

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074484.D
 Acq On : 16 Sep 2022 01:15
 Operator : JC\MD
 Sample : N4630-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-17-4-3-GR

Quant Time: Sep 16 07:00:21 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)

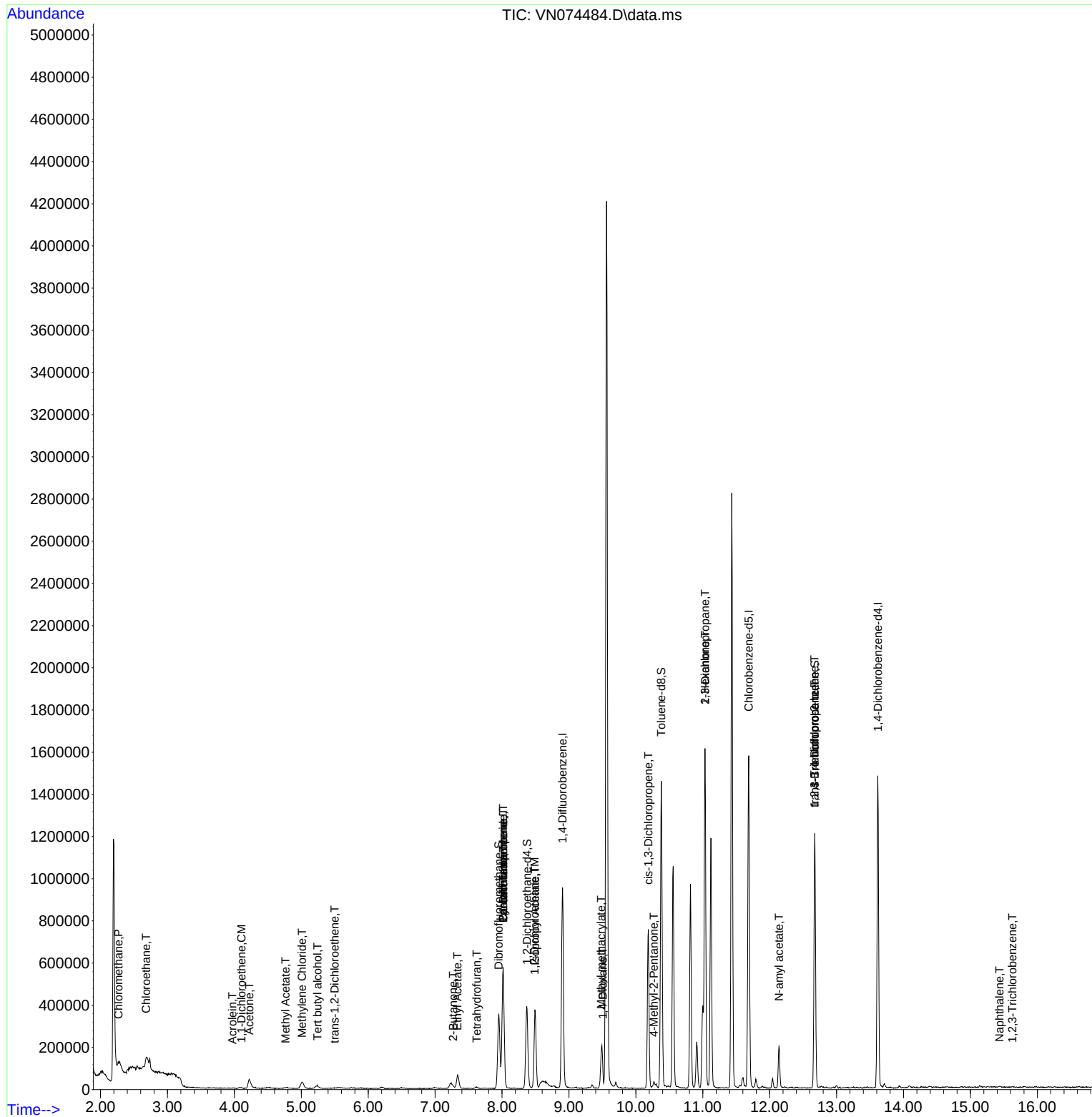
Internal Standards						
1) Pentafluorobenzene	8.016	168	397208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	777599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	817452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	340398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	298075	44.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.460%		
35) Dibromofluoromethane	7.951	113	247049	47.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	10.381	98	918522	45.980	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.960%		
62) 4-Bromofluorobenzene	12.674	95	378310	55.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.580%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1397	0.450	ug/l #	43
6) Chloroethane	2.681	64	26620	5.008	ug/l #	49
11) Tert butyl alcohol	5.240	59	13172	6.000	ug/l #	76
12) 1,1-Dichloroethene	4.104	96	218	0.726	ug/l #	1
13) Acrolein	3.969	56	1154	1.439	ug/l #	32
16) Acetone	4.222	43	79098	18.341	ug/l	89
18) Methyl Acetate	4.763	43	11403	0.851	ug/l #	59
20) Methylene Chloride	5.010	84	21927	3.359	ug/l #	91
21) trans-1,2-Dichloroethene	5.498	96	773	0.562	ug/l #	10
25) 2-Butanone	7.269	43	15932	2.225	ug/l #	89
29) Tetrahydrofuran	7.622	42	6769	1.438	ug/l #	73
31) Cyclohexane	8.016	56	12636	1.056	ug/l #	22
36) 1,1-Dichloropropene	8.016	75	41751	4.566	ug/l #	48
37) Ethyl Acetate	7.334	43	102820	7.282	ug/l	95
38) Carbon Tetrachloride	8.016	117	40664	4.817	ug/l #	16
42) 1,2-Dichloroethane	8.487	62	2726	0.281	ug/l #	74
43) Isopropyl Acetate	8.492	43	446598	20.192	ug/l #	84
48) Methyl methacrylate	9.481	41	13717	1.399	ug/l #	39
49) 1,4-Dioxane	9.504	88	67	0.355	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	23070	1.597	ug/l #	82
54) cis-1,3-Dichloropropene	10.186	75	126803	10.656	ug/l #	64
57) 1,3-Dichloropropane	11.033	76	16008	1.300	ug/l #	42
59) 2-Hexanone	11.033	43	231820	21.026	ug/l #	48
74) N-amyl acetate	12.139	43	68592	3.148	ug/l #	48
76) 1,2,3-Trichloropropane	12.669	75	224104	21.389	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	224104	46.163	ug/l #	10
95) Naphthalene	15.433	128	3912	1.719	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.627	180	464	1.401	ug/l #	70

