

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074362.D
 Acq On : 08 Sep 2022 17:03
 Operator : JC\MD
 Sample : N4437-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Sep 09 05:37:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 09 05:24:20 2022
 Response via : Initial Calibration

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

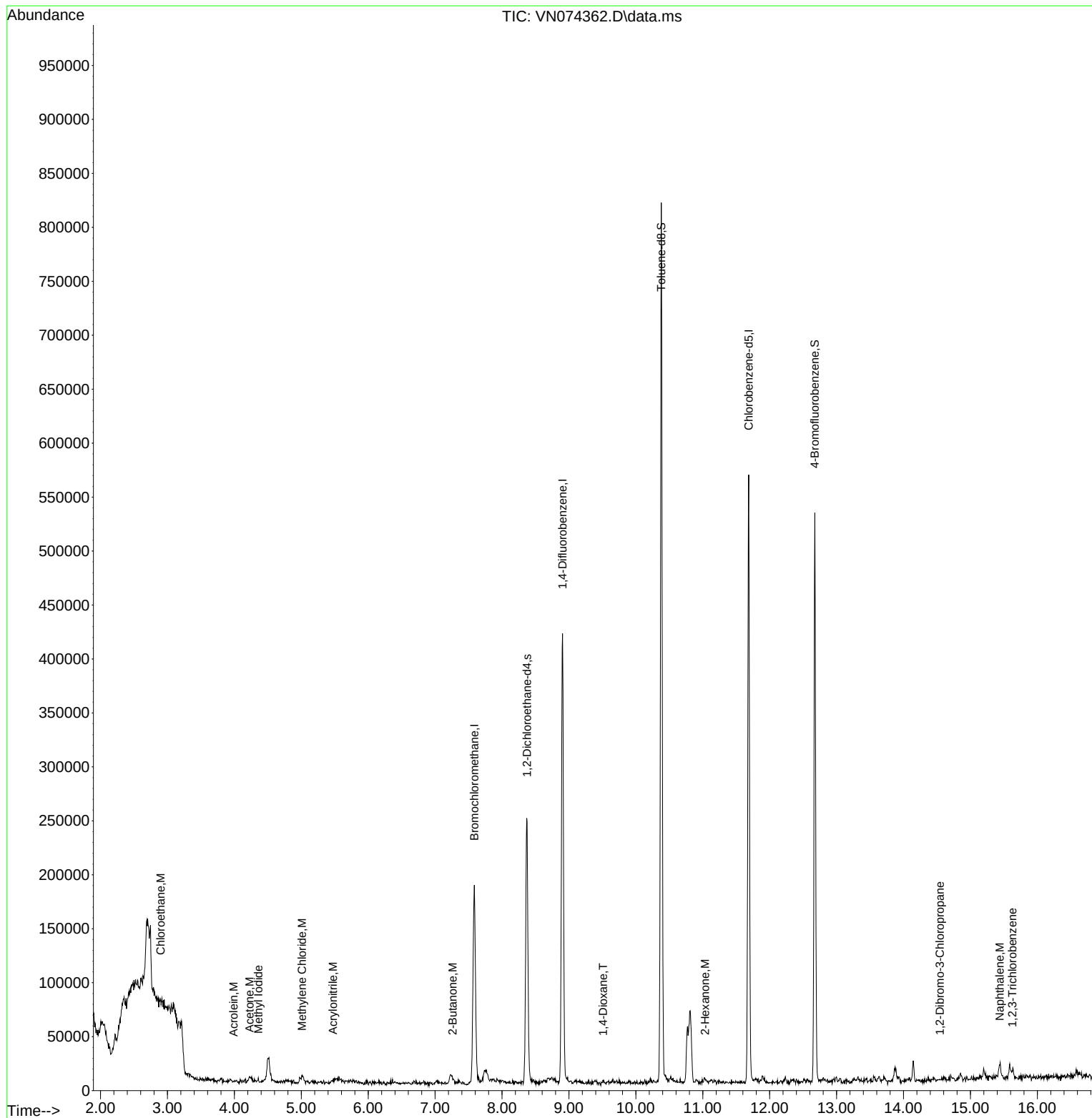
Internal Standards						
1) Bromochloromethane	7.587	128	61826	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	347536	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	295583	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	196702	30.988	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.300%
60) 4-Bromofluorobenzene	12.675	95	149421	25.278	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.267%
63) Toluene-d8	10.381	98	526750	31.727	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.767%
Target Compounds						
					Qvalue	
6) Chloroethane	2.899	64	3396	0.777	ug/l #	44
11) Methyl Iodide	4.357	142	1585	0.313	ug/l #	74
13) Acrolein	3.987	56	488	0.404	ug/l	86
14) Acrylonitrile	5.475	53	1124	0.324	ug/l #	60
15) Acetone	4.228	58	1476	1.605	ug/l #	56
18) Methylene Chloride	5.010	84	3025	0.577	ug/l #	71
30) 2-Butanone	7.263	43	2005	0.410	ug/l #	69
45) 1,4-Dioxane	9.510	88	56	0.392	ug/l #	1
59) 2-Hexanone	11.033	43	1473	0.206	ug/l #	34
88) 1,2-Dibromo-3-Chloropr...	14.545	75	629	0.308	ug/l #	25
91) Naphthalene	15.439	128	14324	0.678	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.627	180	2137	0.400	ug/l	83

