

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074365.D
 Acq On : 08 Sep 2022 18:16
 Operator : JC\MD
 Sample : N4437-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 09 05:38:39 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)

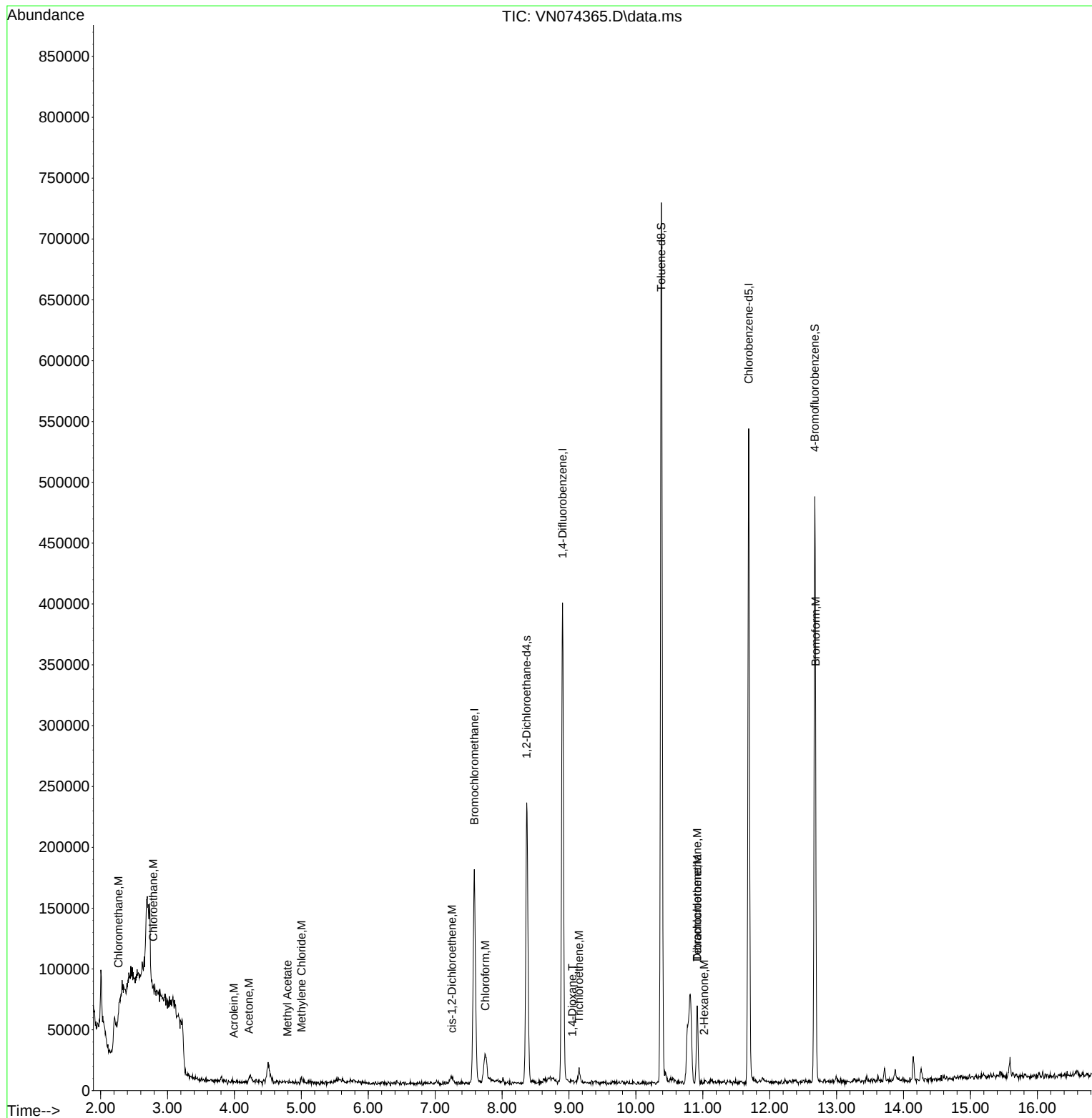
Internal Standards						
1) Bromochloromethane	7.586	128	51920	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	318424	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	269094	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	177183	33.238	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.800%#
60) 4-Bromofluorobenzene	12.674	95	141117	26.224	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.400%
63) Toluene-d8	10.380	98	475407	31.453	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	3675	0.726	ug/l	96
6) Chloroethane	2.787	64	2972	0.809	ug/l	96
12) Methyl Acetate	4.792	43	2666	0.355	ug/l #	49
13) Acrolein	3.992	56	252	0.248	ug/l	97
15) Acetone	4.216	58	1222	1.582	ug/l #	32
18) Methylene Chloride	5.004	84	1811	0.411	ug/l #	79
22) cis-1,2-Dichloroethene	7.251	96	1632	0.339	ug/l #	33
25) Chloroform	7.751	83	12283	1.496	ug/l	89
37) Trichloroethene	9.151	130	2458	0.550	ug/l	85
45) 1,4-Dioxane	9.051	88	132	1.009	ug/l #	1
53) Dibromochloromethane	10.916	129	12456	2.348	ug/l #	10
56) Bromoform	12.686	173	853	0.211	ug/l #	1
59) 2-Hexanone	11.021	43	1407	0.216	ug/l #	39
61) Tetrachloroethene	10.916	164	12308	3.687	ug/l #	77