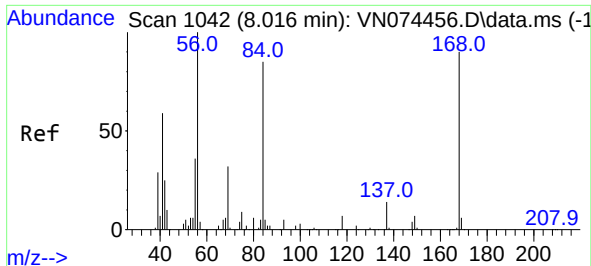
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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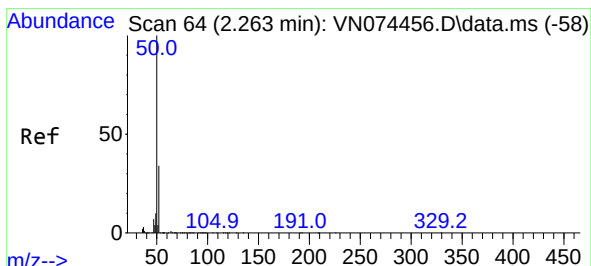
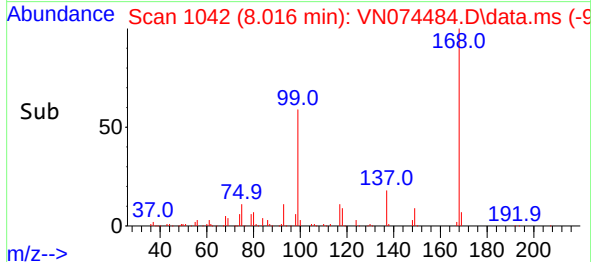
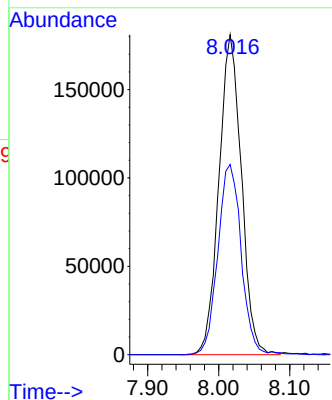
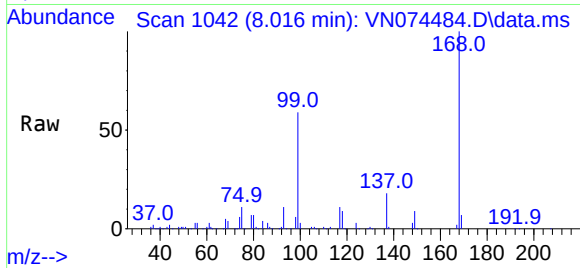




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

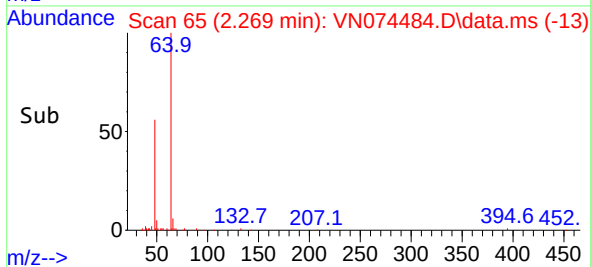
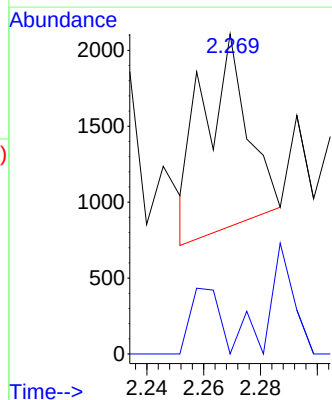
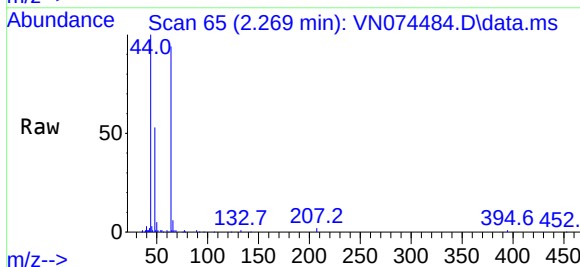
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

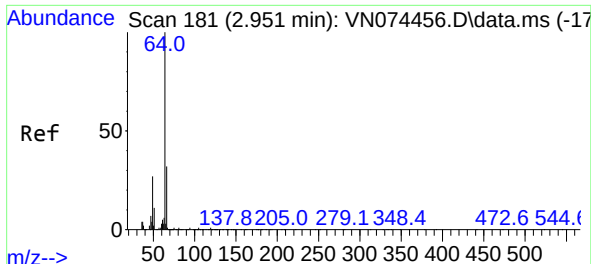
Tgt Ion:168 Resp: 397208
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#3
Chloromethane
Concen: 0.450 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 50 Resp: 1397
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