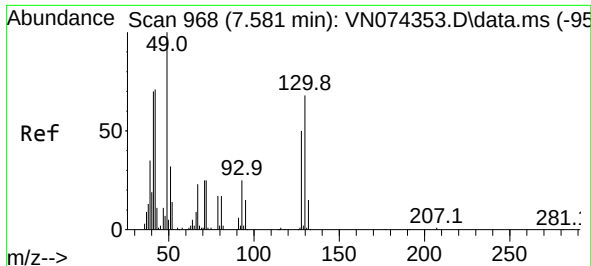
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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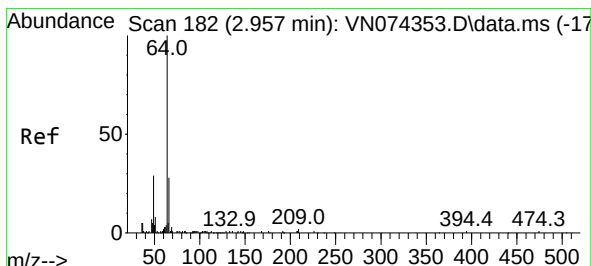
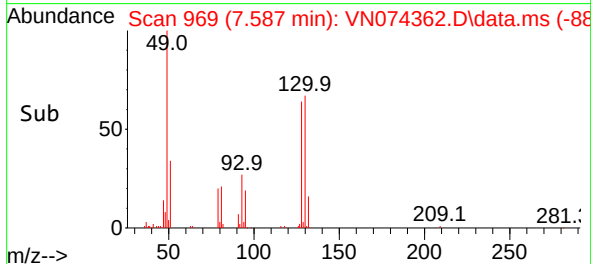
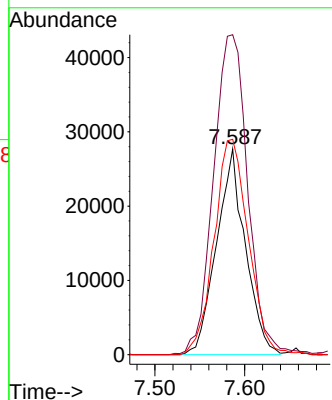
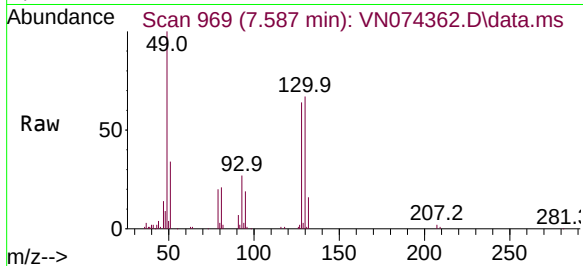




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

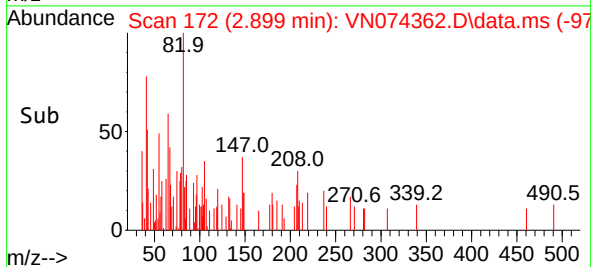
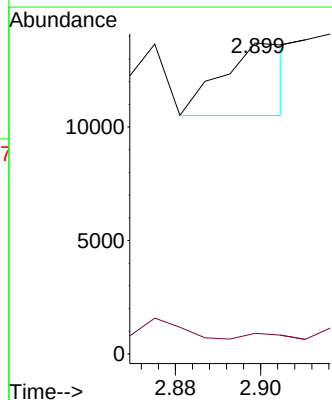
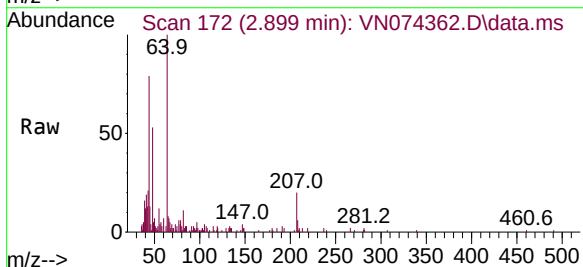
Instrument :
MSVOA_N
ClientSampleId :
TB

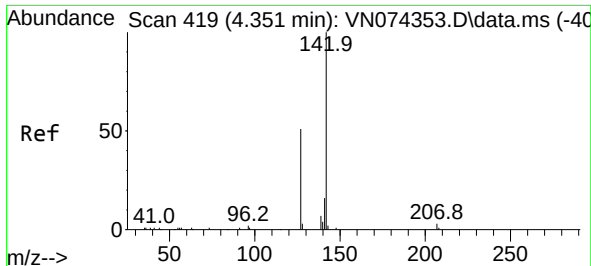
Tgt Ion:128 Resp: 61826
Ion Ratio Lower Upper
128 100
49 184.9 0.0 392.3
130 124.0 0.0 320.2



#6
Chloroethane
Concen: 0.777 ug/l
RT: 2.899 min Scan# 172
Delta R.T. -0.058 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion: 64 Resp: 3396
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

