

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074490.D
 Acq On : 16 Sep 2022 03:41
 Operator : JC\MD
 Sample : N4630-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-17-4-4-GR

Quant Time: Sep 16 07:01:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

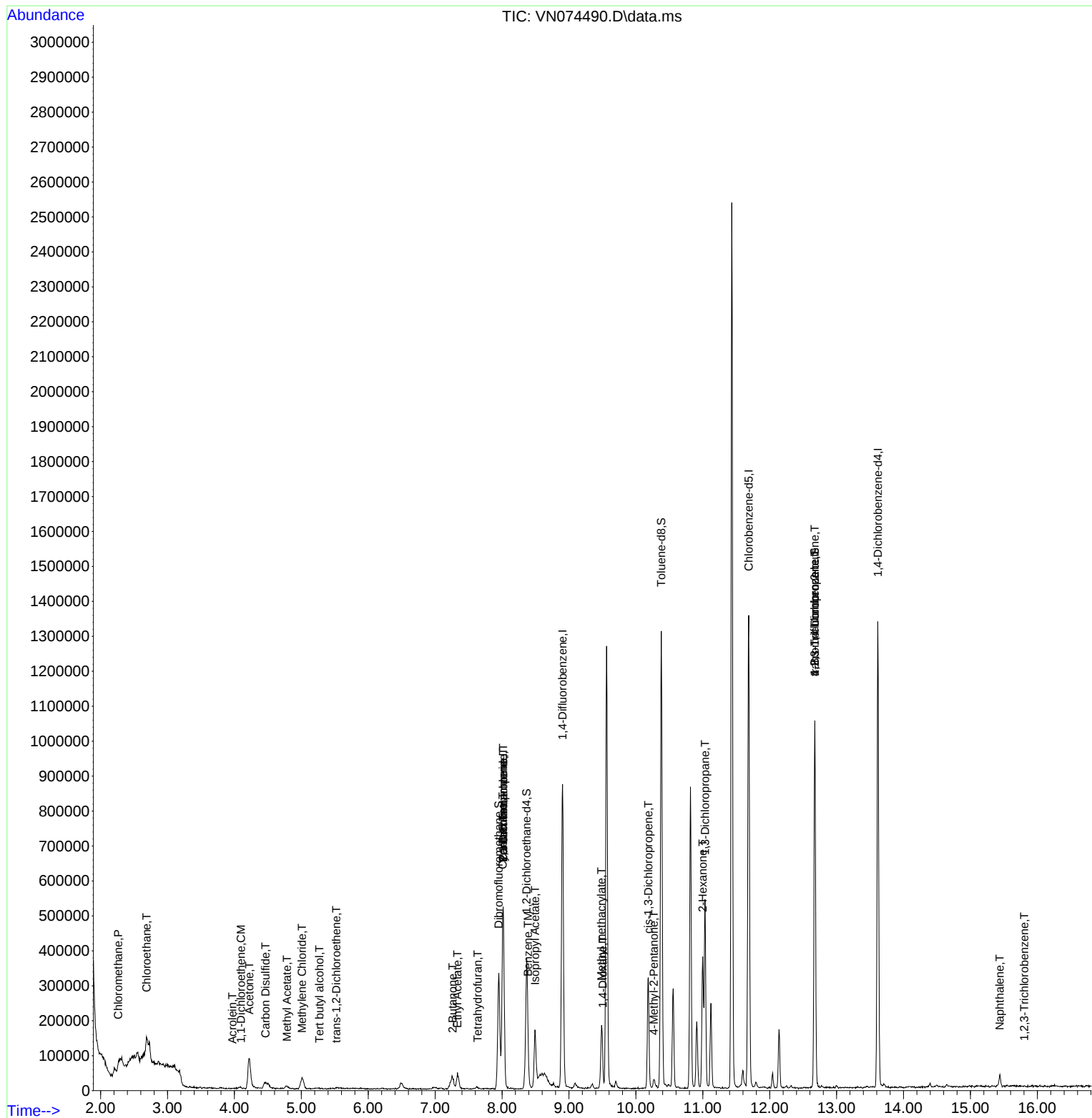
Internal Standards						
1) Pentafluorobenzene	8.016	168	376891	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	720056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	722593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	310025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	270409	42.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.580%		
35) Dibromofluoromethane	7.951	113	224460	46.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.860%		
50) Toluene-d8	10.380	98	837311	45.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.520%		
62) 4-Bromofluorobenzene	12.674	95	335391	52.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.880%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1969	0.542	ug/l	# 87
6) Chloroethane	2.687	64	13157	2.609	ug/l	# 65
11) Tert butyl alcohol	5.269	59	518	0.249	ug/l	# 67
12) 1,1-Dichloroethene	4.098	96	309	0.746	ug/l	# 1
13) Acrolein	3.969	56	476	0.626	ug/l	95
16) Acetone	4.222	43	164250	40.139	ug/l	90
17) Carbon Disulfide	4.463	76	34413	2.528	ug/l	# 89
18) Methyl Acetate	4.787	43	16560	1.303	ug/l	# 87
20) Methylene Chloride	5.010	84	21630	3.491	ug/l	# 75
21) trans-1,2-Dichloroethene	5.522	96	483	0.517	ug/l	# 1
25) 2-Butanone	7.263	43	49523	7.289	ug/l	# 84
28) Bromochloromethane	7.592	49	73	Below Cal		# 8
29) Tetrahydrofuran	7.634	42	4955	1.109	ug/l	# 73
31) Cyclohexane	8.010	56	11860	1.045	ug/l	# 55
36) 1,1-Dichloropropene	8.016	75	36213	4.277	ug/l	# 49
37) Ethyl Acetate	7.334	43	64477	4.931	ug/l	98
38) Carbon Tetrachloride	8.016	117	37901	4.849	ug/l	# 16
40) Benzene	8.386	78	6095	0.233	ug/l	96
43) Isopropyl Acetate	8.492	43	203449	9.934	ug/l	# 84
48) Methyl methacrylate	9.486	41	13153	1.448	ug/l	# 37
49) 1,4-Dioxane	9.504	88	262	1.501	ug/l	# 25
51) 4-Methyl-2-Pentanone	10.269	43	24698	1.847	ug/l	# 75
54) cis-1,3-Dichloropropene	10.186	75	53893	4.891	ug/l	# 67
57) 1,3-Dichloropropane	11.033	76	5310	0.466	ug/l	# 42
59) 2-Hexanone	10.998	43	378891	37.111	ug/l	# 21
76) 1,2,3-Trichloropropane	12.674	75	193673	20.295	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	193673	43.803	ug/l	# 11
95) Naphthalene	15.439	128	23762	2.456	ug/l	97
96) 1,2,3-Trichlorobenzene	15.804	180	77	1.348	ug/l	# 12

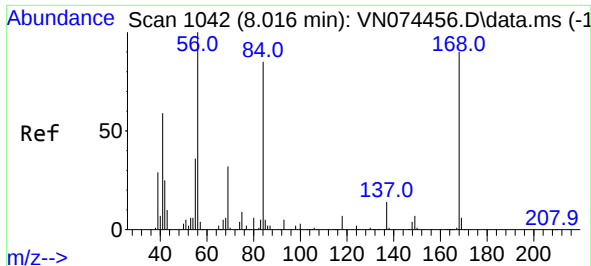
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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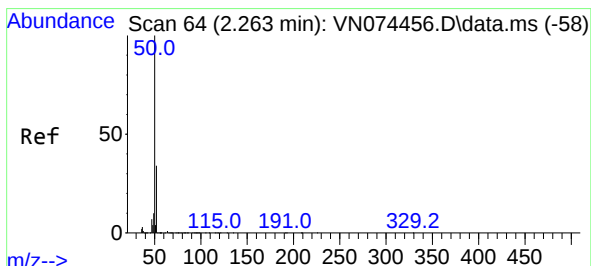
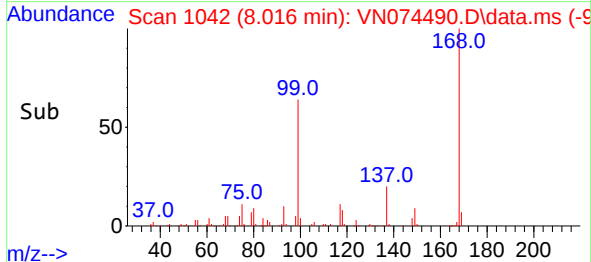
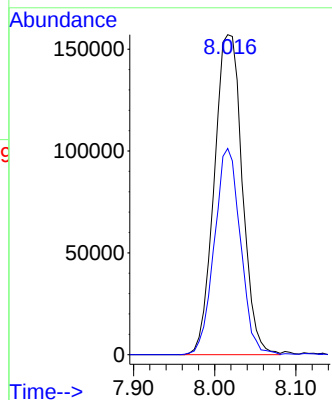
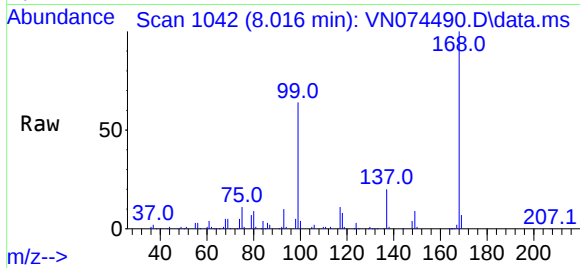




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

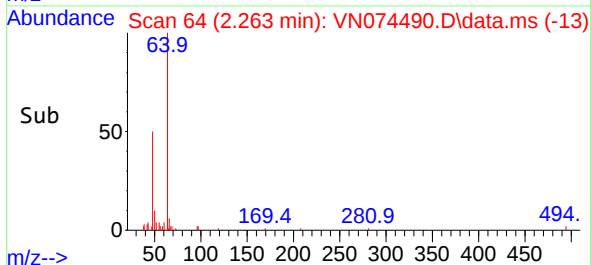
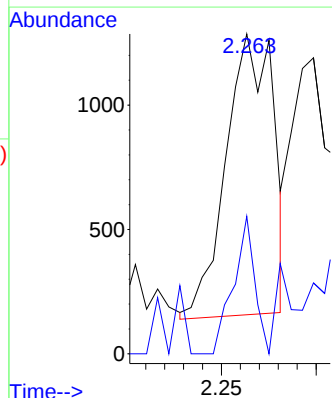
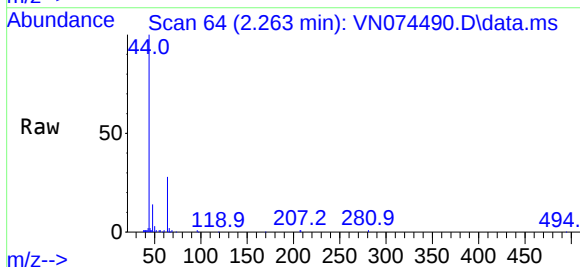
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

