

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074364.D
 Acq On : 08 Sep 2022 17:52
 Operator : JC\MD
 Sample : N4437-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 09 05:38:23 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)

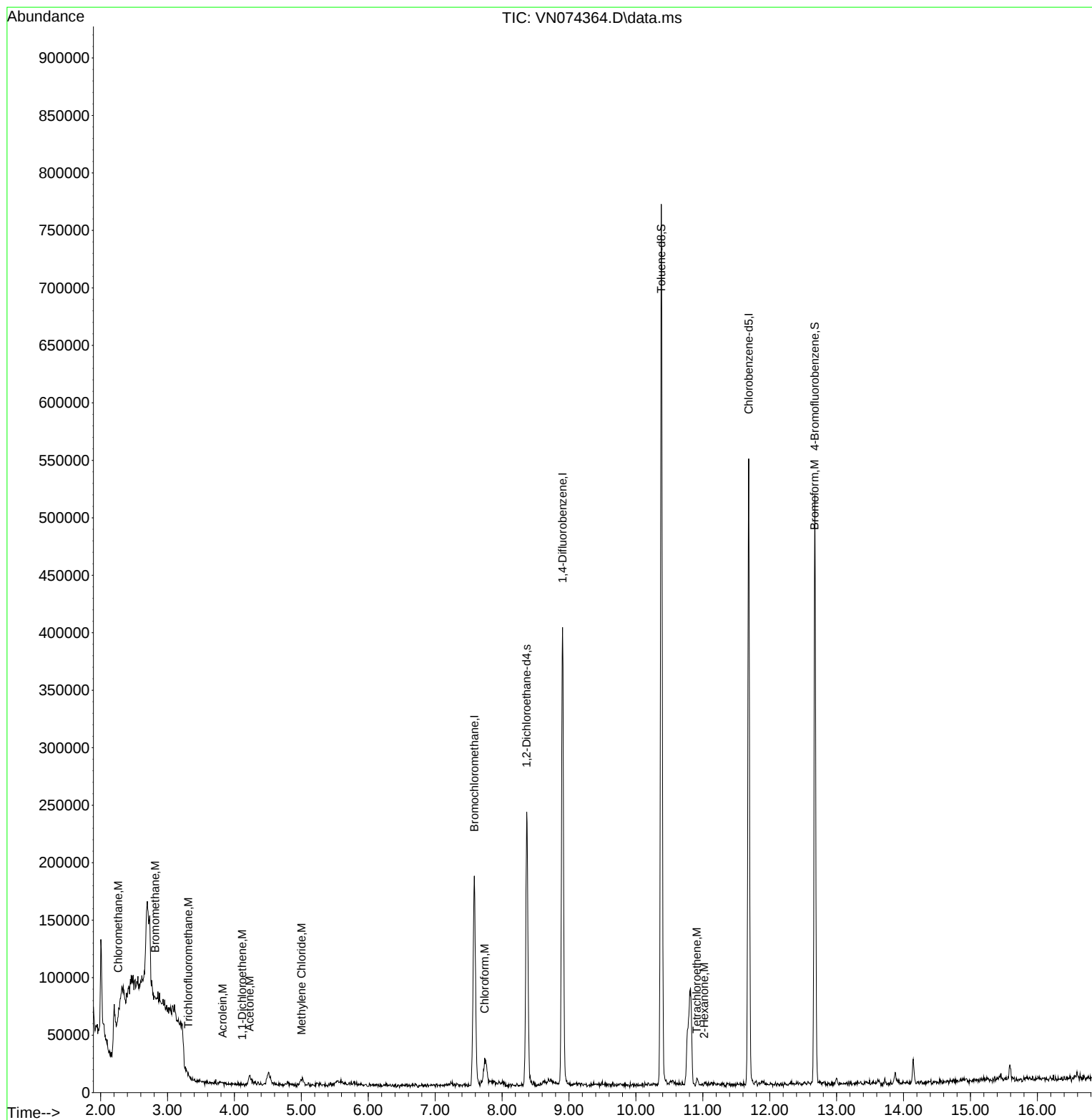
Internal Standards						
1) Bromochloromethane	7.587	128	56363	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	331569	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	281245	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	185175	31.999	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.667%
60) 4-Bromofluorobenzene	12.674	95	142881	25.404	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.667%
63) Toluene-d8	10.380	98	489162	30.965	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.233%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	3199	0.582	ug/l	98
5) Bromomethane	2.816	94	1759	0.485	ug/l	99
7) Trichlorofluoromethane	3.310	101	1990	0.299	ug/l #	33
10) 1,1-Dichloroethene	4.116	96	797	0.212	ug/l #	1
13) Acrolein	3.822	56	221	0.201	ug/l	85
15) Acetone	4.228	58	3281	3.913	ug/l	97
18) Methylene Chloride	5.004	84	2156	0.451	ug/l #	54
25) Chloroform	7.739	83	11513	1.291	ug/l	86
56) Bromoform	12.669	173	1760	0.418	ug/l #	1
59) 2-Hexanone	11.022	43	1891	0.278	ug/l #	45
61) Tetrachloroethene	10.910	164	986	0.283	ug/l #	26

