

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074306.D
 Acq On : 02 Sep 2022 23:50
 Operator : JC\MD
 Sample : N4329-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 03 04:42:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	217885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	394998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	372745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	160768	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	157923	46.496	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.000%
35) Dibromofluoromethane	7.951	113	139488	53.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.580%
50) Toluene-d8	10.380	98	469616	45.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.000%
62) 4-Bromofluorobenzene	12.669	95	162553	43.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.880%

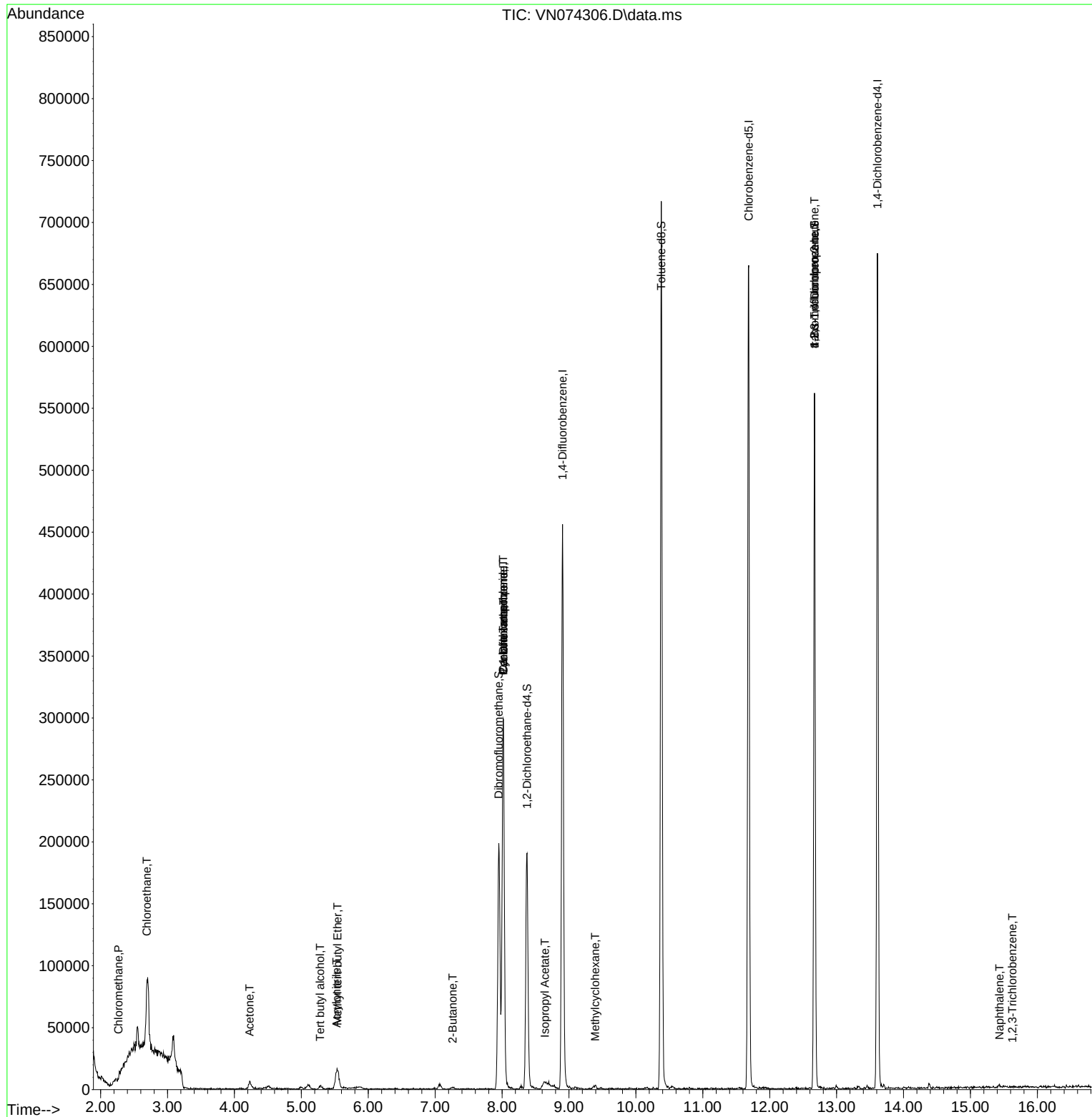
Target Compounds			Qvalue			
3) Chloromethane	2.269	50	1274	0.428	ug/l #	1
6) Chloroethane	2.693	64	43336	9.934	ug/l #	55
11) Tert butyl alcohol	5.281	59	4046	6.566	ug/l	95
15) Acrylonitrile	5.528	53	391	0.231	ug/l #	33
16) Acetone	4.228	43	10583	7.456	ug/l #	88
19) Methyl tert-butyl Ether	5.540	73	26607	3.130	ug/l	91
20) Methylene Chloride	5.022	84	54	Below Cal	#	64
25) 2-Butanone	7.263	43	1433	0.598	ug/l	99
31) Cyclohexane	8.022	56	9364	2.064	ug/l #	71
36) 1,1-Dichloropropene	8.016	75	17494	4.709	ug/l #	53
38) Carbon Tetrachloride	8.016	117	24939	6.645	ug/l #	14
39) Methylcyclohexane	9.392	83	1131	0.253	ug/l #	54
43) Isopropyl Acetate	8.639	43	4220	0.598	ug/l #	53
76) 1,2,3-Trichloropropane	12.669	75	93756	20.591	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	93756	66.843	ug/l #	10
95) Naphthalene	15.433	128	1359	0.878	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.627	180	56	0.431	ug/l #	12

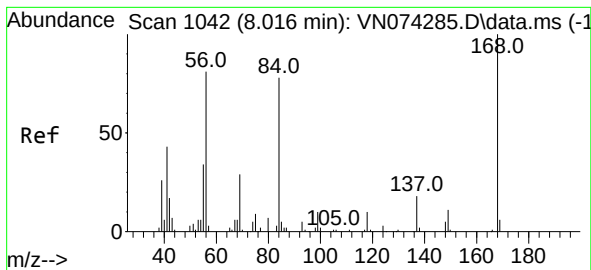
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

Instrument :

MSVOA_N

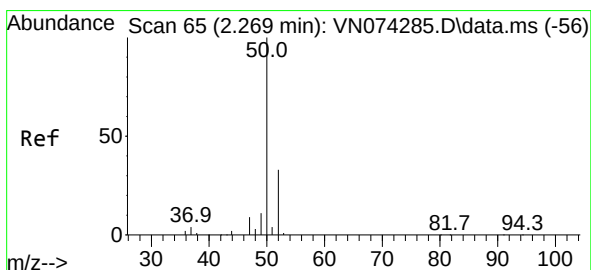
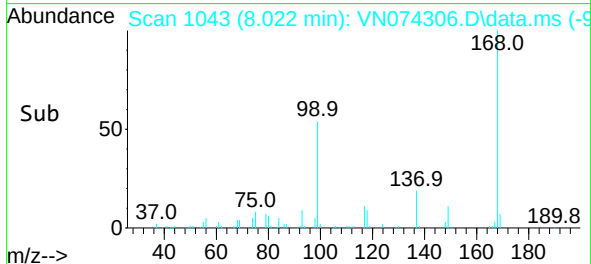
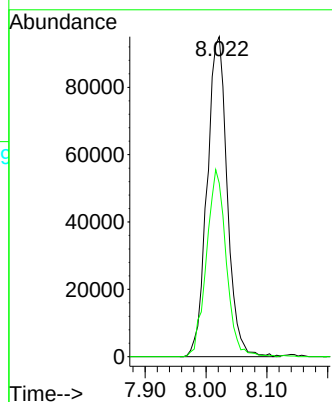
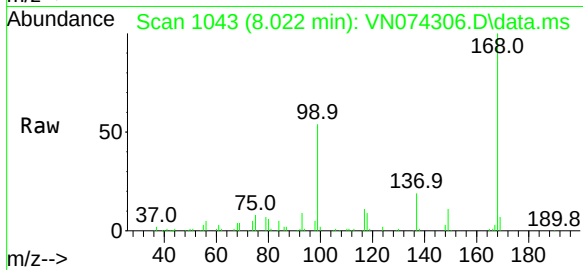
ClientSampleId :

