

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074096.D
 Acq On : 24 Aug 2022 17:04
 Operator : JC\MD
 Sample : N4222-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 07:55:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	600216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	898750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	741003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	321660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	299723	51.269	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.540%
35) Dibromofluoromethane	7.951	113	267821	50.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.780%
50) Toluene-d8	10.380	98	988350	48.013	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.674	95	310687	45.477	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.960%

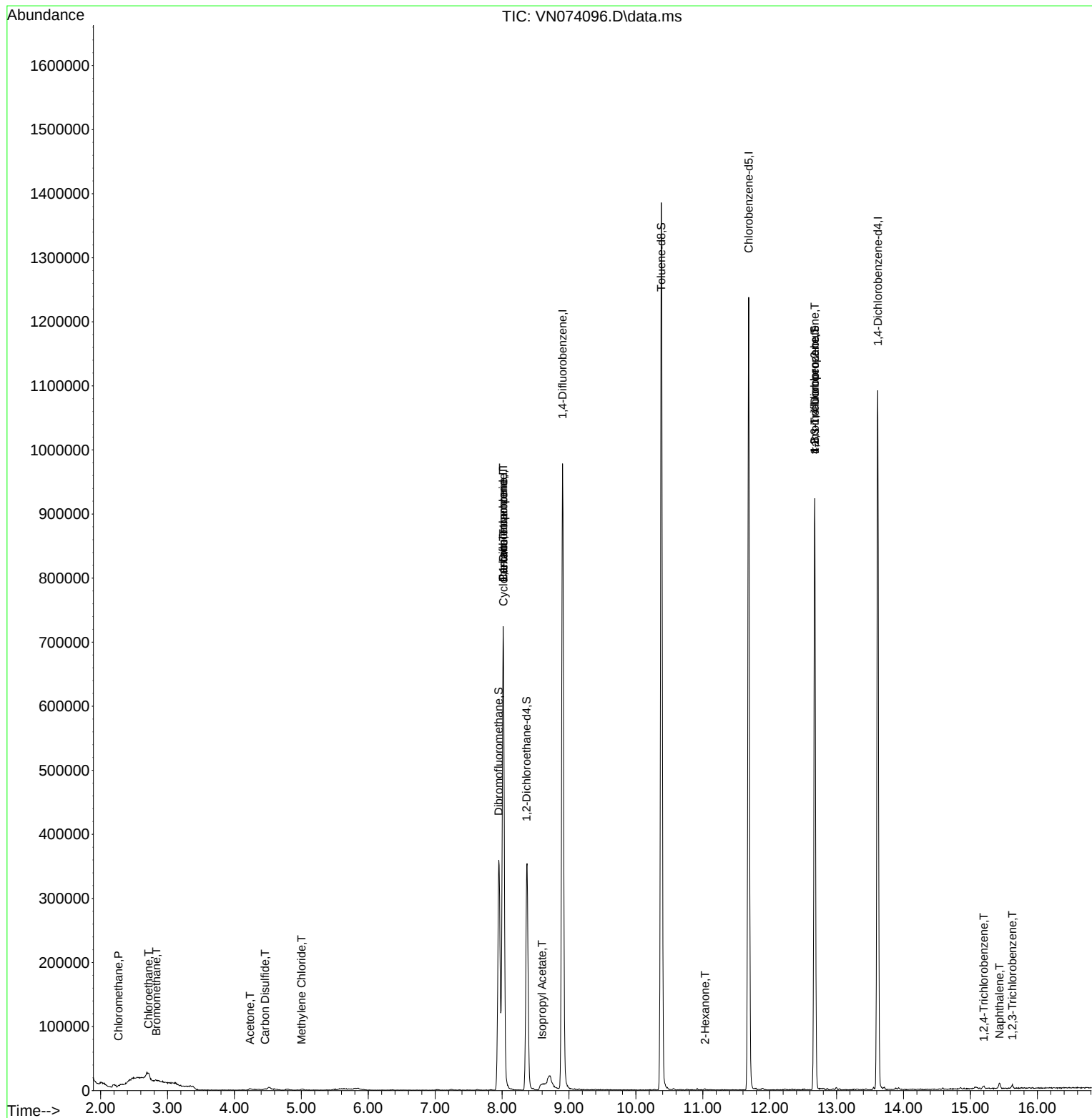
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.269	50	1412	0.267	ug/l	98
5) Bromomethane	2.834	94	1509	0.356	ug/l	92
6) Chloroethane	2.716	64	5623	1.172	ug/l #	50
16) Acetone	4.234	43	4557	1.652	ug/l	93
17) Carbon Disulfide	4.457	76	2620	0.233	ug/l #	75
18) Methyl Acetate	4.798	43	4022	Below Cal	#	79
20) Methylene Chloride	5.004	84	1660	0.285	ug/l #	68
31) Cyclohexane	8.022	56	9398	1.153	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	38988	5.281	ug/l #	49
38) Carbon Tetrachloride	8.016	117	53861	6.383	ug/l #	16
43) Isopropyl Acetate	8.598	43	8447	0.663	ug/l #	53
59) 2-Hexanone	11.033	43	1920	0.290	ug/l	64
76) 1,2,3-Trichloropropane	12.674	75	149844	22.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	149844	63.746	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.198	180	1983	0.287	ug/l	96
95) Naphthalene	15.433	128	8569	0.380	ug/l	96
96) 1,2,3-Trichlorobenzene	15.627	180	2275	0.319	ug/l	93

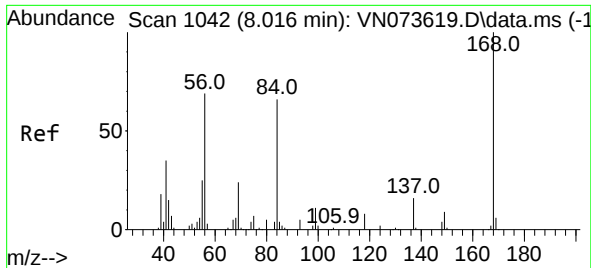
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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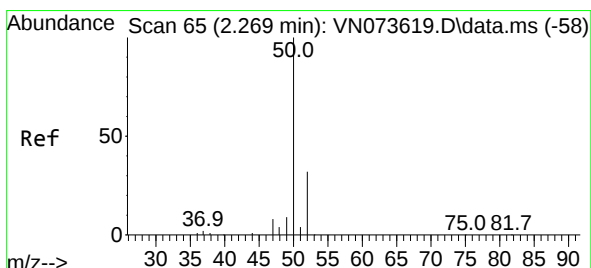
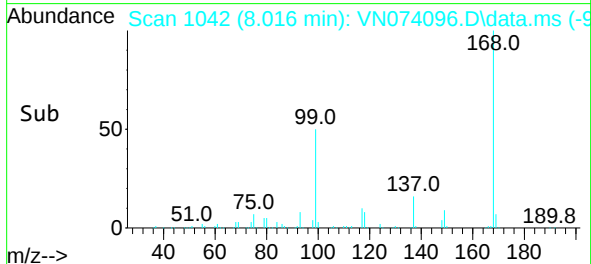
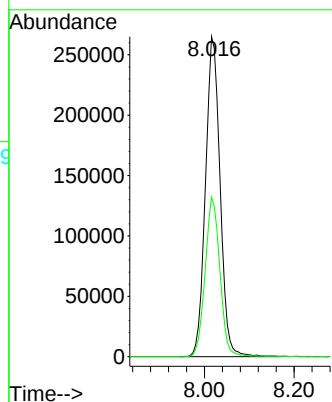
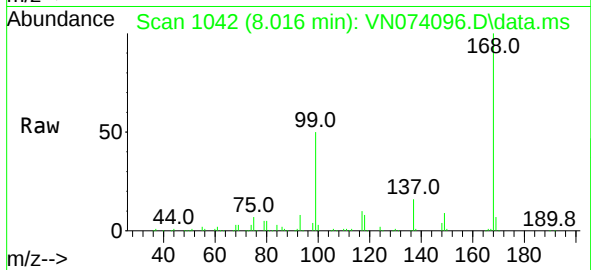