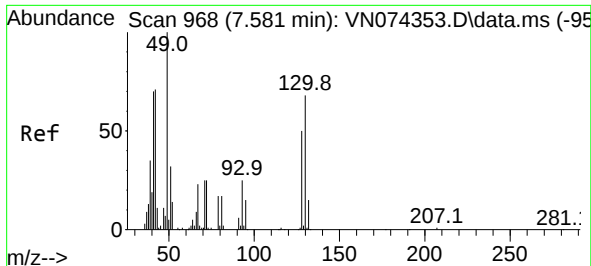
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 09 05:38:23 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

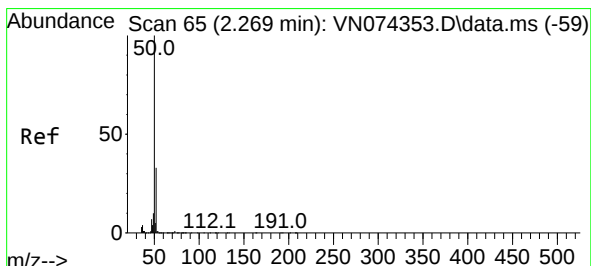
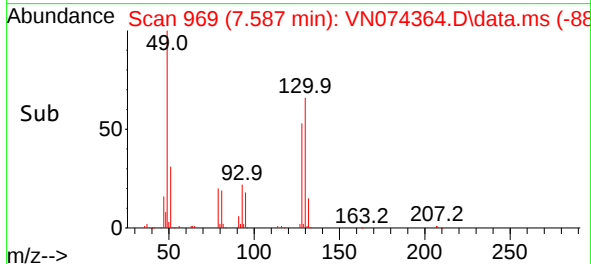
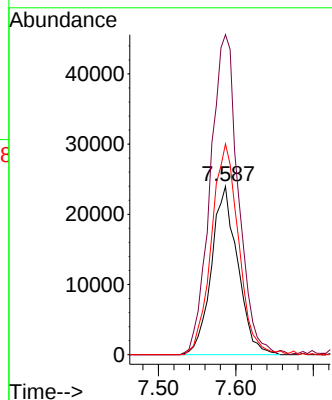
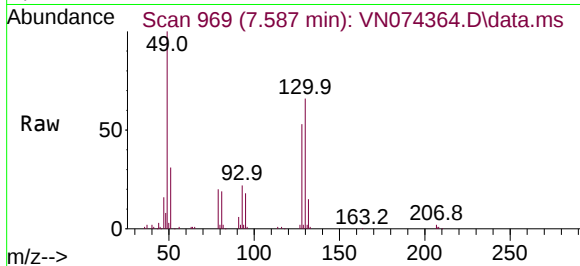




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

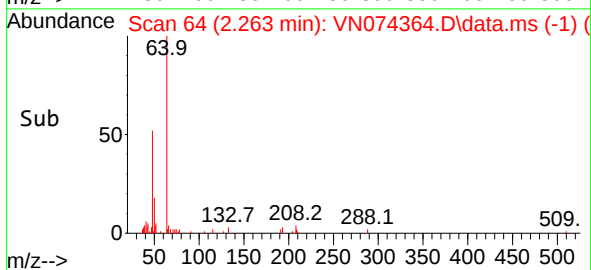
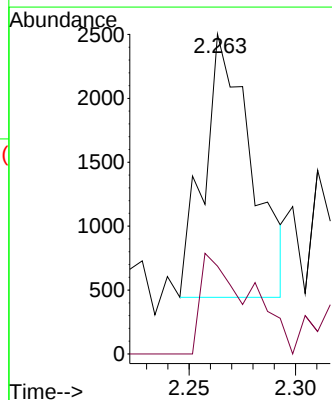
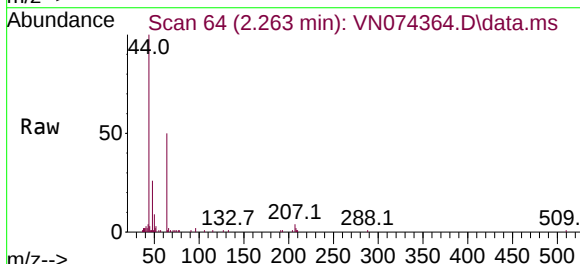
Instrument :
MSVOA_N
ClientSampleId :

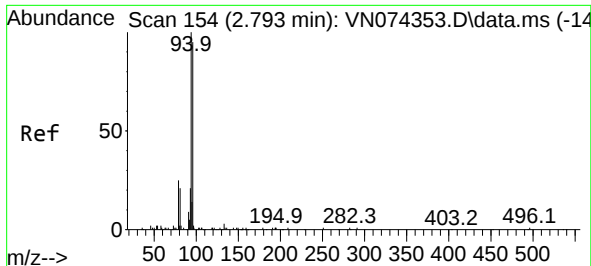
Tgt Ion:128 Resp: 56363
Ion Ratio Lower Upper
128 100
49 203.1 0.0 392.3
130 129.8 0.0 320.2



#3
Chloromethane
Concen: 0.582 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion: 50 Resp: 3199
Ion Ratio Lower Upper
50 100
52 33.3 27.8 41.6