Tgt Ion:168 Resp: 217885

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



#3

Chloromethane

Concen: 0.428 ug/l

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN074306.D

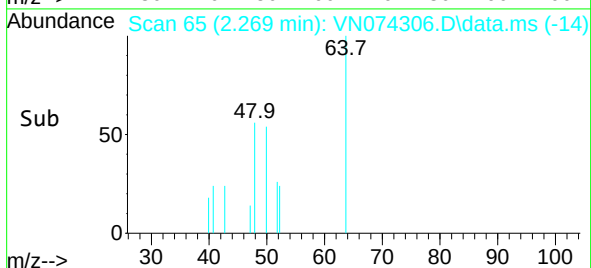
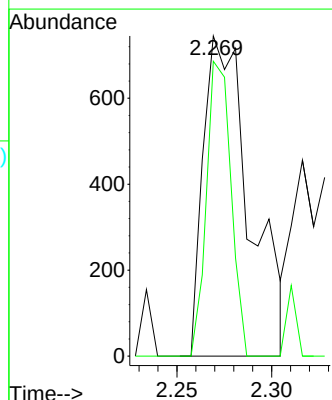
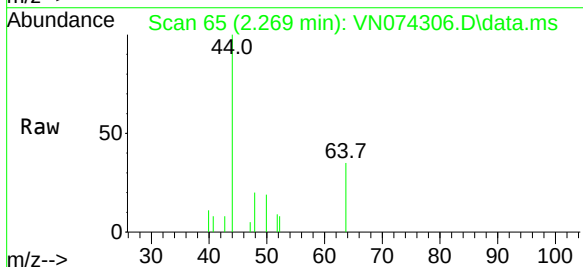
Acq: 02 Sep 2022 23:50

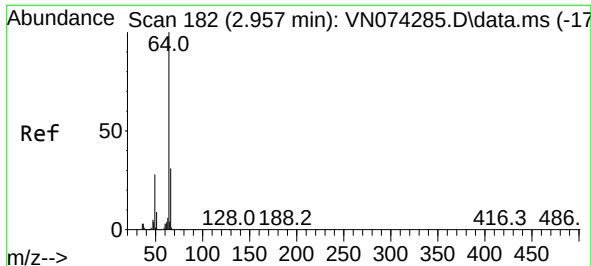
Tgt Ion: 50 Resp: 1274

Ion Ratio Lower Upper

50 100

52 92.1 25.7 38.5#

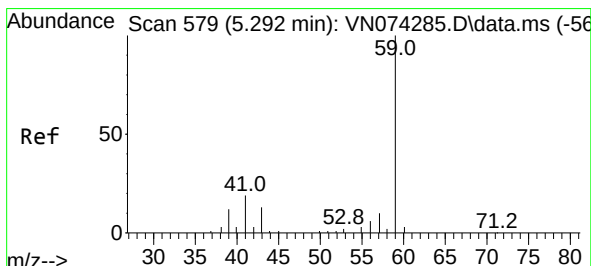
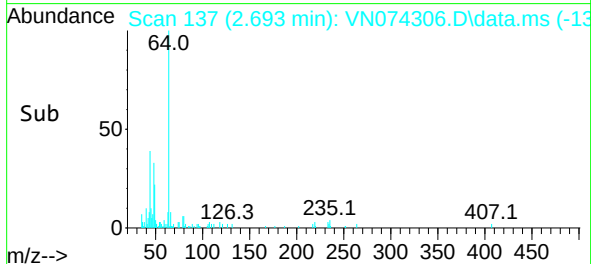
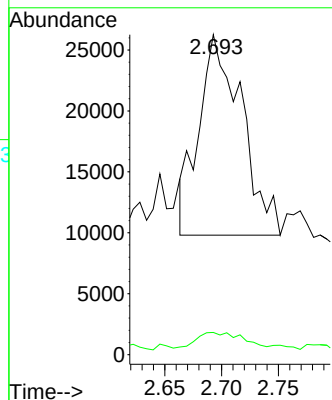
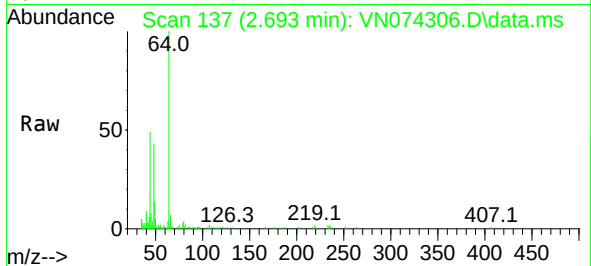




#6
Chloroethane
Concen: 9.934 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

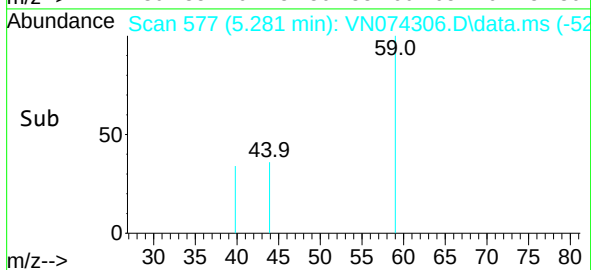
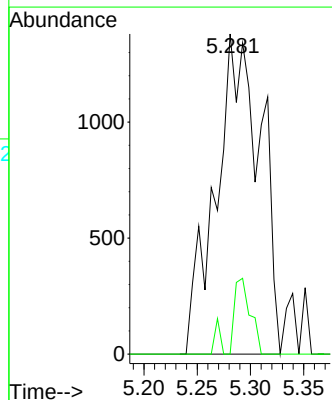
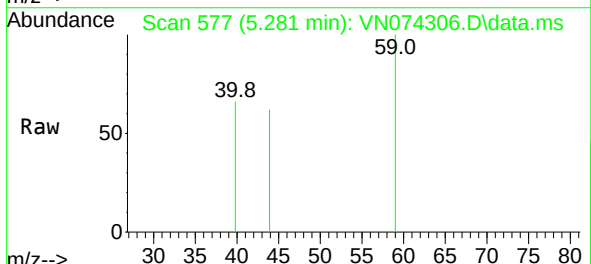
Instrument :
MSVOA_N
ClientSampleId :

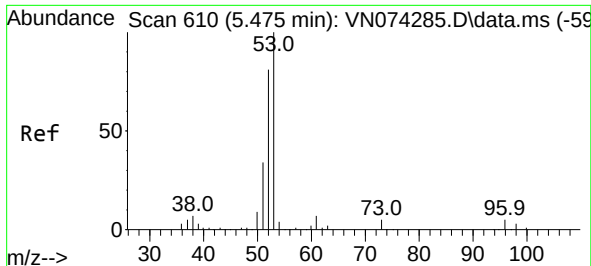
Tgt Ion: 64 Resp: 43336
Ion Ratio Lower Upper
64 100
66 7.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 6.566 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Tgt Ion: 59 Resp: 4046
Ion Ratio Lower Upper
59 100
57 8.4 8.3 12.5