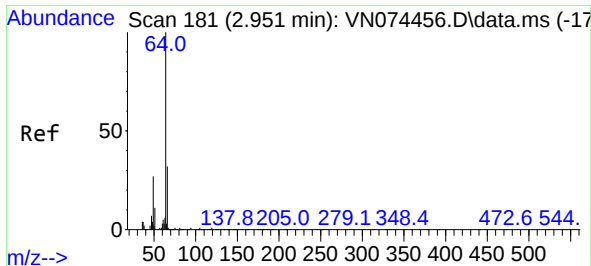
Tgt Ion:168 Resp: 376891
Ion Ratio Lower Upper
168 100
99 64.4 42.3 63.5#



#3
Chloromethane
Concen: 0.542 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 50 Resp: 1969
Ion Ratio Lower Upper
50 100
52 24.9 25.7 38.5#

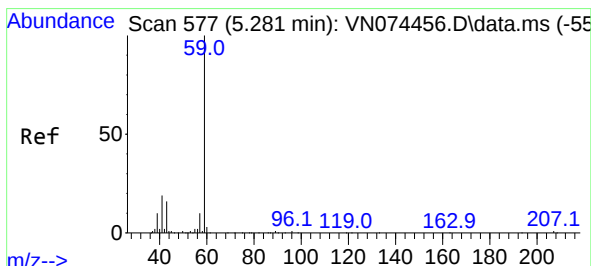
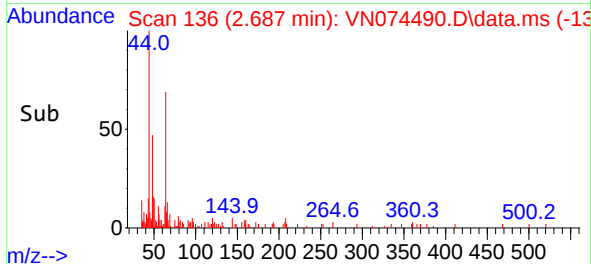
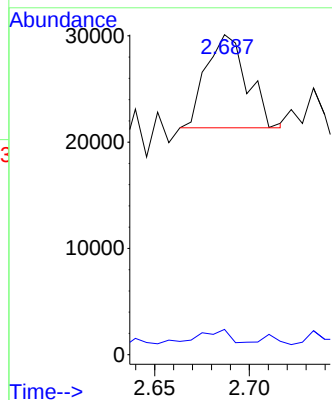
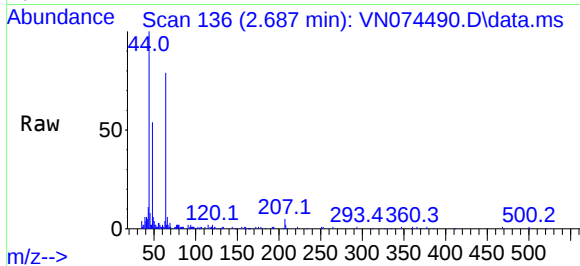




#6
Chloroethane
Concen: 2.609 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

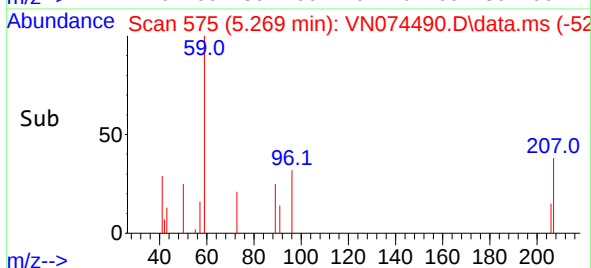
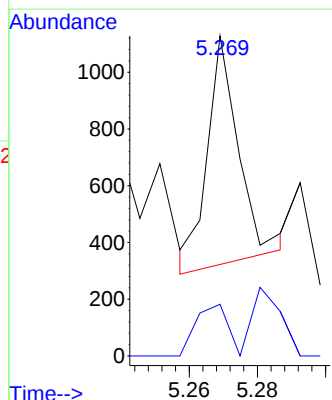
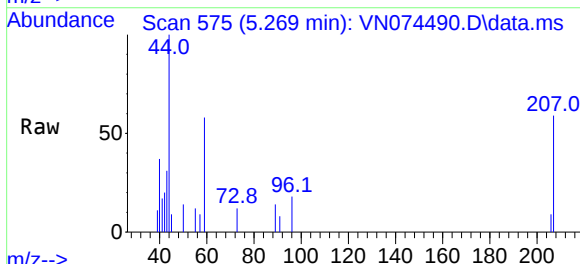
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

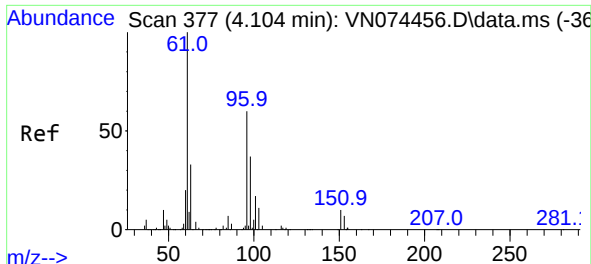
Tgt Ion: 64 Resp: 13157
Ion Ratio Lower Upper
64 100
66 13.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.249 ug/l
RT: 5.269 min Scan# 575
Delta R.T. -0.012 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 22.8 8.3 12.5#

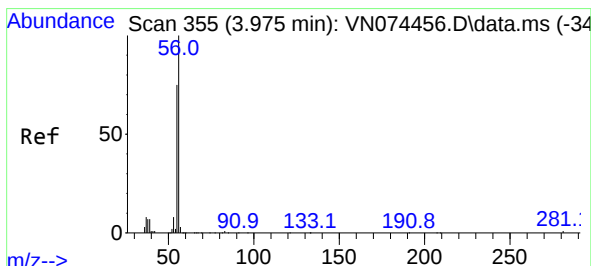
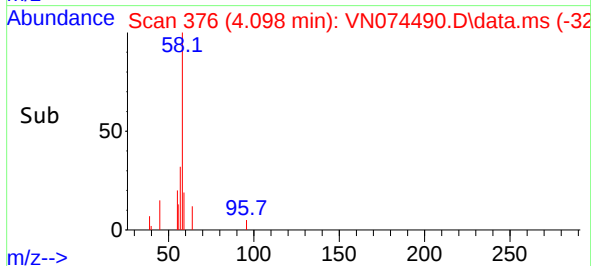
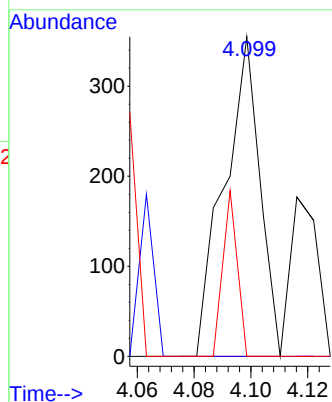
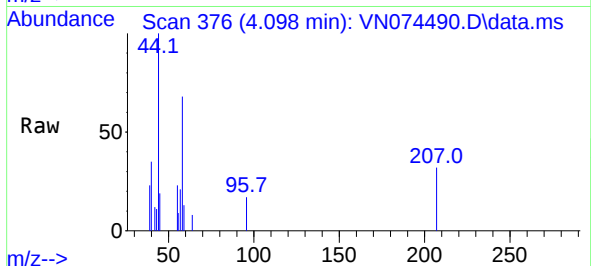




#12
1,1-Dichloroethene
Concen: 0.746 ug/l
RT: 4.098 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

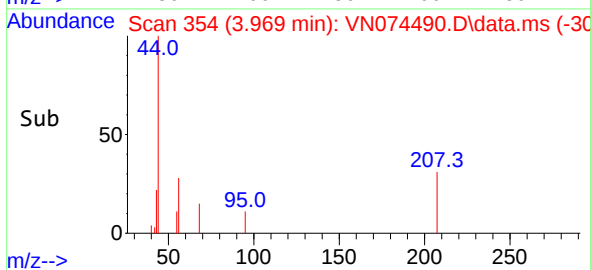
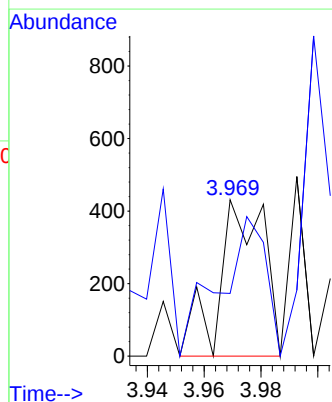
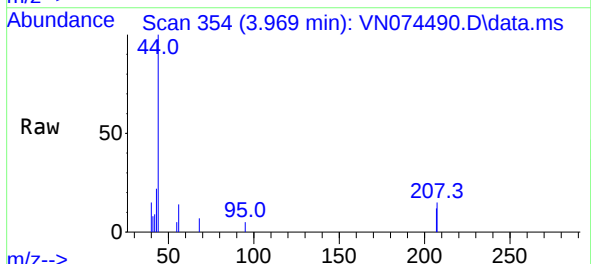
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

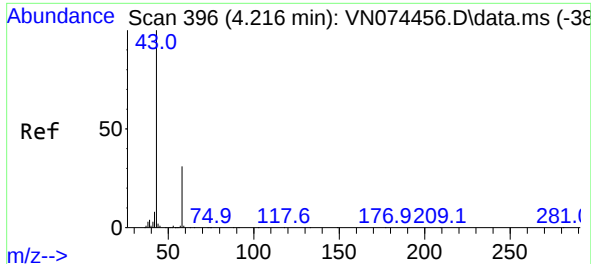
Tgt Ion: 96 Resp: 309
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.626 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.006 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 56 Resp: 476
Ion Ratio Lower Upper
56 100
55 64.7 54.8 82.2





#16

Acetone

Concen: 40.139 ug/l

RT: 4.222 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN074490.D

Acq: 16 Sep 2022 03:41

Instrument :

MSVOA_N

ClientSampleId :