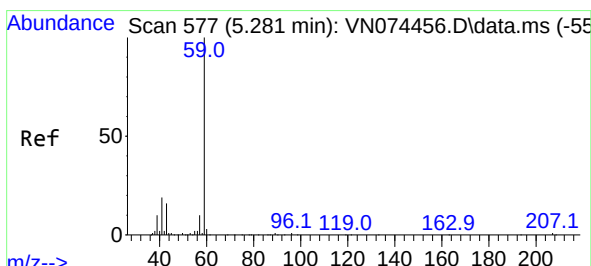
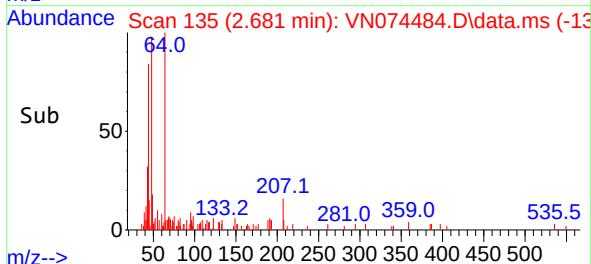
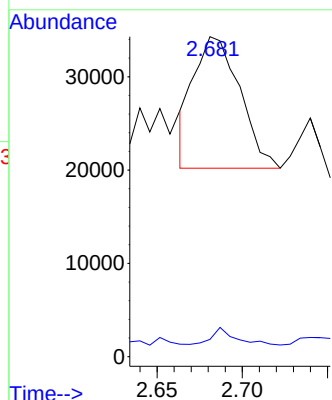
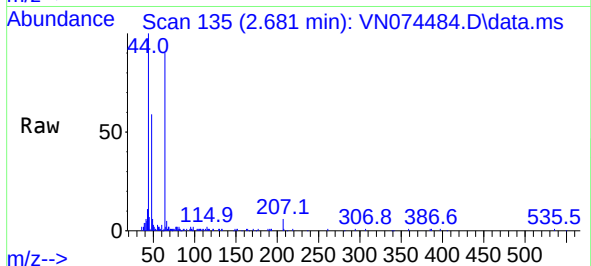




#6
Chloroethane
Concen: 5.008 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.270 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

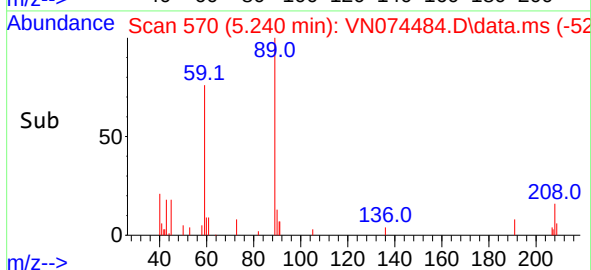
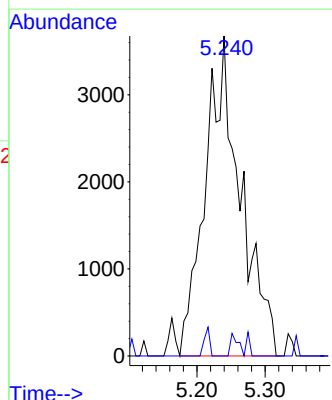
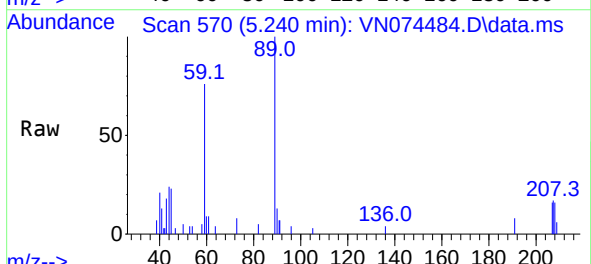
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

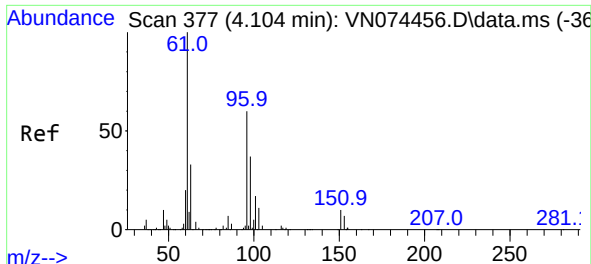
Tgt Ion: 64 Resp: 26620
Ion Ratio Lower Upper
64 100
66 4.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 6.000 ug/l
RT: 5.240 min Scan# 570
Delta R.T. -0.041 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 59 Resp: 13172
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

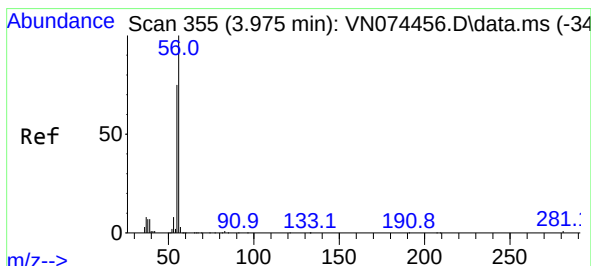
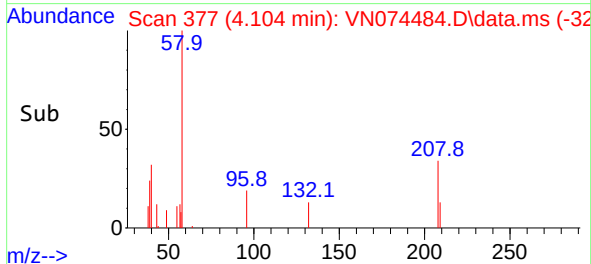
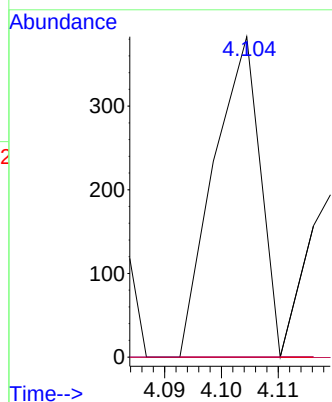
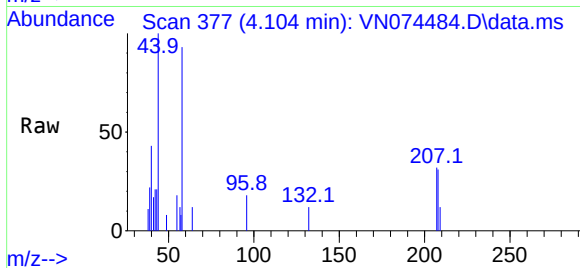