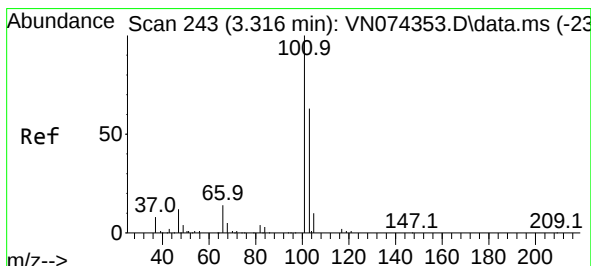
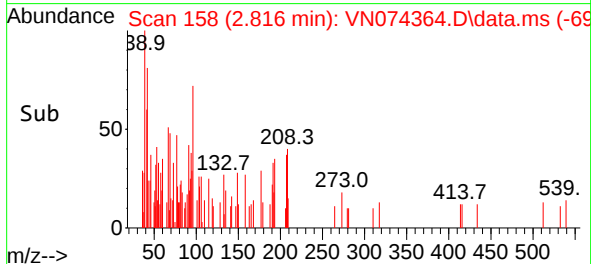
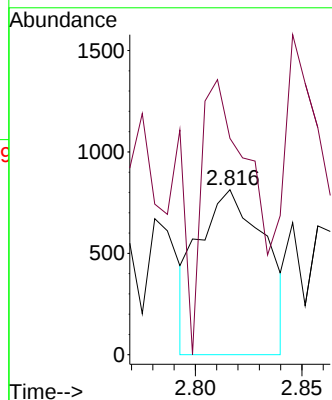
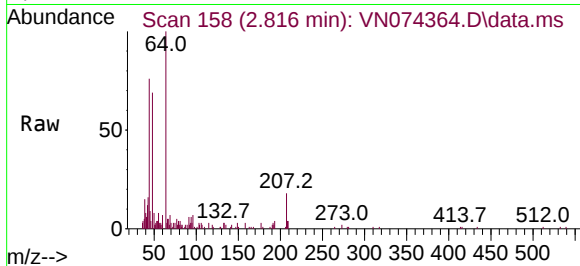




#5
Bromomethane
Concen: 0.485 ug/l
RT: 2.816 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

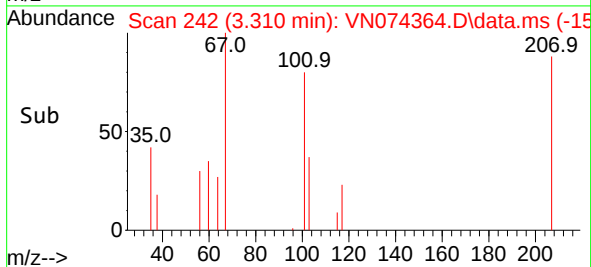
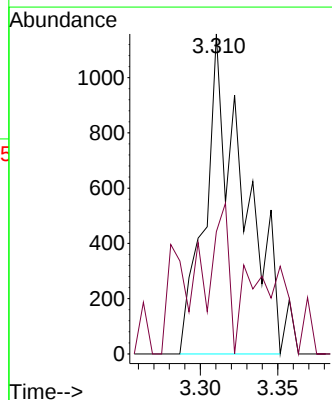
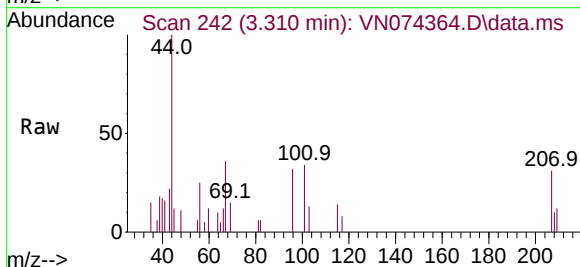
Instrument :
MSVOA_N
ClientSampleId :

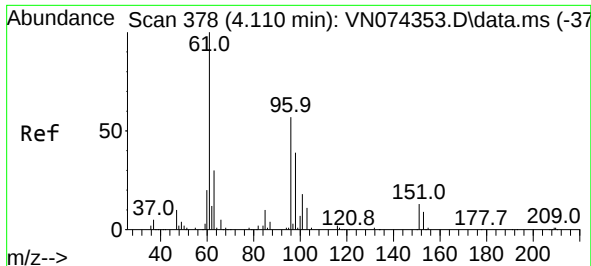
Tgt Ion: 94 Resp: 1759
Ion Ratio Lower Upper
94 100
96 92.7 75.2 112.8



#7
Trichlorofluoromethane
Concen: 0.299 ug/l
RT: 3.310 min Scan# 242
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion: 101 Resp: 1990
Ion Ratio Lower Upper
101 100
103 10.8 50.1 75.1#

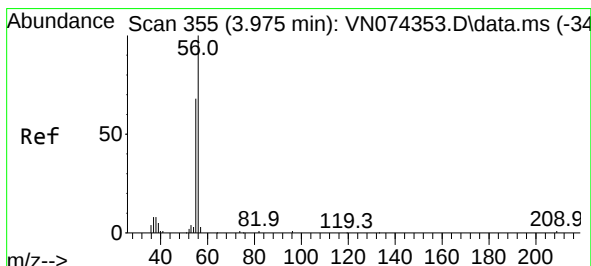
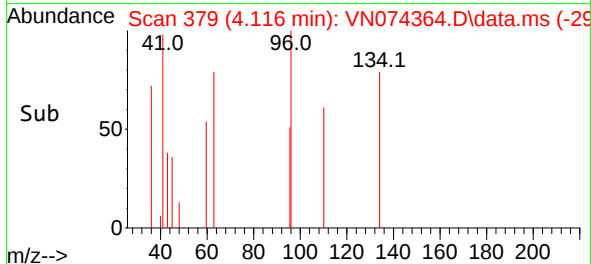
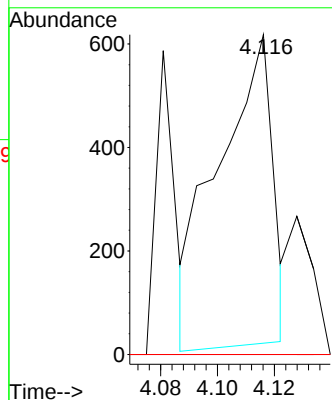
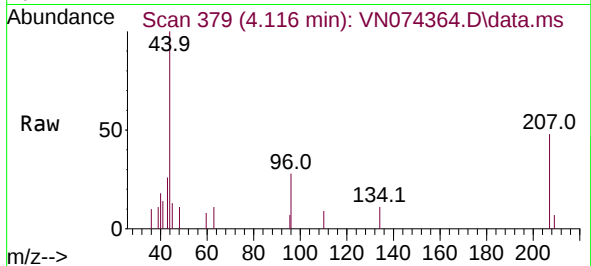