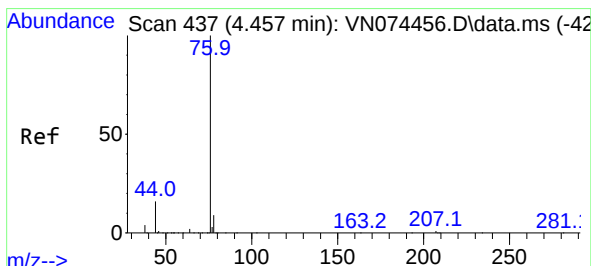
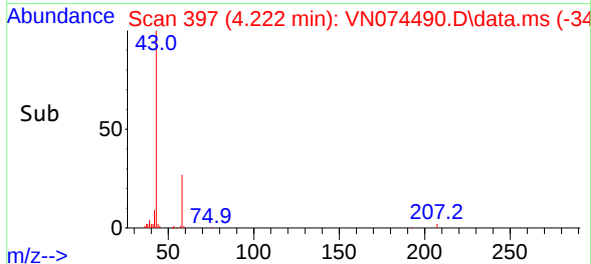
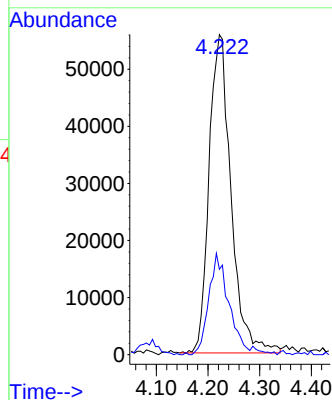
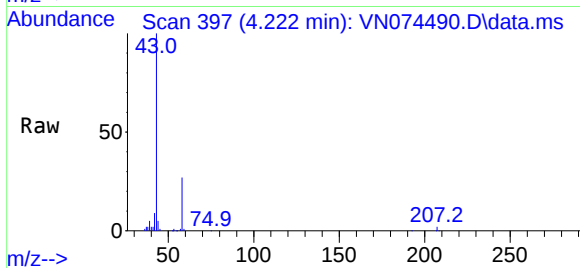
WC-17-4-4-GR

Tgt Ion: 43 Resp: 164250

Ion Ratio Lower Upper

43 100

58 26.9 26.0 39.0



#17

Carbon Disulfide

Concen: 2.528 ug/l

RT: 4.463 min Scan# 438

Delta R.T. 0.006 min

Lab File: VN074490.D

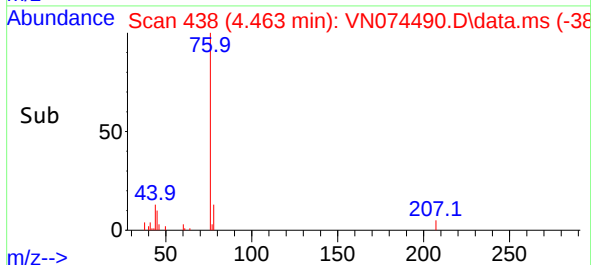
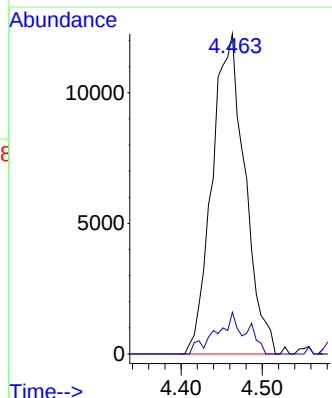
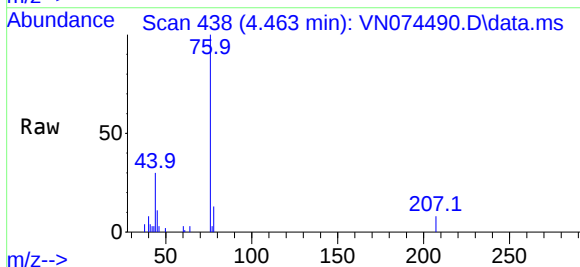
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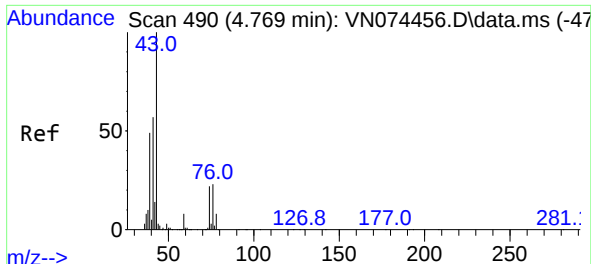
Tgt Ion: 76 Resp: 34413

Ion Ratio Lower Upper

76 100

78 13.1 7.2 10.8#

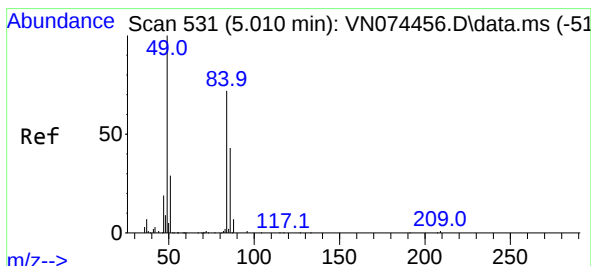
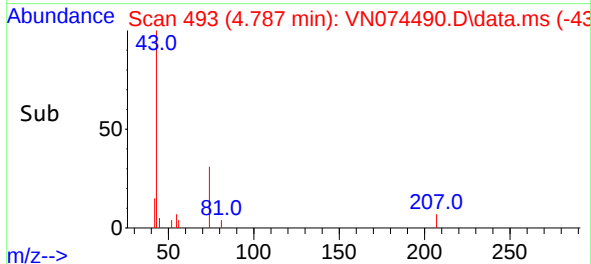
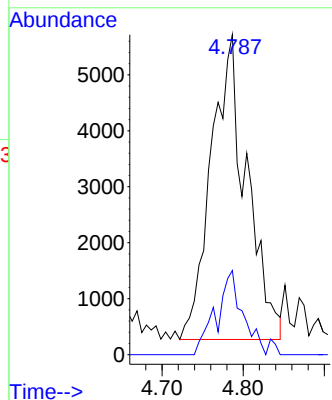
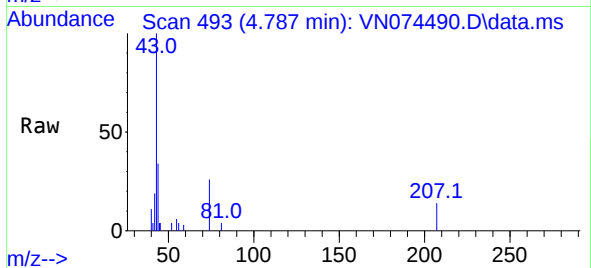




#18
Methyl Acetate
Concen: 1.303 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

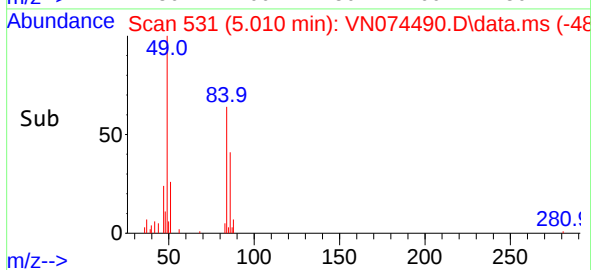
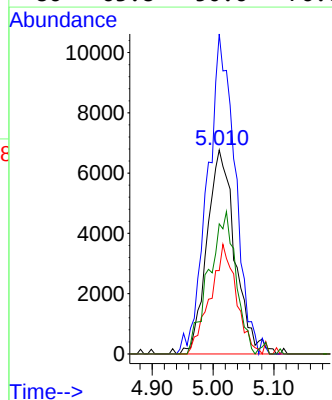
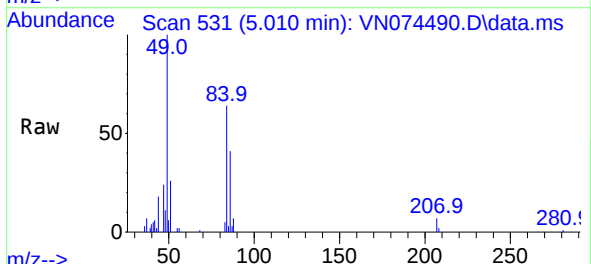
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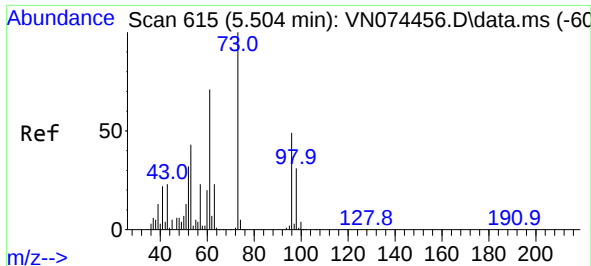
Tgt Ion: 43 Resp: 16560
Ion Ratio Lower Upper
43 100
74 20.4 21.6 32.4#



#20
Methylene Chloride
Concen: 3.491 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 84 Resp: 21630
Ion Ratio Lower Upper
84 100
49 156.8 88.3 132.5#
51 40.9 28.2 42.2
86 63.8 50.6 76.0

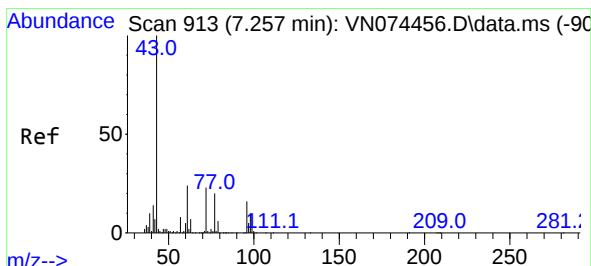
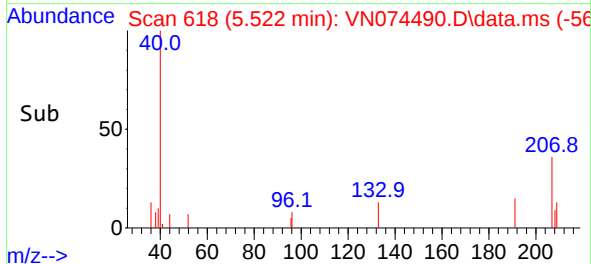
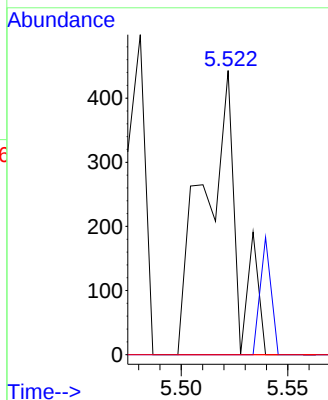
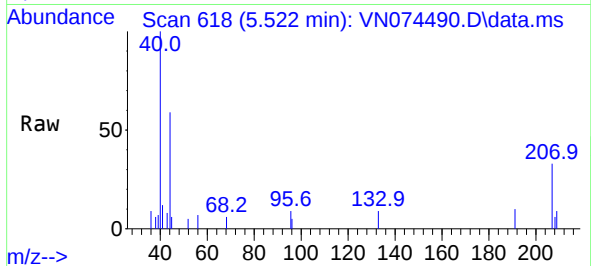




#21
trans-1,2-Dichloroethene
Concen: 0.517 ug/l
RT: 5.522 min Scan# 615
Delta R.T. 0.018 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