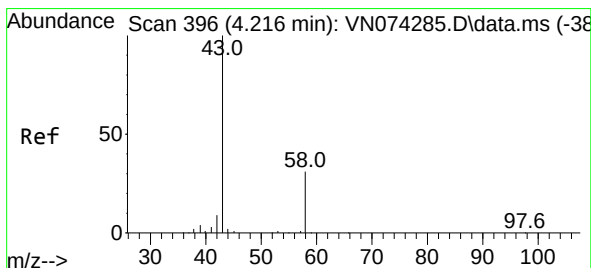
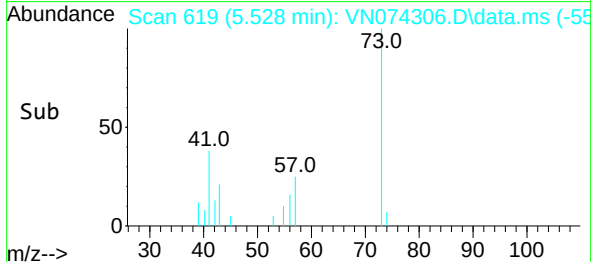
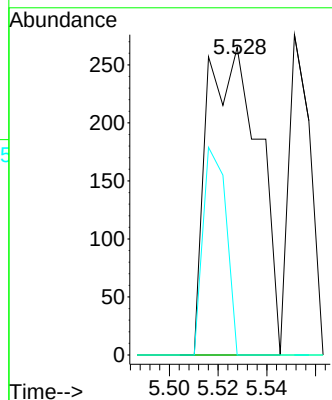
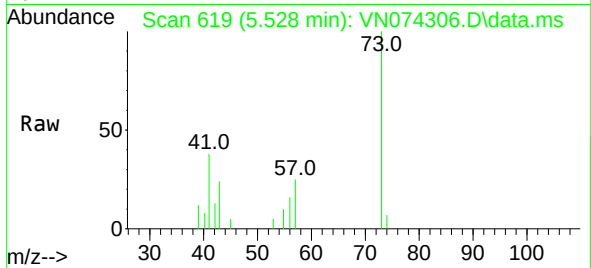




#15
Acrylonitrile
Concen: 0.231 ug/l
RT: 5.528 min Scan# 610
Delta R.T. 0.059 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

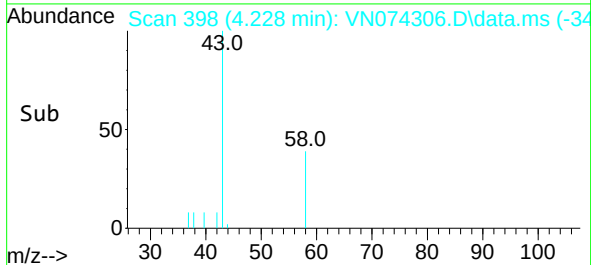
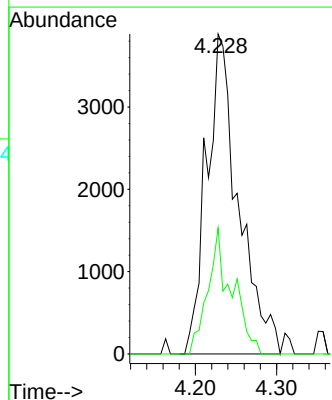
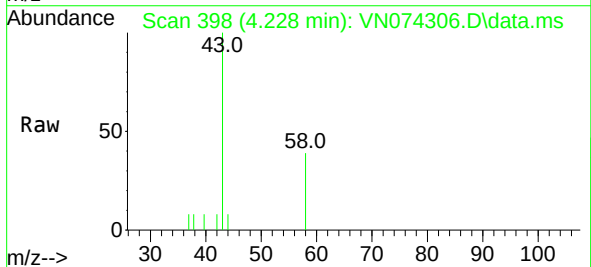
Instrument :
MSVOA_N
ClientSampleId :

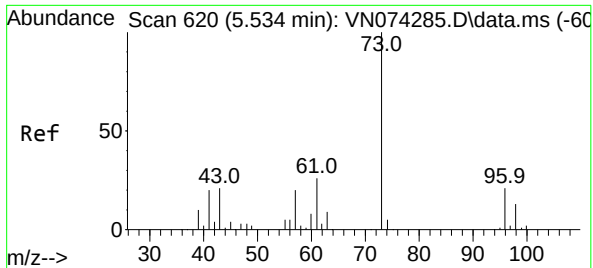
Tgt Ion: 53 Resp: 391
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 30.2 28.5 42.7



#16
Acetone
Concen: 7.456 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Tgt Ion: 43 Resp: 10583
Ion Ratio Lower Upper
43 100
58 39.4 26.0 39.0#

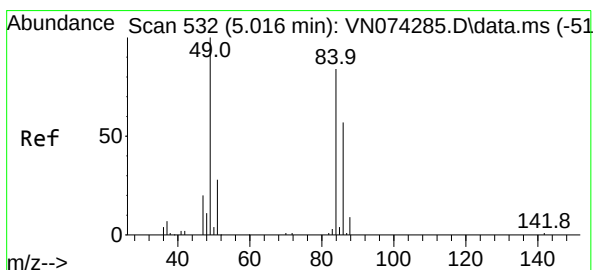
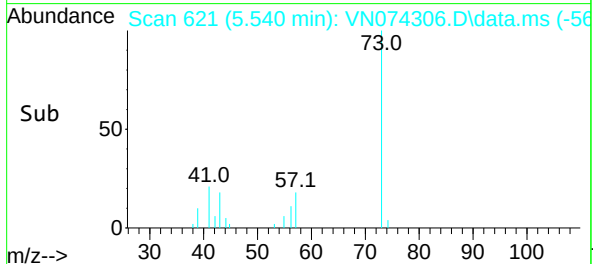
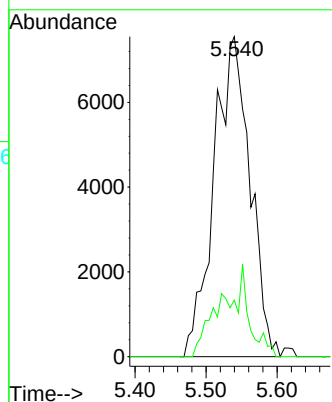
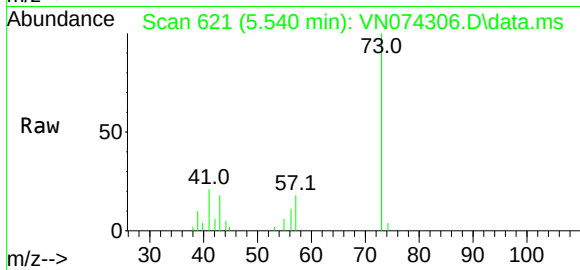




#19
Methyl tert-butyl Ether
Concen: 3.130 ug/l
RT: 5.540 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

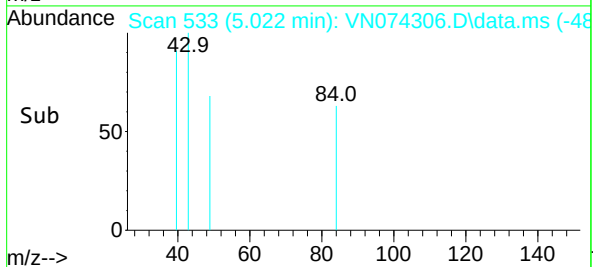
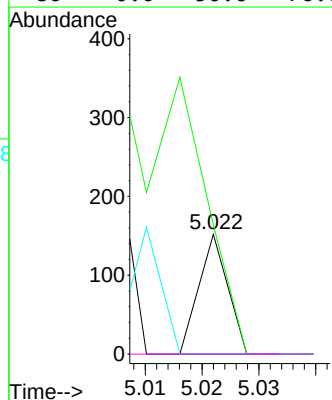
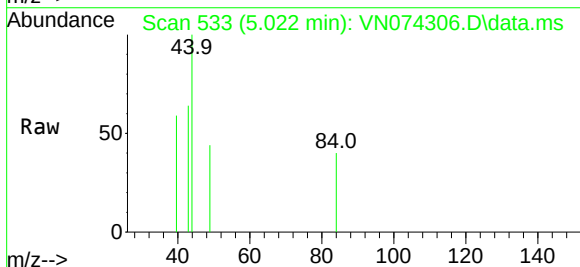
Instrument :
MSVOA_N
ClientSampleId :