#10
1,1-Dichloroethene
Concen: 0.212 ug/l
RT: 4.116 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

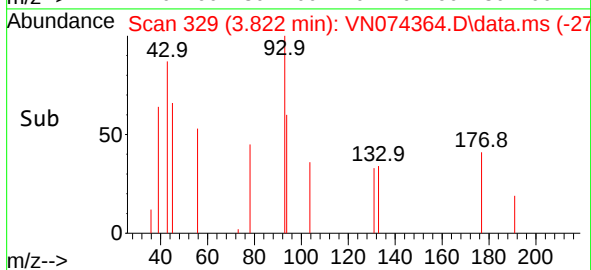
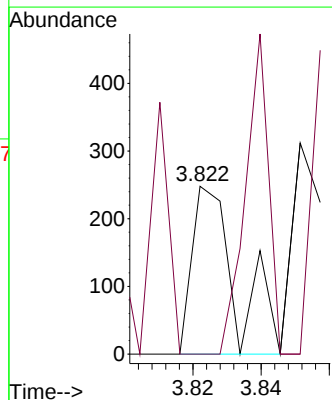
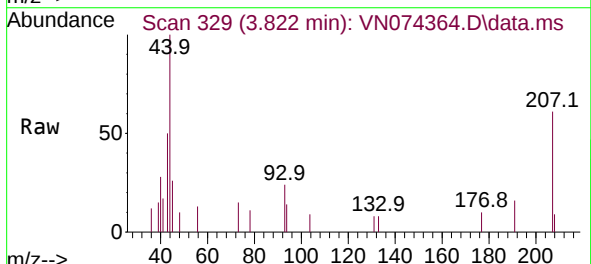
Instrument :
MSVOA_N
ClientSampleId :

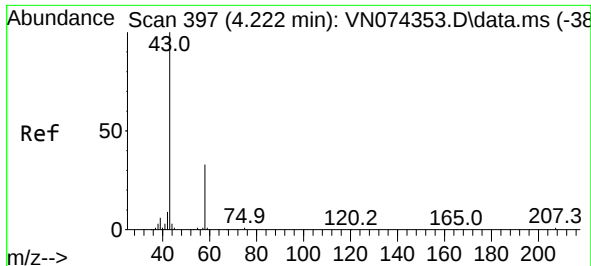
Tgt Ion: 96 Resp: 797
Ion Ratio Lower Upper
96 100
61 0.0 126.2 189.4#
98 0.0 50.9 76.3#



#13
Acrolein
Concen: 0.201 ug/l
RT: 3.822 min Scan# 329
Delta R.T. -0.153 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 59.3 57.6 86.4

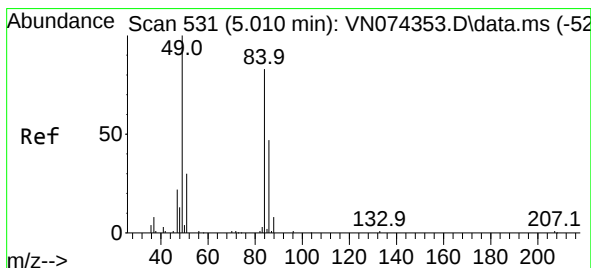
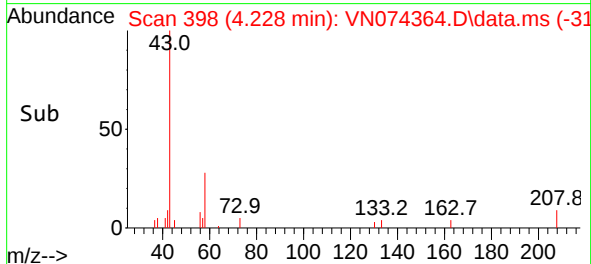
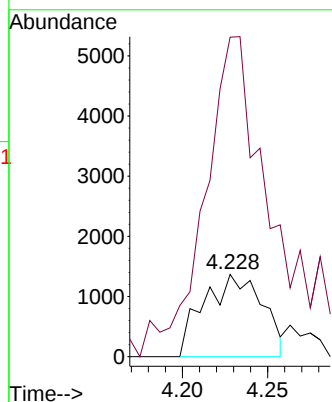
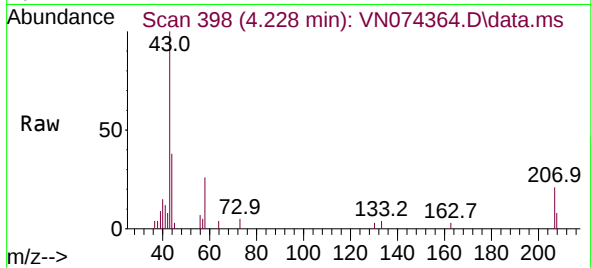