#12
1,1-Dichloroethene
Concen: 0.726 ug/l
RT: 4.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

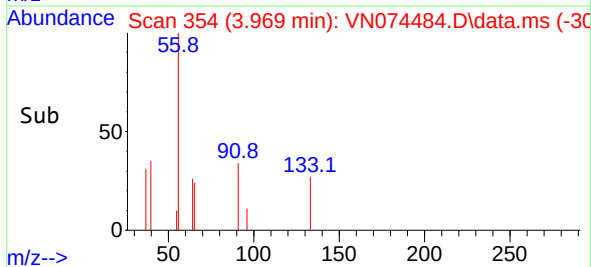
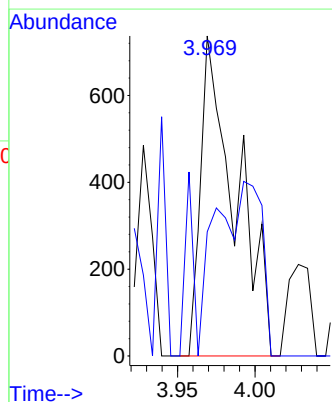
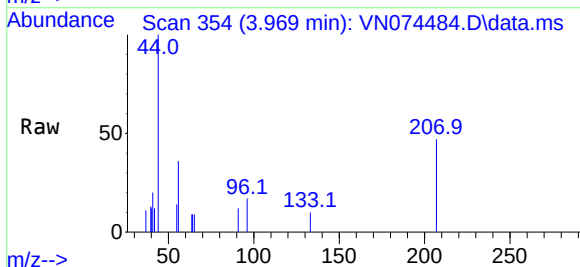
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

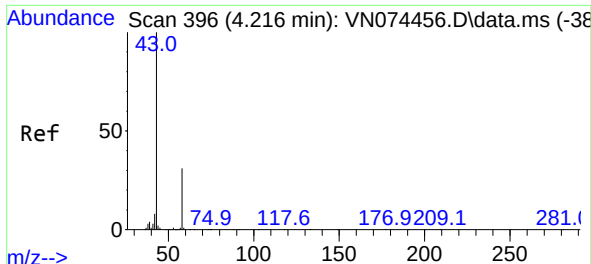
Tgt Ion: 96 Resp: 218
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 1.439 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 56 Resp: 1154
Ion Ratio Lower Upper
56 100
55 13.0 54.8 82.2#

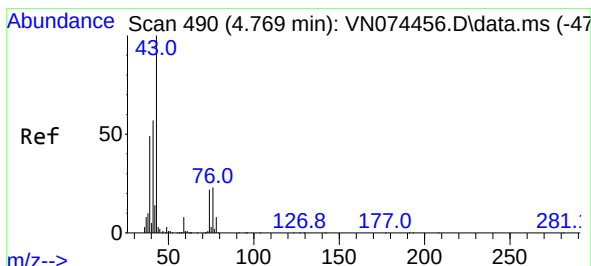
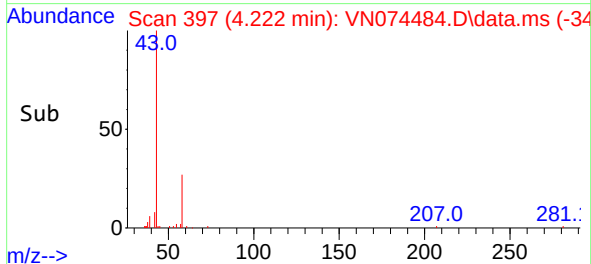
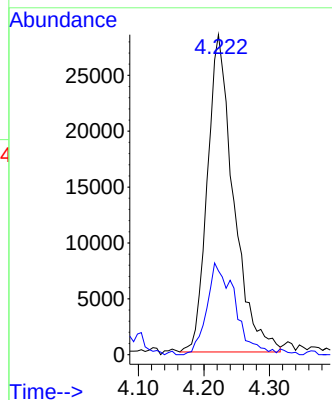
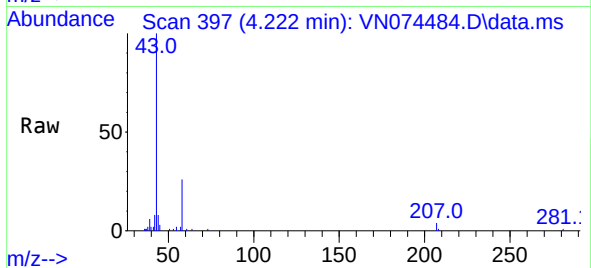