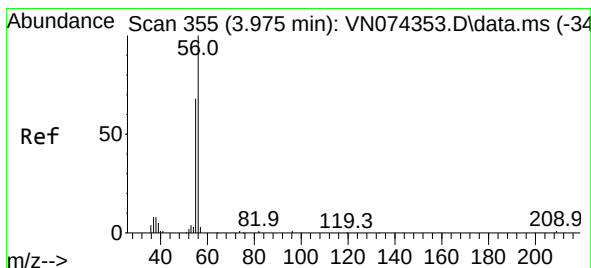
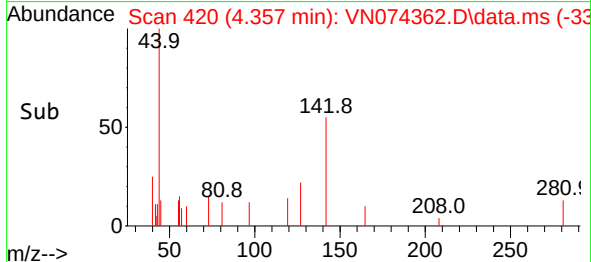
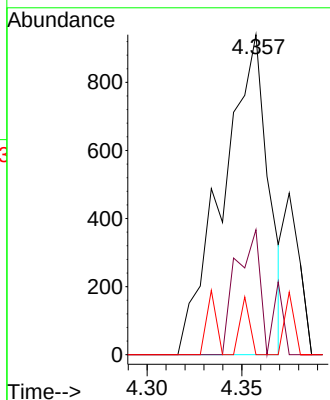
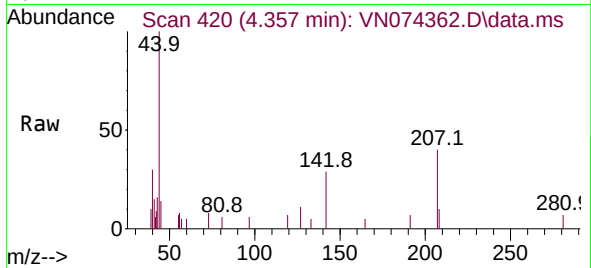




#11
Methyl Iodide
Concen: 0.313 ug/l
RT: 4.357 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

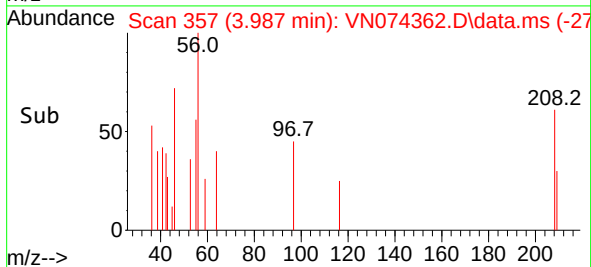
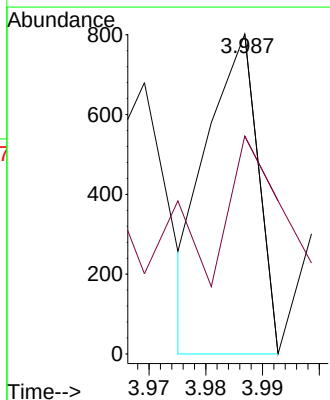
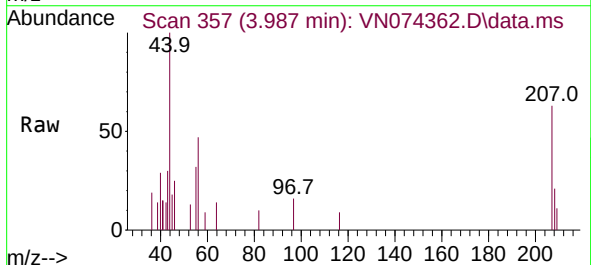
Instrument :
MSVOA_N
ClientSampleId :
TB

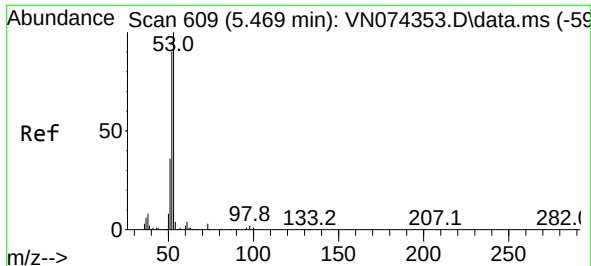
Tgt Ion:142 Resp: 1585
Ion Ratio Lower Upper
142 100
127 33.4 24.0 72.0
141 0.0 8.4 25.2#



#13
Acrolein
Concen: 0.404 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.012 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 83.8 57.6 86.4

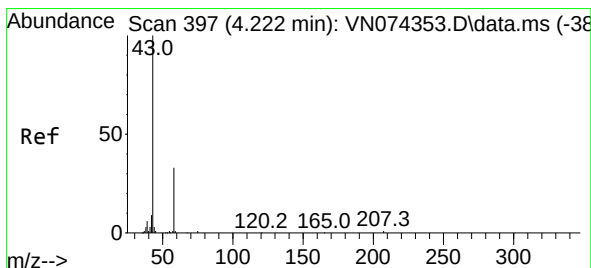
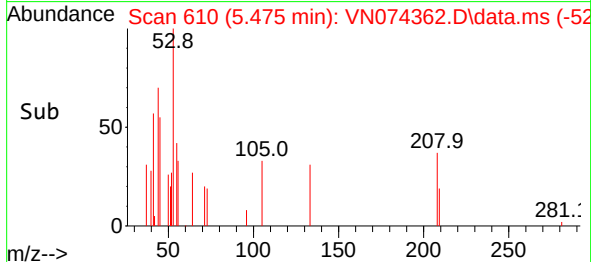
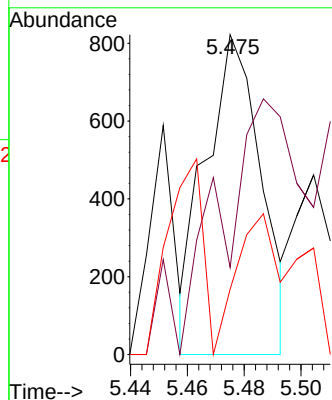
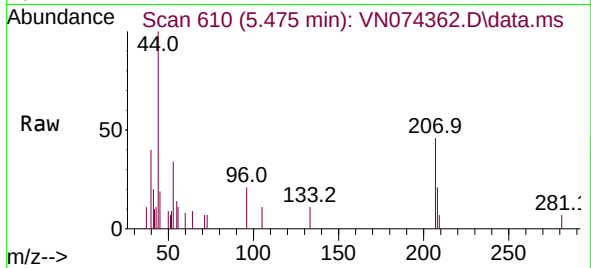