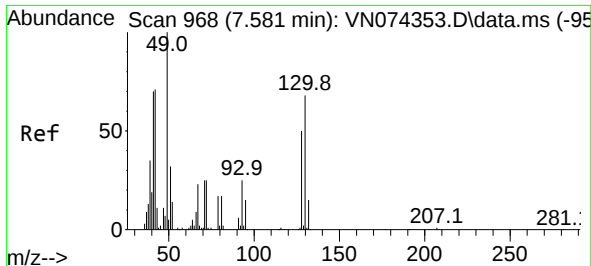
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
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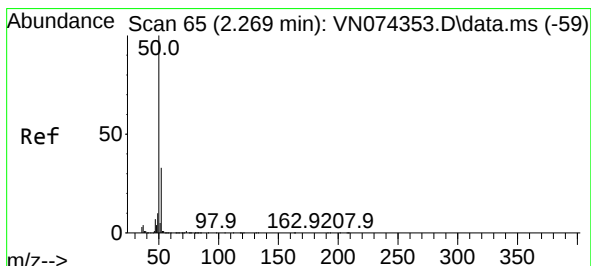
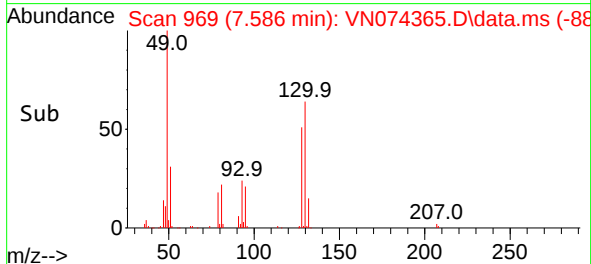
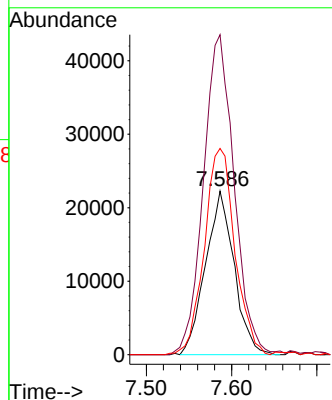
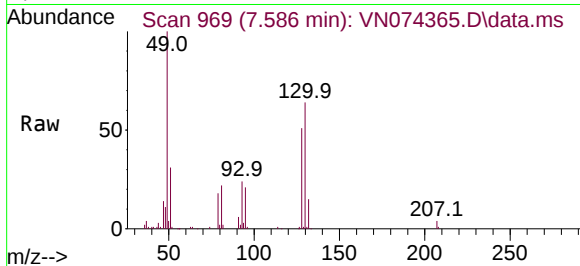




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 968
Delta R.T. 0.005 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

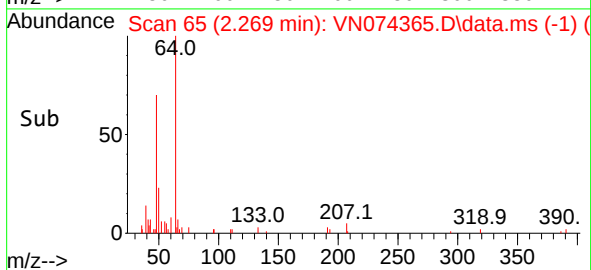
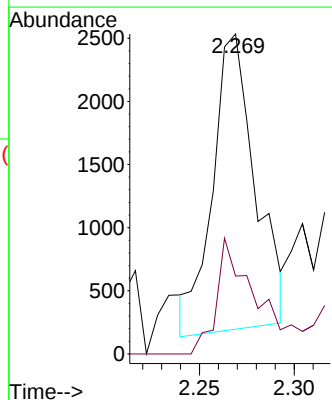
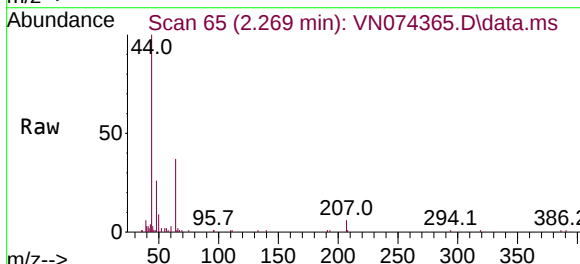
Instrument :
MSVOA_N
ClientSampleId :

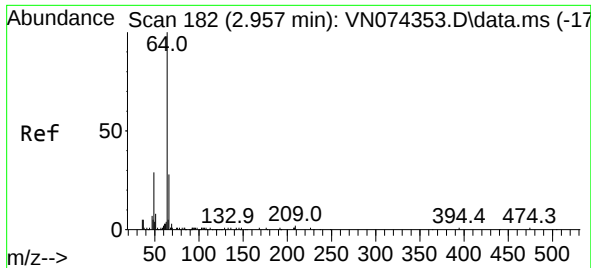
Tgt Ion:128 Resp: 51920
Ion Ratio Lower Upper
128 100
49 209.5 0.0 392.3
130 134.6 0.0 320.2



#3
Chloromethane
Concen: 0.726 ug/l
RT: 2.269 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Tgt Ion: 50 Resp: 3675
Ion Ratio Lower Upper
50 100
52 32.5 27.8 41.6

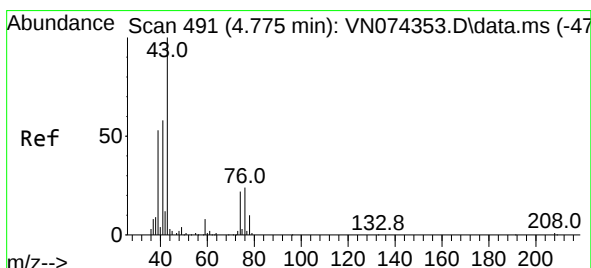
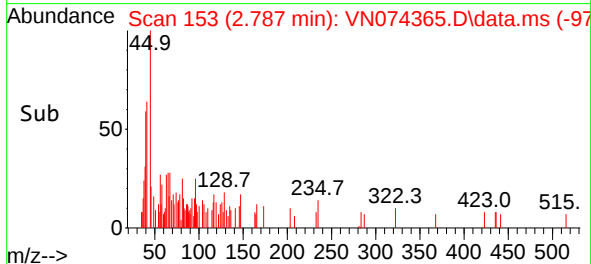
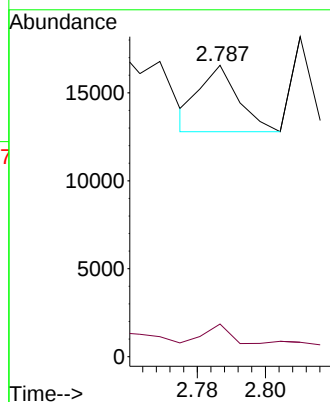
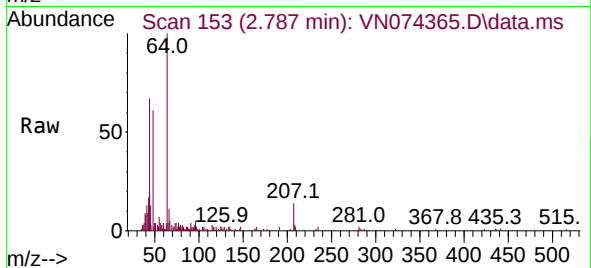




