

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074366.D
 Acq On : 08 Sep 2022 18:40
 Operator : JC\MD
 Sample : N4452-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 09 05:38:57 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)

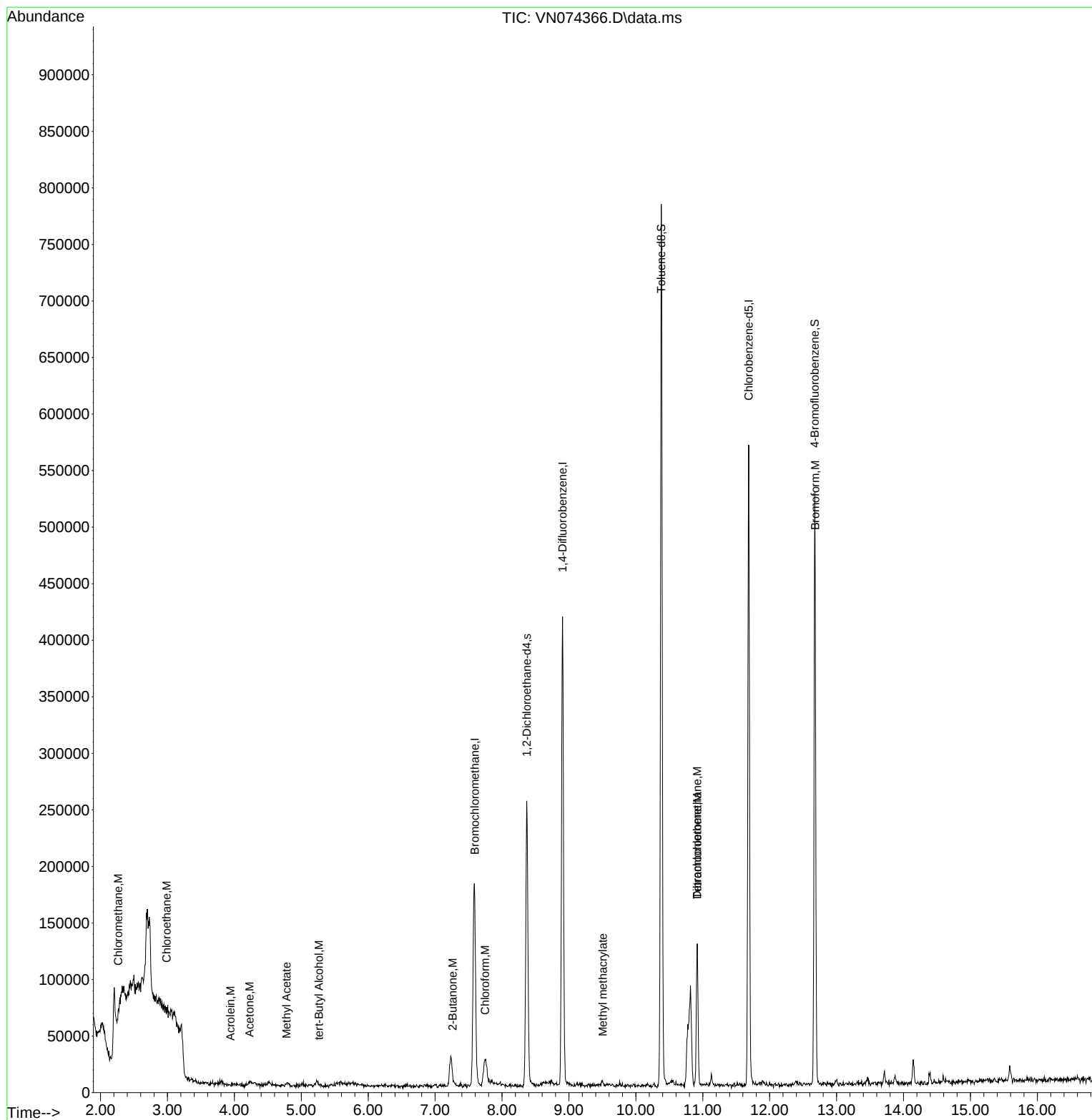
Internal Standards						
1) Bromochloromethane	7.592	128	58455	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	8.904	114	337568	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	297857	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	192027	31.996	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.667%
60) 4-Bromofluorobenzene	12.674	95	152214	25.554	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.167%
63) Toluene-d8	10.381	98	496479	29.676	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.933%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	2570	0.451	ug/l #	79
6) Chloroethane	2.987	64	2093	0.506	ug/l #	44
12) Methyl Acetate	4.781	43	1980	0.234	ug/l #	87
13) Acrolein	3.940	56	252	0.221	ug/l	96
15) Acetone	4.228	58	1020	1.173	ug/l #	1
23) tert-Butyl Alcohol	5.263	59	582	0.410	ug/l #	100
25) Chloroform	7.745	83	14437	1.561	ug/l	89
30) 2-Butanone	7.263	43	1132	0.238	ug/l #	91
46) Methyl methacrylate	9.504	41	1648	0.257	ug/l	71
53) Dibromochloromethane	10.916	129	23838	4.239	ug/l #	10
56) Bromoform	12.680	173	1579	0.369	ug/l #	1
61) Tetrachloroethene	10.916	164	25494	6.899	ug/l	89

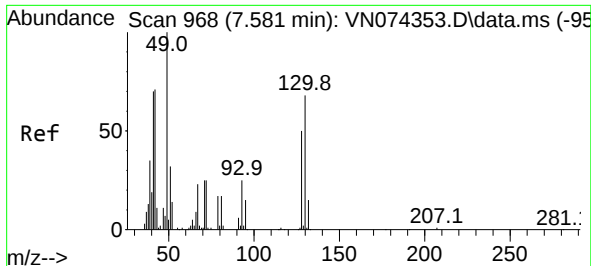
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 09 05:38:57 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