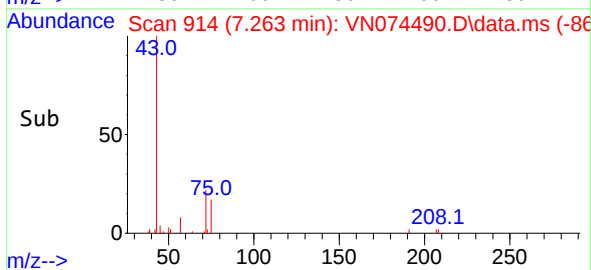
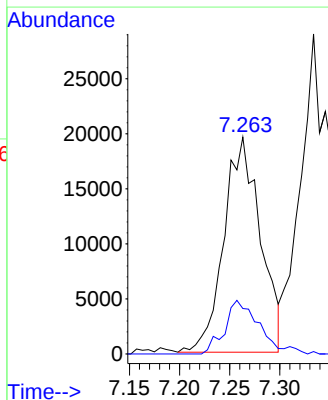
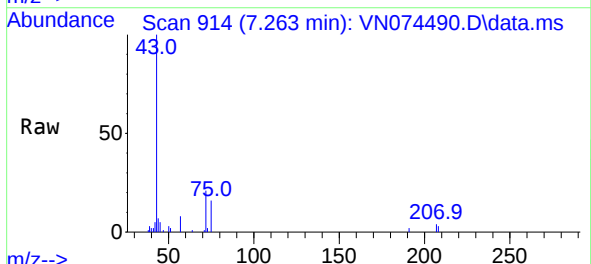
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

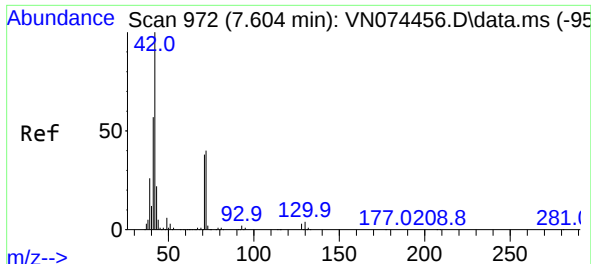
Tgt Ion: 96 Resp: 483
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 7.289 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 43 Resp: 49523
Ion Ratio Lower Upper
43 100
72 21.1 23.7 35.5#

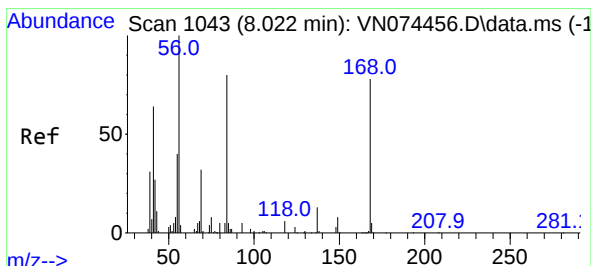
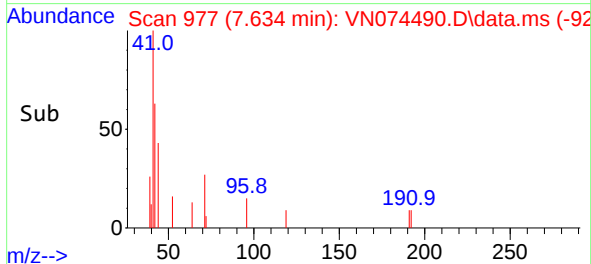
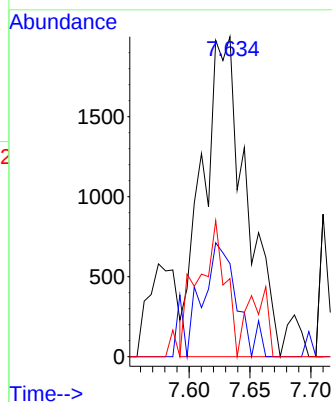
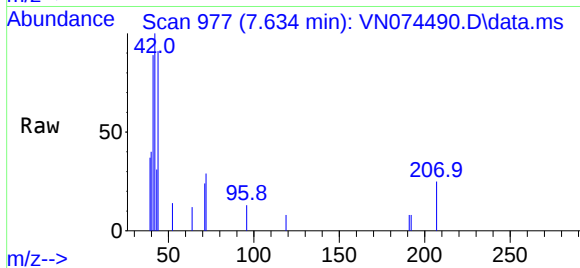




#29
Tetrahydrofuran
Concen: 1.109 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.030 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

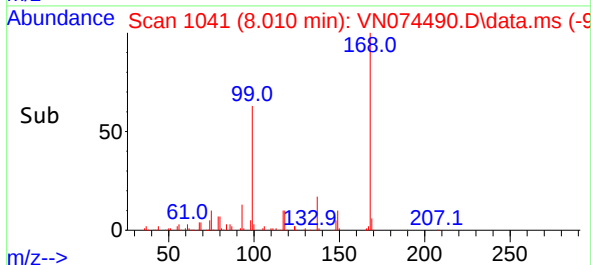
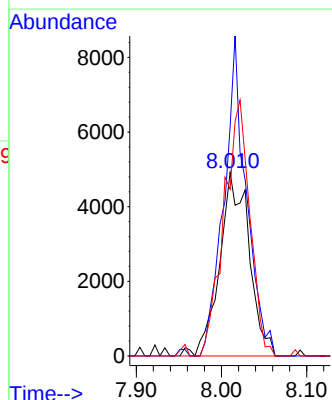
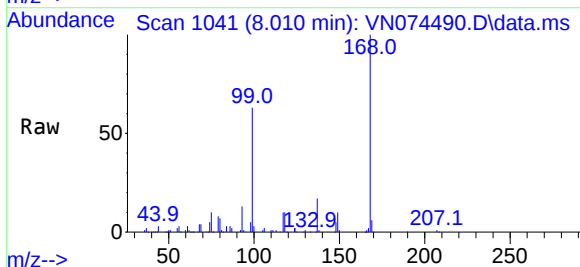
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

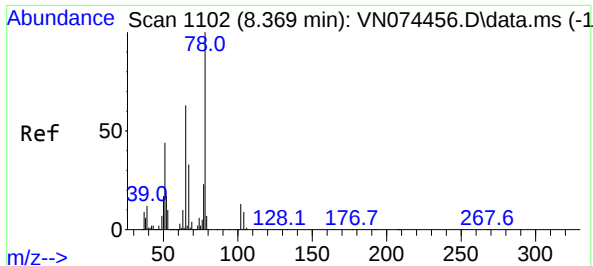
Tgt Ion: 42 Resp: 4955
Ion Ratio Lower Upper
42 100
72 30.5 39.7 59.5#
71 28.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 56 Resp: 11860
Ion Ratio Lower Upper
56 100
69 124.8 27.8 41.8#
84 91.0 76.9 115.3

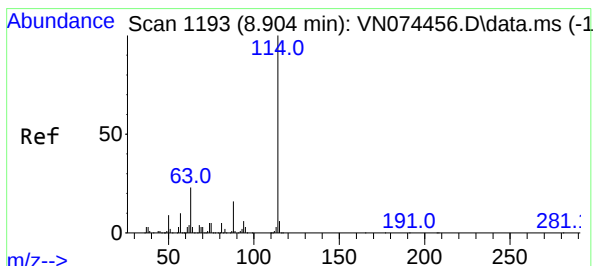
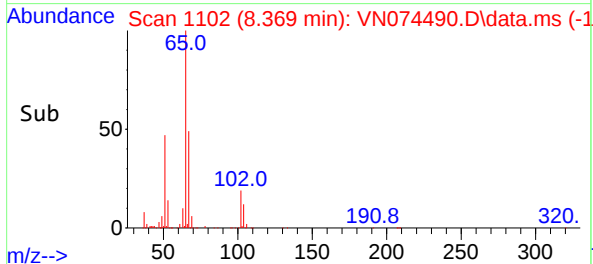
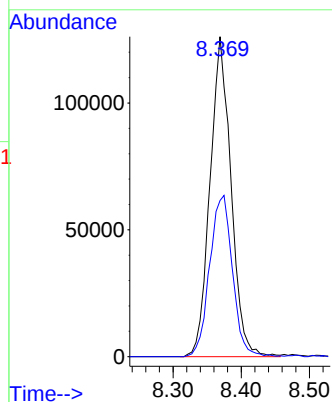
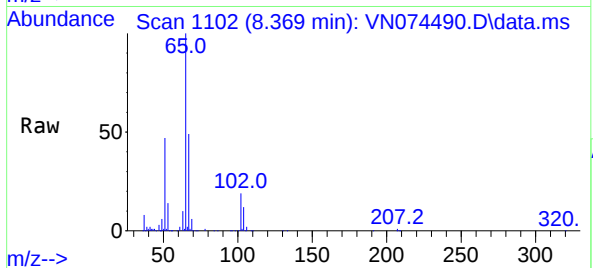




#33
1,2-Dichloroethane-d4
Concen: 42.285 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

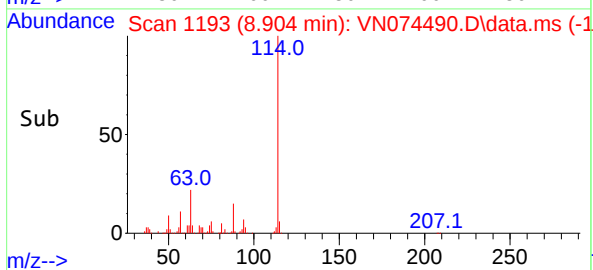
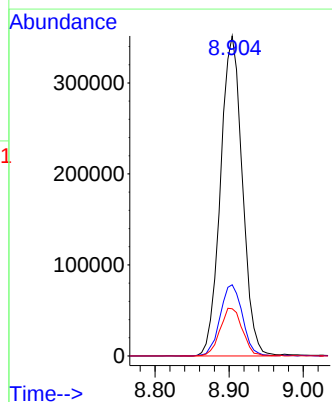
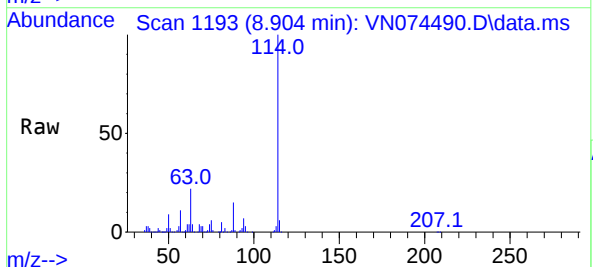
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