#6
Chloroethane
Concen: 0.809 ug/l
RT: 2.787 min Scan# 11
Delta R.T. -0.170 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

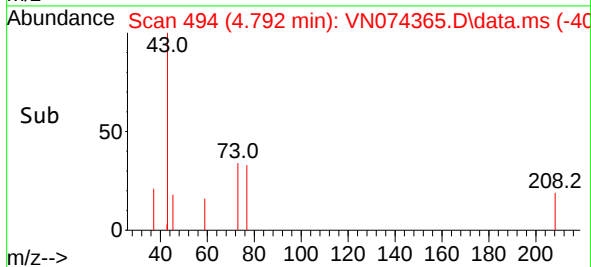
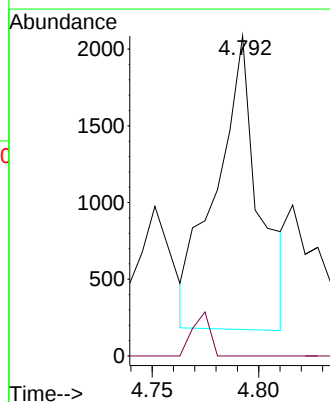
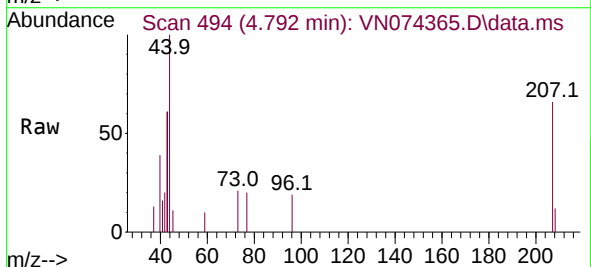
Instrument :
MSVOA_N
ClientSampleId :

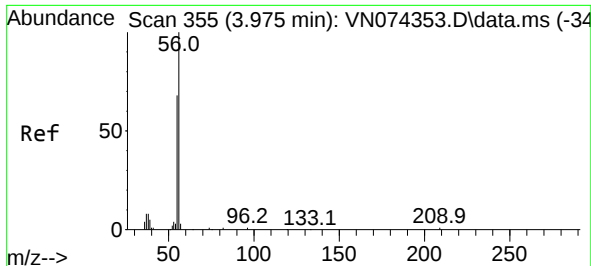
Tgt Ion: 64 Resp: 2972
Ion Ratio Lower Upper
64 100
66 28.6 24.6 36.8



#12
Methyl Acetate
Concen: 0.355 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

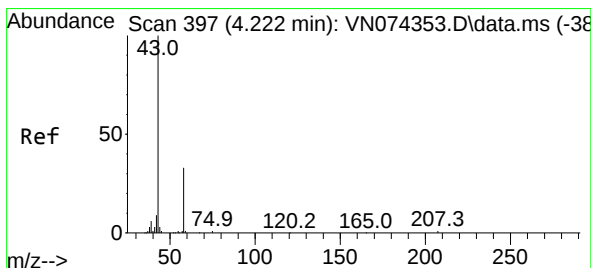
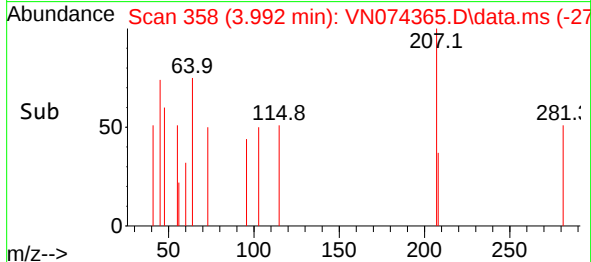
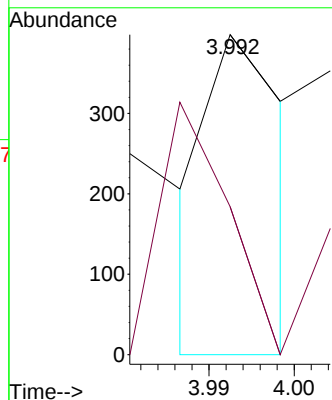
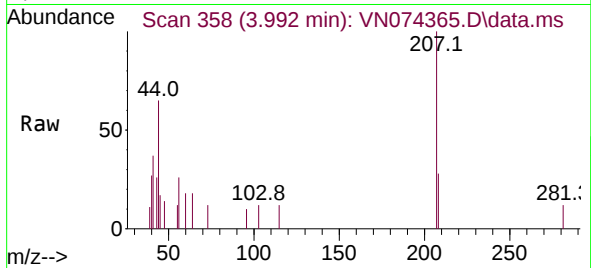




#13
Acrolein
Concen: 0.248 ug/l
RT: 3.992 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

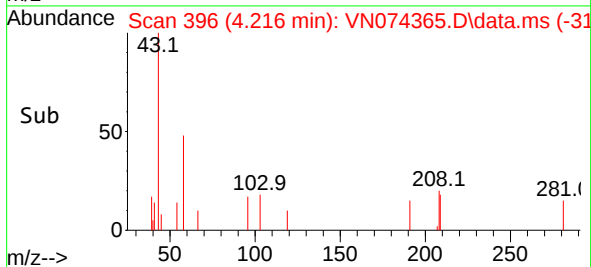
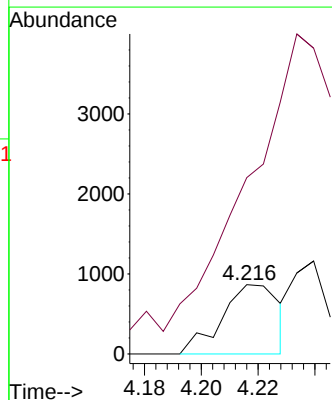
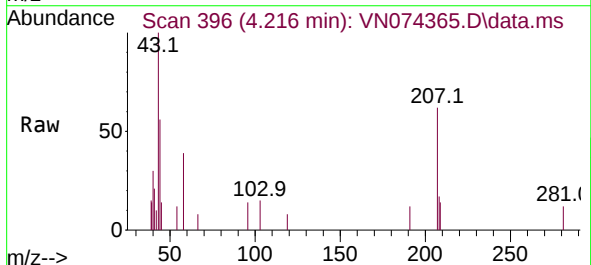
Instrument :
MSVOA_N
ClientSampleId :