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

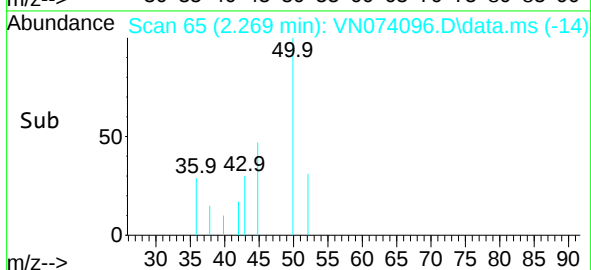
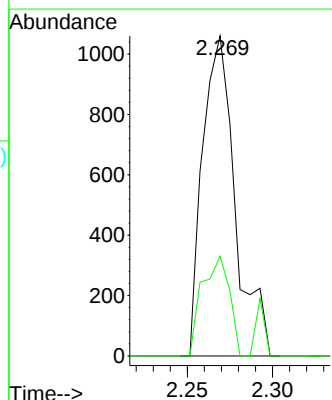
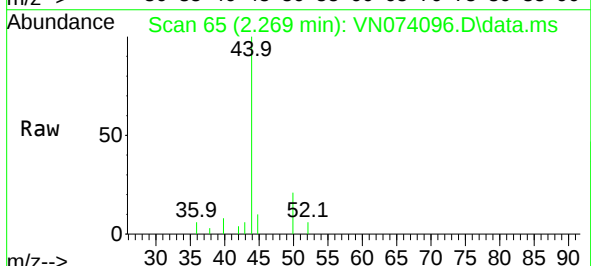
Instrument :
MSVOA_N
ClientSampleId :

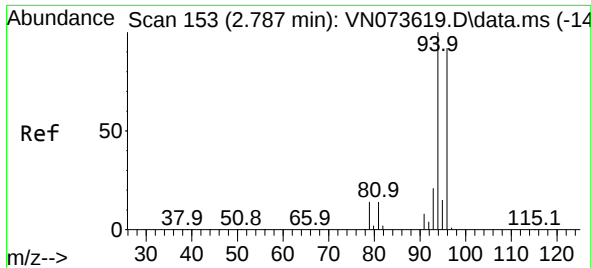
Tgt Ion:168 Resp: 600216
Ion Ratio Lower Upper
168 100
99 49.9 42.3 63.5



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion: 50 Resp: 1412
Ion Ratio Lower Upper
50 100
52 31.1 25.7 38.5

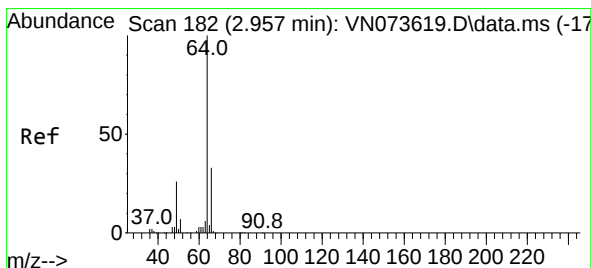
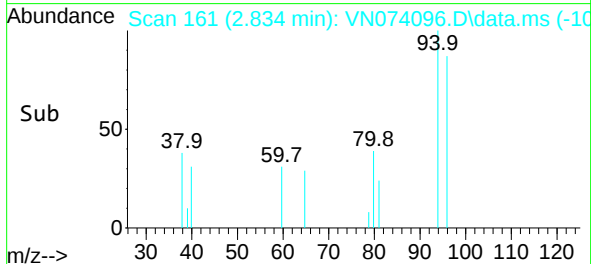
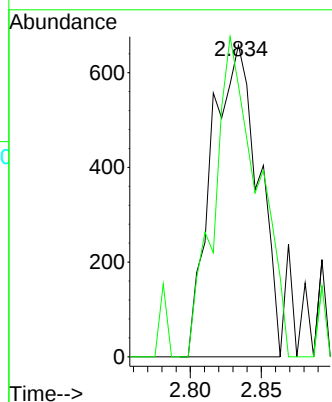
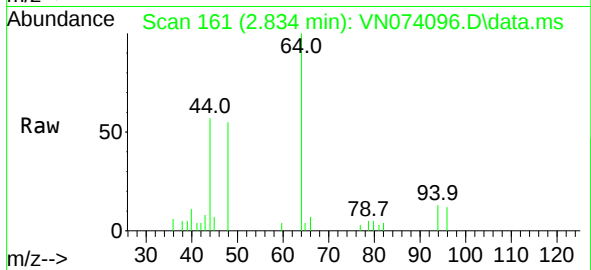




#5
Bromomethane
Concen: 0.356 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

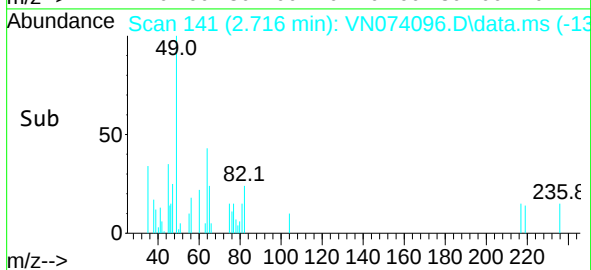
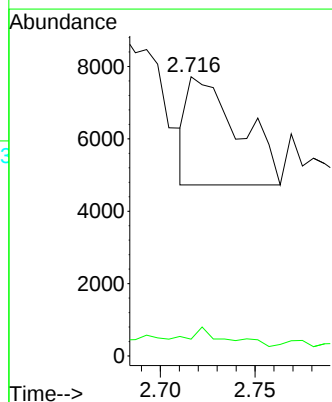
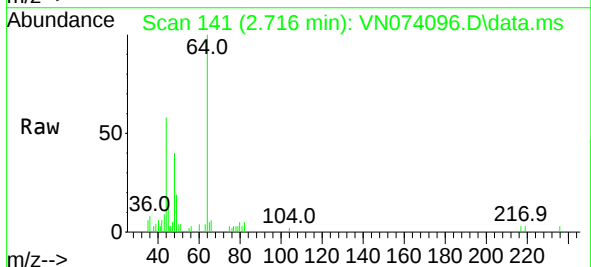
Instrument :
MSVOA_N
ClientSampleId :

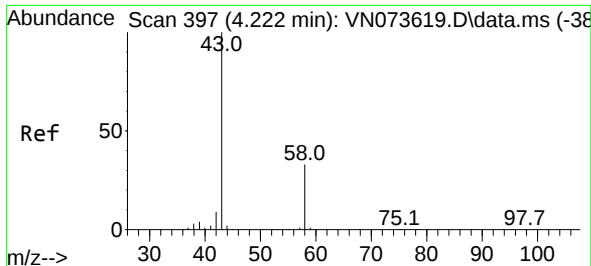
Tgt Ion: 94 Resp: 1509
Ion Ratio Lower Upper
94 100
96 87.1 76.0 114.0



#6
Chloroethane
Concen: 1.172 ug/l
RT: 2.716 min Scan# 141
Delta R.T. -0.241 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion: 64 Resp: 5623
Ion Ratio Lower Upper
64 100
66 4.7 26.2 39.4#