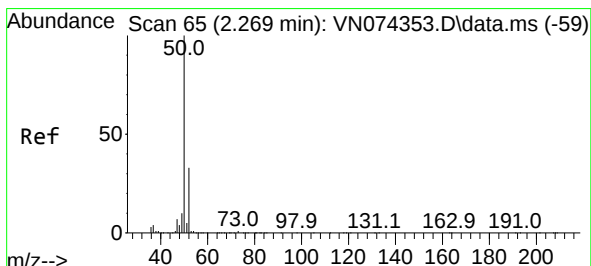
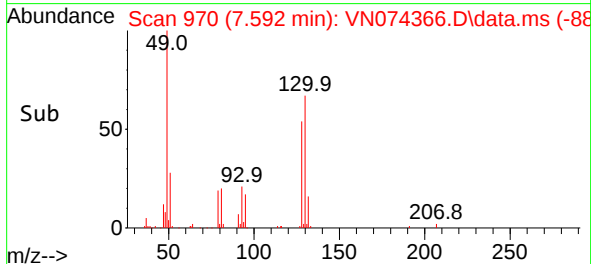
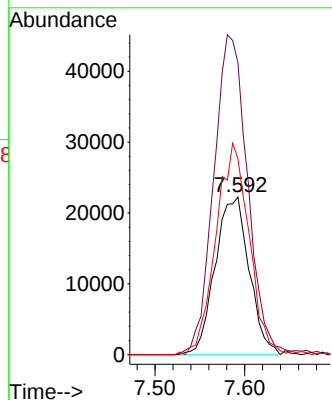
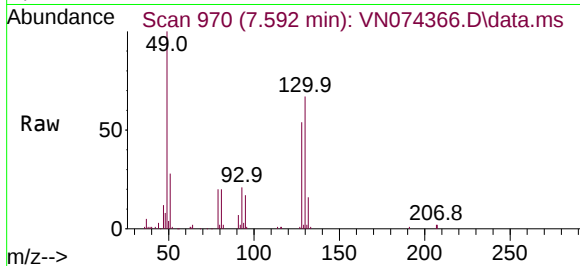




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.592 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

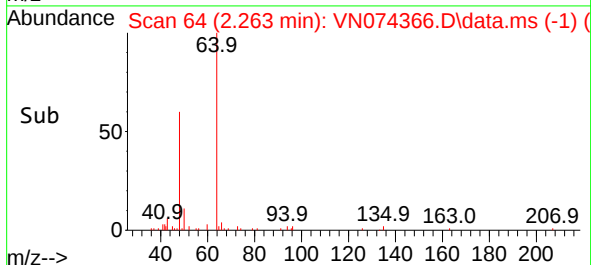
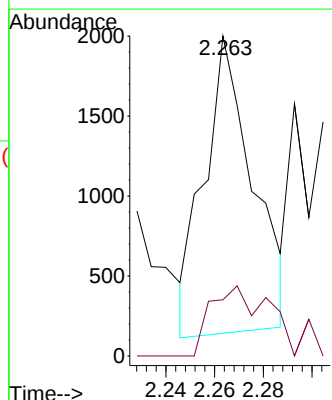
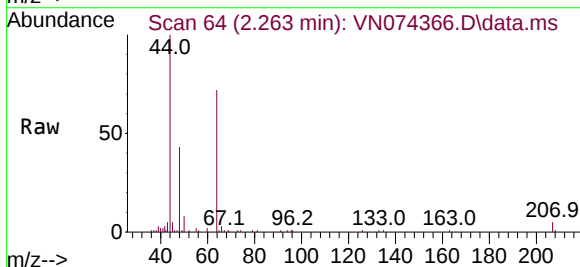
Instrument :
MSVOA_N
ClientSampleId :

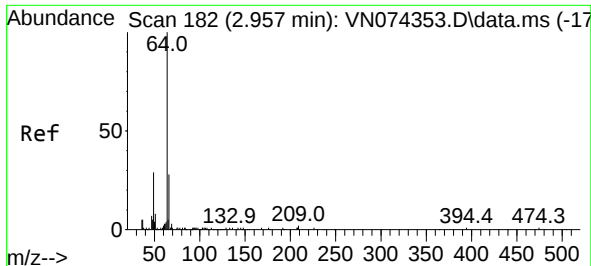
Tgt Ion:128 Resp: 58455
Ion Ratio Lower Upper
128 100
49 202.1 0.0 392.3
130 130.5 0.0 320.2



#3
Chloromethane
Concen: 0.451 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 50 Resp: 2570
Ion Ratio Lower Upper
50 100
52 22.7 27.8 41.6#