#15
Acetone
Concen: 3.913 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

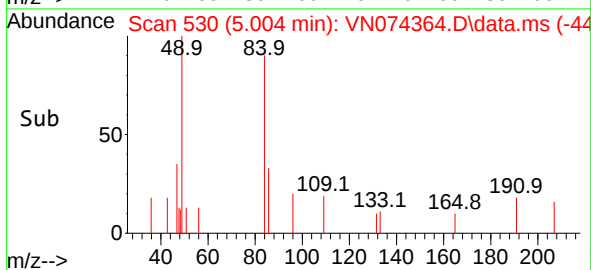
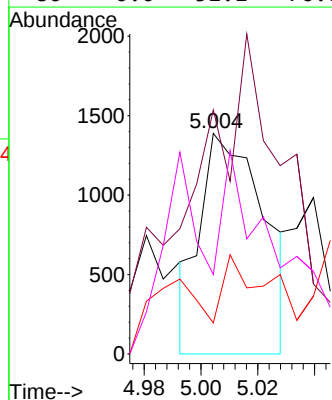
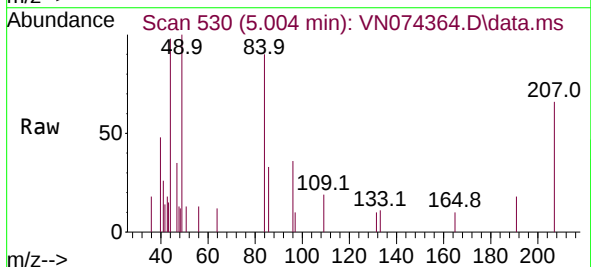
Instrument :
MSVOA_N
ClientSampleId :

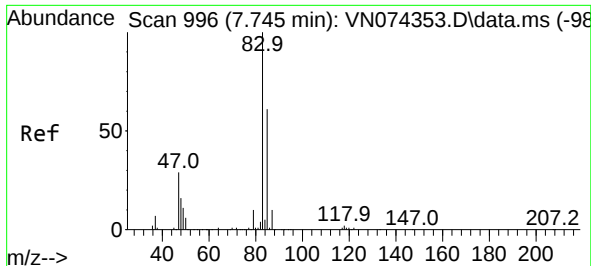
Tgt Ion: 58 Resp: 3281
Ion Ratio Lower Upper
58 100
43 326.2 256.6 384.8



#18
Methylene Chloride
Concen: 0.451 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion: 84 Resp: 2156
Ion Ratio Lower Upper
84 100
49 92.3 91.4 137.0
51 0.0 29.4 44.0#
86 0.0 51.1 76.7#

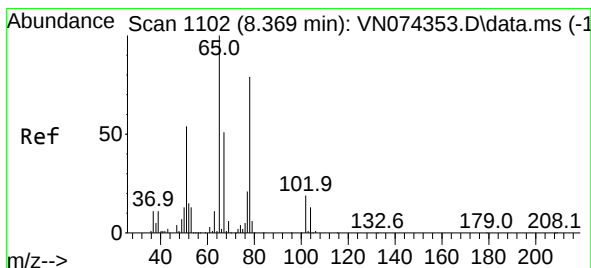
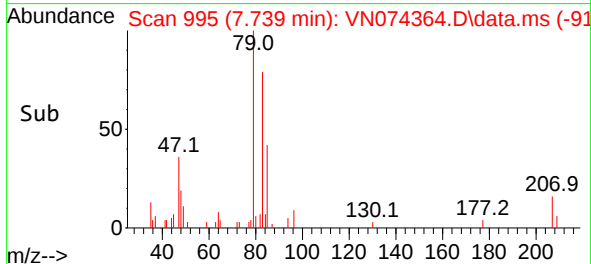
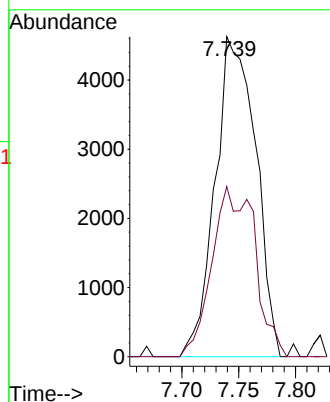
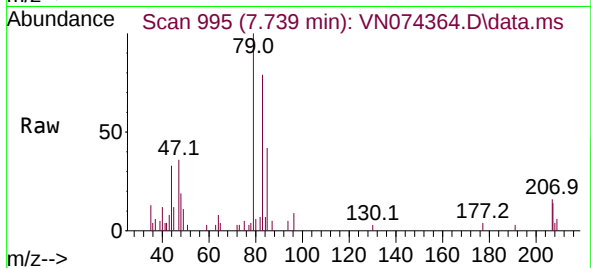




#25
Chloroform
Concen: 1.291 ug/l
RT: 7.739 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