#14
Acrylonitrile
Concen: 0.324 ug/l
RT: 5.475 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

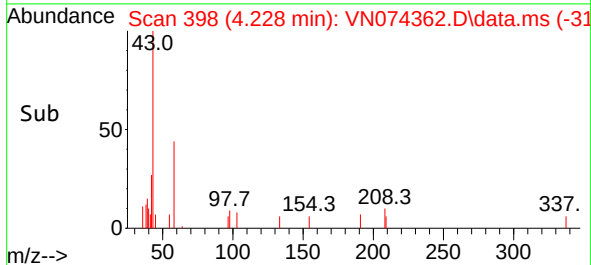
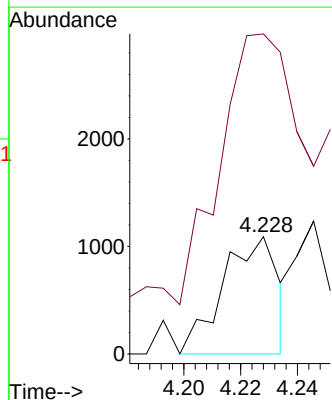
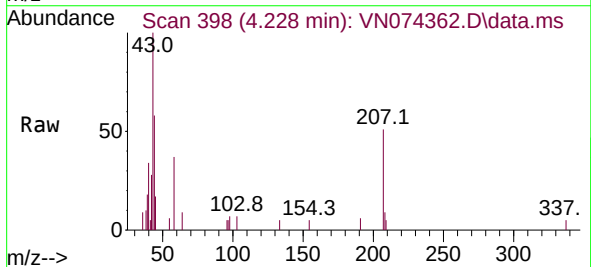
Instrument :
MSVOA_N
ClientSampleId :
TB

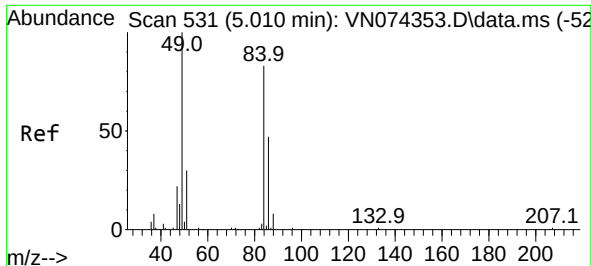
Tgt Ion: 53 Resp: 1124
Ion Ratio Lower Upper
53 100
52 30.5 41.8 125.4#
51 37.9 19.0 57.0



#15
Acetone
Concen: 1.605 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

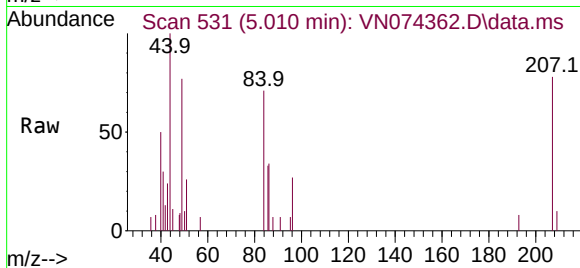
Tgt Ion: 58 Resp: 1476
Ion Ratio Lower Upper
58 100
43 230.8 256.6 384.8#



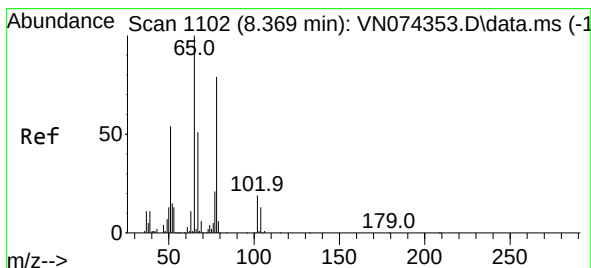
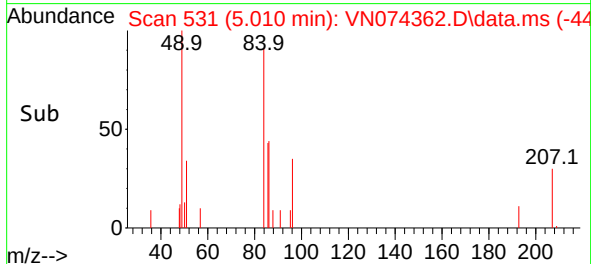
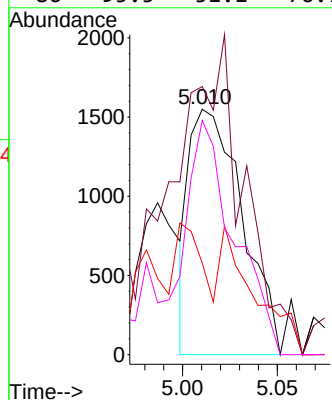


#18
Methylene Chloride
Concen: 0.577 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Instrument :
MSVOA_N
ClientSampleId :
TB

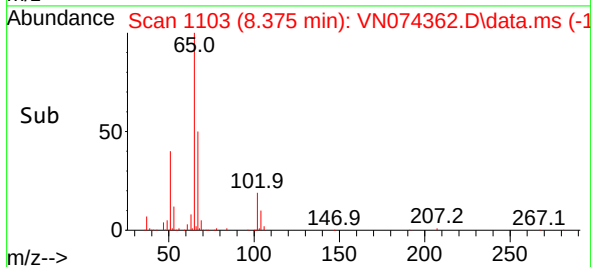
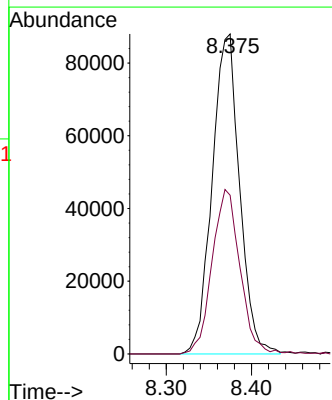
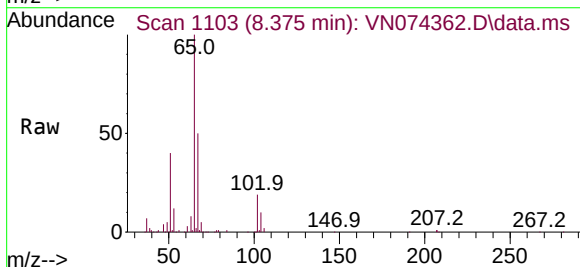