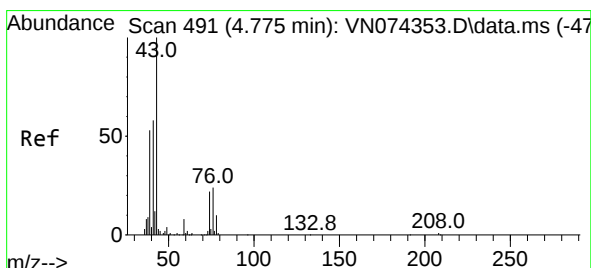
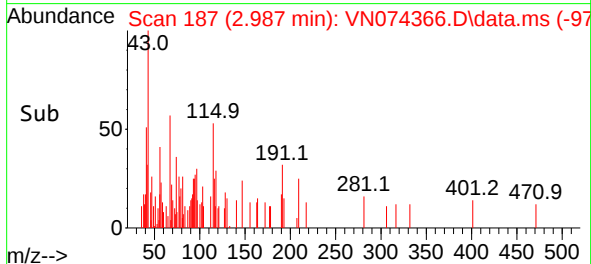
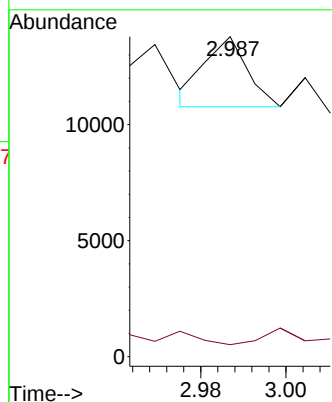
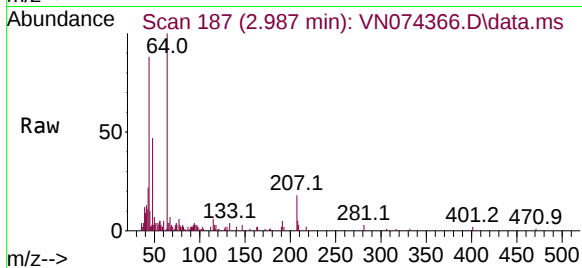




#6
Chloroethane
Concen: 0.506 ug/l
RT: 2.987 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

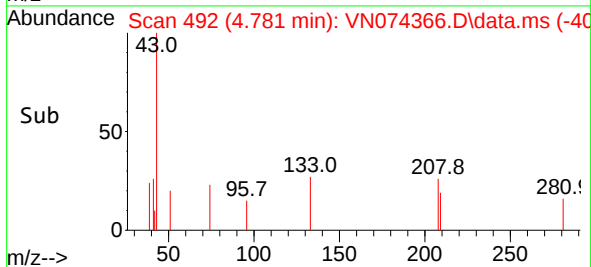
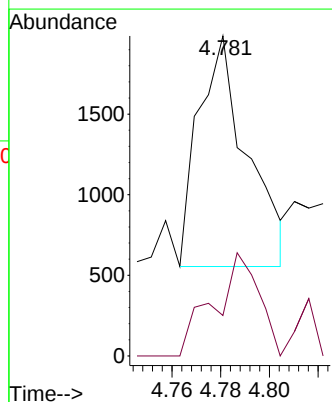
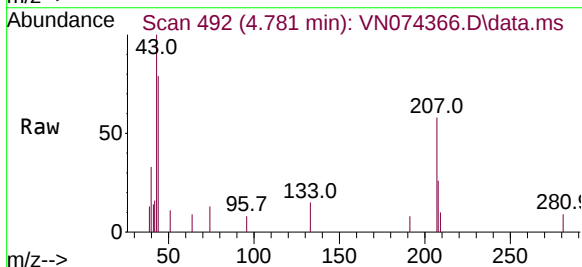
Instrument :
MSVOA_N
ClientSampleId :

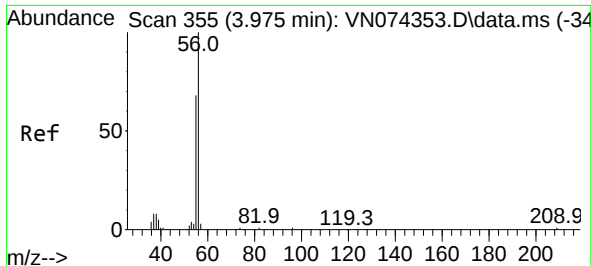
Tgt Ion: 64 Resp: 2093
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#12
Methyl Acetate
Concen: 0.234 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
74 19.5 20.8 31.2#

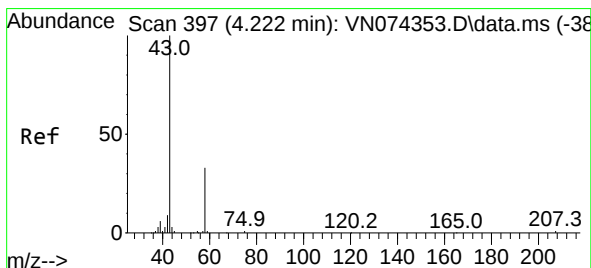
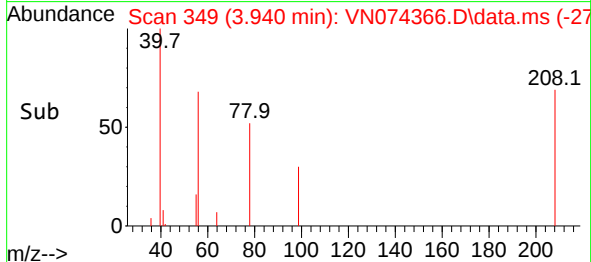
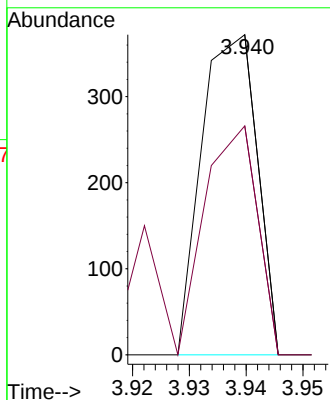
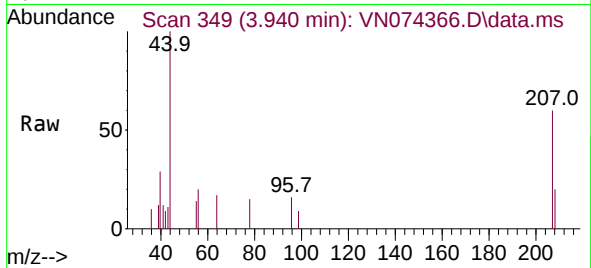