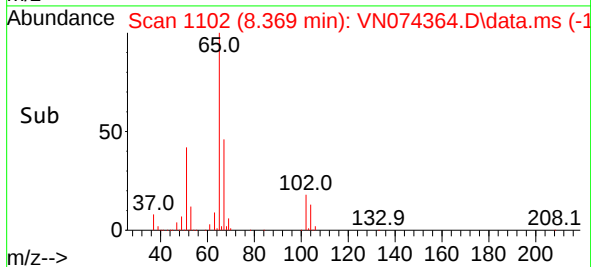
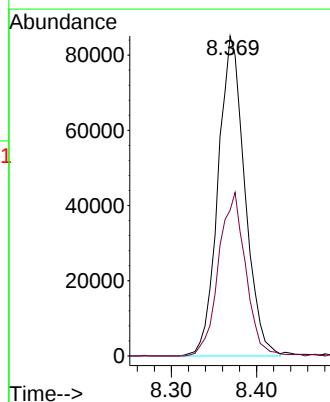
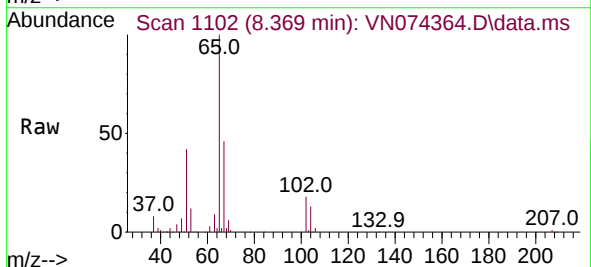
Instrument :
MSVOA_N
ClientSampleId :

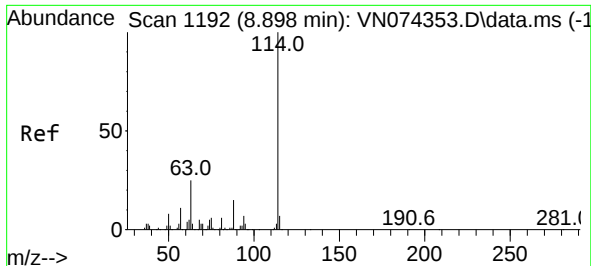
Tgt Ion: 83 Resp: 11513
Ion Ratio Lower Upper
83 100
85 53.1 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.999 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion: 65 Resp: 185175
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: VN074364.D

Acq: 08 Sep 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

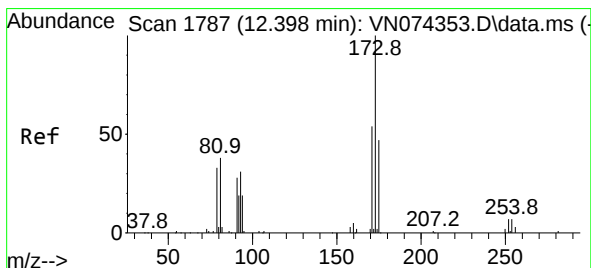
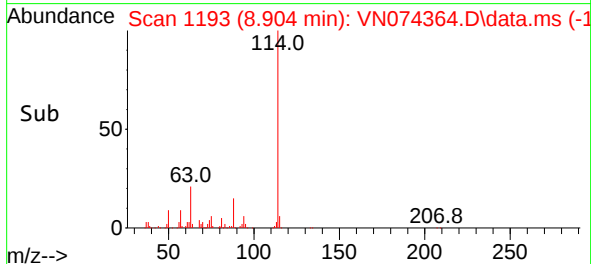
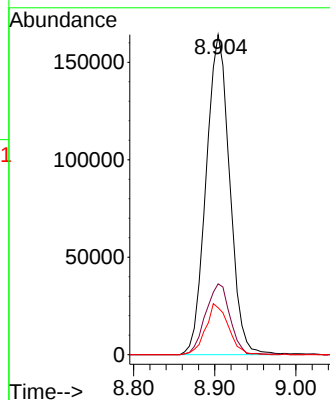
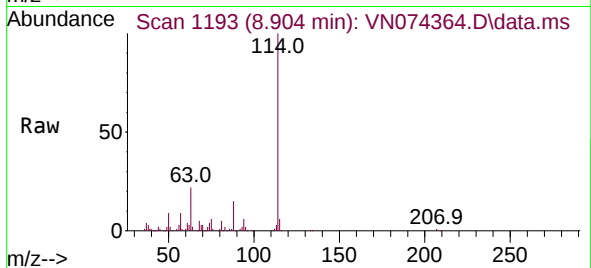
Tgt Ion:114 Resp: 331569

Ion Ratio Lower Upper

114 100

63 22.7 15.8 23.6

88 15.3 11.6 17.4



#56

Bromoform

Concen: 0.418 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074364.D

Acq: 08 Sep 2022 17:52

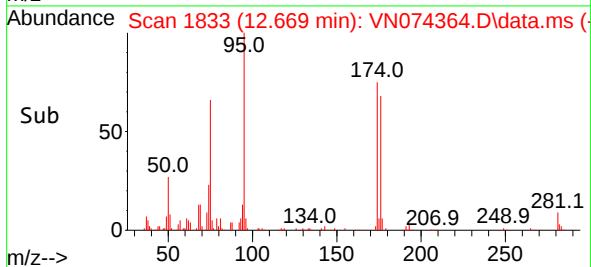
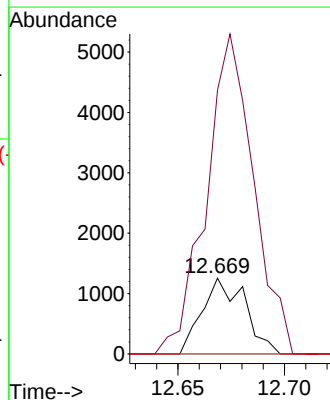
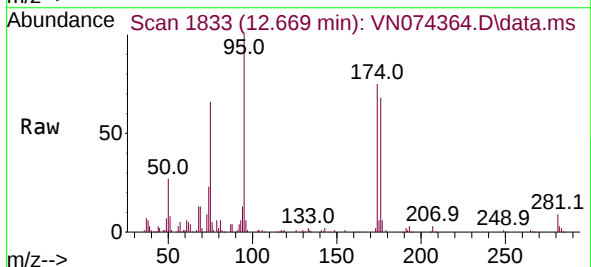
Tgt Ion:173 Resp: 1760