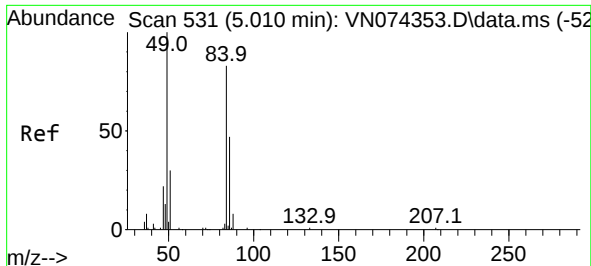
Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 69.8 57.6 86.4



#15
Acetone
Concen: 1.582 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

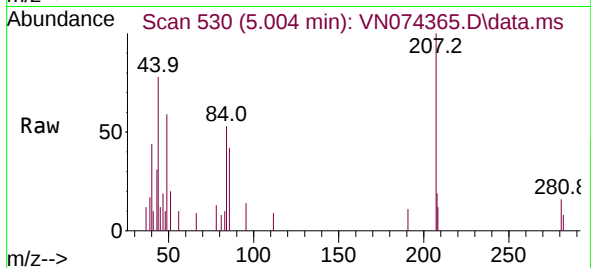
Tgt Ion: 58 Resp: 1222
Ion Ratio Lower Upper
58 100
43 181.9 256.6 384.8#





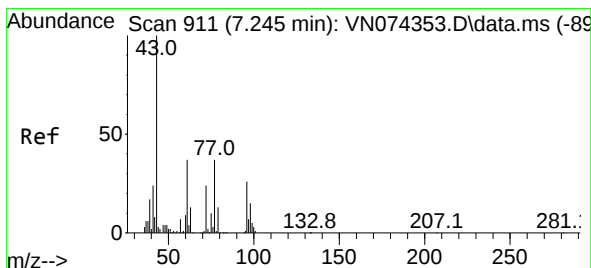
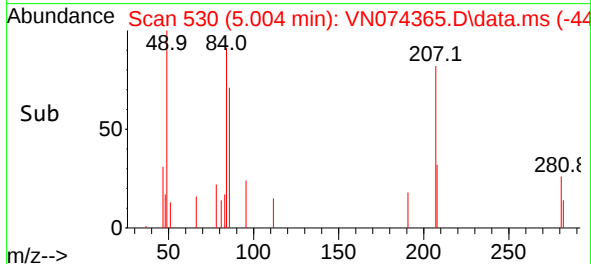
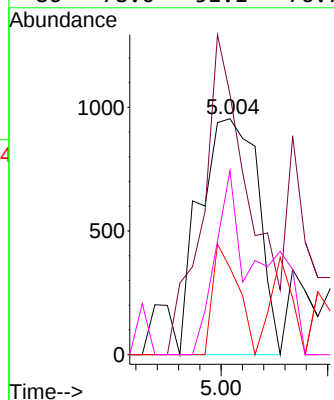
#18
Methylene Chloride
Concen: 0.411 ug/l
RT: 5.004 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1811

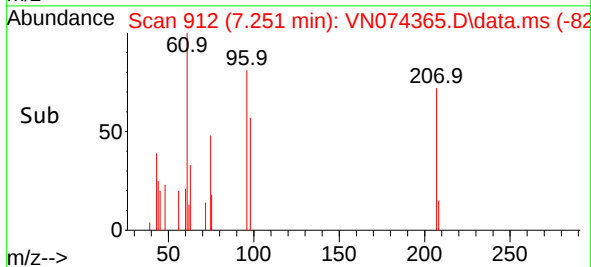
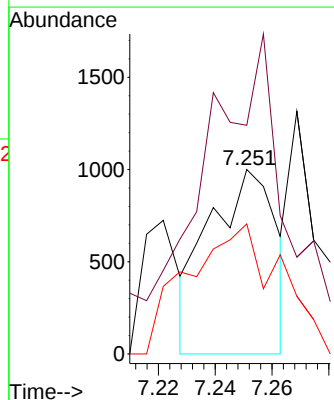
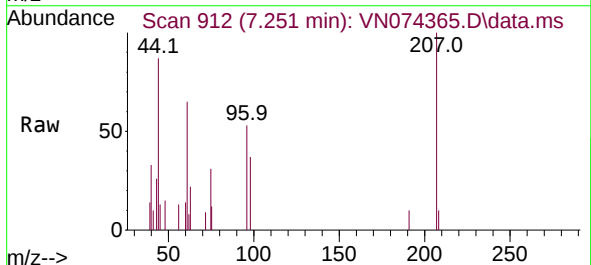
Ion	Ratio	Lower	Upper
84	100		
49	83.0	91.4	137.0#
51	36.8	29.4	44.0
86	78.0	51.1	76.7#

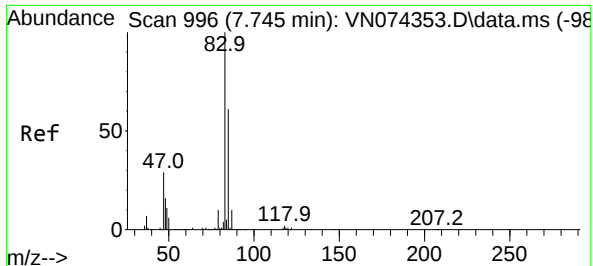


#22
cis-1,2-Dichloroethene
Concen: 0.339 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Tgt Ion: 96 Resp: 1632

Ion	Ratio	Lower	Upper
96	100		
61	35.7	115.7	173.5#
98	48.6	51.6	77.4#





#25

Chloroform

Concen: 1.496 ug/l

RT: 7.751 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN074365.D

Acq: 08 Sep 2022 18:16

Instrument :