#13
Acrolein
Concen: 0.221 ug/l
RT: 3.940 min Scan# 34
Delta R.T. -0.035 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

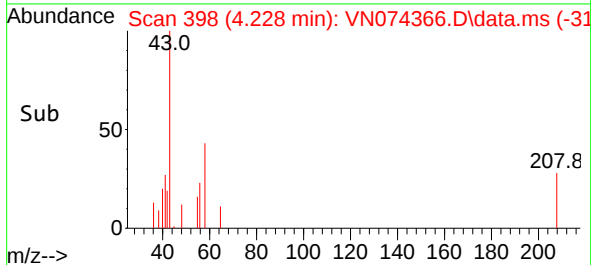
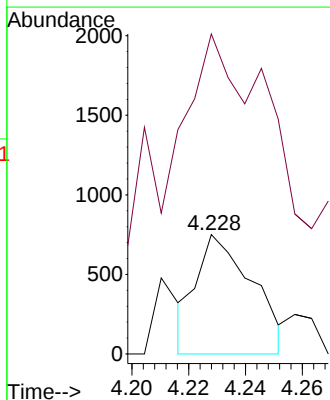
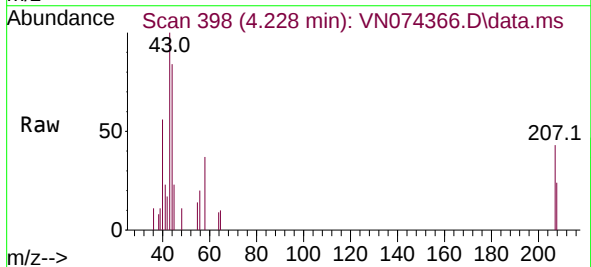
Instrument :
MSVOA_N
ClientSampleId :

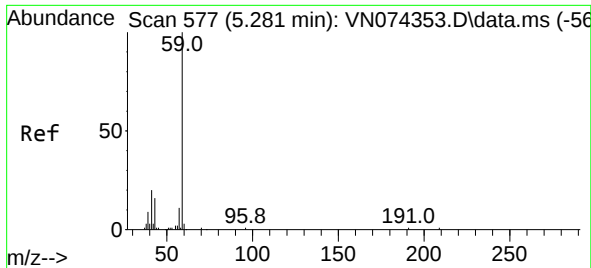
Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 68.3 57.6 86.4



#15
Acetone
Concen: 1.173 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

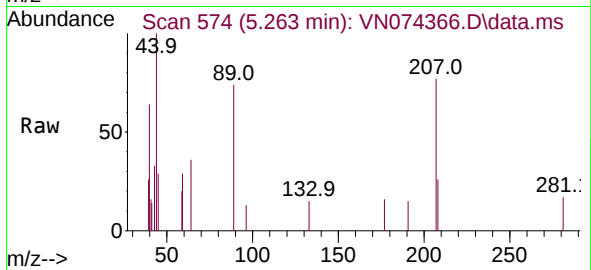
Tgt Ion: 58 Resp: 1020
Ion Ratio Lower Upper
58 100
43 105.8 256.6 384.8#



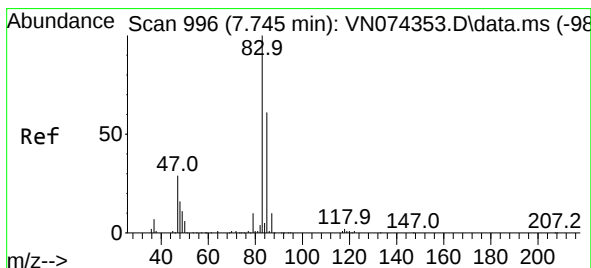
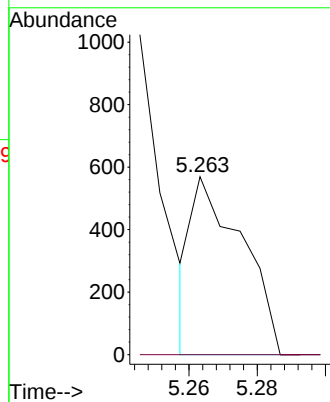
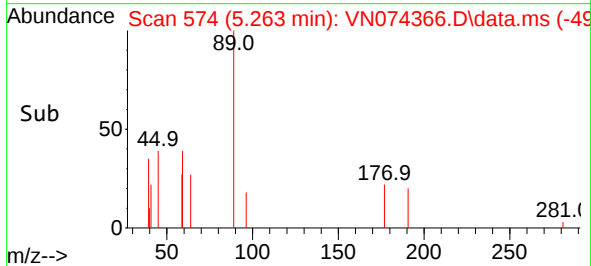


#23
tert-Butyl Alcohol
Concen: 0.410 ug/l
RT: 5.263 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Instrument :
MSVOA_N
ClientSampleId :