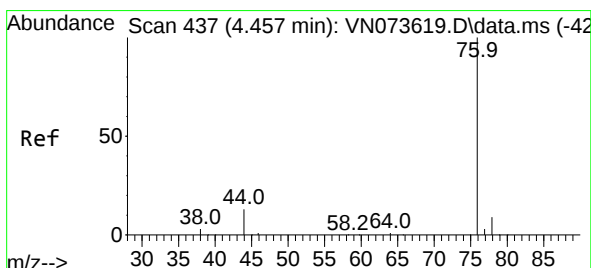
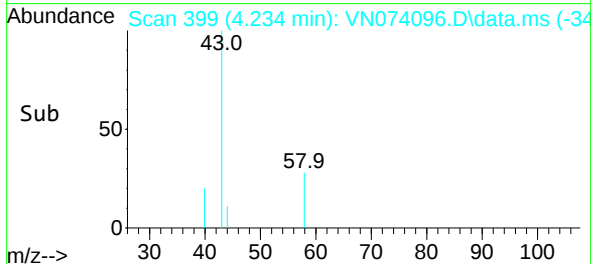
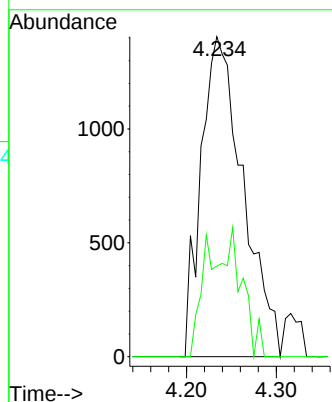
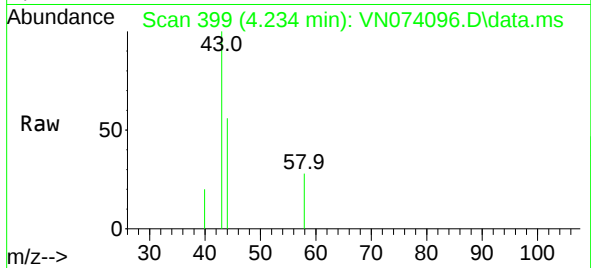




#16
Acetone
Concen: 1.652 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

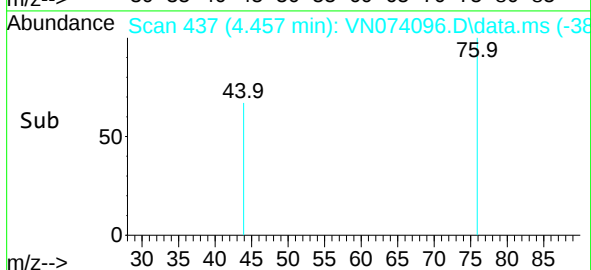
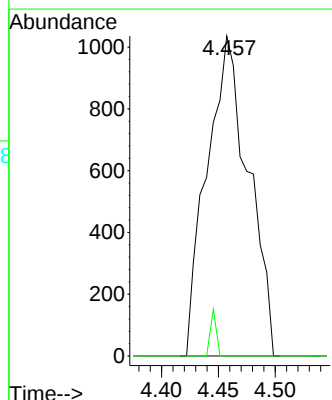
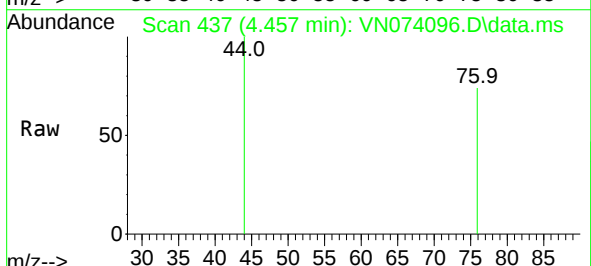
Instrument :
MSVOA_N
ClientSampleId :

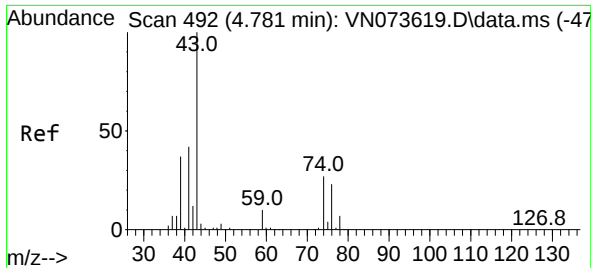
Tgt Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
58 28.3 26.0 39.0



#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion: 76 Resp: 2620
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

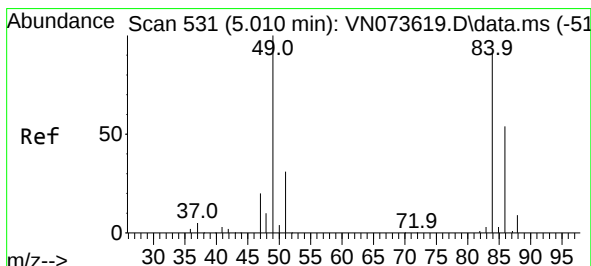
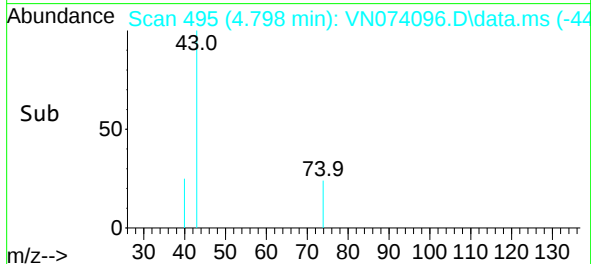
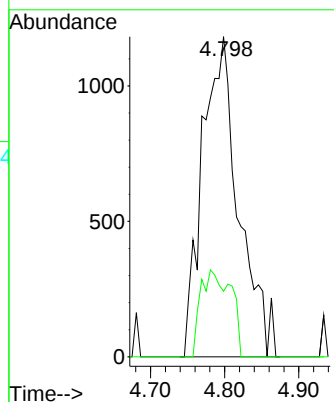
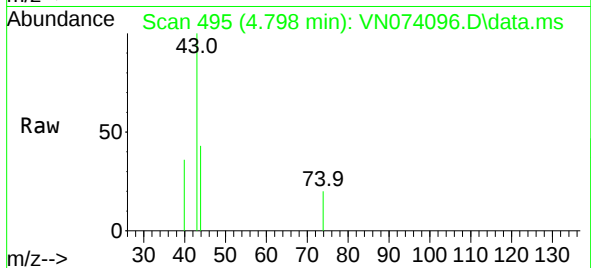




#18
Methyl Acetate
Concen: Below Cal
RT: 4.798 min Scan# 495
Delta R.T. 0.017 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

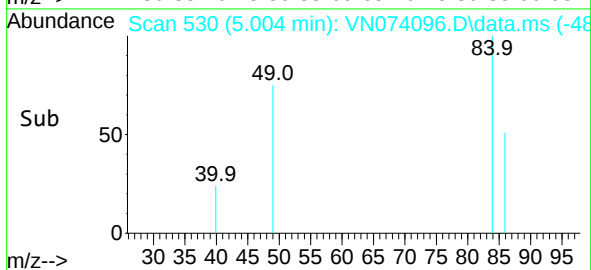
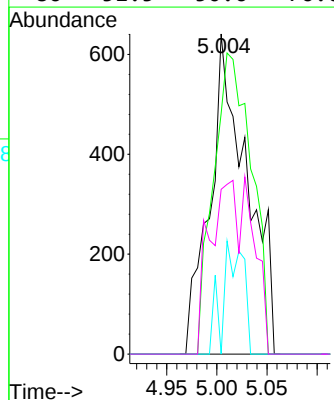
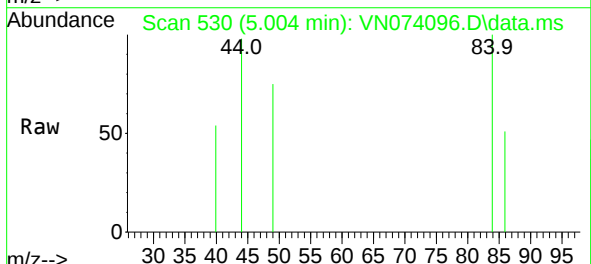
Instrument :
MSVOA_N
ClientSampleId :