#16
Acetone
Concen: 18.341 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

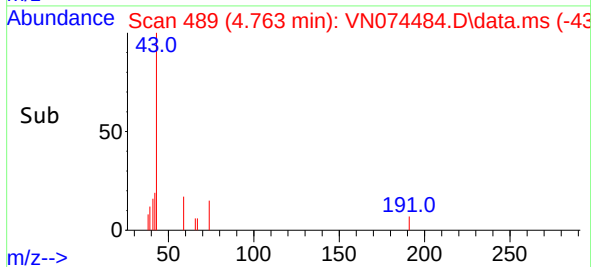
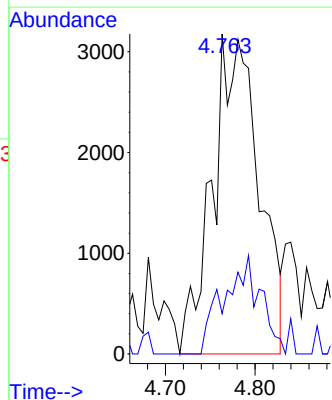
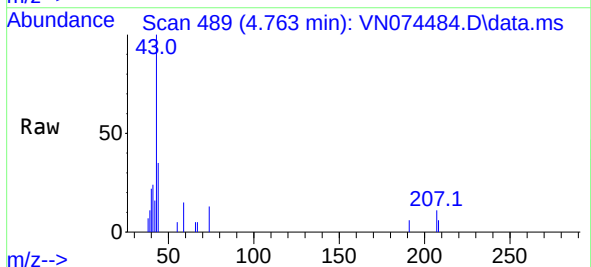
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

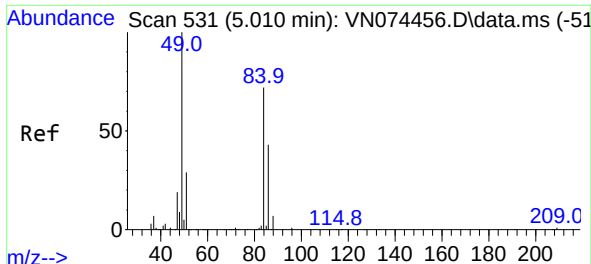
Tgt Ion: 43 Resp: 79098
Ion Ratio Lower Upper
43 100
58 26.4 26.0 39.0



#18
Methyl Acetate
Concen: 0.851 ug/l
RT: 4.763 min Scan# 489
Delta R.T. -0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 43 Resp: 11403
Ion Ratio Lower Upper
43 100
74 5.6 21.6 32.4#





#20

Methylene Chloride

Concen: 3.359 ug/l

RT: 5.010 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

Instrument :

MSVOA_N

ClientSampleId :

WC-17-4-3-GR

Tgt Ion: 84 Resp: 21927

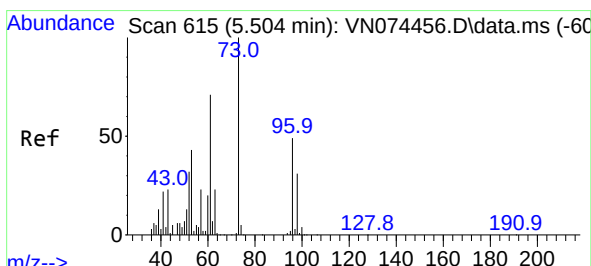
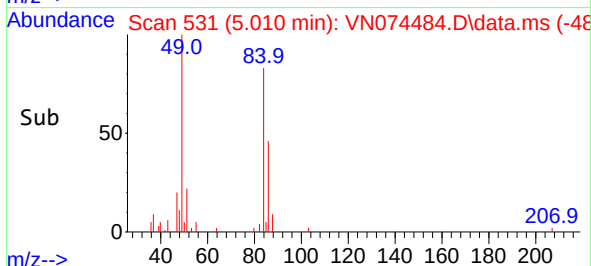
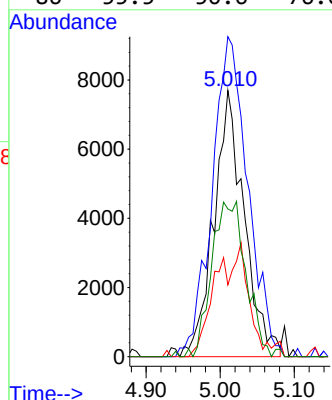
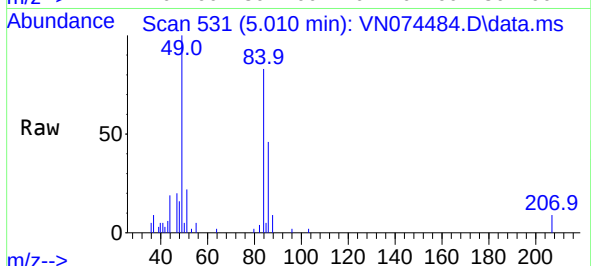
Ion Ratio Lower Upper

84 100

49 116.9 88.3 132.5

51 27.0 28.2 42.2#

86 55.5 50.6 76.0



#21

trans-1,2-Dichloroethene

Concen: 0.562 ug/l

RT: 5.498 min Scan# 614

Delta R.T. -0.006 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

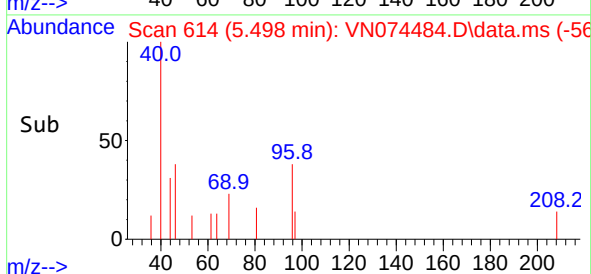
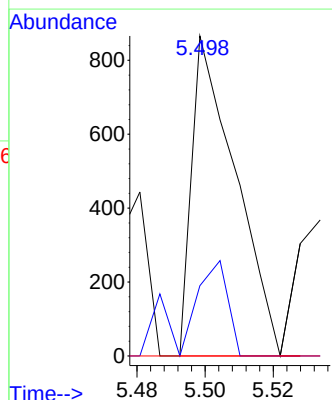
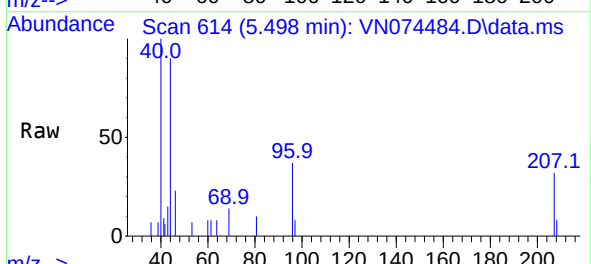
Tgt Ion: 96 Resp: 773