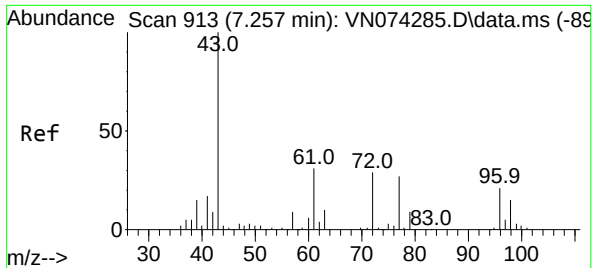
Tgt Ion: 73 Resp: 26607
Ion Ratio Lower Upper
73 100
57 17.6 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Tgt Ion: 84 Resp: 54
Ion Ratio Lower Upper
84 100
49 107.9 88.3 132.5
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#





#25

2-Butanone

Concen: 0.598 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

Instrument :

MSVOA_N

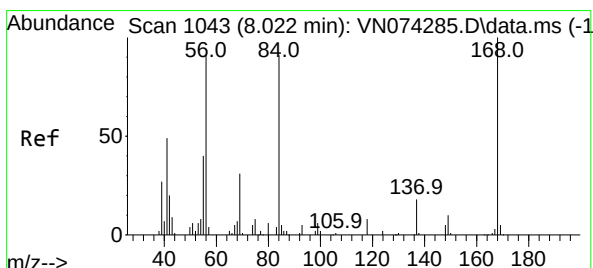
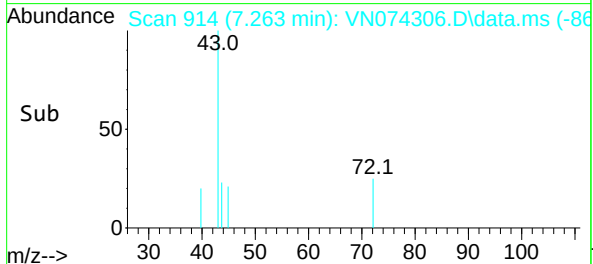
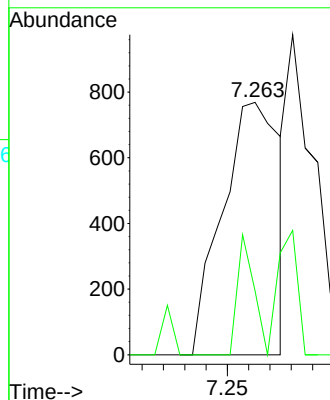
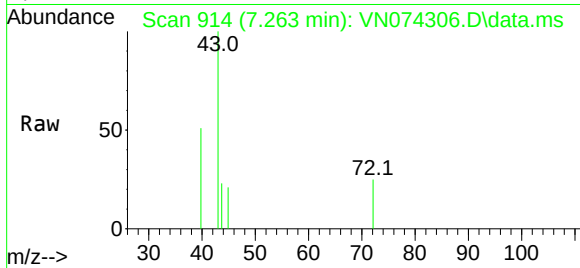
ClientSampleId :

Tgt Ion: 43 Resp: 1433

Ion Ratio Lower Upper

43 100

72 29.0 23.7 35.5



#31

Cyclohexane

Concen: 2.064 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

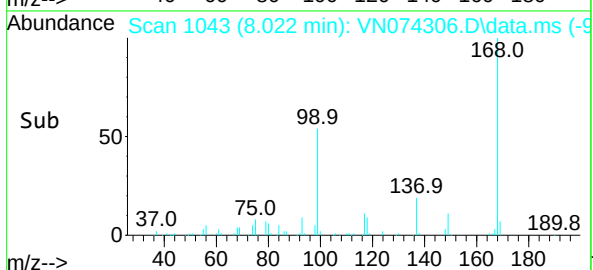
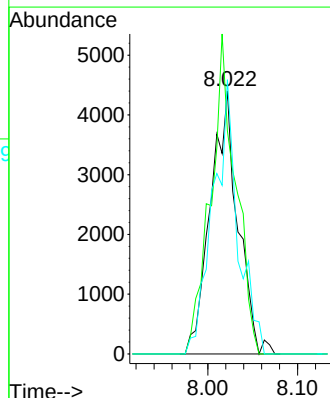
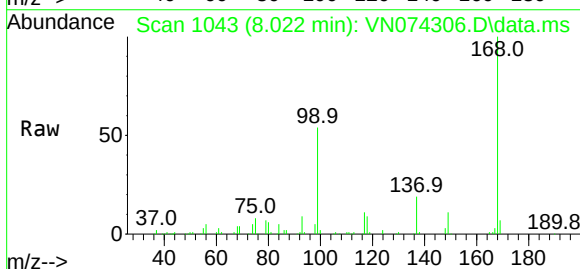
Tgt Ion: 56 Resp: 9364

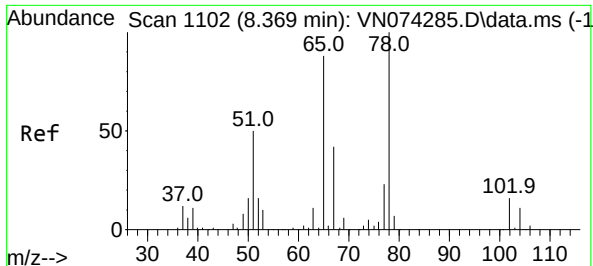
Ion Ratio Lower Upper

56 100

69 84.9 27.8 41.8#

84 104.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 46.496 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

Instrument :

MSVOA_N

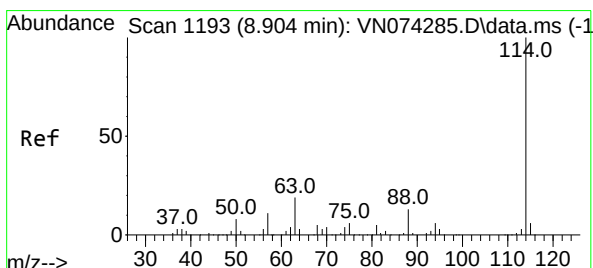
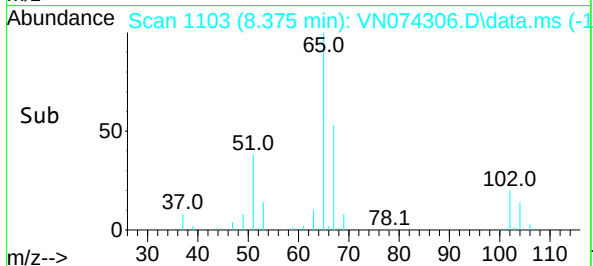
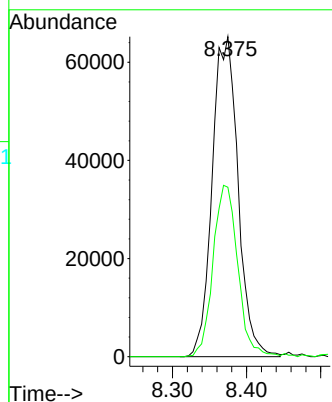
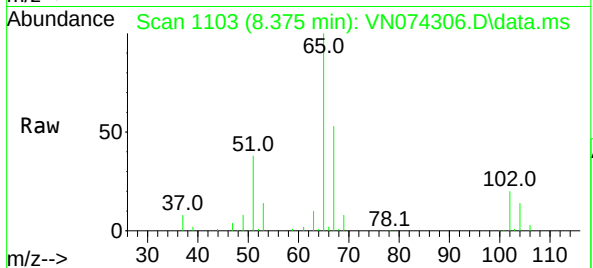
ClientSampleId :