MSVOA_N

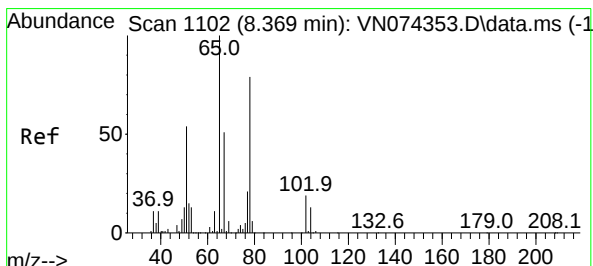
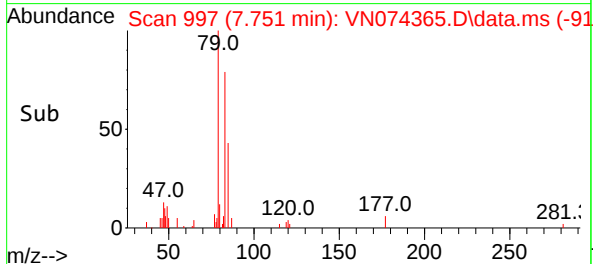
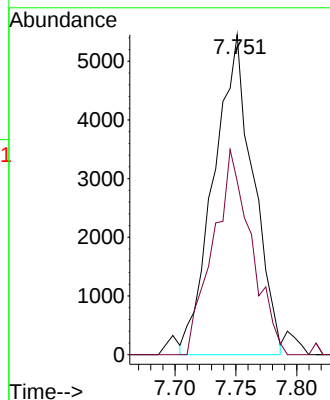
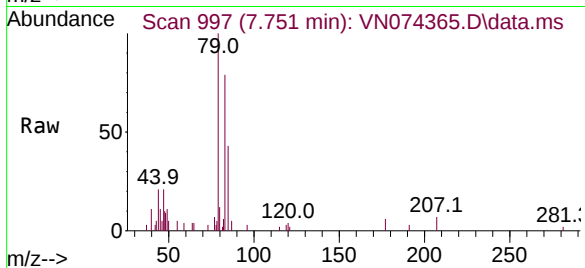
ClientSampleId :

Tgt Ion: 83 Resp: 12283

Ion Ratio Lower Upper

83 100

85 55.9 51.3 76.9



#27

1,2-Dichloroethane-d4

Concen: 33.238 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074365.D

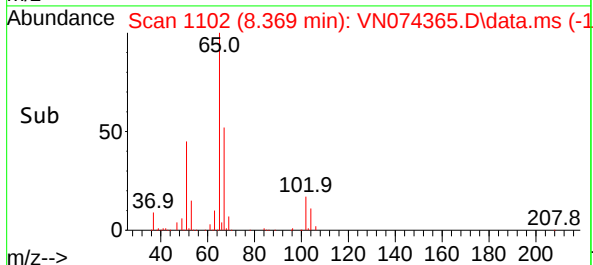
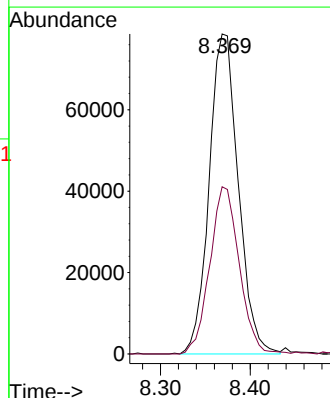
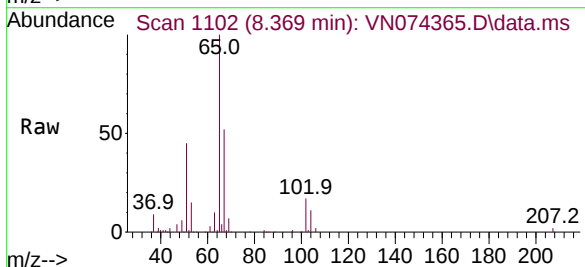
Acq: 08 Sep 2022 18:16

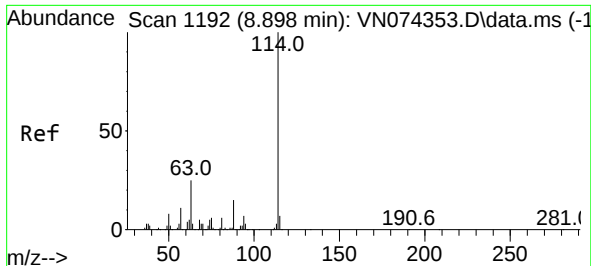
Tgt Ion: 65 Resp: 177183

Ion Ratio Lower Upper

65 100

67 52.8 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: VN074365.D

Acq: 08 Sep 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

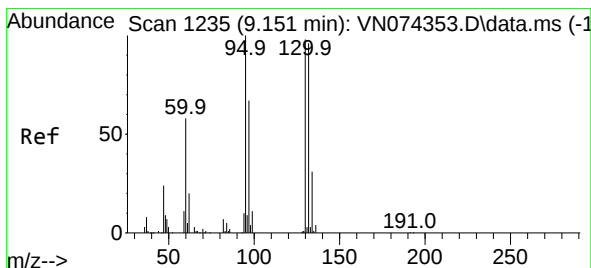
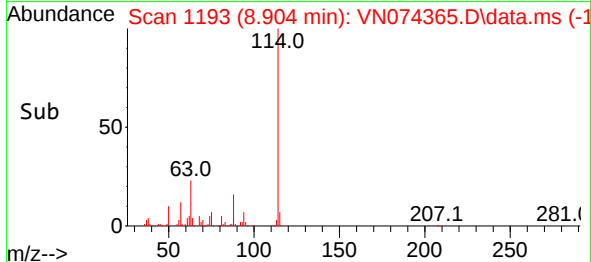
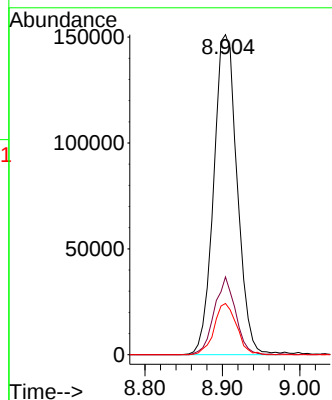
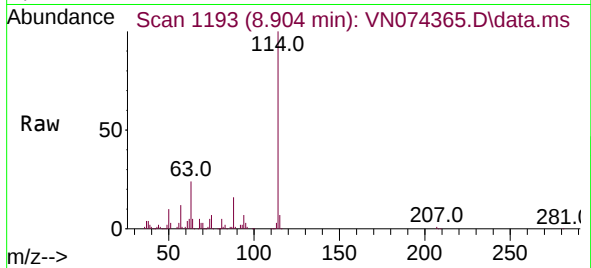
Tgt Ion:114 Resp: 318424