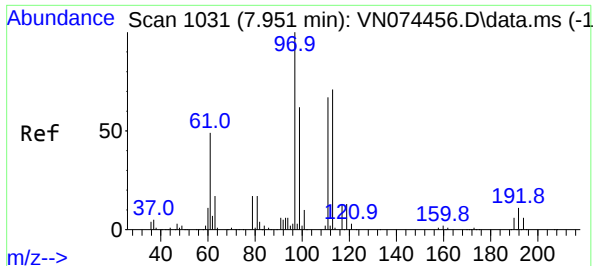
Tgt Ion: 65 Resp: 270409
Ion Ratio Lower Upper
65 100
67 54.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion:114 Resp: 720056
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.0
88 14.7 0.0 32.6

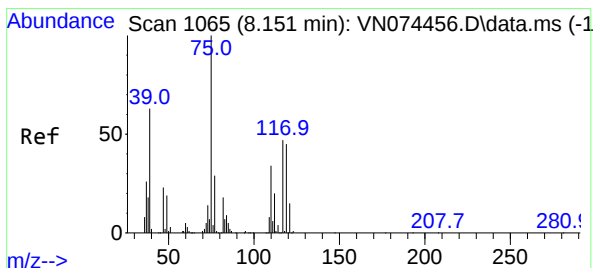
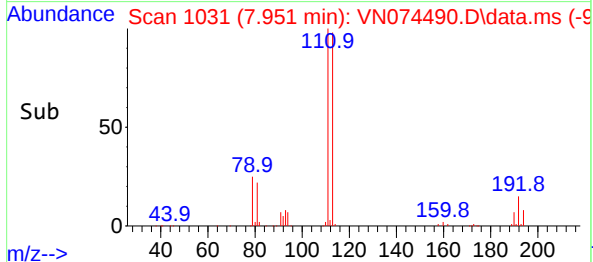
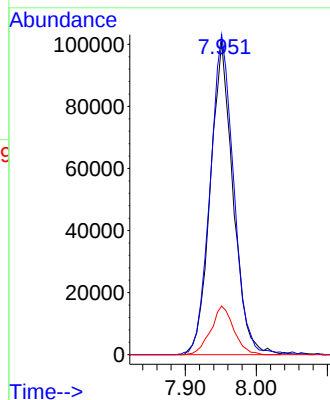
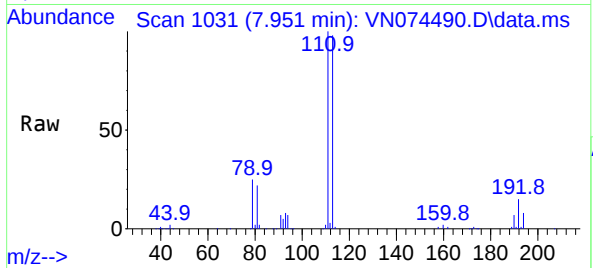




#35
Dibromofluoromethane
Concen: 46.927 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

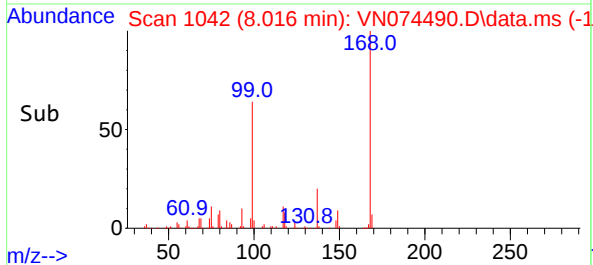
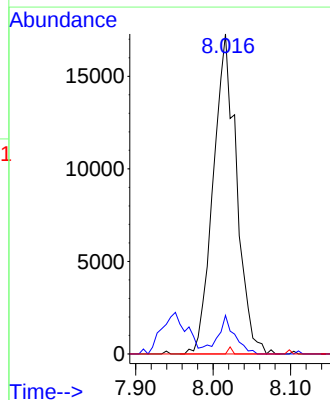
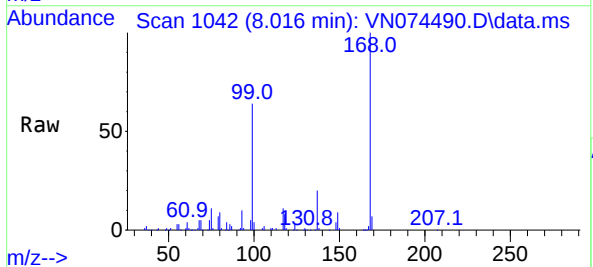
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

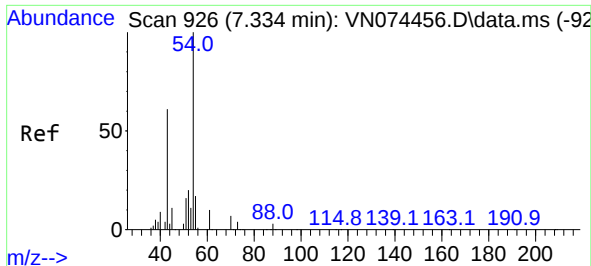
Tgt Ion:113 Resp: 224460
Ion Ratio Lower Upper
113 100
111 105.5 81.4 122.0
192 15.7 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 75 Resp: 36213
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.4 25.1 37.7#

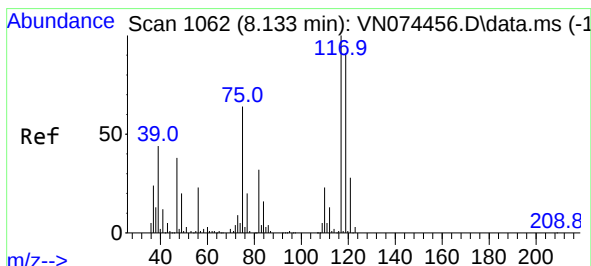
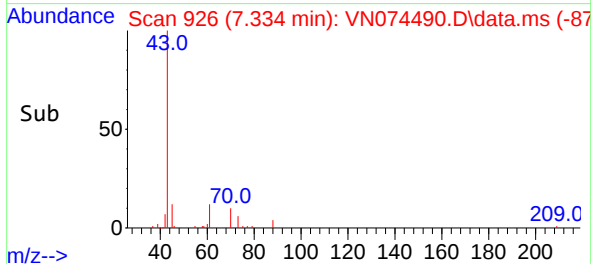
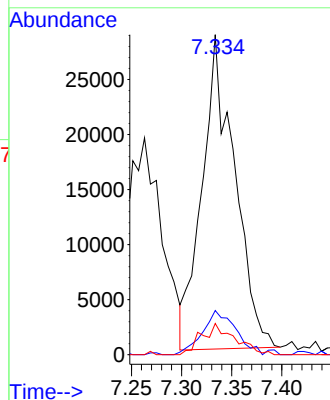
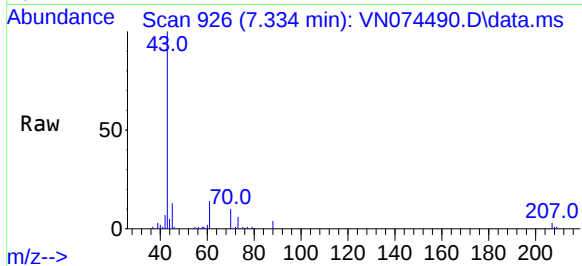




#37
Ethyl Acetate
Concen: 4.931 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

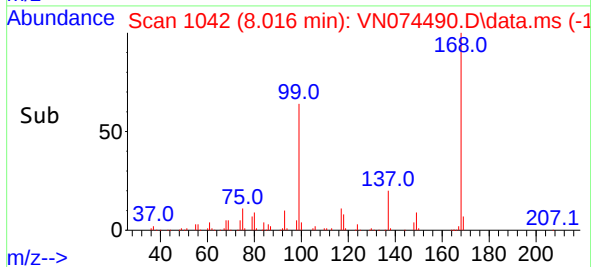
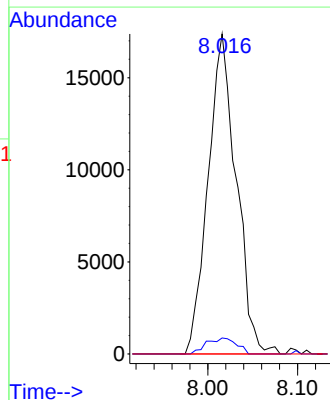
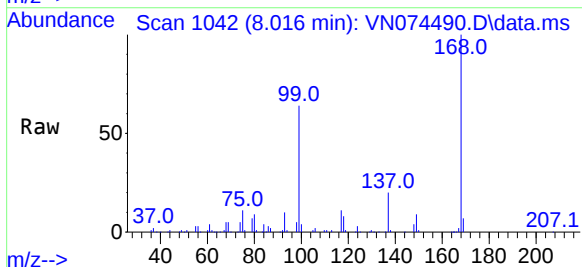
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

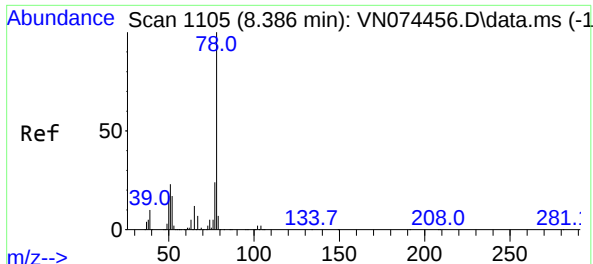
Tgt Ion: 43 Resp: 64477
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 10.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 4.849 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 117 Resp: 37901
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

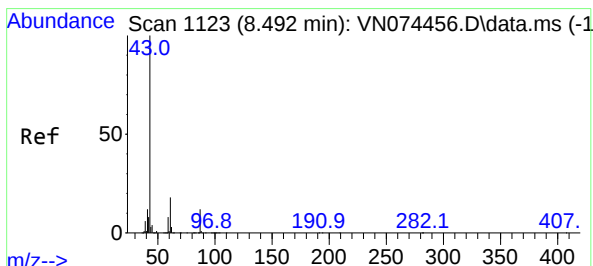
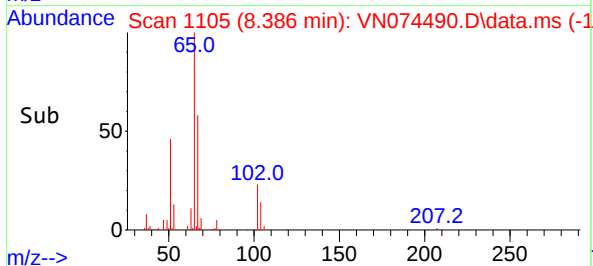
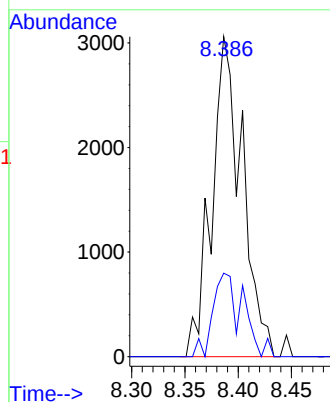
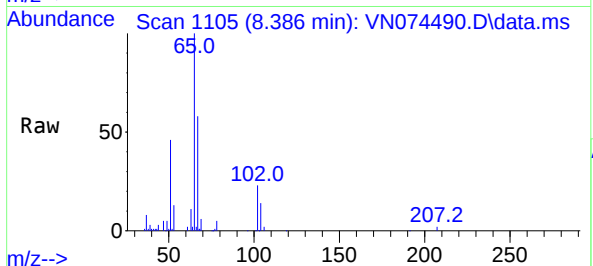