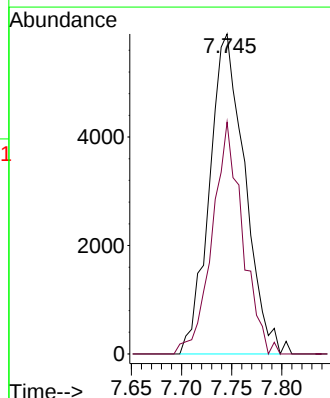
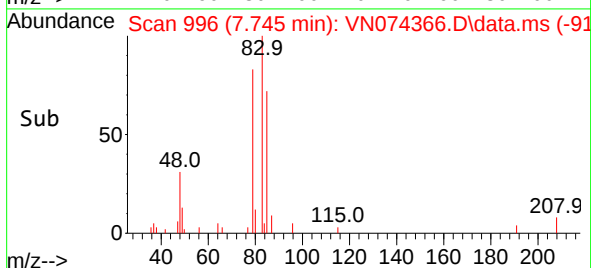
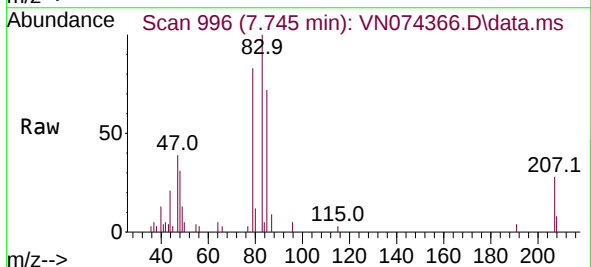


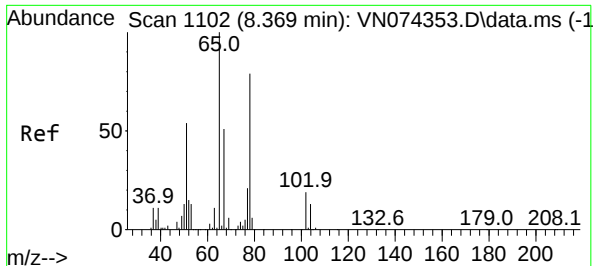
Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.561 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 83 Resp: 14437
Ion Ratio Lower Upper
83 100
85 72.5 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 31.996 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074366.D

Acq: 08 Sep 2022 18:40

Instrument :

MSVOA_N

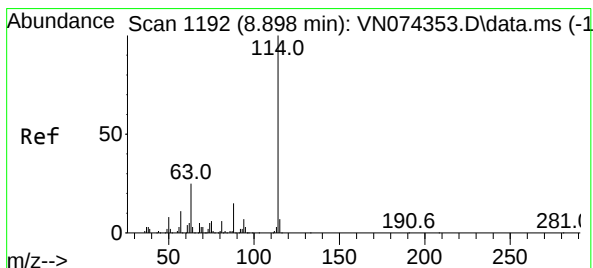
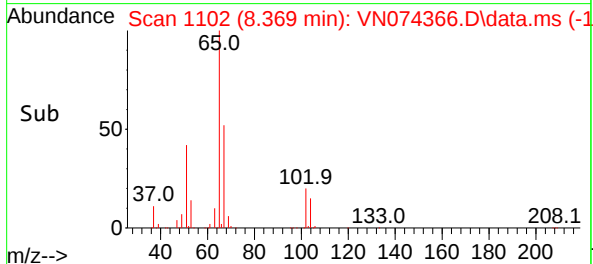
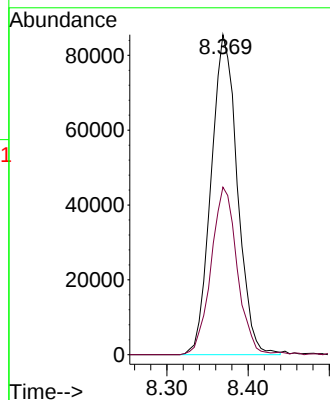
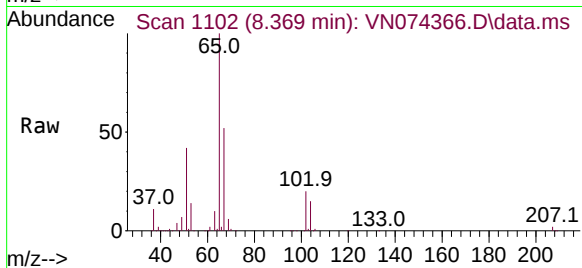
ClientSampleId :

Tgt Ion: 65 Resp: 192027

Ion Ratio Lower Upper

65 100

67 51.9 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: VN074366.D

Acq: 08 Sep 2022 18:40

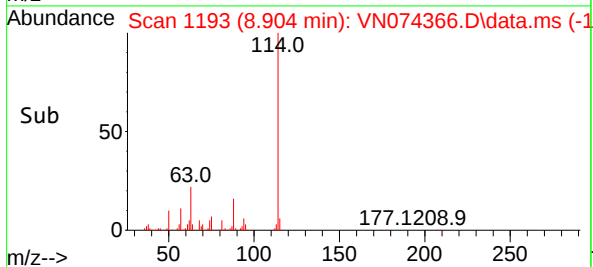
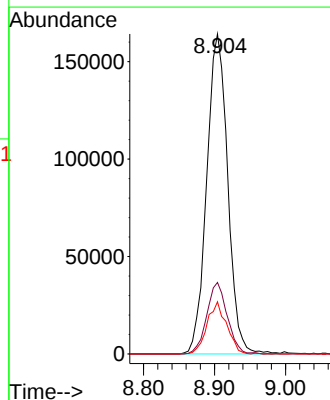
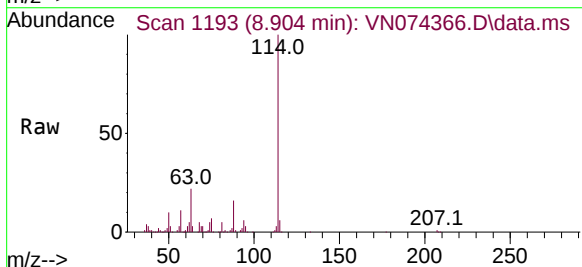
Tgt Ion: 114 Resp: 337568