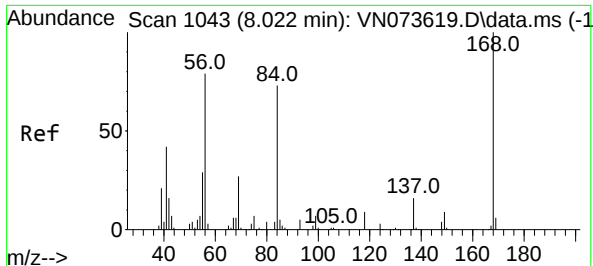
Tgt Ion: 43 Resp: 4022
Ion Ratio Lower Upper
43 100
74 16.0 21.6 32.4#



#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion: 84 Resp: 1660
Ion Ratio Lower Upper
84 100
49 75.2 88.3 132.5#
51 0.0 28.2 42.2#
86 51.5 50.6 76.0





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.000 min

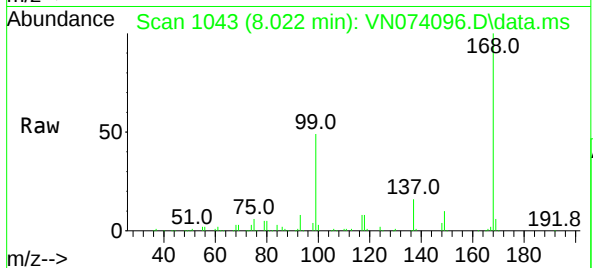
Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

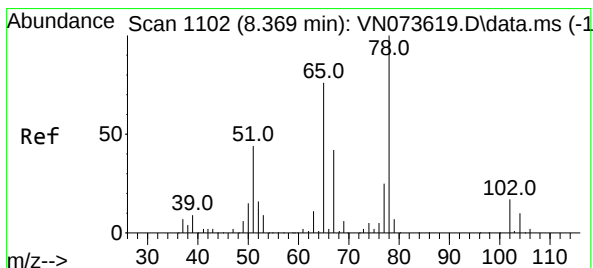
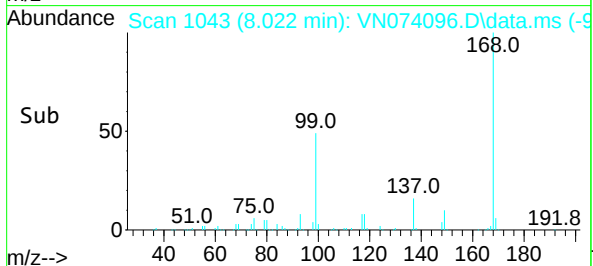
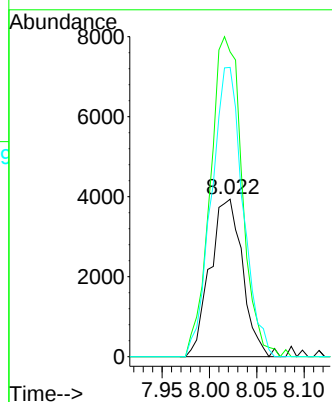
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	9398
Ion Ratio	Lower	Upper	
56	100		
69	193.7	27.8	41.8#
84	183.9	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 51.269 ug/l

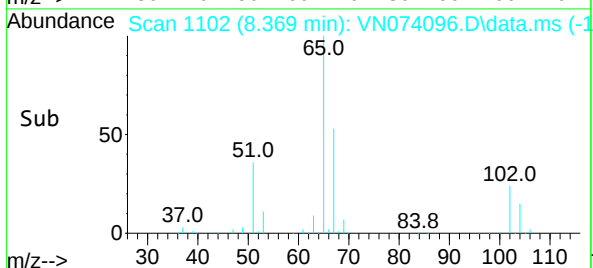
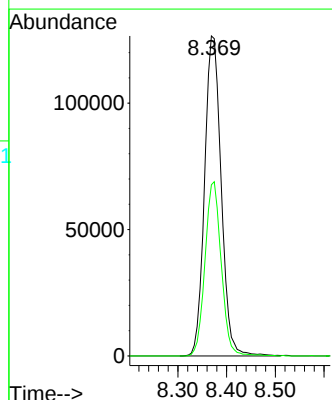
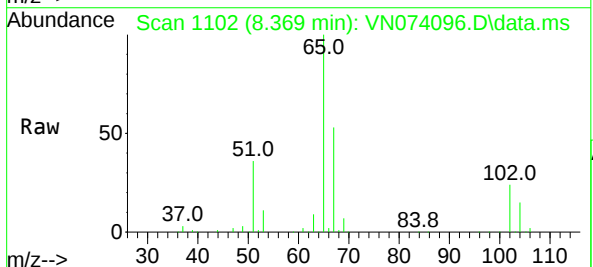
RT: 8.369 min Scan# 1102

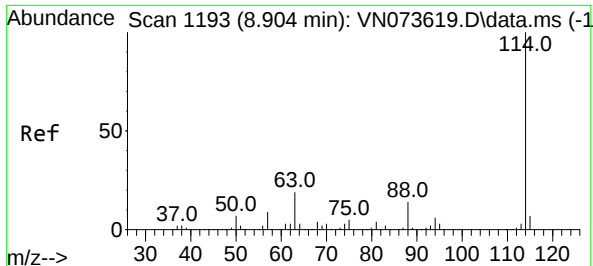
Delta R.T. -0.000 min

Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

Tgt Ion:	65	Resp:	299723
Ion Ratio	Lower	Upper	
65	100		
67	53.1	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: VN074096.D

Acq: 24 Aug 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

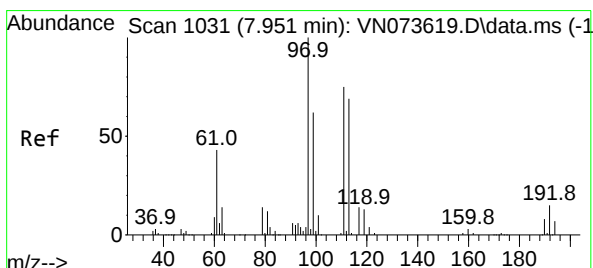
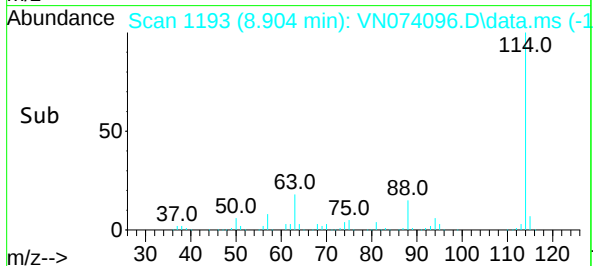
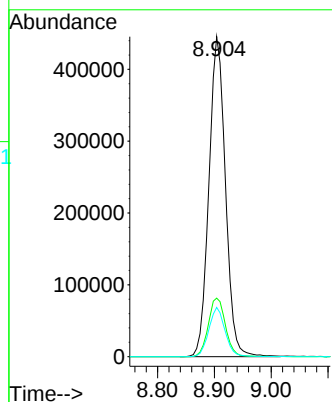
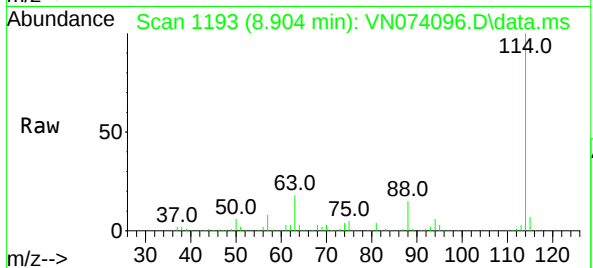
Tgt Ion:114 Resp: 898750