#40
Benzene
Concen: 0.233 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

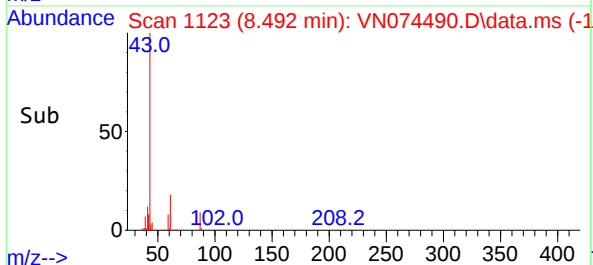
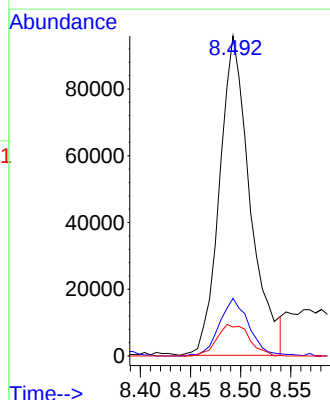
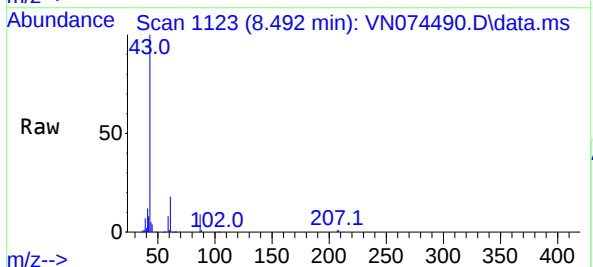
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

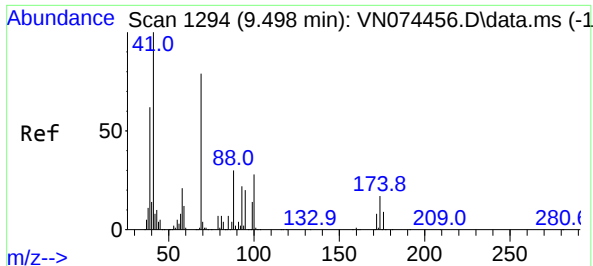
Tgt Ion: 78 Resp: 6095
Ion Ratio Lower Upper
78 100
77 26.1 19.4 29.0



#43
Isopropyl Acetate
Concen: 9.934 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 43 Resp: 203449
Ion Ratio Lower Upper
43 100
61 17.5 21.9 32.9#
87 10.4 12.0 18.0#

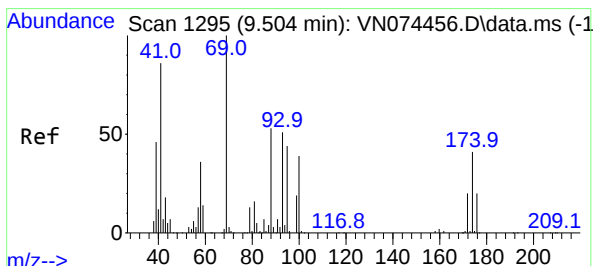
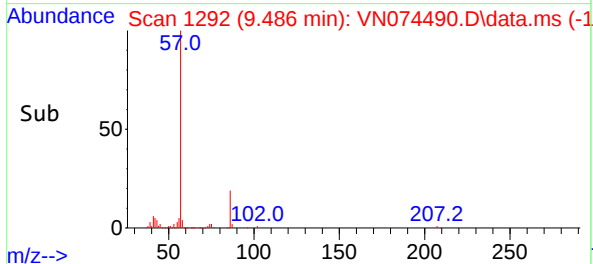
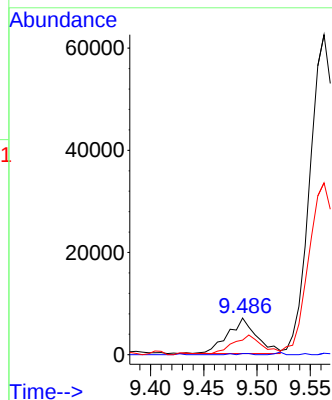
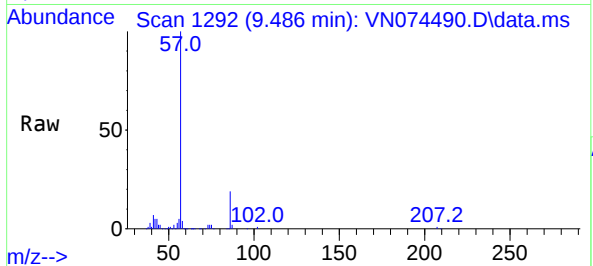




#48
Methyl methacrylate
Concen: 1.448 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

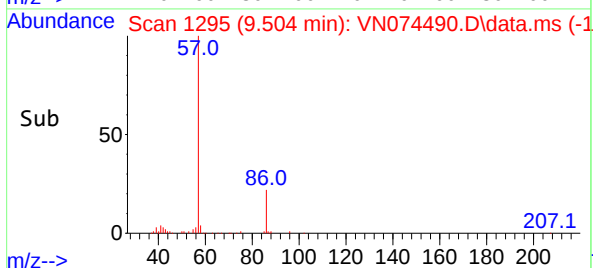
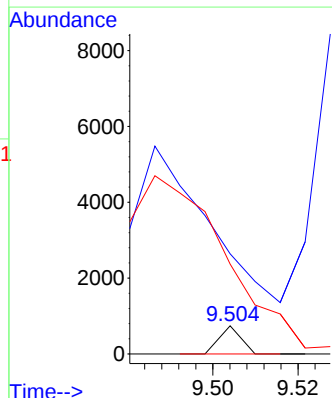
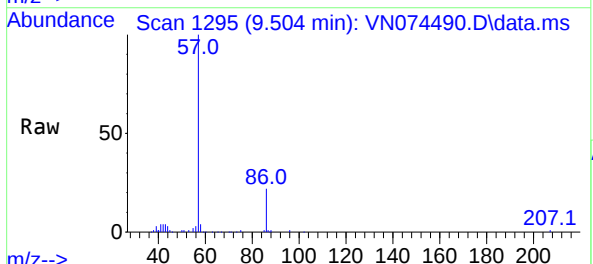
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

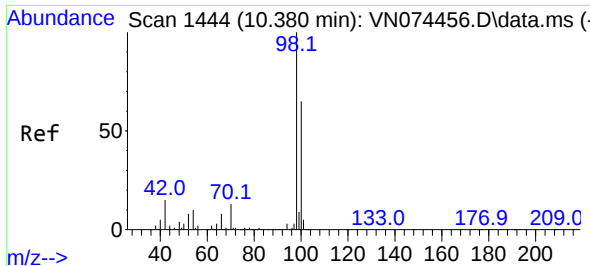
Tgt Ion: 41 Resp: 13153
Ion Ratio Lower Upper
41 100
69 1.6 74.7 112.1#
39 49.7 45.6 68.4



#49
1,4-Dioxane
Concen: 1.501 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 88 Resp: 262
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

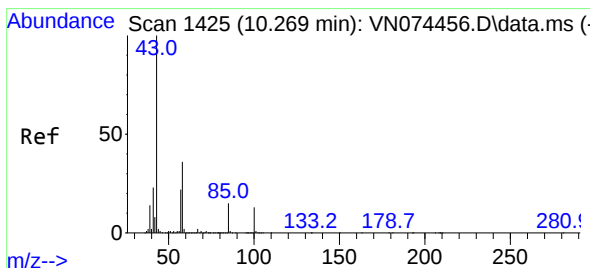
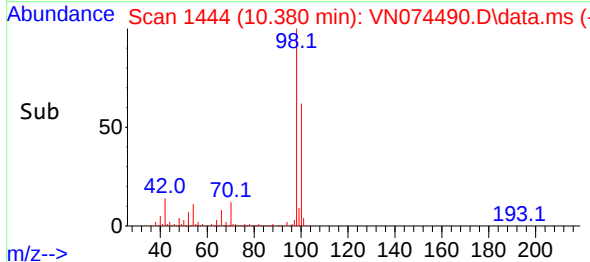
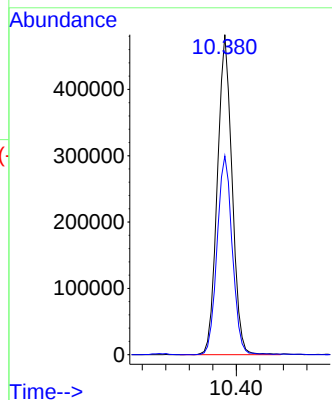
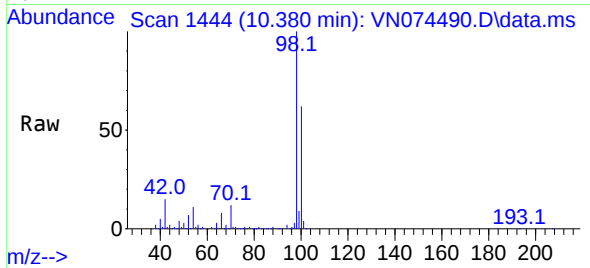




#50
Toluene-d8
Concen: 45.264 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

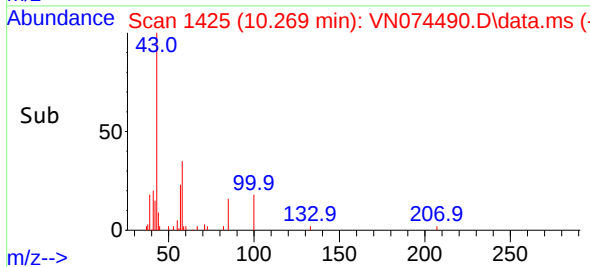
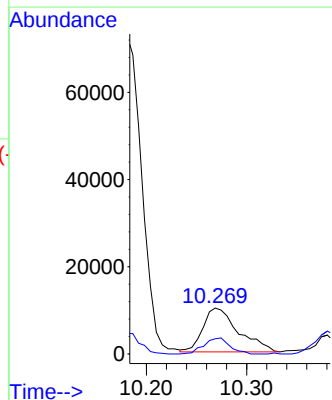
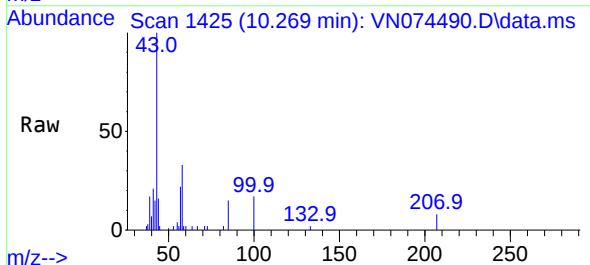
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