Ion Ratio Lower Upper

114 100

63 21.9 15.8 23.6

88 15.3 11.6 17.4



#37

Trichloroethene

Concen: 0.550 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VN074365.D

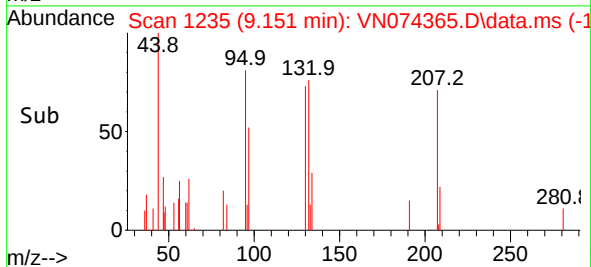
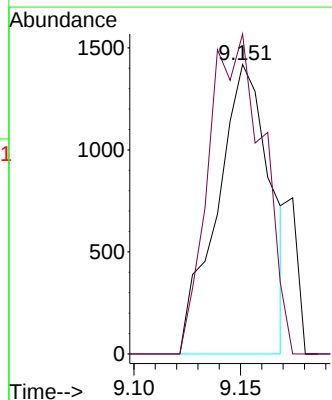
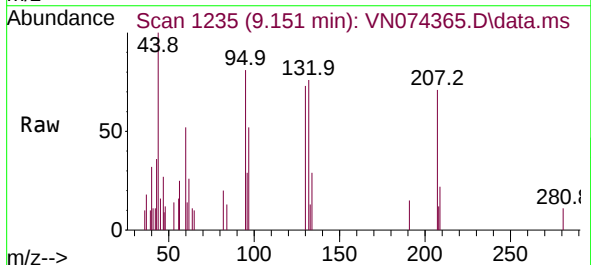
Acq: 08 Sep 2022 18:16

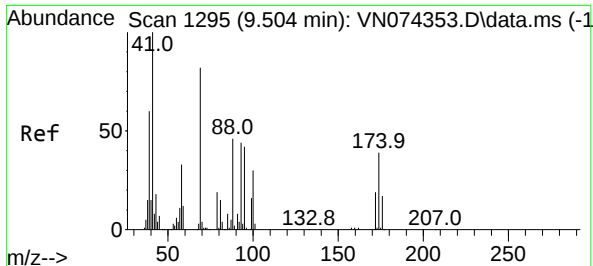
Tgt Ion:130 Resp: 2458

Ion Ratio Lower Upper

130 100

95 110.5 76.6 115.0





#45

1,4-Dioxane

Concen: 1.009 ug/l

RT: 9.051 min Scan# 11

Delta R.T. -0.453 min

Lab File: VN074365.D

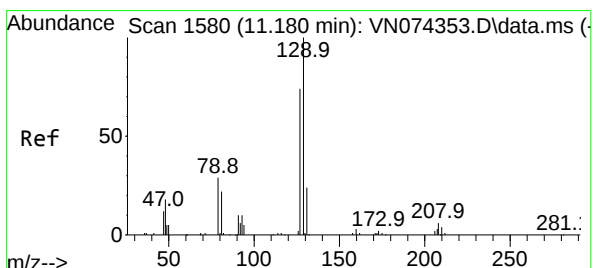
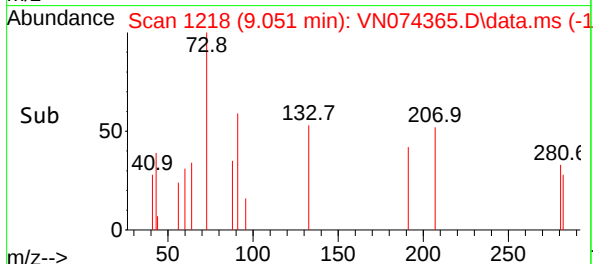
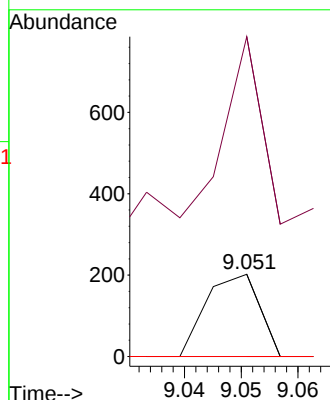
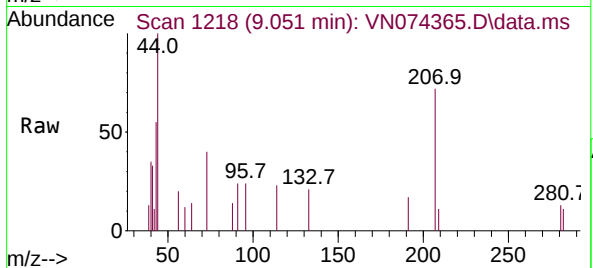
Acq: 08 Sep 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	88	Resp:	132
Ion	Ratio	Lower	Upper
88	100		
43	318.2	25.0	37.6#
58	0.0	49.4	74.2#



#53

Dibromochloromethane

Concen: 2.348 ug/l

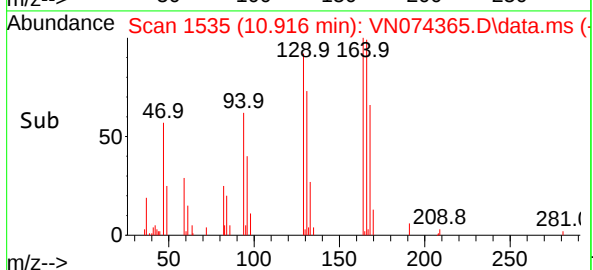
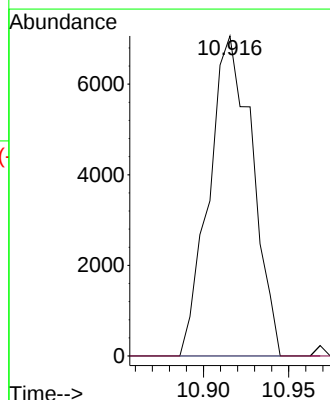
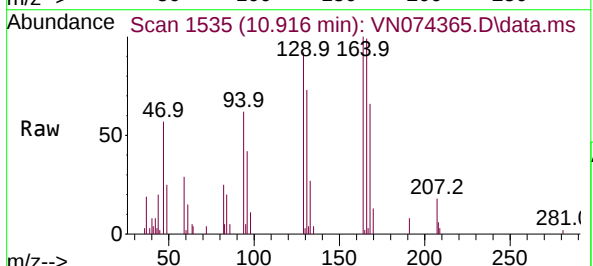
RT: 10.916 min Scan# 1535