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.389 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

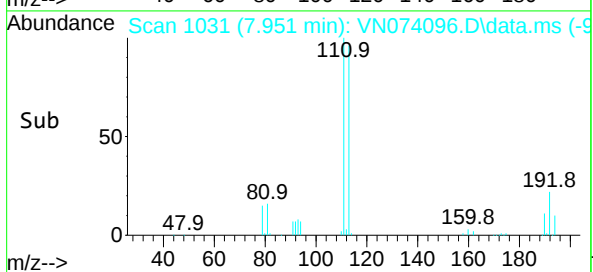
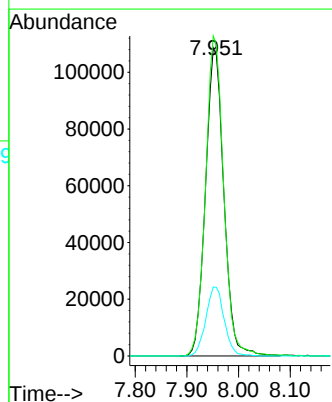
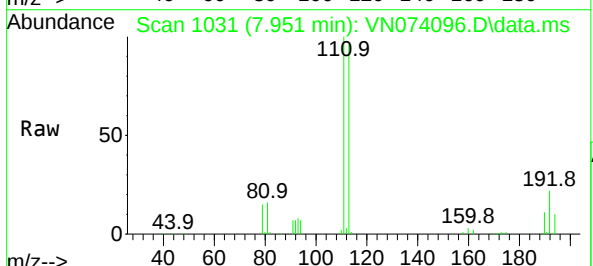
Tgt Ion:113 Resp: 267821

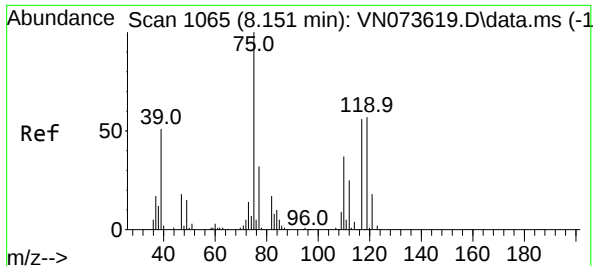
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 22.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.281 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

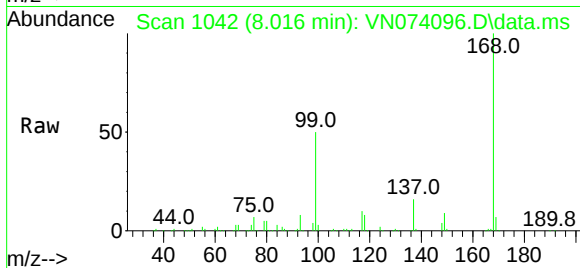
Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

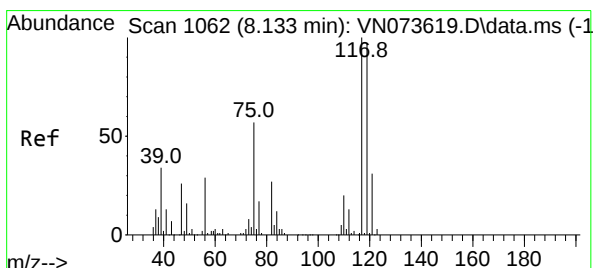
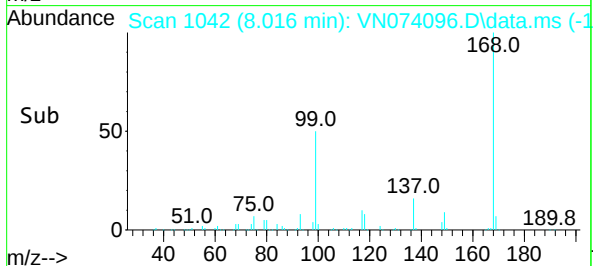
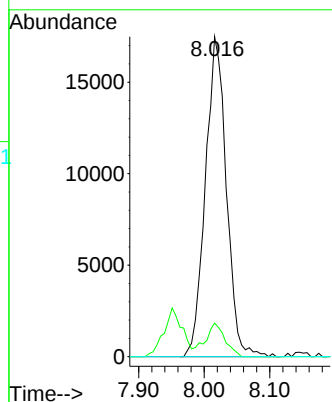
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	38988
Ion Ratio	Lower	Upper	
75	100		
110	9.5	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.383 ug/l

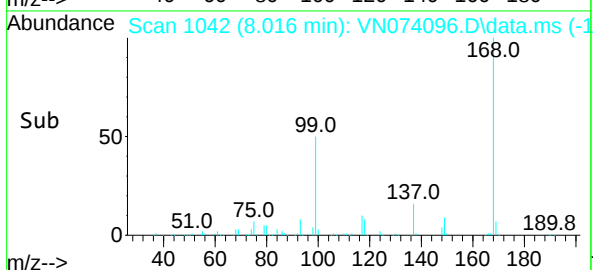
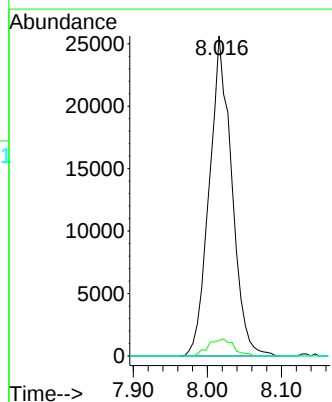
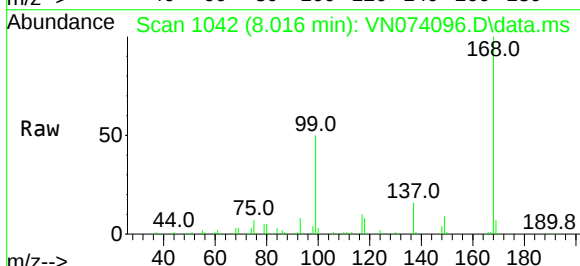
RT: 8.016 min Scan# 1042

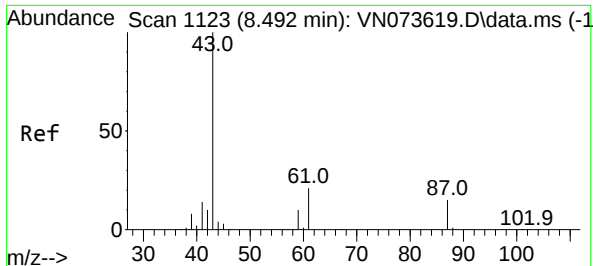
Delta R.T. -0.117 min

Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

Tgt Ion:	117	Resp:	53861
Ion Ratio	Lower	Upper	
117	100		
119	4.8	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.663 ug/l

RT: 8.598 min Scan# 1123

Delta R.T. 0.106 min

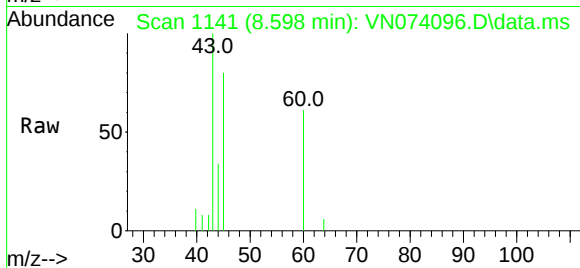
Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