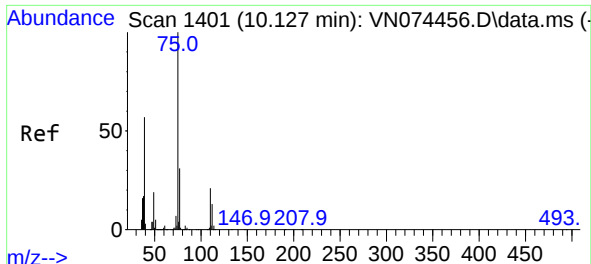
Tgt Ion: 98 Resp: 837311
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.847 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 43 Resp: 24698
Ion Ratio Lower Upper
43 100
58 26.6 34.1 51.1#

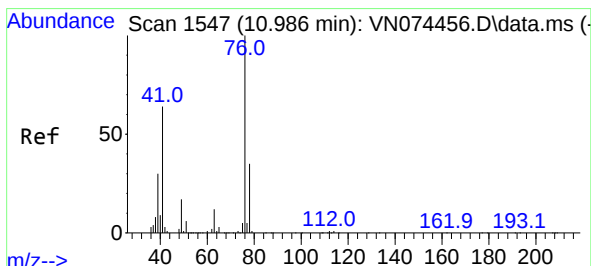
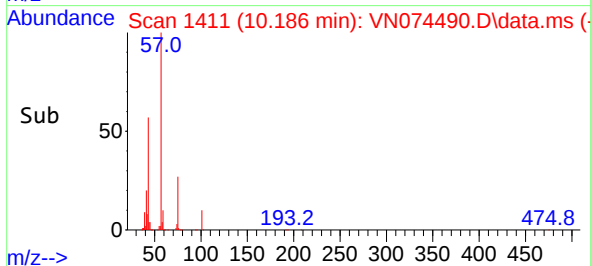
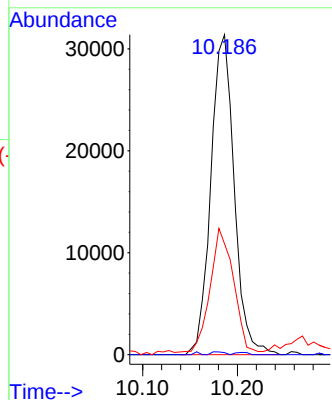
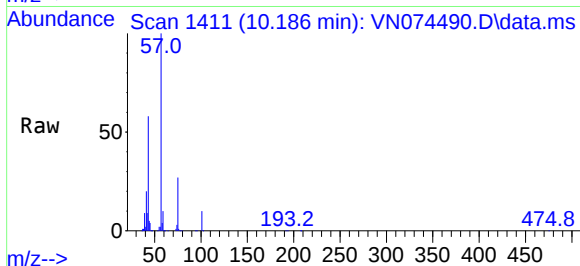




#54
cis-1,3-Dichloropropene
Concen: 4.891 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

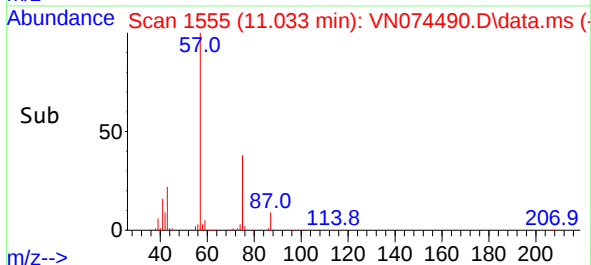
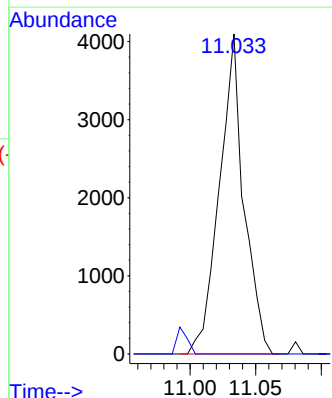
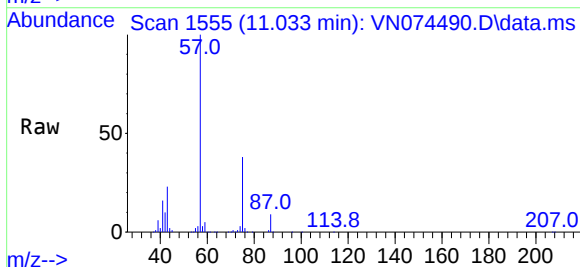
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

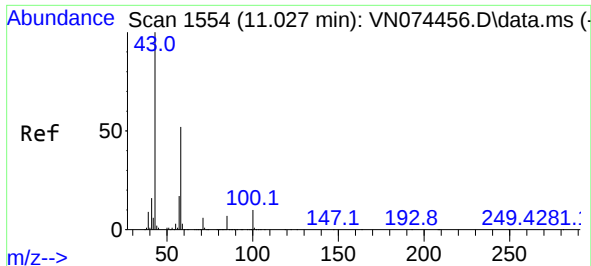
Tgt Ion: 75 Resp: 53893
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 33.8 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 0.466 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 76 Resp: 5310
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

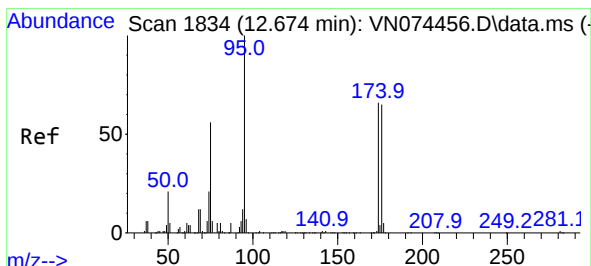
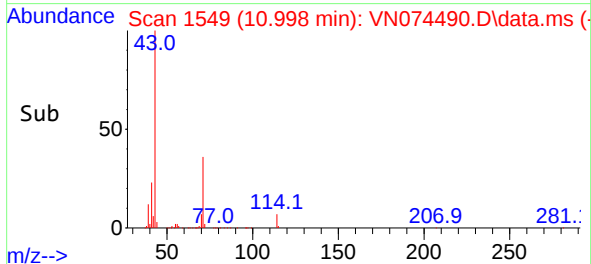
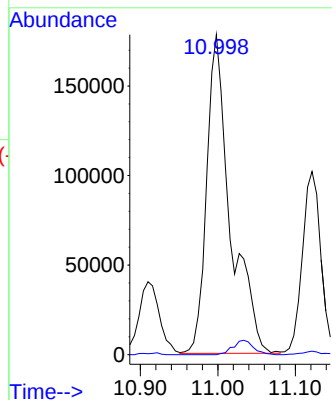
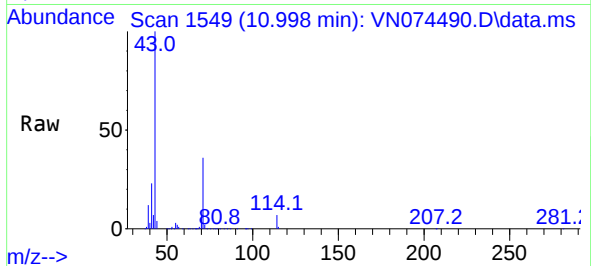




#59
2-Hexanone
Concen: 37.111 ug/l
RT: 10.998 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

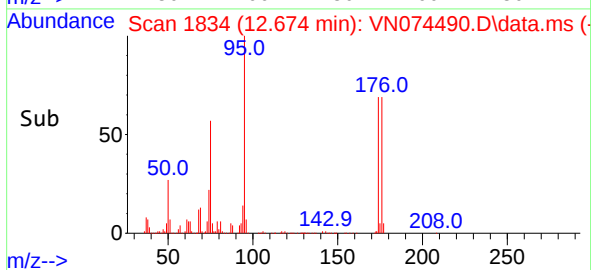
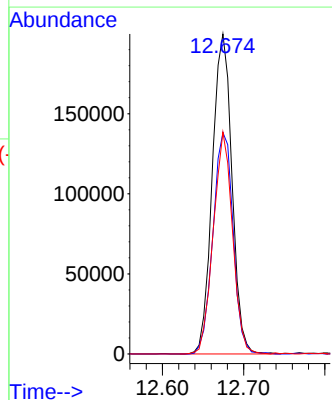
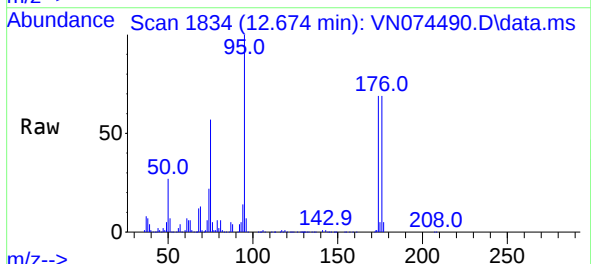
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

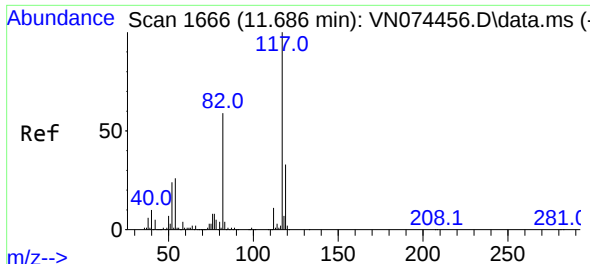
Tgt Ion: 43 Resp: 378891
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.937 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 95 Resp: 335391
Ion Ratio Lower Upper
95 100
174 71.1 0.0 167.6
176 68.0 0.0 163.4