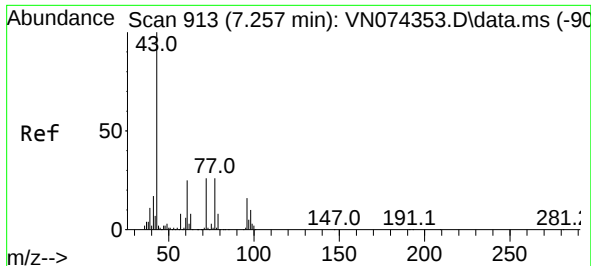
Ion Ratio Lower Upper

114 100

63 21.6 15.8 23.6

88 15.3 11.6 17.4

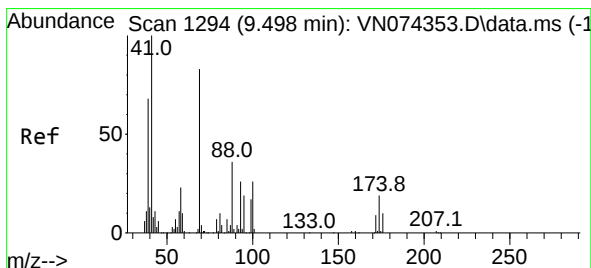
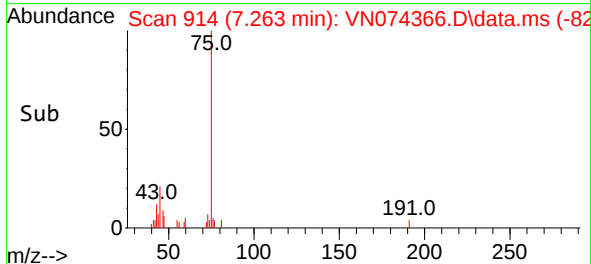
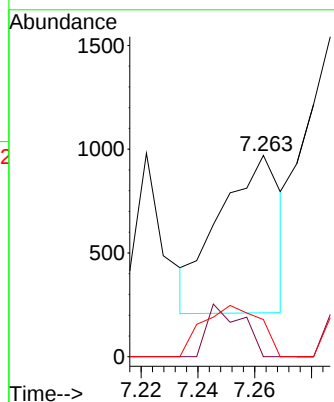
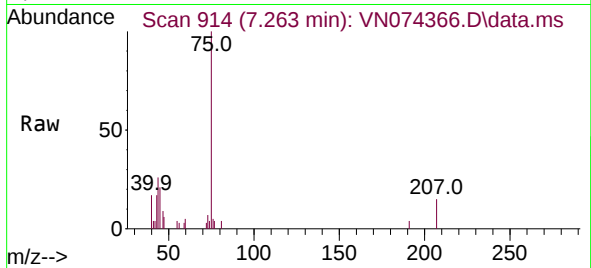




#30
2-Butanone
Concen: 0.238 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

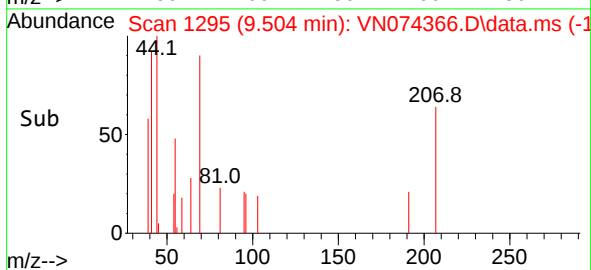
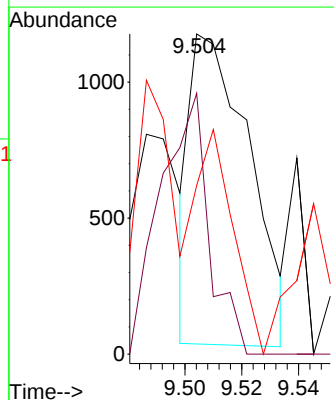
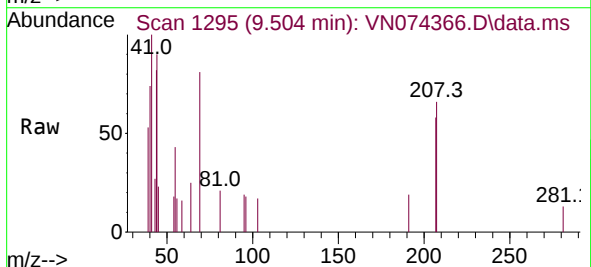
Instrument :
MSVOA_N
ClientSampleId :

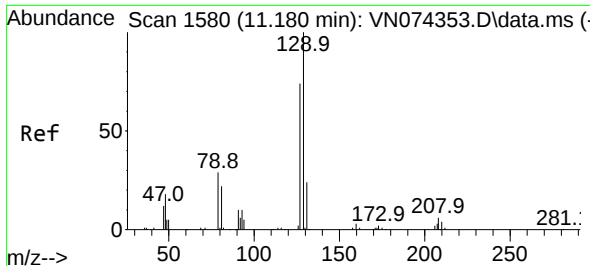
Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
57 19.1 6.7 10.1#
72 30.7 23.2 34.8



#46
Methyl methacrylate
Concen: 0.257 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 41 Resp: 1648
Ion Ratio Lower Upper
41 100
69 107.6 44.4 133.2
39 46.0 39.9 119.6