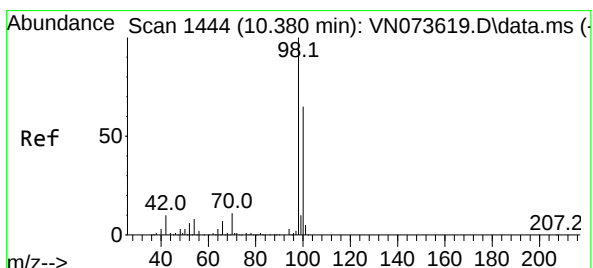
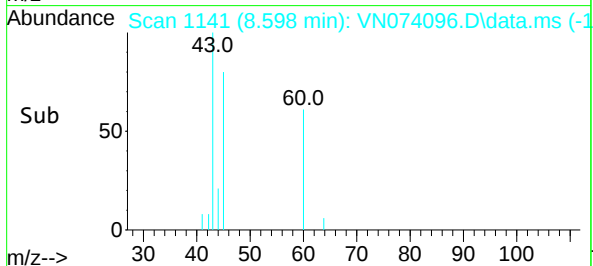
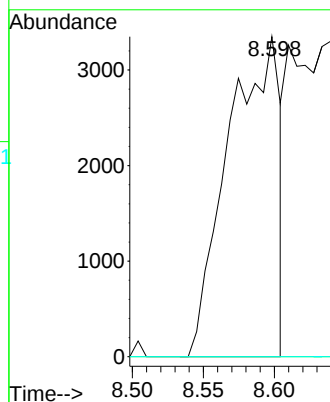
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 8447
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 48.013 ug/l

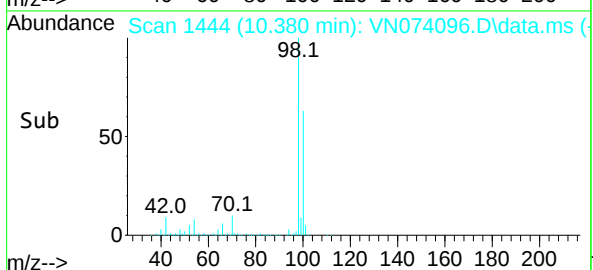
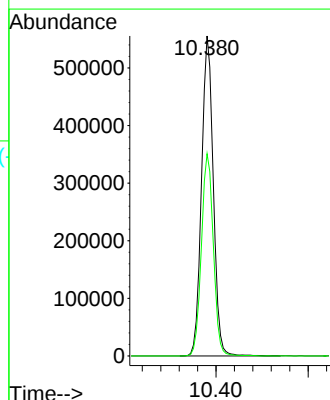
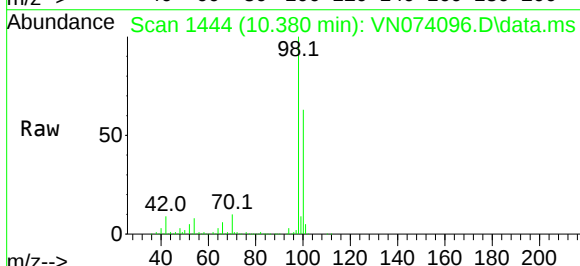
RT: 10.380 min Scan# 1444

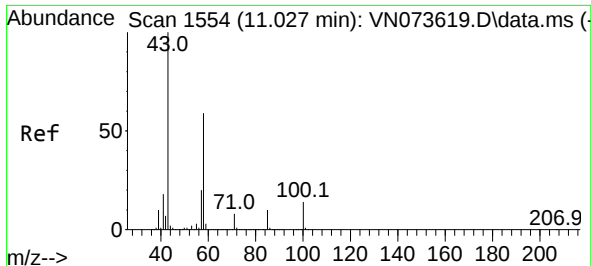
Delta R.T. 0.000 min

Lab File: VN074096.D

Acq: 24 Aug 2022 17:04

Tgt Ion: 98	Resp: 988350
Ion Ratio	Lower Upper
98	100
100	64.2 52.6 78.8

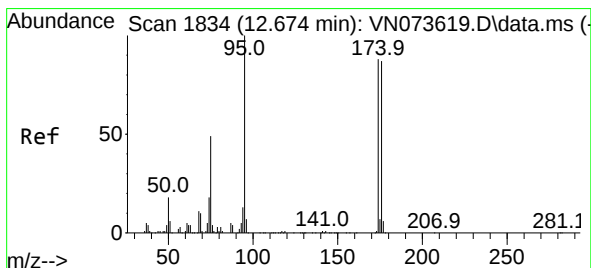
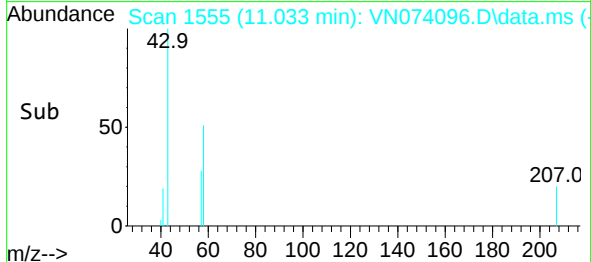
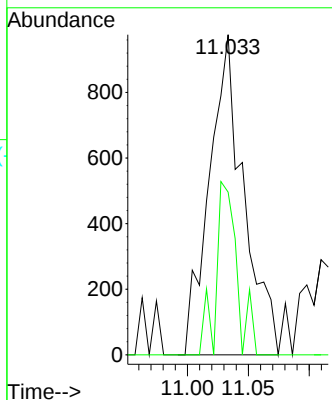
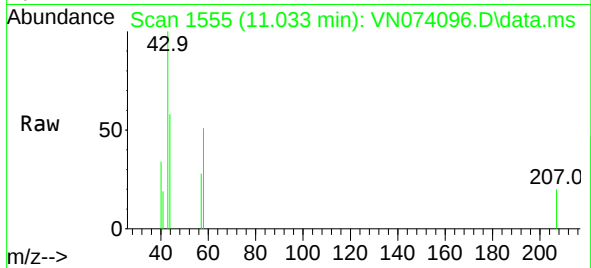




#59
2-Hexanone
Concen: 0.290 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

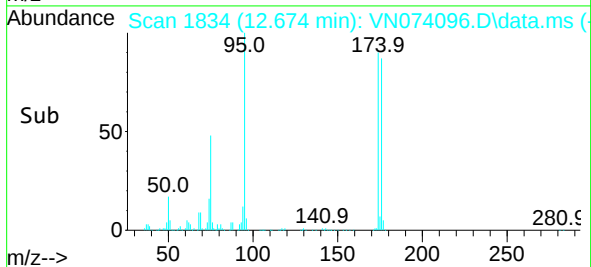
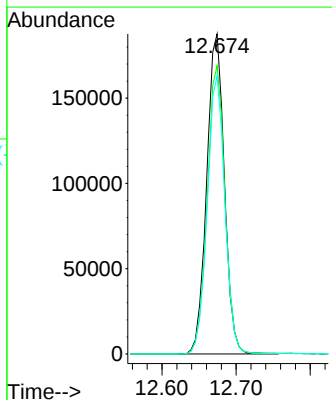
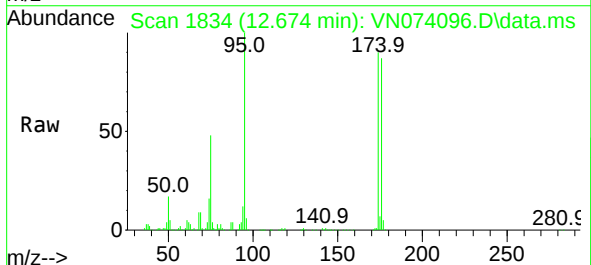
Instrument :
MSVOA_N
ClientSampleId :