Tgt Ion: 65 Resp: 157923

Ion Ratio Lower Upper

65 100

67 51.1 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: VN074306.D

Acq: 02 Sep 2022 23:50

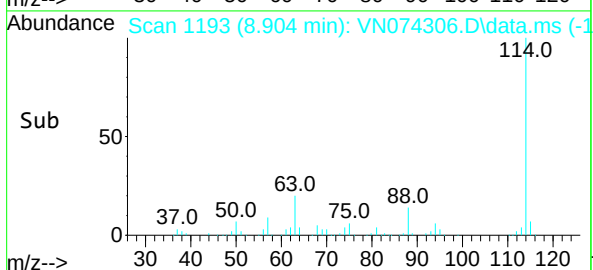
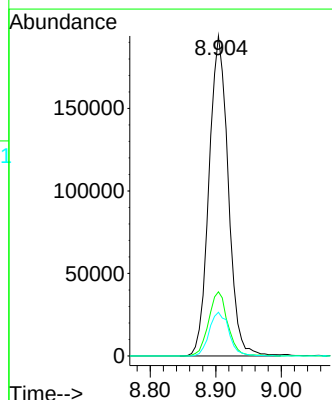
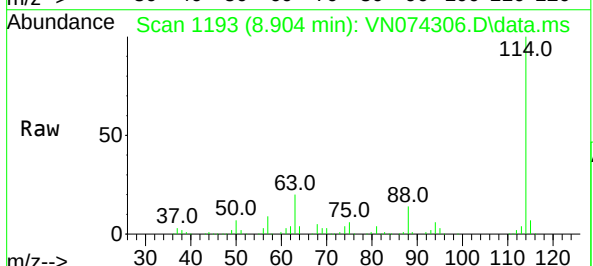
Tgt Ion: 114 Resp: 394998

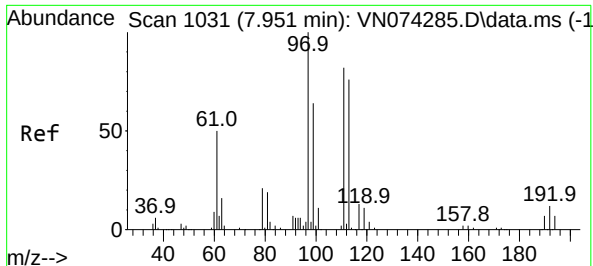
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 13.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.291 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

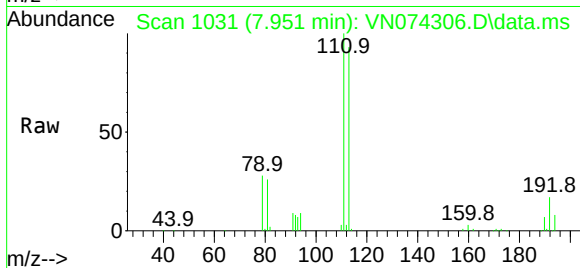
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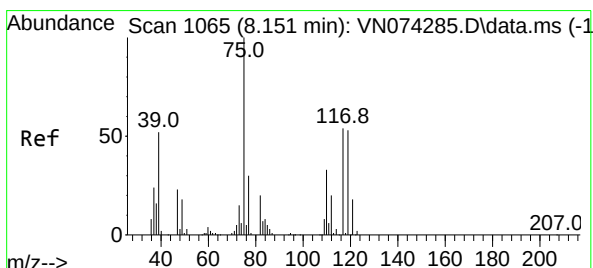
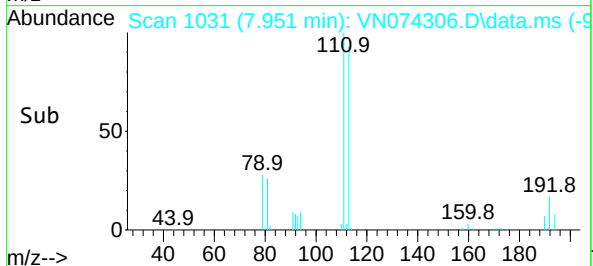
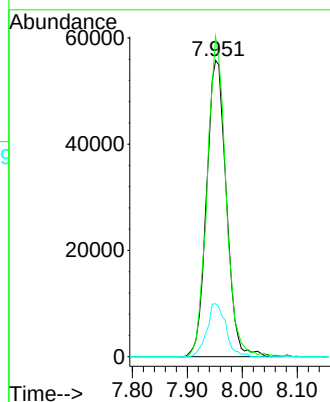
Tgt Ion:113 Resp: 139488

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

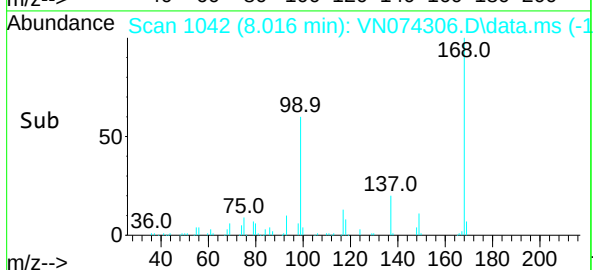
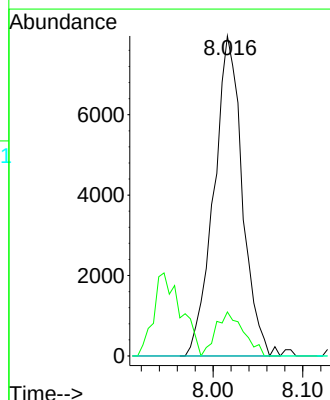
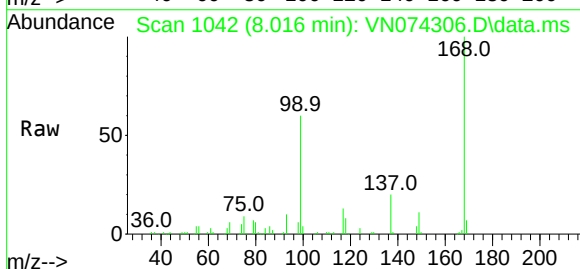
Tgt Ion: 75 Resp: 17494