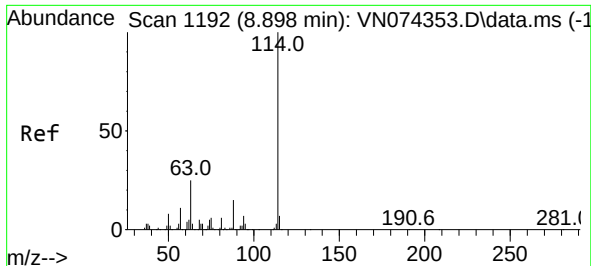
Tgt Ion:	84	Resp:	3025
Ion	Ratio	Lower	Upper
84	100		
49	88.7	91.4	137.0#
51	21.8	29.4	44.0#
86	95.5	51.1	76.7#



#27
1,2-Dichloroethane-d4
Concen: 30.988 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion:	65	Resp:	196702
Ion	Ratio	Lower	Upper
65	100		
67	51.7	40.2	60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN074362.D

Acq: 08 Sep 2022 17:03

Instrument :

MSVOA_N

ClientSampleId :

TB

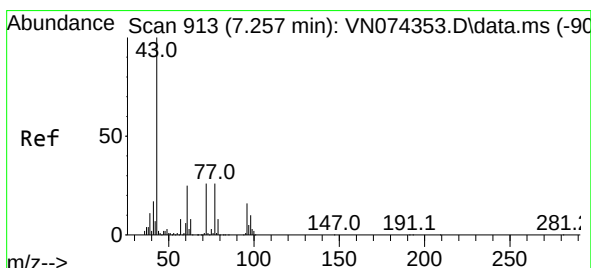
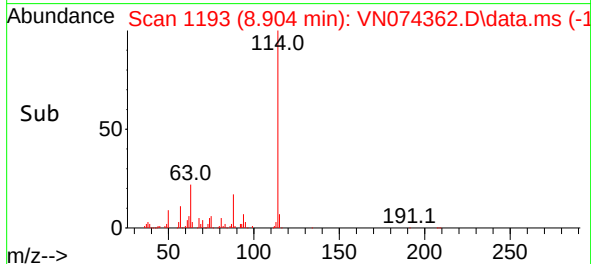
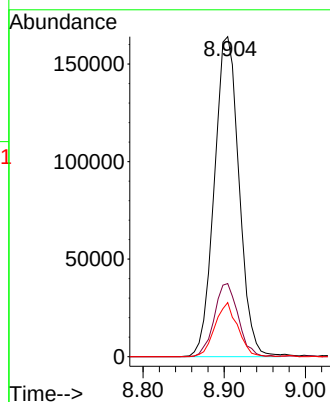
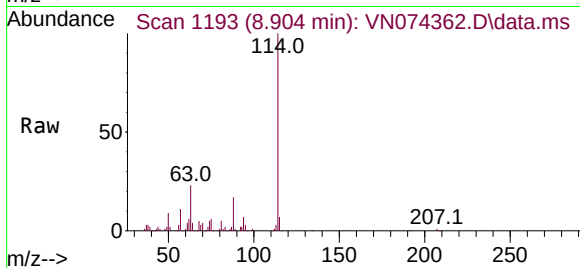
Tgt Ion:114 Resp: 347536

Ion Ratio Lower Upper

114 100

63 22.1 15.8 23.6

88 15.5 11.6 17.4



#30

2-Butanone

Concen: 0.410 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN074362.D

Acq: 08 Sep 2022 17:03

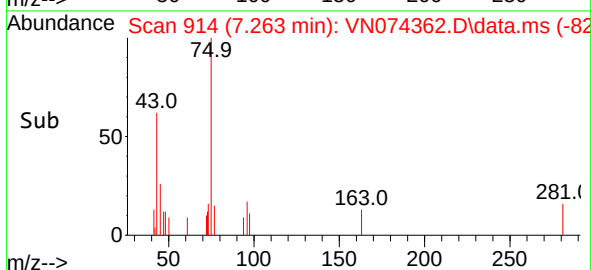
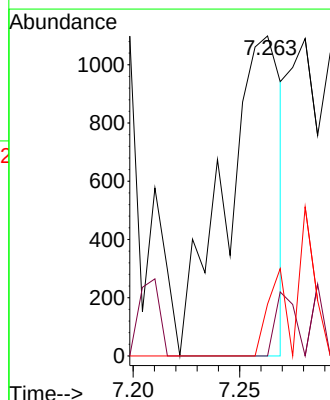
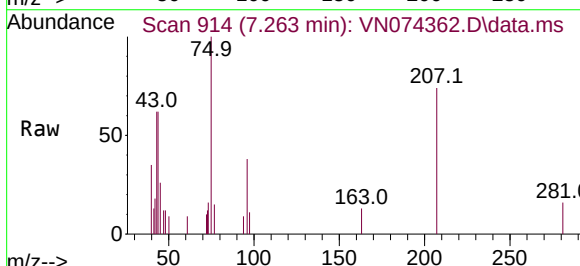
Tgt Ion: 43 Resp: 2005

