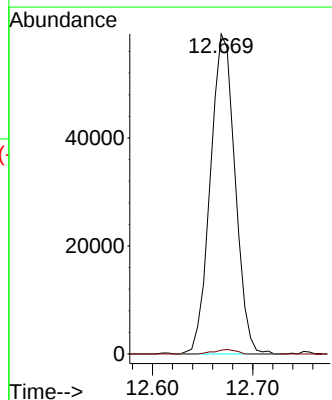
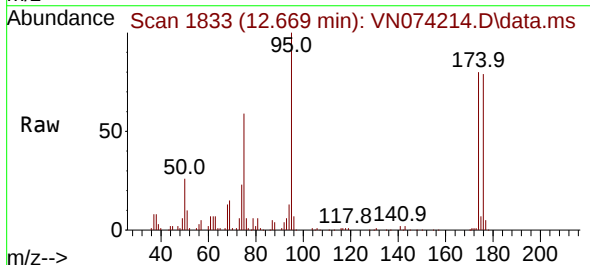
Instrument :
 MSVOA_N
 ClientSampleId :
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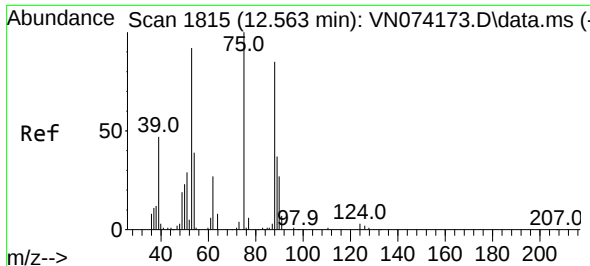
Tgt Ion:152 Resp: 164829
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.9 86.7
 150 156.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.763 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074214.D
 Acq: 31 Aug 2022 15:09

Tgt Ion: 75 Resp: 101513
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

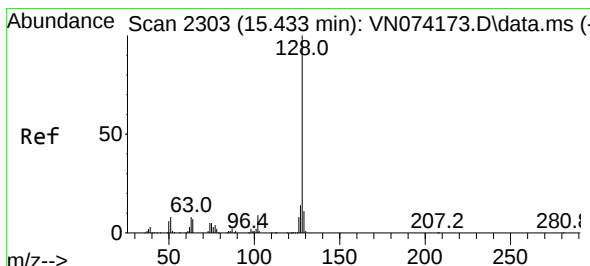
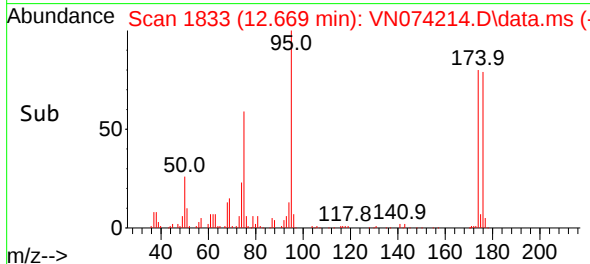
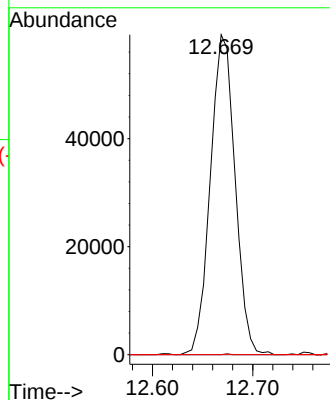
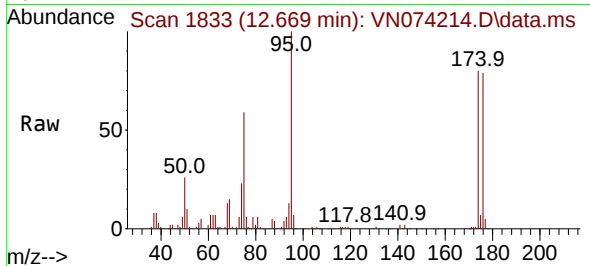




#81
trans-1,4-Dichloro-2-butene
Concen: 63.926 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 101513
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.247 ug/l
RT: 15.421 min Scan# 2301
Delta R.T. -0.012 min
Lab File: VN074214.D
Acq: 31 Aug 2022 15:09

Tgt Ion: 128 Resp: 1228
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 16.9 8.6 13.0#