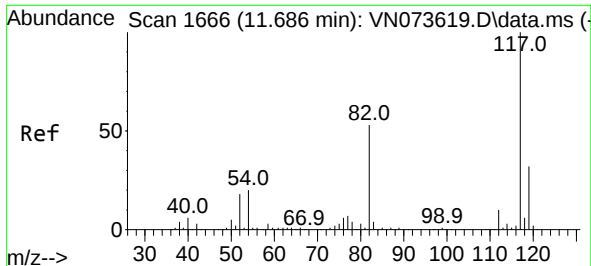
Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
58 32.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 45.477 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion: 95 Resp: 310687
Ion Ratio Lower Upper
95 100
174 90.5 0.0 167.6
176 86.2 0.0 163.4

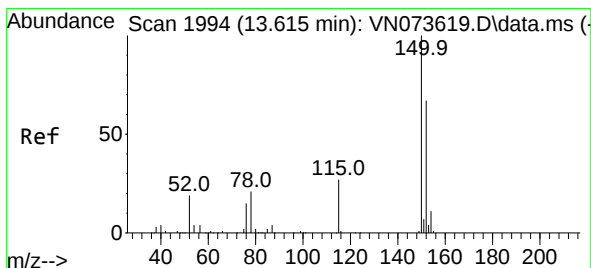
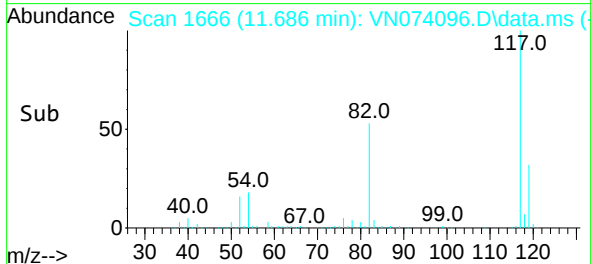
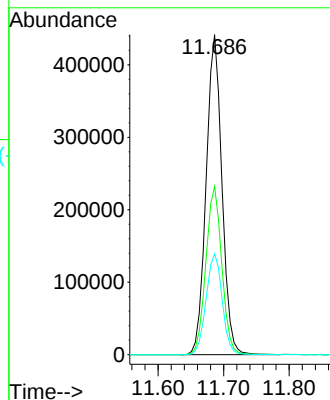
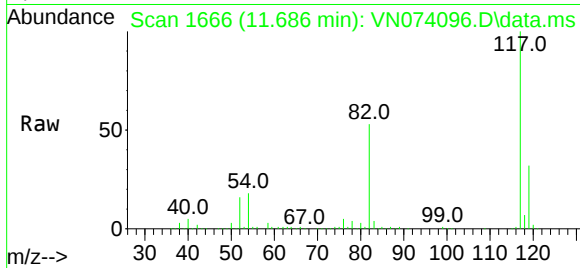




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

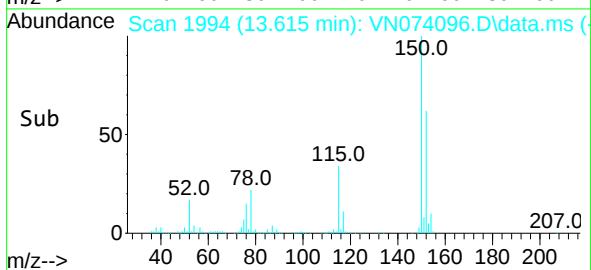
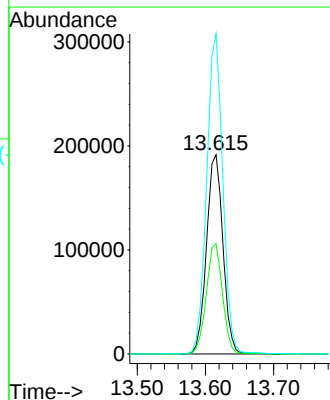
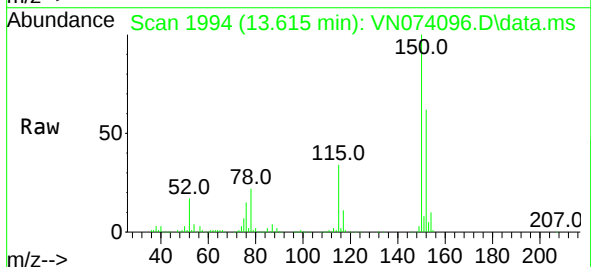
Instrument :
MSVOA_N
ClientSampleId :

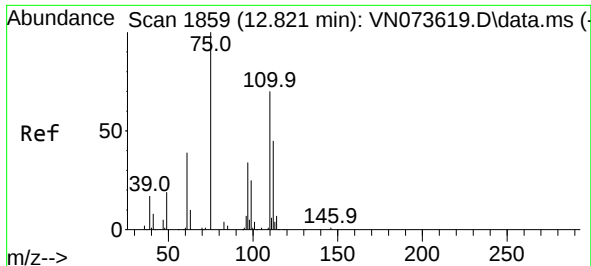
Tgt Ion:117 Resp: 741003
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

Tgt Ion:152 Resp: 321660
Ion Ratio Lower Upper
152 100
115 54.9 28.9 86.7
150 158.0 0.0 356.2

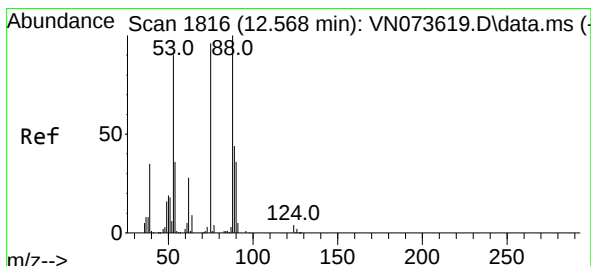
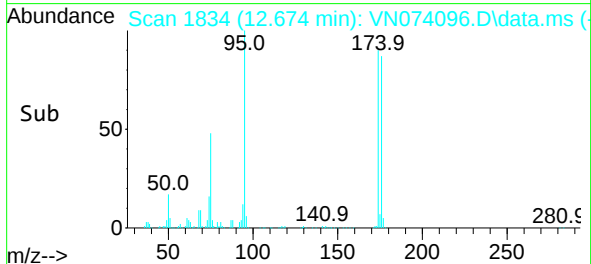
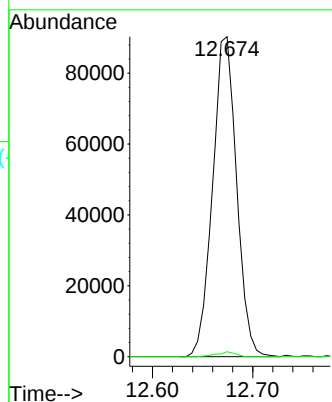
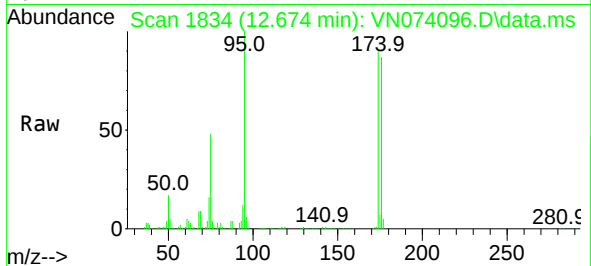