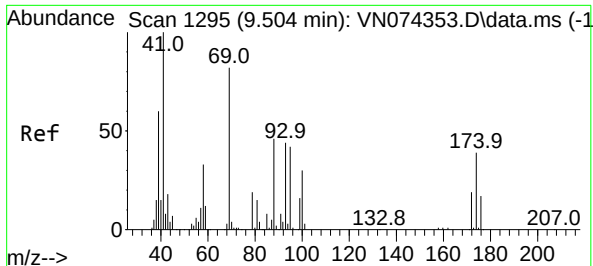
Ion Ratio Lower Upper

43 100

57 7.0 6.7 10.1

72 8.4 23.2 34.8#





#45

1,4-Dioxane

Concen: 0.392 ug/l

RT: 9.510 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074362.D

Acq: 08 Sep 2022 17:03

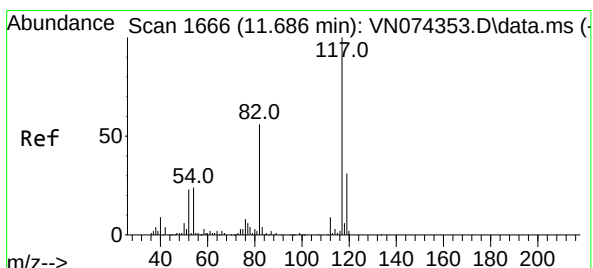
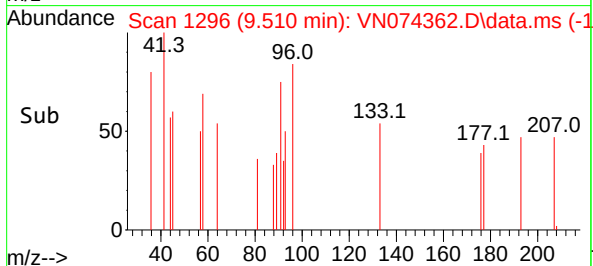
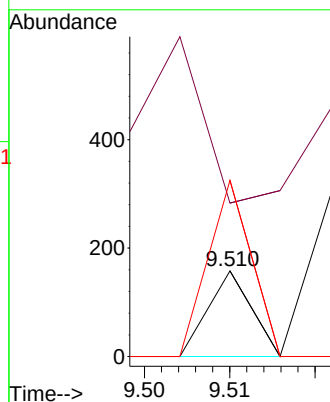
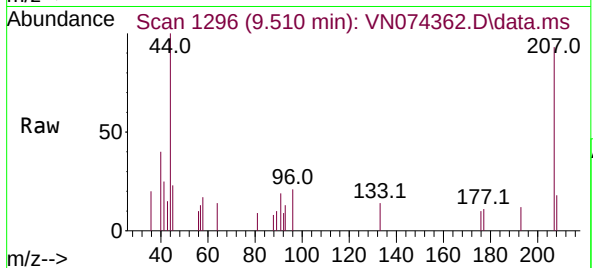
Instrument :

MSVOA_N

ClientSampleId :

TB

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88	100
43	633.9 25.0 37.6#
58	0.0 49.4 74.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

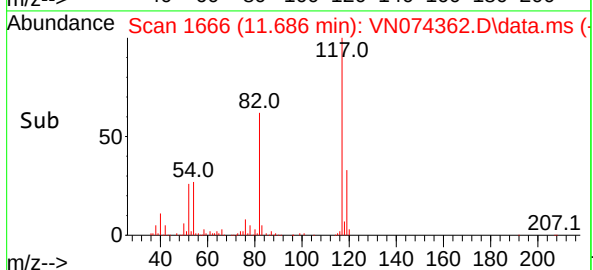
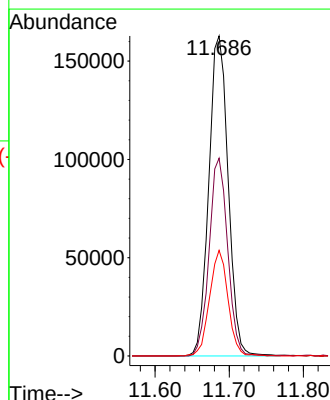
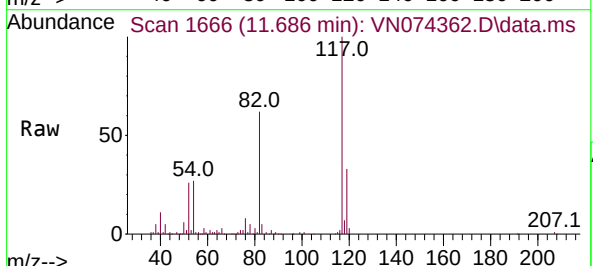
RT: 11.686 min Scan# 1666

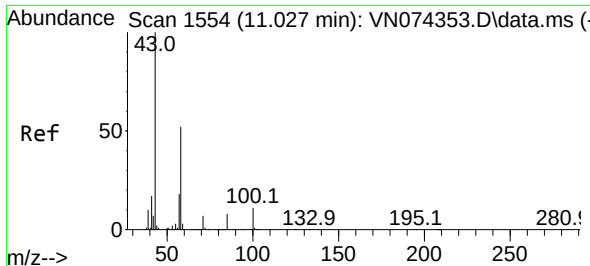
Delta R.T. 0.000 min

Lab File: VN074362.D

Acq: 08 Sep 2022 17:03

Tgt Ion: 117	Resp: 295583
Ion Ratio	Lower Upper
117	100
82	59.1 43.6 65.4
119	31.2 25.8 38.6