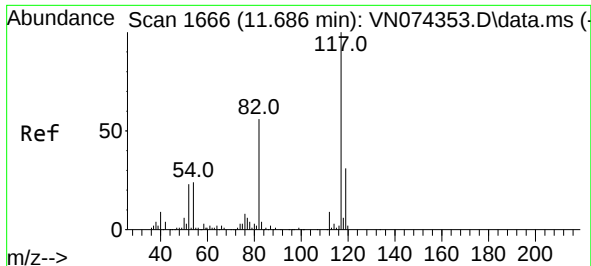
Ion Ratio Lower Upper

173 100

175 465.5 38.6 58.0#

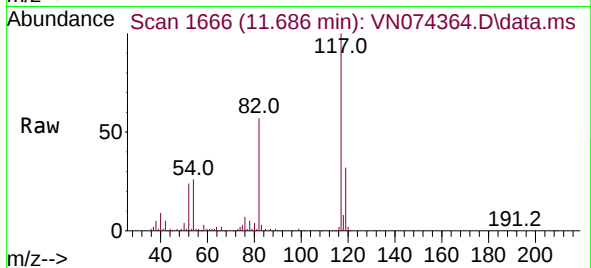
254 0.0 0.0 0.0



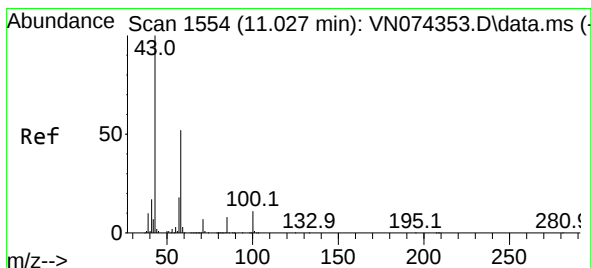
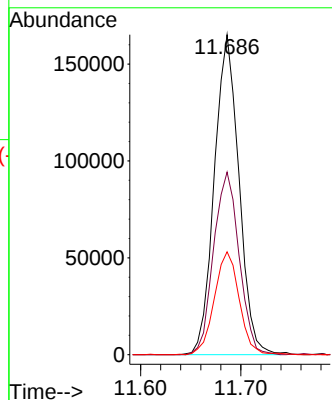
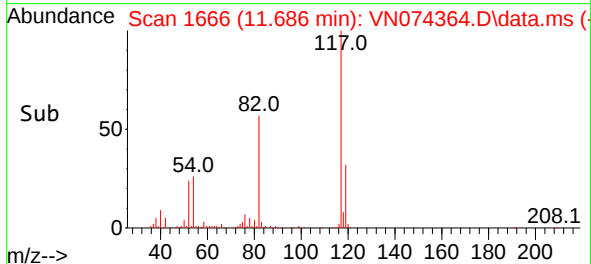


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

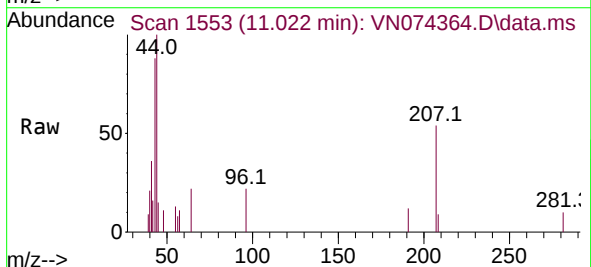
Instrument :
MSVOA_N
ClientSampleId :



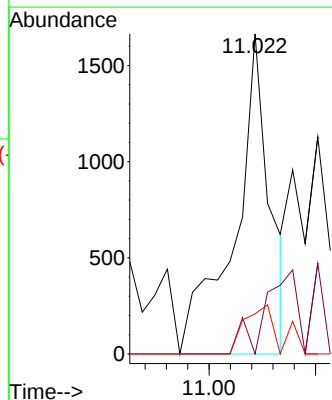
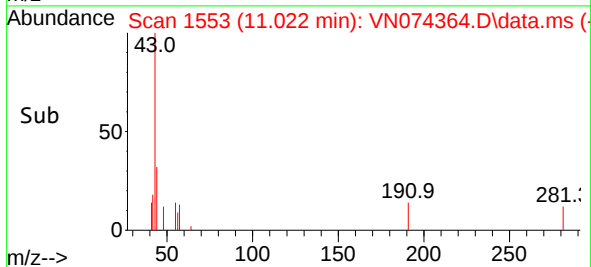
Tgt Ion:117 Resp: 281245
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 32.3 25.8 38.6