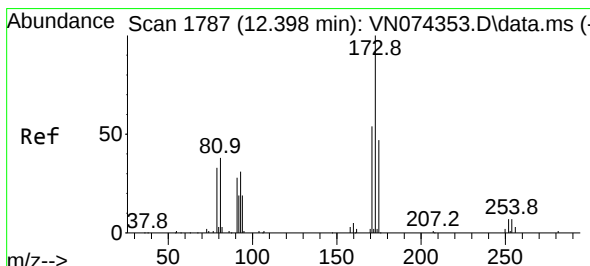
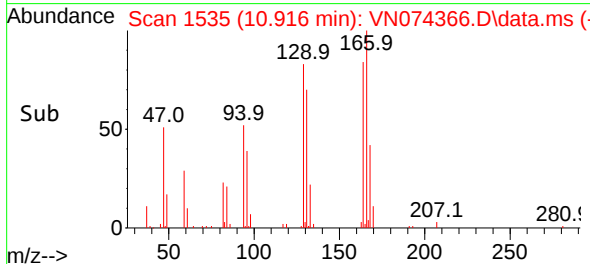
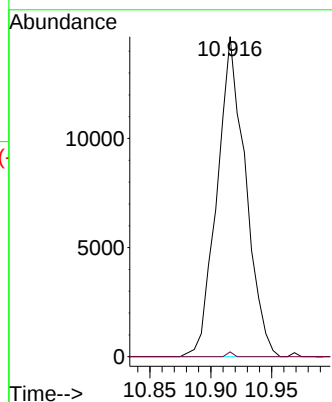
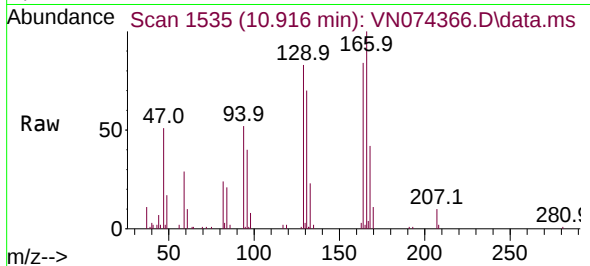




#53
Dibromochloromethane
Concen: 4.239 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

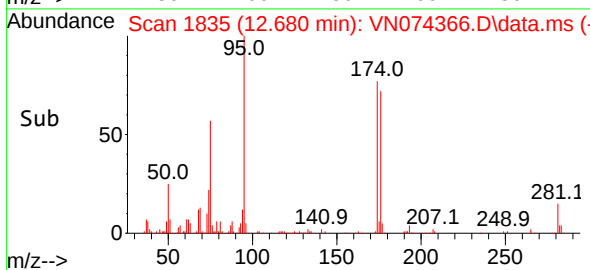
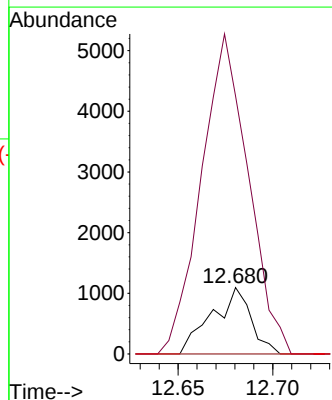
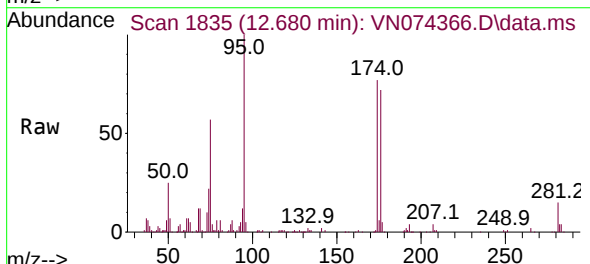
Instrument :
MSVOA_N
ClientSampleId :

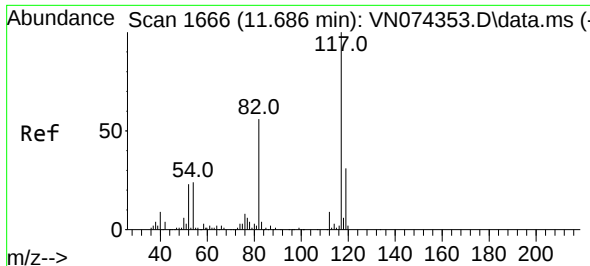
Tgt Ion:129 Resp: 23838
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#56
Bromoform
Concen: 0.369 ug/l
RT: 12.680 min Scan# 1835
Delta R.T. 0.282 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion:173 Resp: 1579
Ion Ratio Lower Upper
173 100
175 577.1 38.6 58.0#
254 0.0 0.0 0.0

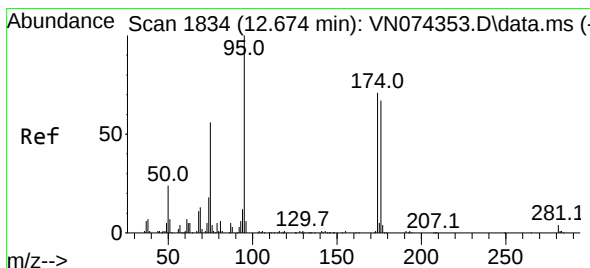
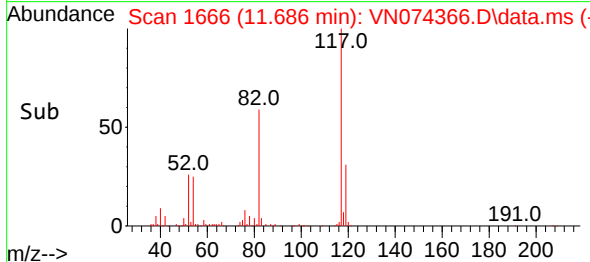
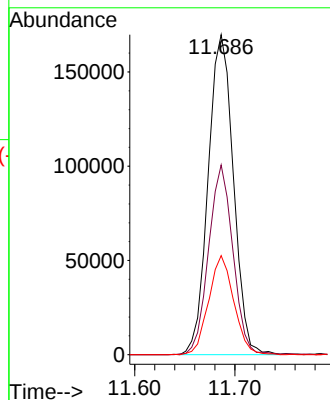
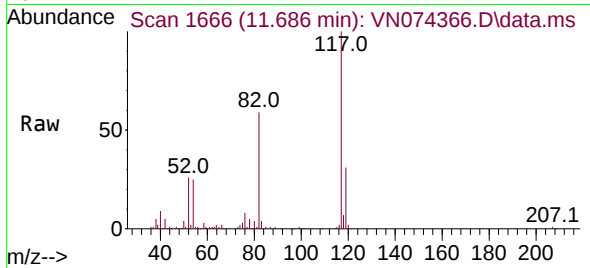