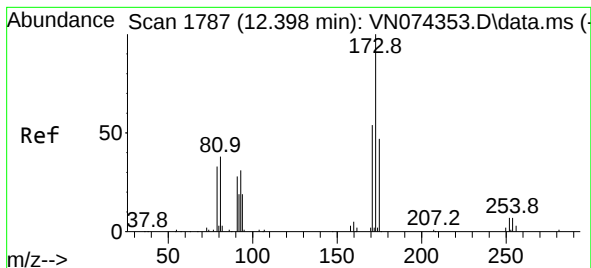
Delta R.T. -0.265 min

Lab File: VN074365.D

Acq: 08 Sep 2022 18:16

Tgt Ion:	129	Resp:	12456
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	117.0#





#56

Bromoform

Concen: 0.211 ug/l

RT: 12.686 min Scan# 11

Delta R.T. 0.288 min

Lab File: VN074365.D

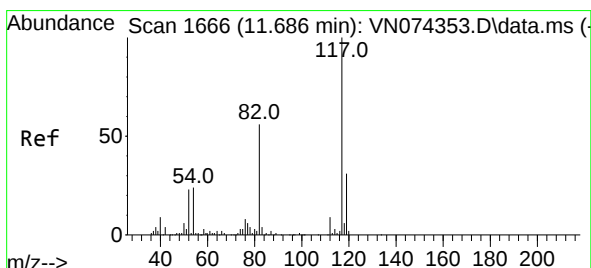
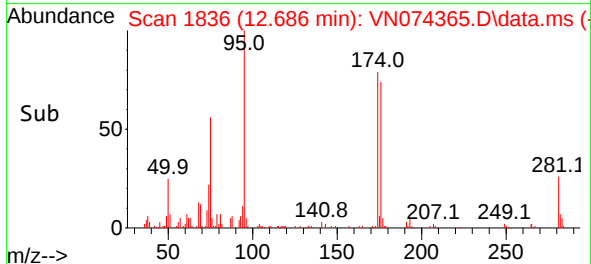
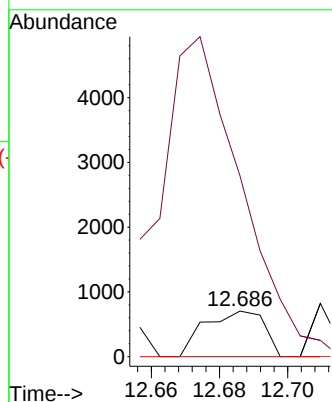
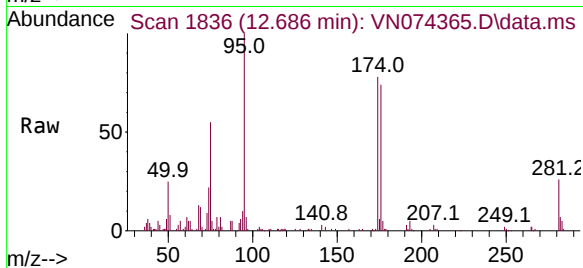
Acq: 08 Sep 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	853
Ion Ratio	Lower	Upper
173	100	
175	995.4	38.6 58.0#
254	0.0	0.0 0.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

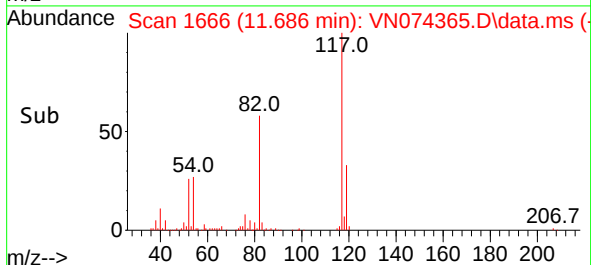
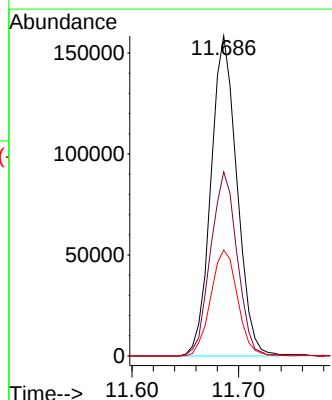
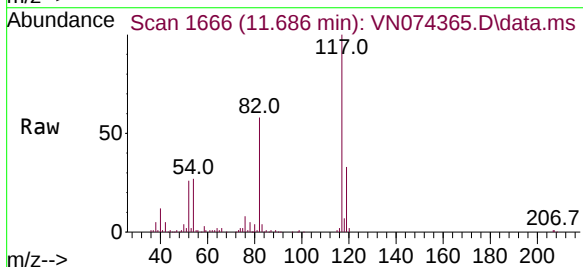
RT: 11.686 min Scan# 1666

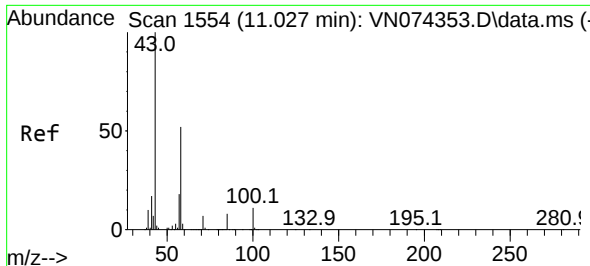
Delta R.T. -0.000 min

Lab File: VN074365.D

Acq: 08 Sep 2022 18:16

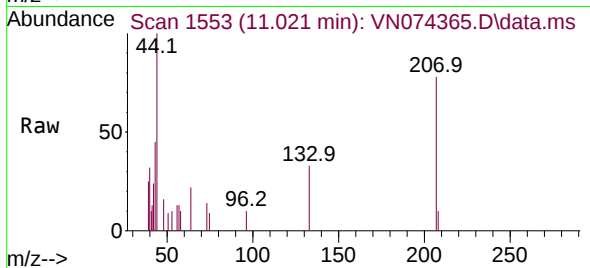
Tgt Ion:117	Resp:	269094
Ion Ratio	Lower	Upper
117	100	
82	58.6	43.6 65.4
119	34.2	25.8 38.6