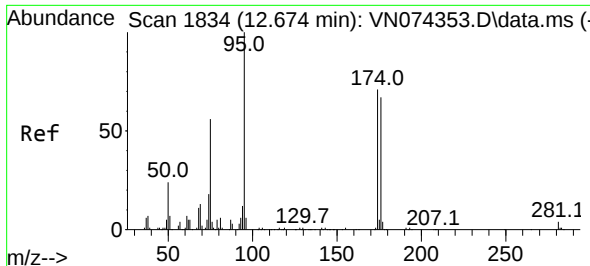


#59
2-Hexanone
Concen: 0.278 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52



Tgt Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
58 3.5 42.2 63.2#
57 12.0 15.0 22.4#

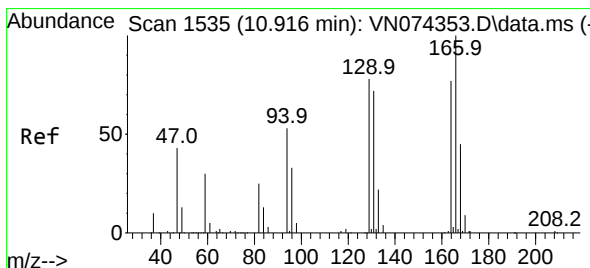
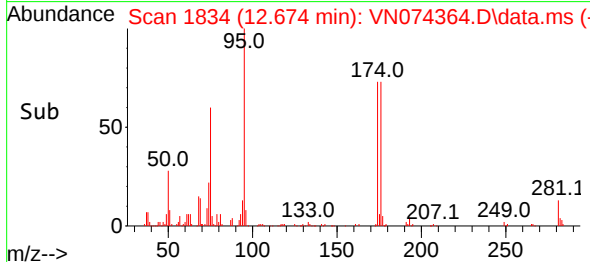
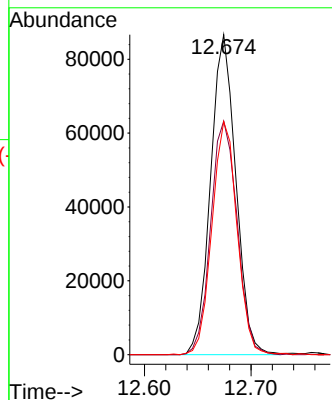
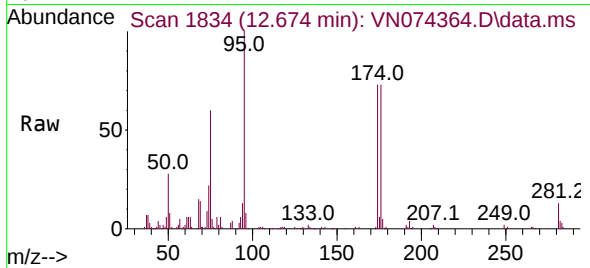




#60
4-Bromofluorobenzene
Concen: 25.404 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

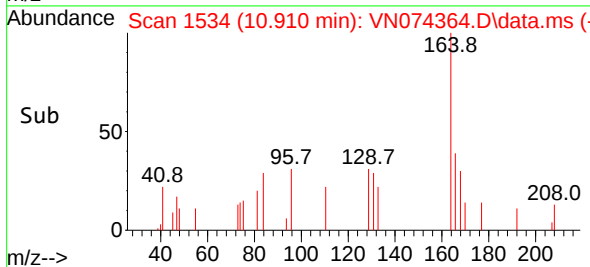
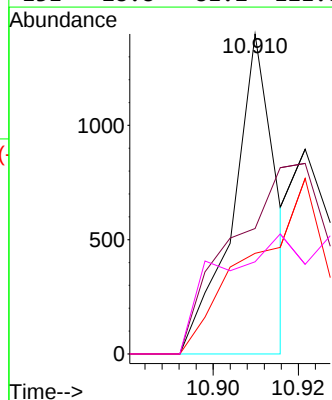
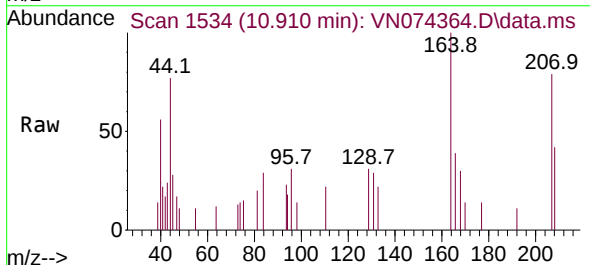
Instrument :
MSVOA_N
ClientSampleId :

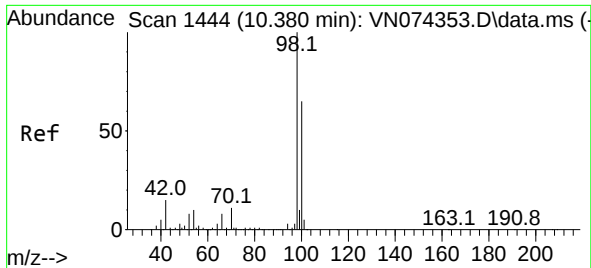
Tgt Ion: 95 Resp: 142881
Ion Ratio Lower Upper
95 100
174 76.2 62.9 94.3
176 72.2 61.0 91.4



#61
Tetrachloroethene
Concen: 0.283 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Tgt Ion:164 Resp: 986
Ion Ratio Lower Upper
164 100
166 39.2 105.8 158.8#
129 31.4 82.5 123.7#
131 28.8 81.2 121.8#





#63
Toluene-d8
Concen: 30.965 ug/l
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074364.D
Acq: 08 Sep 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 489162
Ion Ratio Lower Upper
98 100
100 65.2 50.6 76.0