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

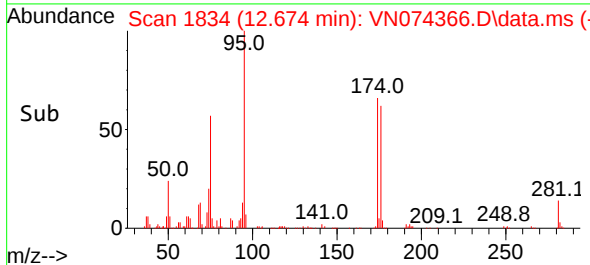
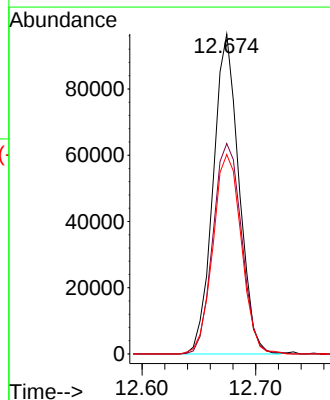
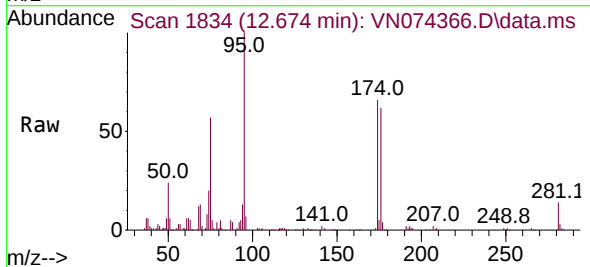
Instrument :
MSVOA_N
ClientSampleId :

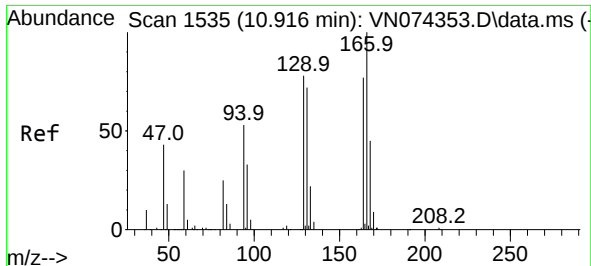
Tgt Ion:117 Resp: 297857
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 30.8 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 25.554 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 95 Resp: 152214
Ion Ratio Lower Upper
95 100
174 73.1 62.9 94.3
176 68.8 61.0 91.4

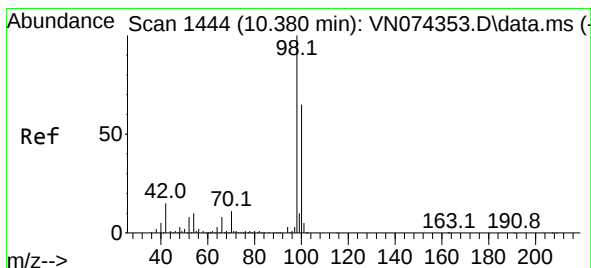
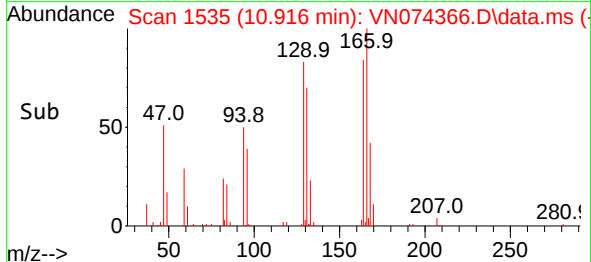
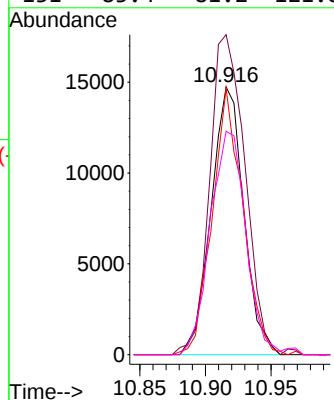
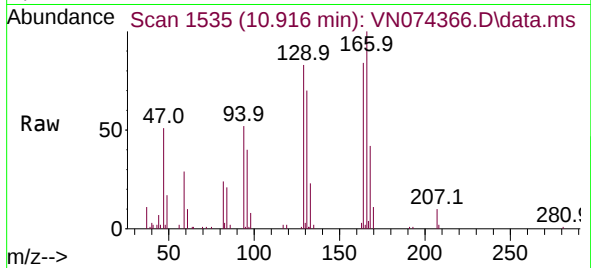




#61
Tetrachloroethene
Concen: 6.899 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 25494
Ion Ratio Lower Upper
164 100
166 119.6 105.8 158.8
129 98.5 82.5 123.7
131 83.4 81.2 121.8



#63
Toluene-d8
Concen: 29.676 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074366.D
Acq: 08 Sep 2022 18:40

Tgt Ion: 98 Resp: 496479
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