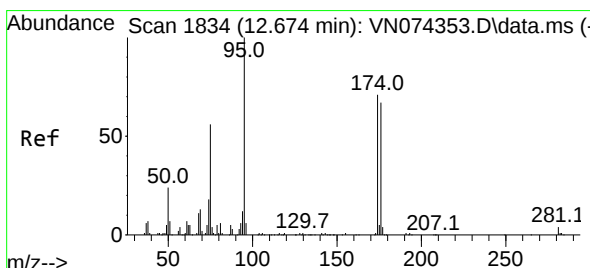
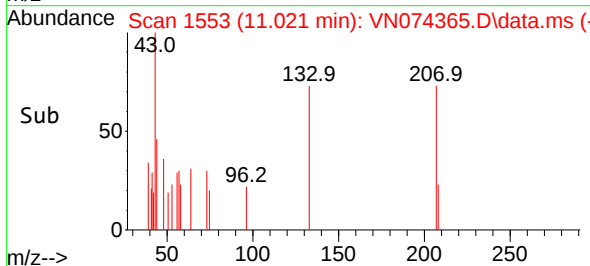
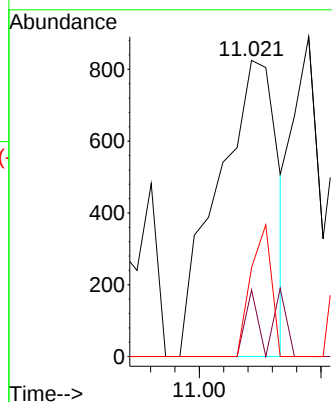


#59
2-Hexanone
Concen: 0.216 ug/l
RT: 11.021 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Instrument :
MSVOA_N
ClientSampleId :

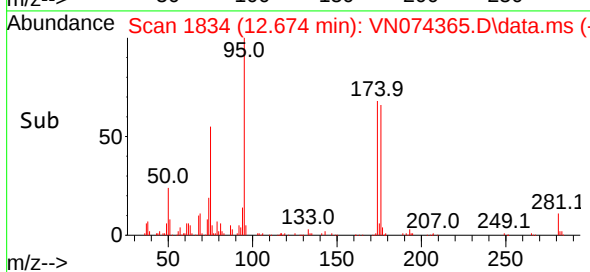
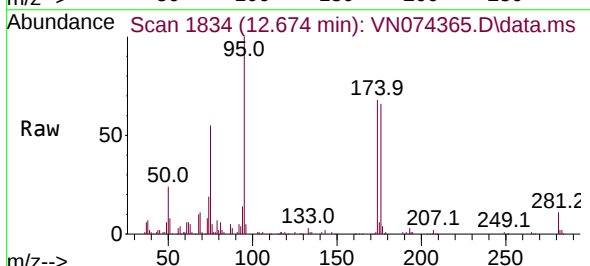
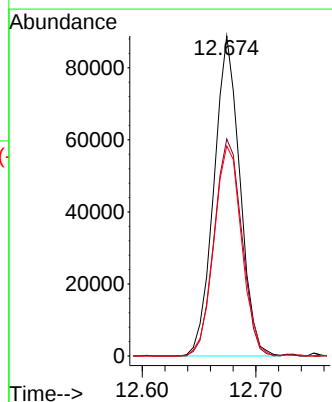


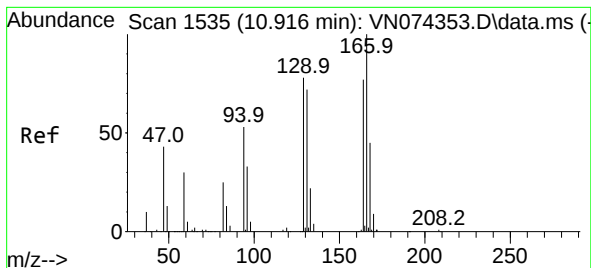
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
58 4.7 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 26.224 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074365.D
Acq: 08 Sep 2022 18:16

Tgt Ion: 95 Resp: 141117
Ion Ratio Lower Upper
95 100
174 72.0 62.9 94.3
176 69.9 61.0 91.4





#61

Tetrachloroethene

Concen: 3.687 ug/l

RT: 10.916 min Scan# 1

Delta R.T. -0.000 min

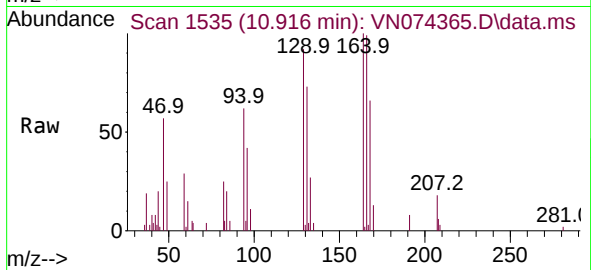
Lab File: VN074365.D

Acq: 08 Sep 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 12308

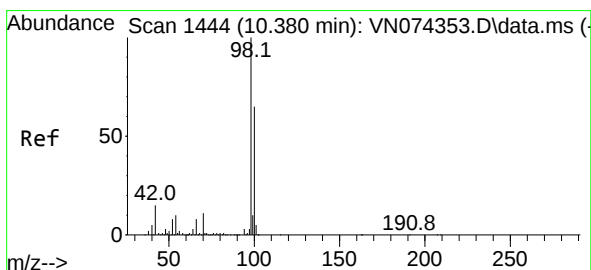
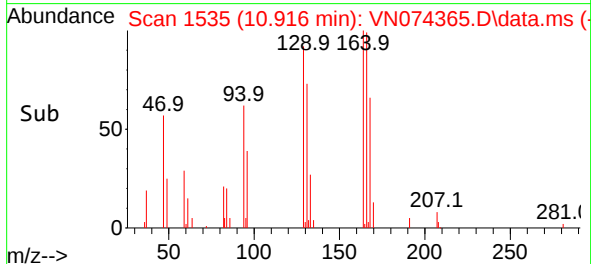
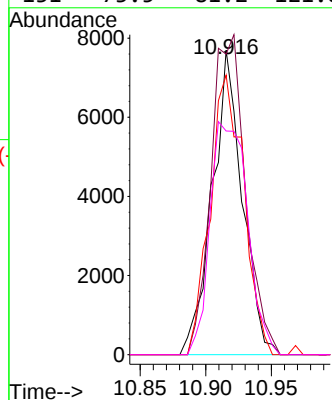
Ion Ratio Lower Upper

164 100

166 98.7 105.8 158.8#

129 91.8 82.5 123.7

131 73.5 81.2 121.8#



#63

Toluene-d8

Concen: 31.453 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN074365.D

Acq: 08 Sep 2022 18:16

Tgt Ion: 98 Resp: 475407

Ion Ratio Lower Upper

98 100

100 63.8 50.6 76.0