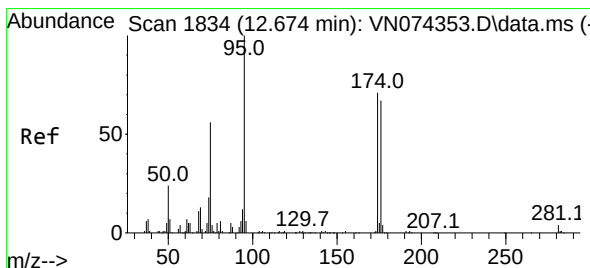
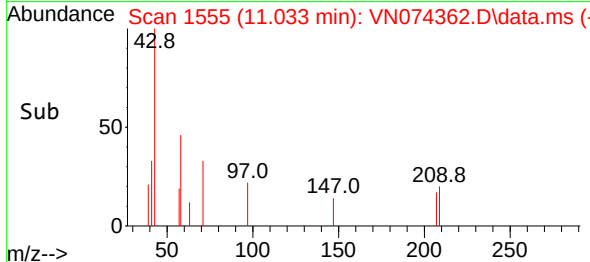
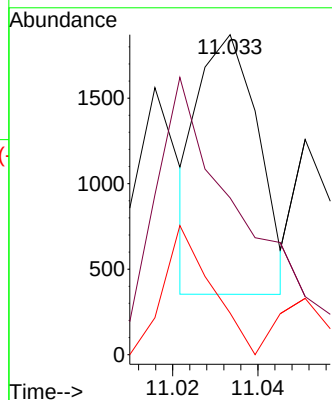
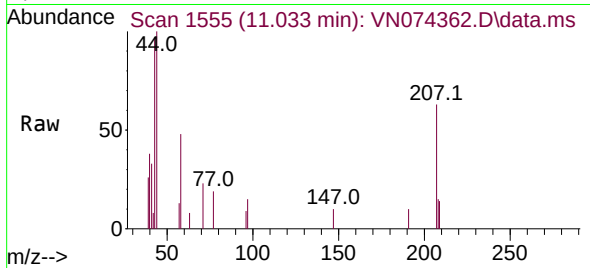




#59
2-Hexanone
Concen: 0.206 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

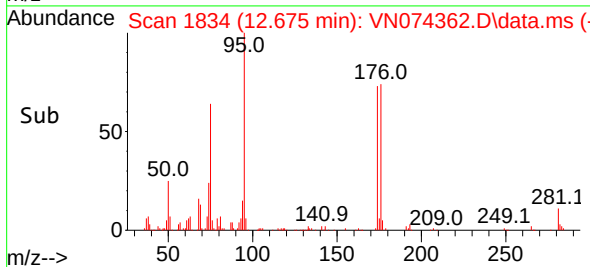
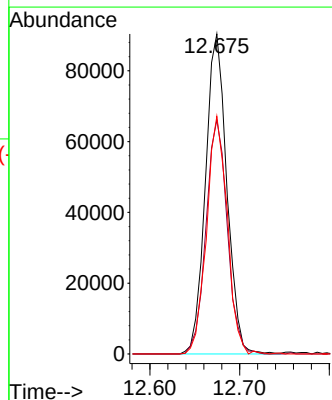
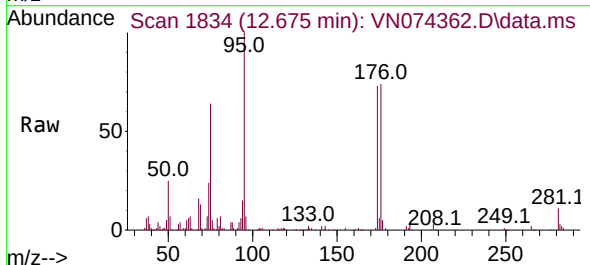
Instrument :
MSVOA_N
ClientSampleId :
TB

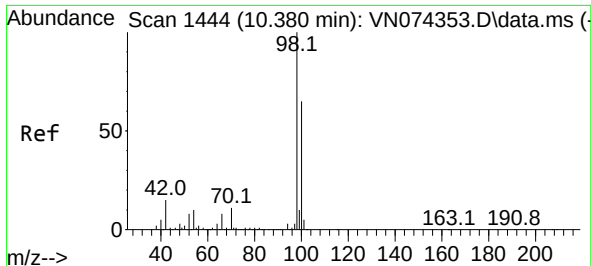
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 0.0 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.278 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion: 95 Resp: 149421
Ion Ratio Lower Upper
95 100
174 72.8 62.9 94.3
176 71.5 61.0 91.4

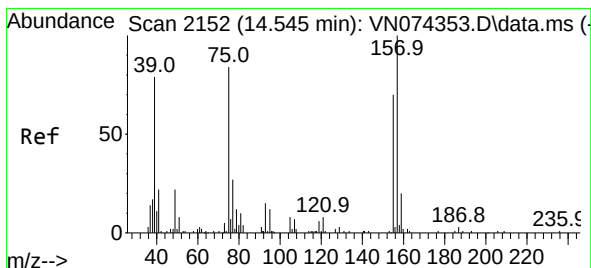
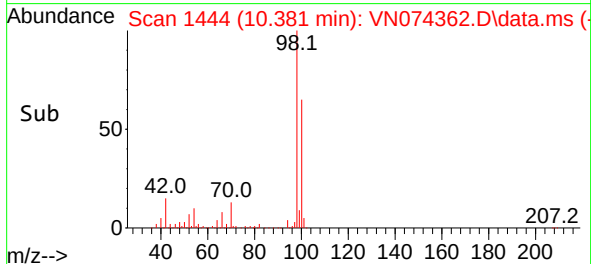
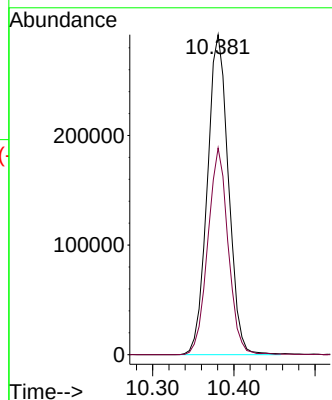
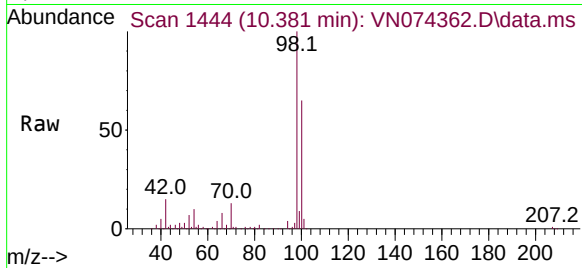