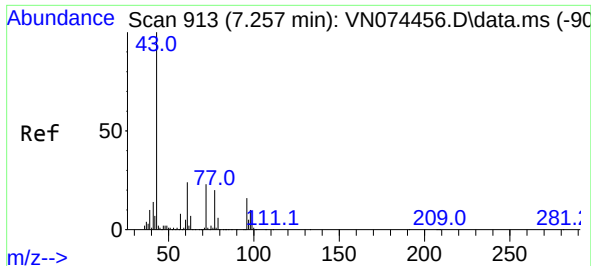
Ion Ratio Lower Upper

96 100

61 21.9 105.8 158.8#

98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 2.225 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

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ClientSampleId :

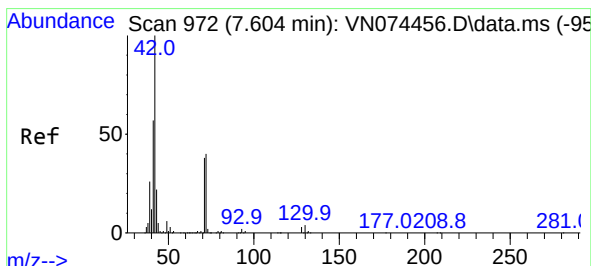
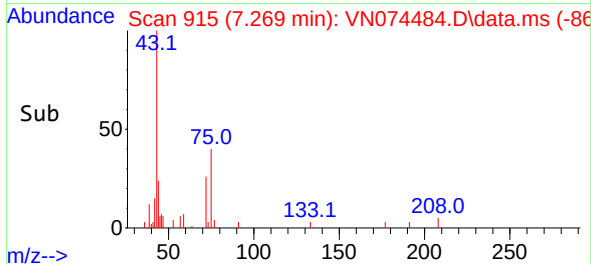
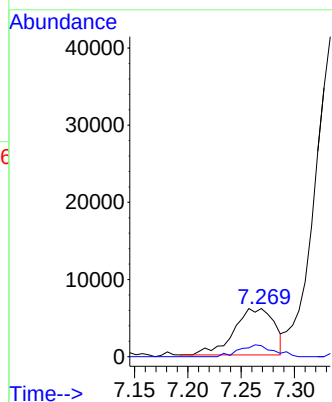
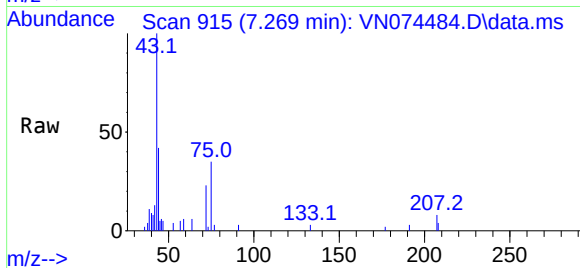
WC-17-4-3-GR

Tgt Ion: 43 Resp: 15932

Ion Ratio Lower Upper

43 100

72 23.7 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.018 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

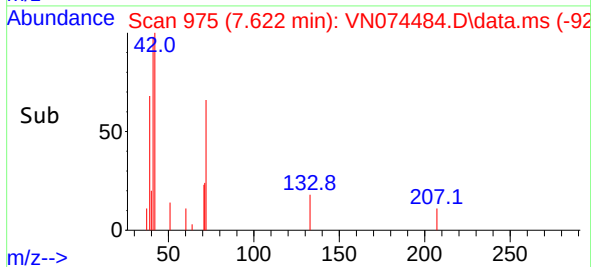
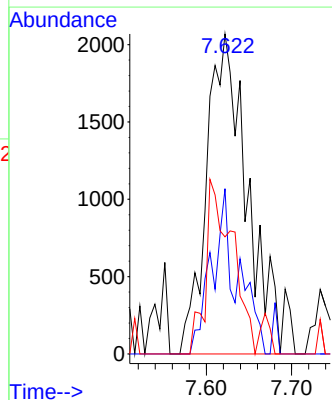
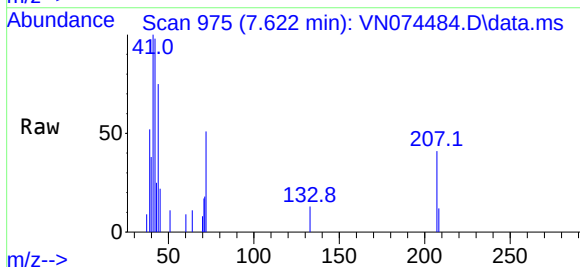
Tgt Ion: 42 Resp: 6769

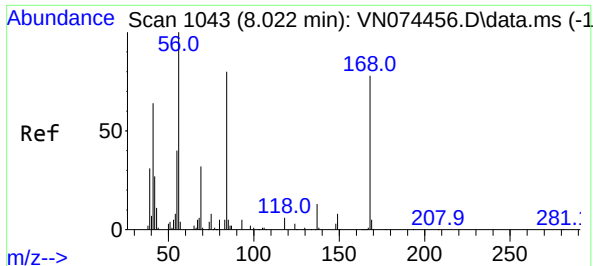
Ion Ratio Lower Upper

42 100

72 23.3 39.7 59.5#

71 36.2 36.6 55.0#





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

Instrument :

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ClientSampleId :