#76
1,2,3-Trichloropropane
Concen: 22.413 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

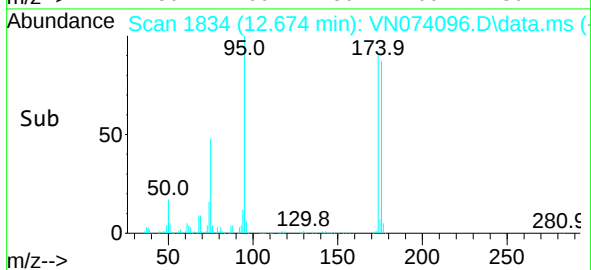
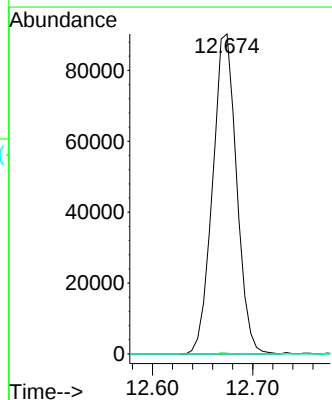
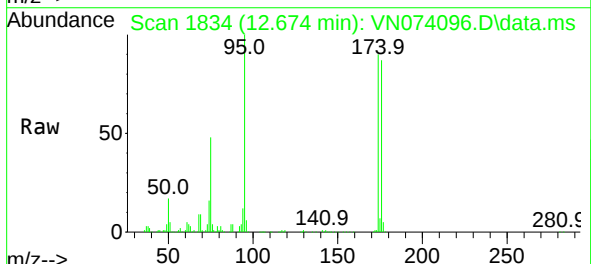
Instrument :
MSVOA_N
ClientSampleId :

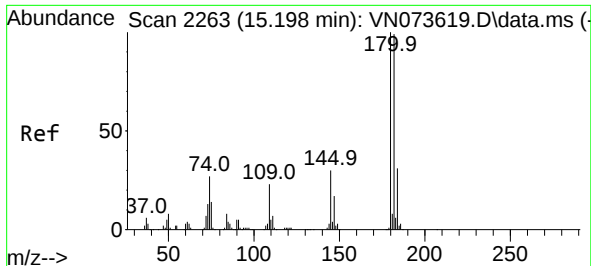
Tgt Ion: 75 Resp: 149844
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.746 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

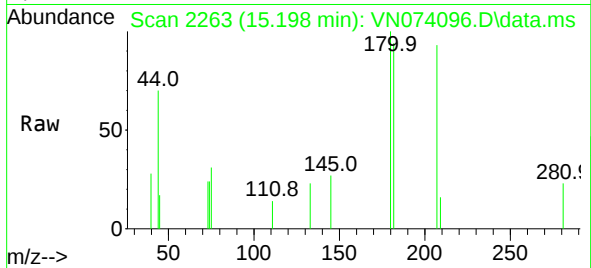
Tgt Ion: 75 Resp: 149844
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



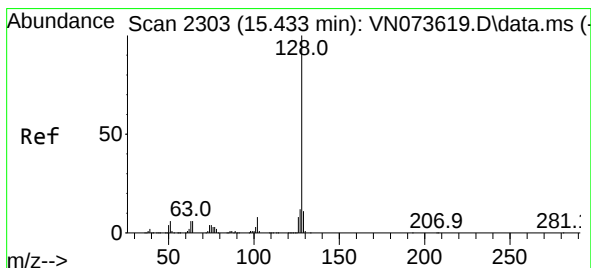
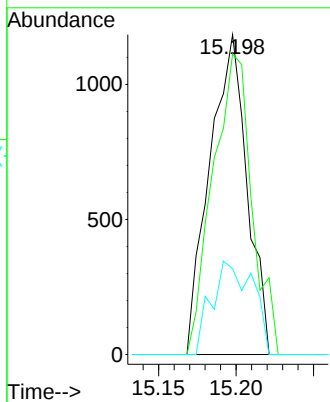
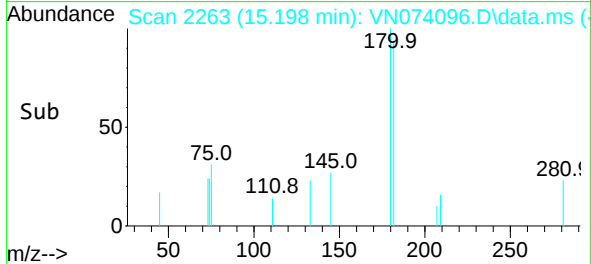


#93
1,2,4-Trichlorobenzene
Concen: 0.287 ug/l
RT: 15.198 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04

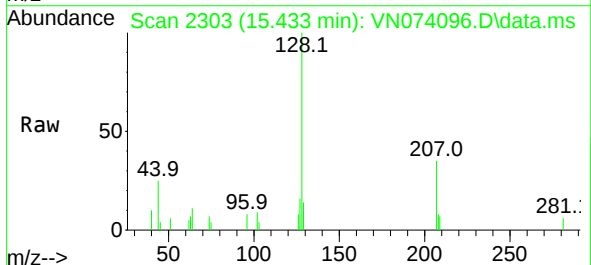
Instrument :
MSVOA_N
ClientSampleId :



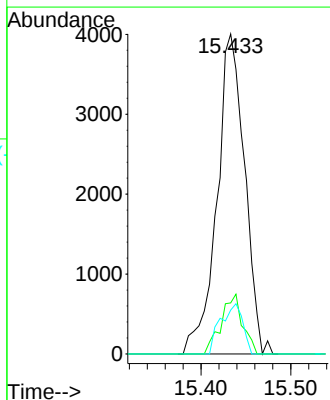
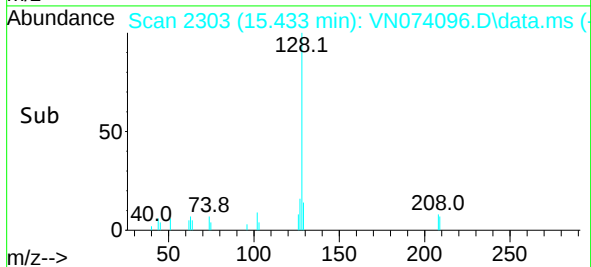
Tgt Ion:180 Resp: 1983
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.5
145 32.0 14.5 43.5

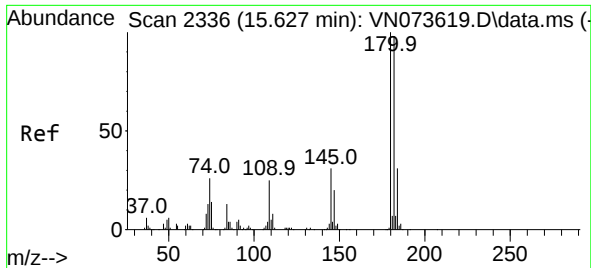


#95
Naphthalene
Concen: 0.380 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074096.D
Acq: 24 Aug 2022 17:04



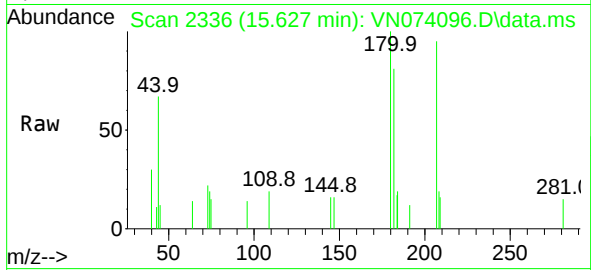
Tgt Ion:128 Resp: 8569
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 12.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.319 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074096.D
 Acq: 24 Aug 2022 17:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2275
Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.8	143.3
145	21.6	15.5	46.5