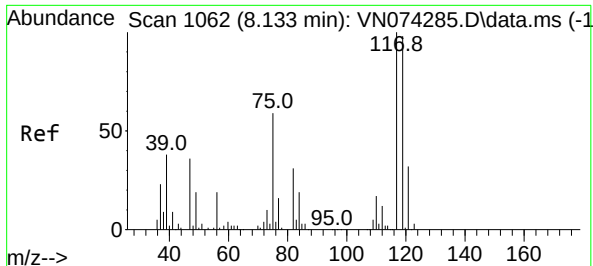
Ion Ratio Lower Upper

75 100

110 13.3 18.3 54.8#

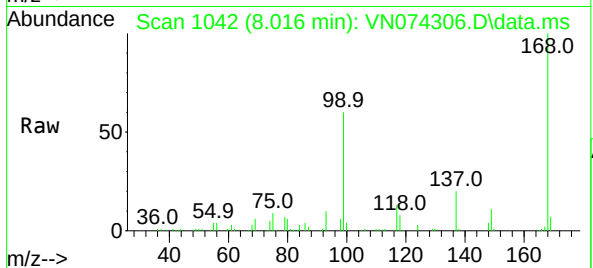
77 0.0 25.1 37.7#



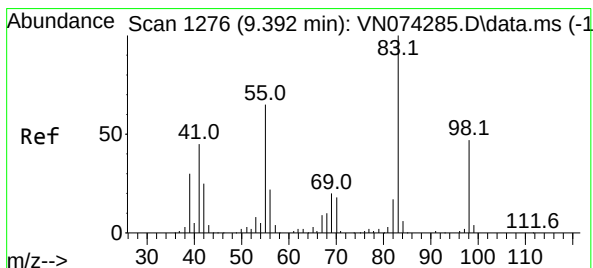
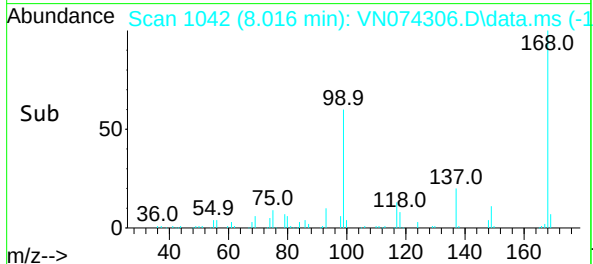
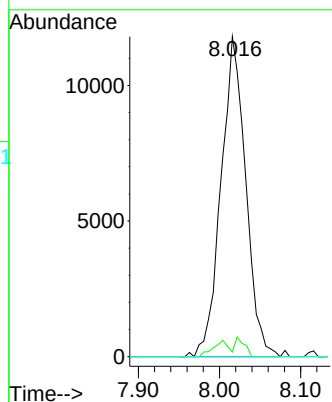


#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Instrument :
MSVOA_N
ClientSampleId :

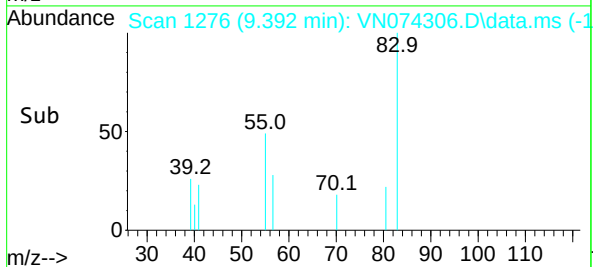
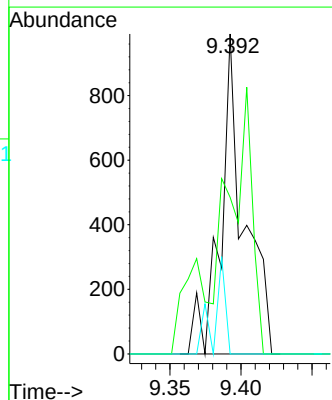
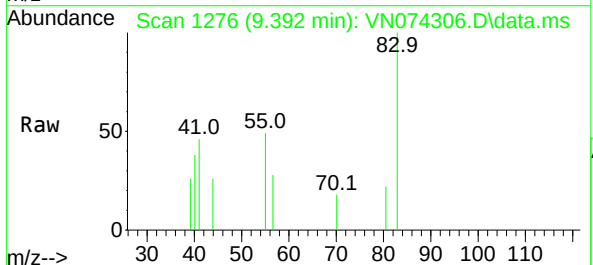


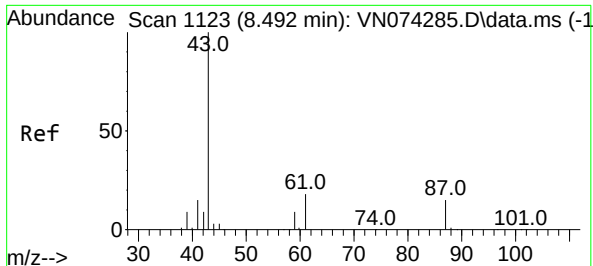
Tgt Ion:117 Resp: 24939
Ion Ratio Lower Upper
117 100
119 1.4 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.253 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Tgt Ion: 83 Resp: 1131
Ion Ratio Lower Upper
83 100
55 48.9 57.8 86.8#
98 0.0 39.4 59.2#





#43

Isopropyl Acetate

Concen: 0.598 ug/l

RT: 8.639 min Scan# 1123

Delta R.T. 0.147 min

Lab File: VN074306.D

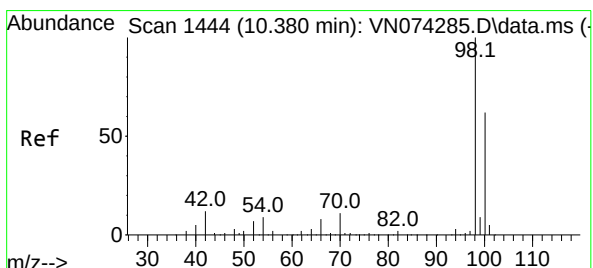
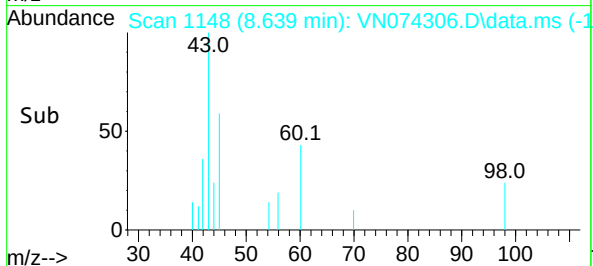
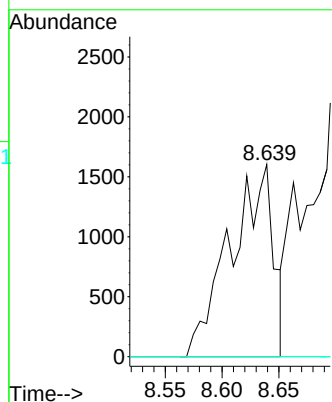
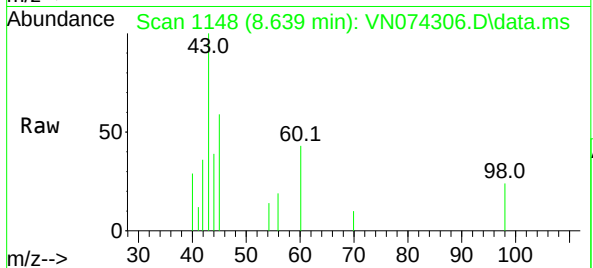
Acq: 02 Sep 2022 23:50

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 4220
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 45.500 ug/l

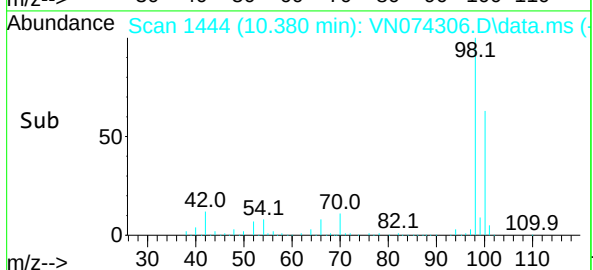
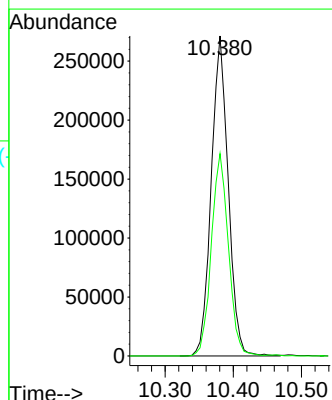
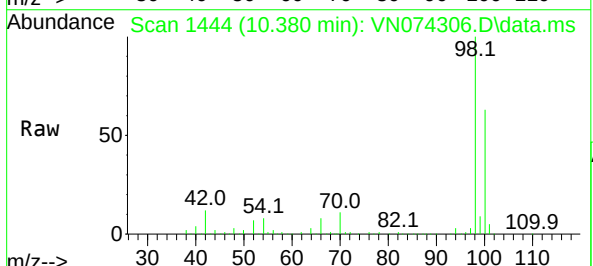
RT: 10.380 min Scan# 1444