WC-17-4-3-GR

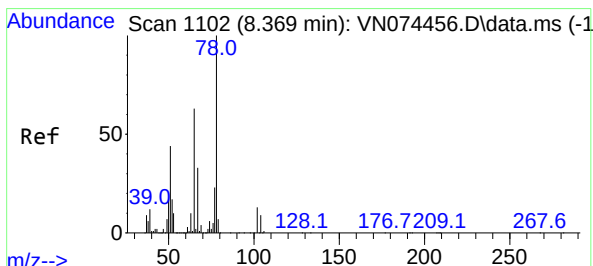
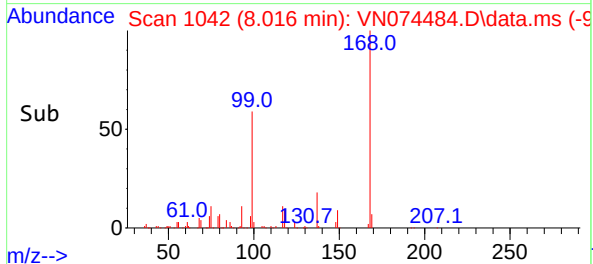
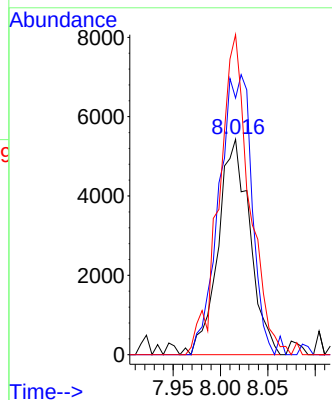
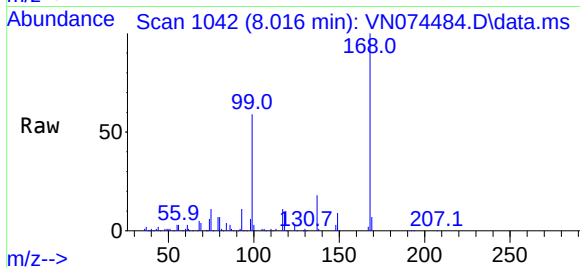
Tgt Ion: 56 Resp: 12636

Ion Ratio Lower Upper

56 100

69 119.2 27.8 41.8#

84 148.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 44.227 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074484.D

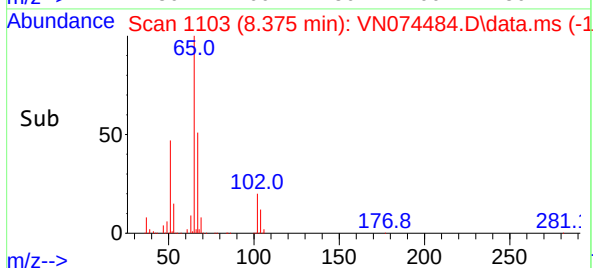
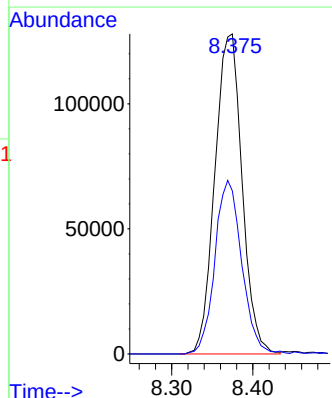
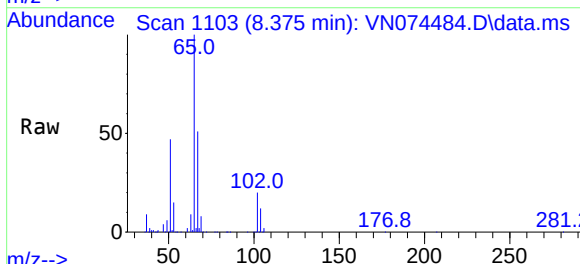
Acq: 16 Sep 2022 01:15

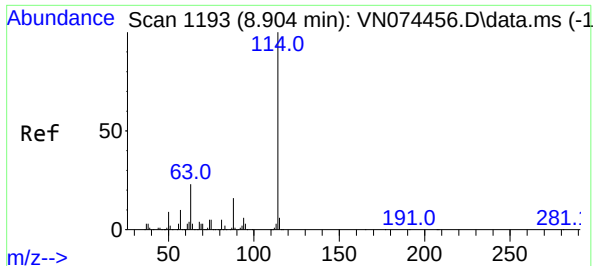
Tgt Ion: 65 Resp: 298075

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



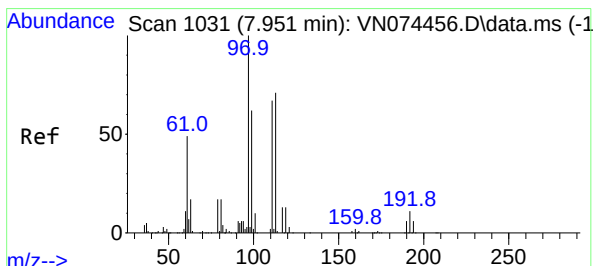
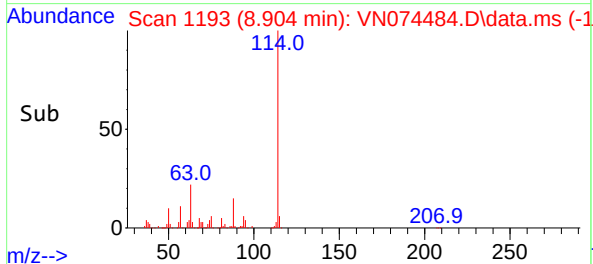
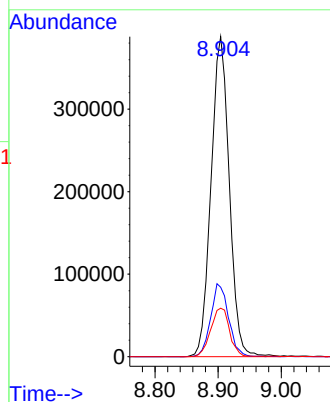
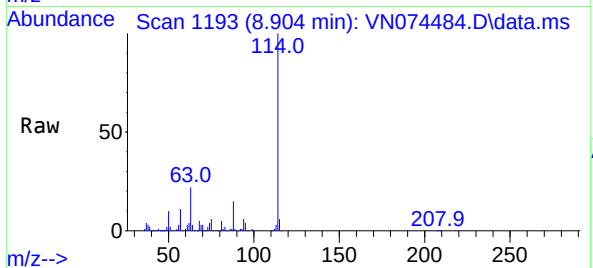