#63
Toluene-d8
Concen: 31.727 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

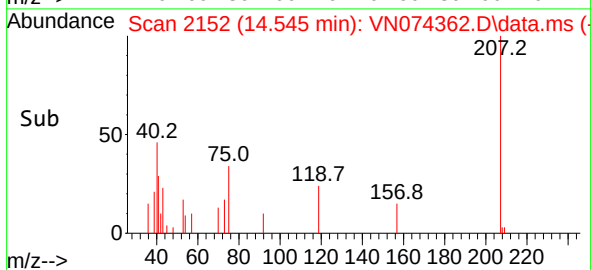
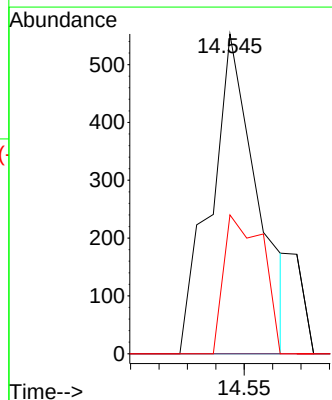
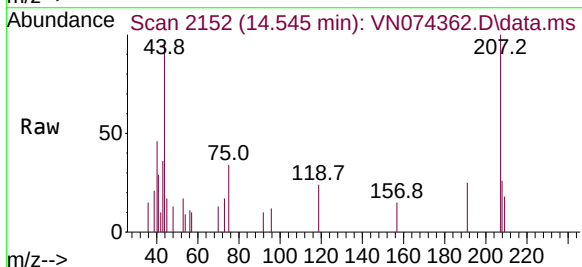
Instrument :
MSVOA_N
ClientSampleId :
TB

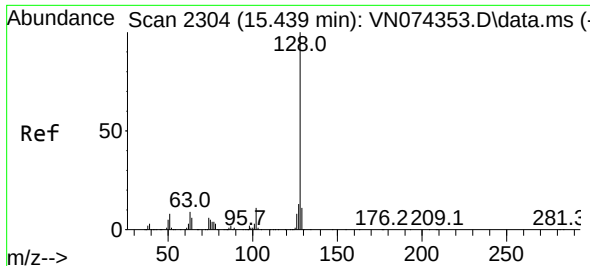
Tgt Ion: 98 Resp: 526750
Ion Ratio Lower Upper
98 100
100 62.1 50.6 76.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.308 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion: 75 Resp: 629
Ion Ratio Lower Upper
75 100
155 0.0 63.8 95.8#
157 36.2 77.9 116.9#

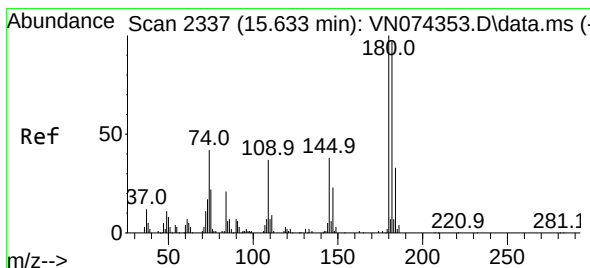
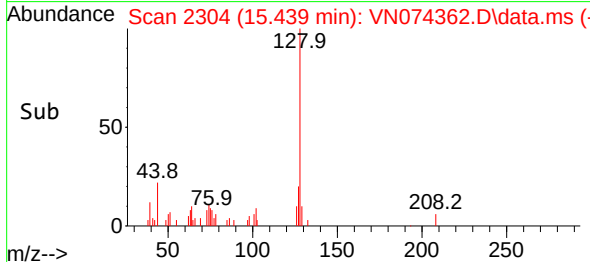
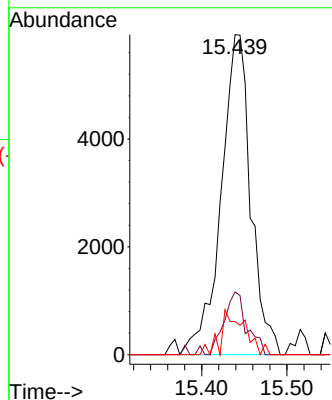
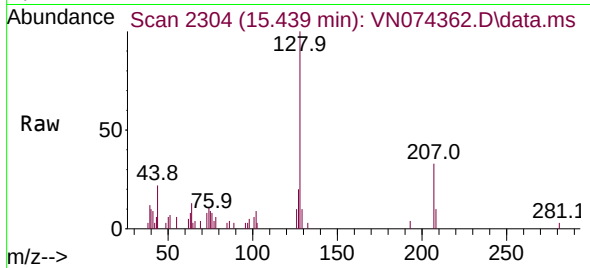




#91
Naphthalene
Concen: 0.678 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:128 Resp: 14324
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 6.4 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.400 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VN074362.D
Acq: 08 Sep 2022 17:03

Tgt Ion:180 Resp: 2137
Ion Ratio Lower Upper
180 100
182 74.4 0.0 190.0
145 31.1 0.0 67.8