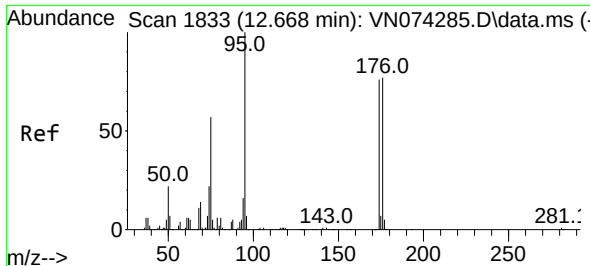
Delta R.T. 0.000 min

Lab File: VN074306.D

Acq: 02 Sep 2022 23:50

Tgt Ion: 98	Resp: 469616
Ion Ratio	Lower Upper
98	100
100	63.8 52.6 78.8

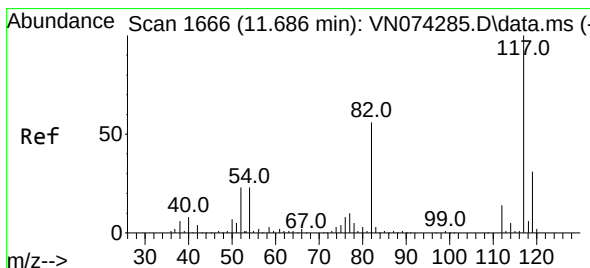
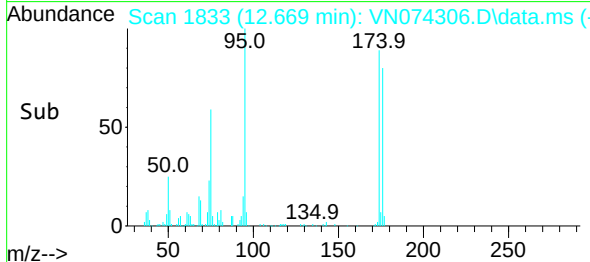
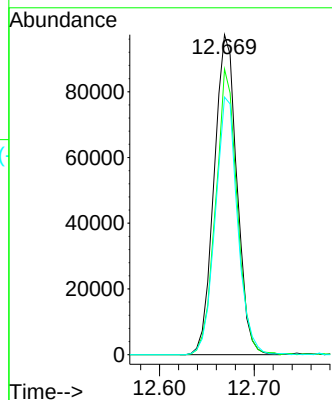
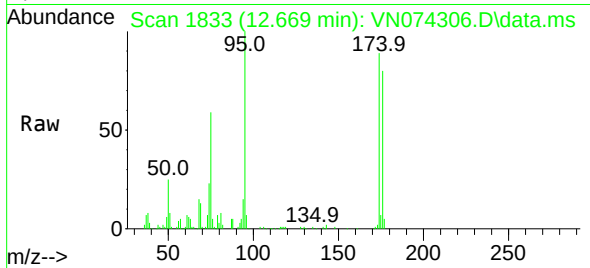




#62
4-Bromofluorobenzene
Concen: 43.437 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

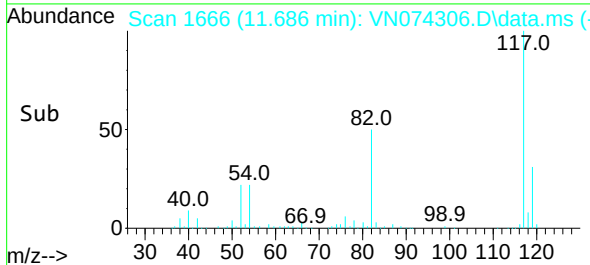
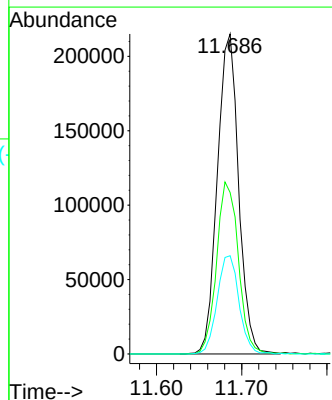
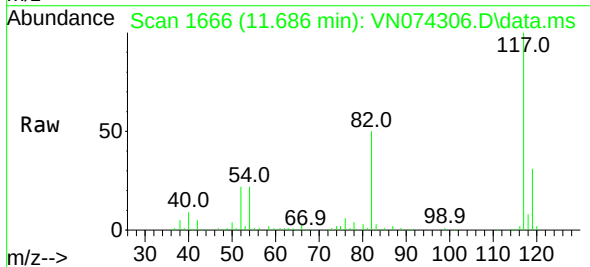
Instrument :
MSVOA_N
ClientSampleId :

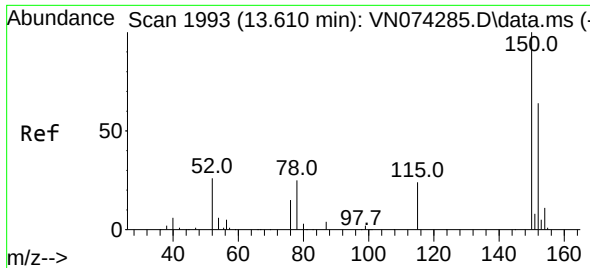
Tgt Ion: 95 Resp: 162553
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.6
176 79.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

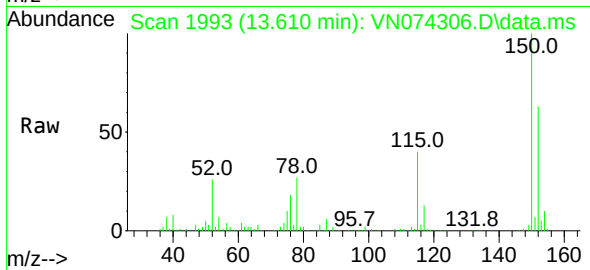
Tgt Ion: 117 Resp: 372745
Ion Ratio Lower Upper
117 100
82 50.4 44.2 66.2
119 30.7 25.4 38.0



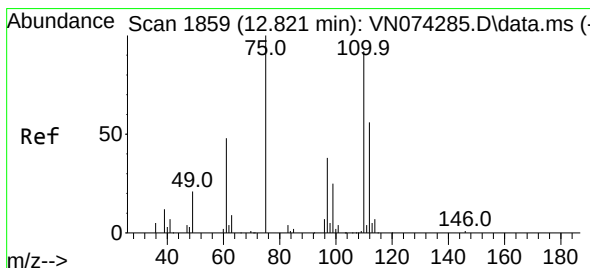
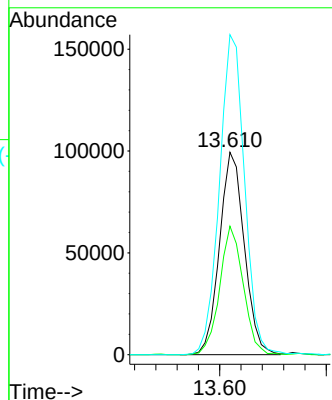
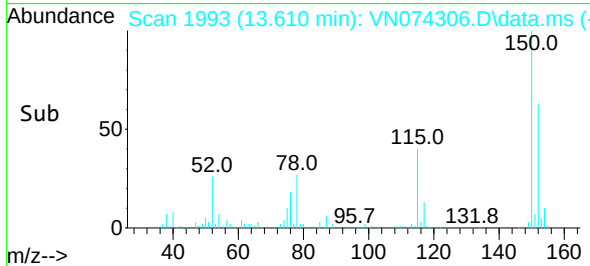