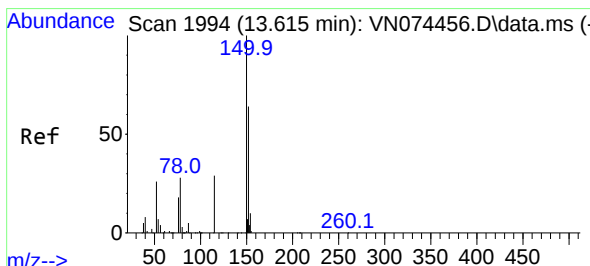
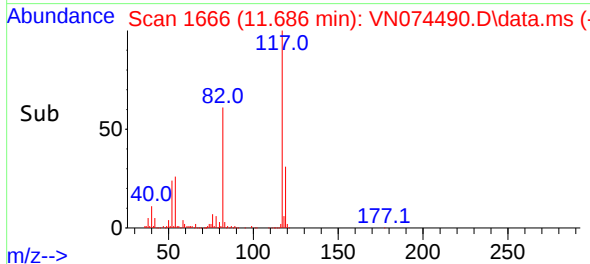
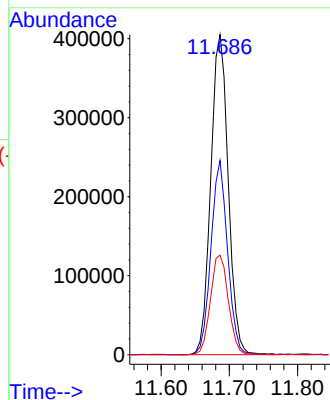
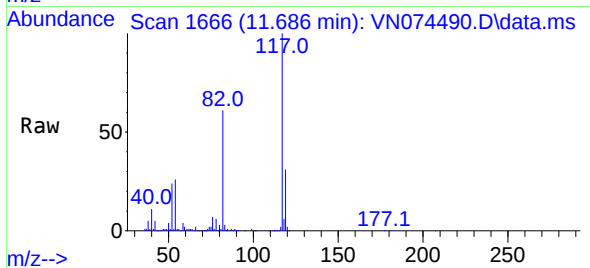




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

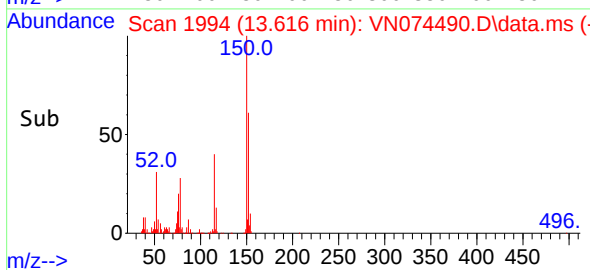
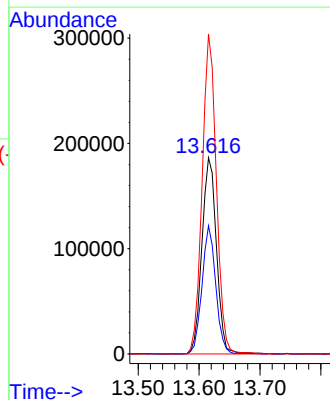
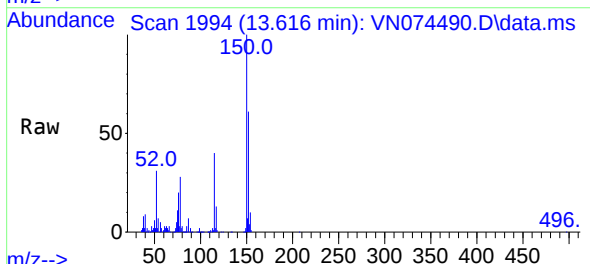
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

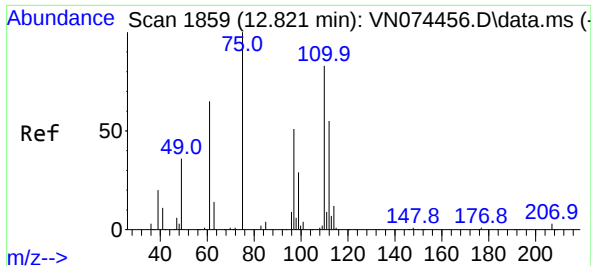
Tgt Ion:117 Resp: 722593
Ion Ratio Lower Upper
117 100
82 60.6 44.2 66.2
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion:152 Resp: 310025
Ion Ratio Lower Upper
152 100
115 61.5 28.9 86.7
150 158.8 0.0 356.2

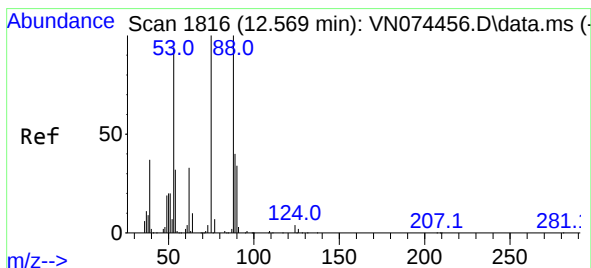
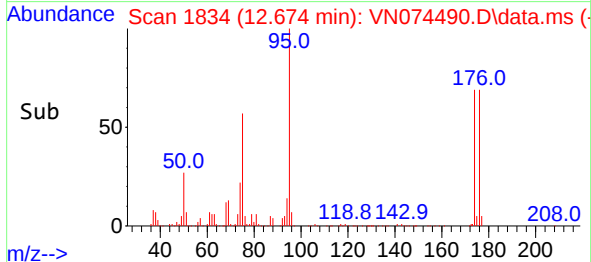
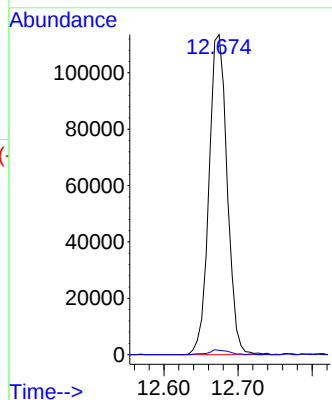
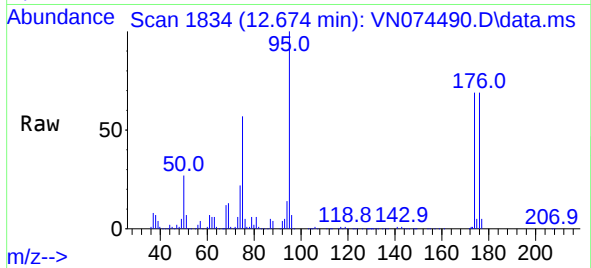




#76
1,2,3-Trichloropropane
Concen: 20.295 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

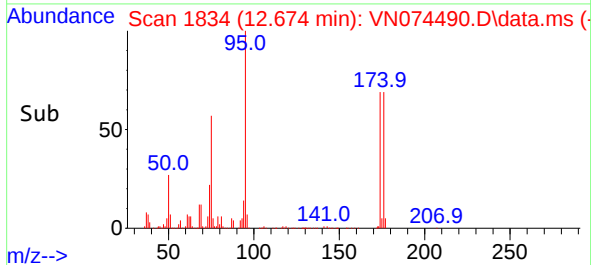
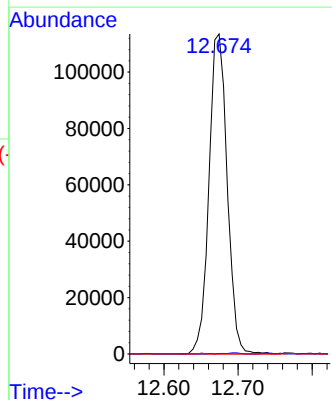
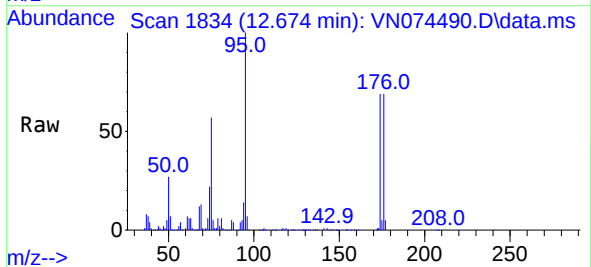
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

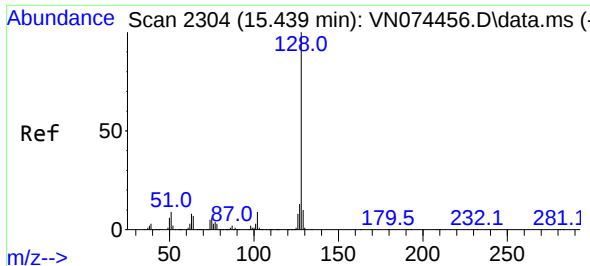
Tgt Ion: 75 Resp: 193673
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.803 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion: 75 Resp: 193673
Ion Ratio Lower Upper
75 100
53 0.3 78.0 117.0#
89 0.0 37.2 55.8#

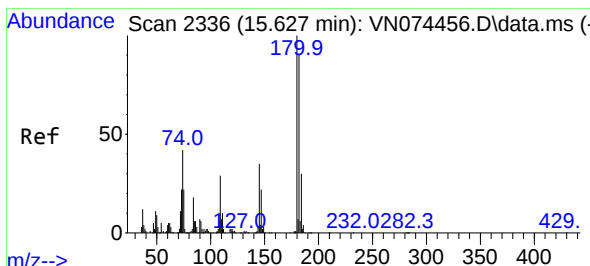
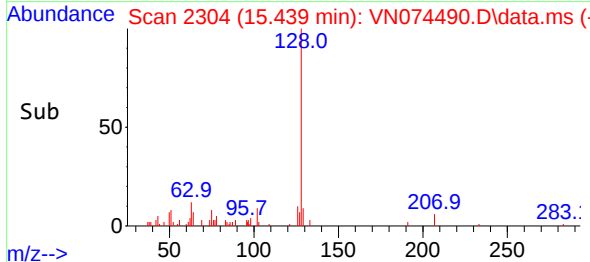
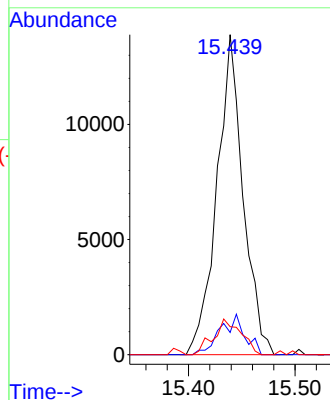
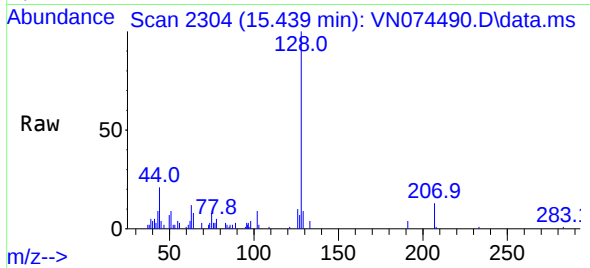




#95
Naphthalene
Concen: 2.456 ug/l
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-4-GR

Tgt Ion:	128	Resp:	23762
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.3	15.5
129	11.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.348 ug/l
RT: 15.804 min Scan# 2366
Delta R.T. 0.177 min
Lab File: VN074490.D
Acq: 16 Sep 2022 03:41

Tgt Ion:	180	Resp:	77
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