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074306.D
 Acq: 02 Sep 2022 23:50

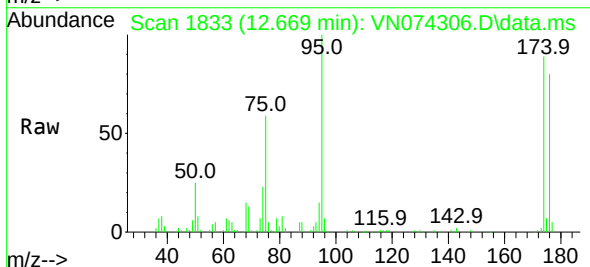
Instrument :
 MSVOA_N
 ClientSampleId :



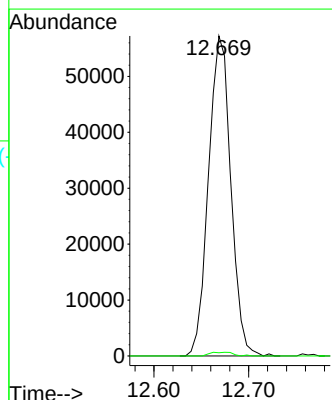
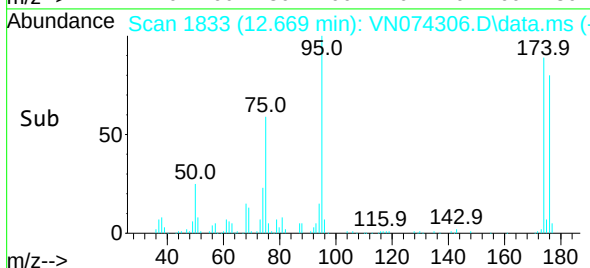
Tgt Ion:152 Resp: 160768
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.9 86.7
 150 160.4 0.0 356.2

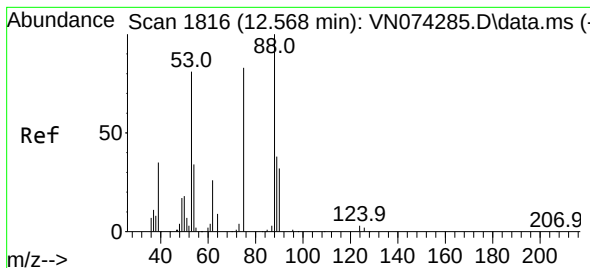


#76
 1,2,3-Trichloropropane
 Concen: 20.591 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074306.D
 Acq: 02 Sep 2022 23:50



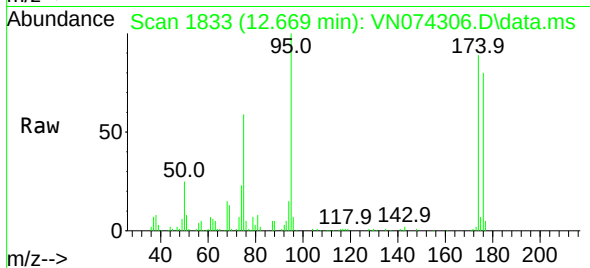
Tgt Ion: 75 Resp: 93756
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



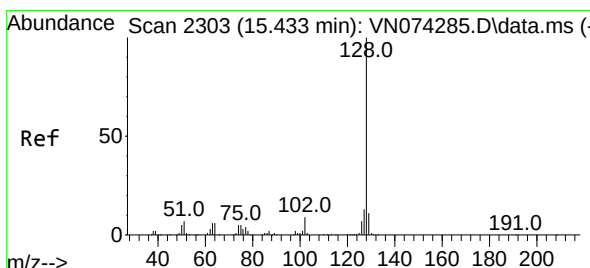
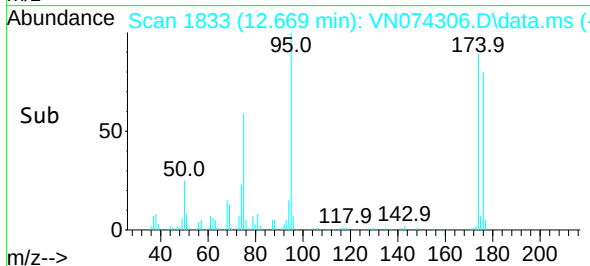
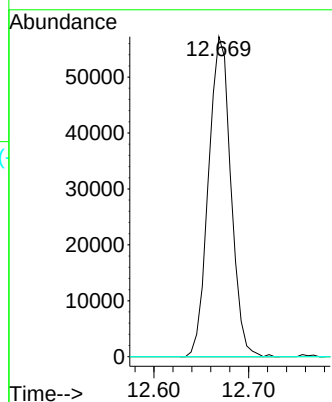


#81
trans-1,4-Dichloro-2-butene
Concen: 66.843 ug/l
RT: 12.669 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

Instrument :
MSVOA_N
ClientSampleId :

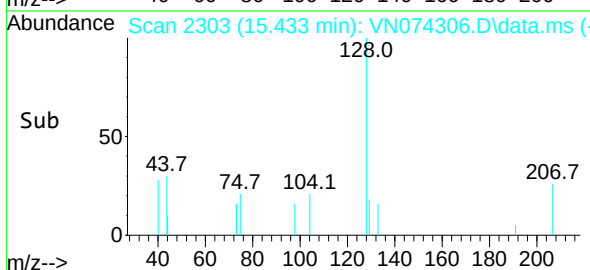
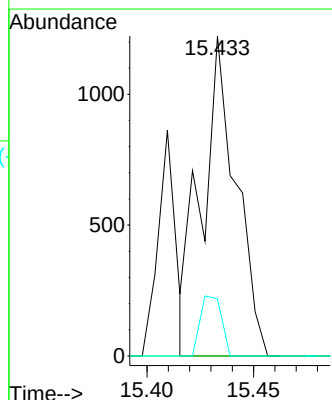
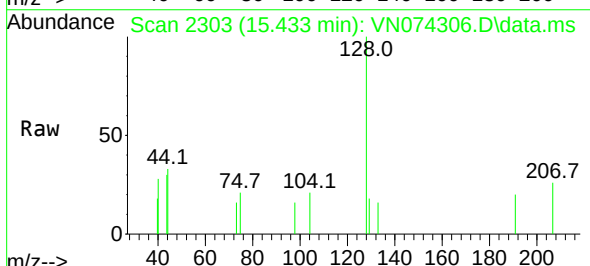


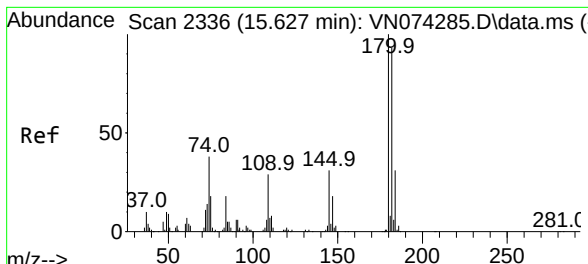
Tgt Ion: 75 Resp: 93756
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.878 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074306.D
Acq: 02 Sep 2022 23:50

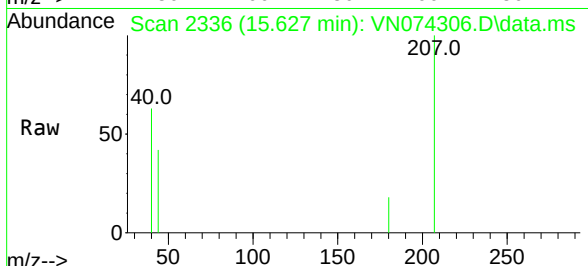
Tgt Ion: 128 Resp: 1359
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 11.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.431 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074306.D
 Acq: 02 Sep 2022 23:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	56
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