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

Tgt Ion:114 Resp: 777599

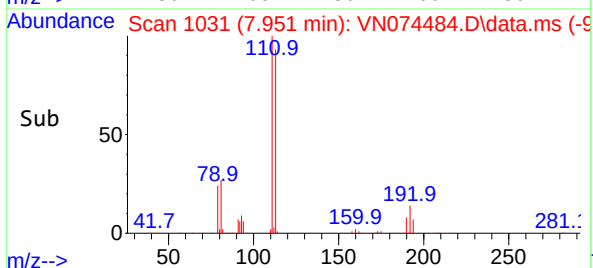
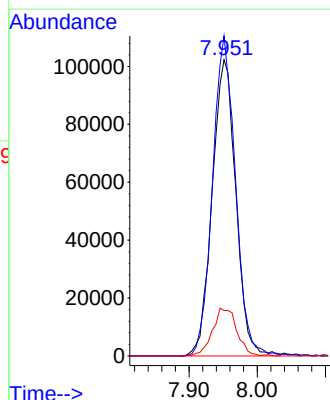
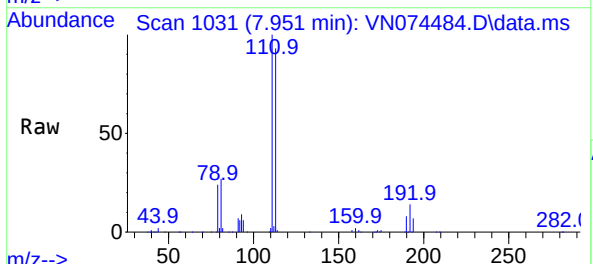
Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	40.0
88	15.2	0.0	32.6

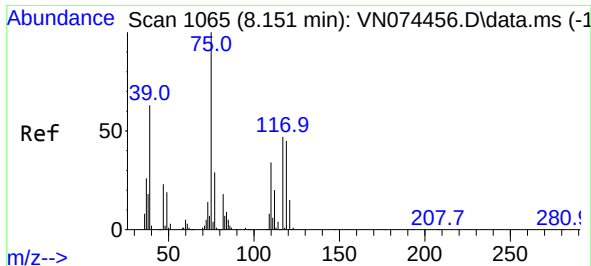


#35
Dibromofluoromethane
Concen: 47.827 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion:113 Resp: 247049

Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.4	122.0
192	16.6	17.0	25.6#

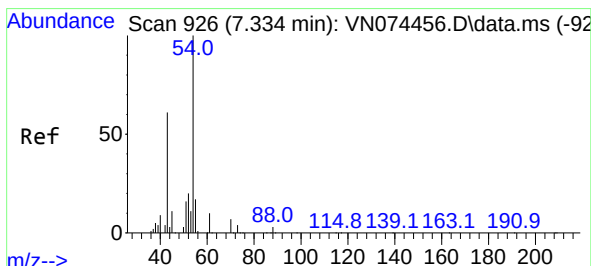
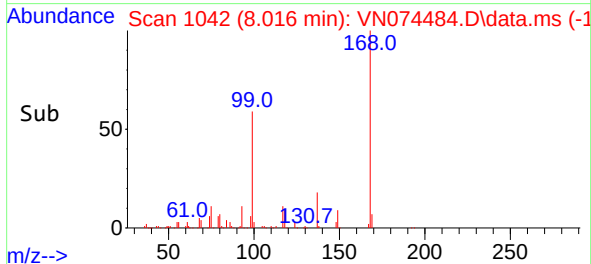
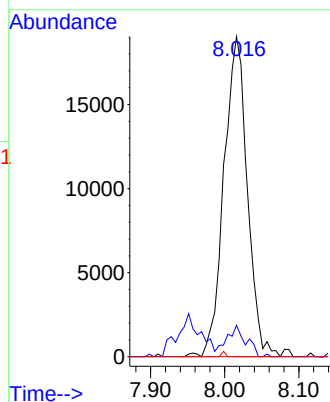
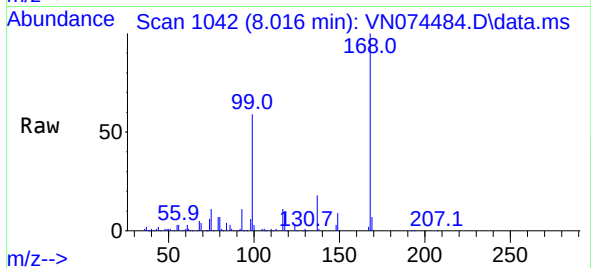




#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

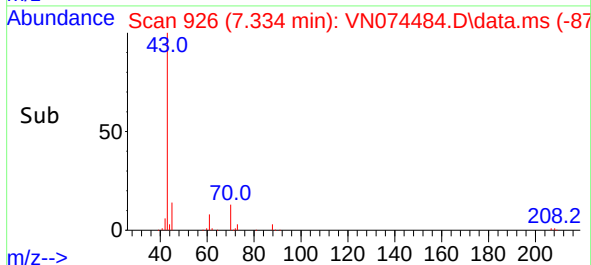
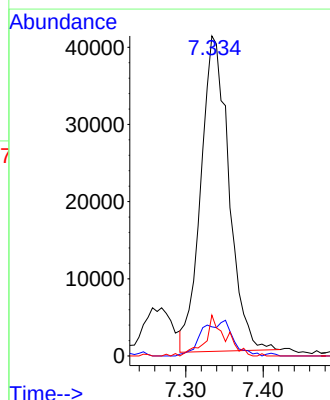
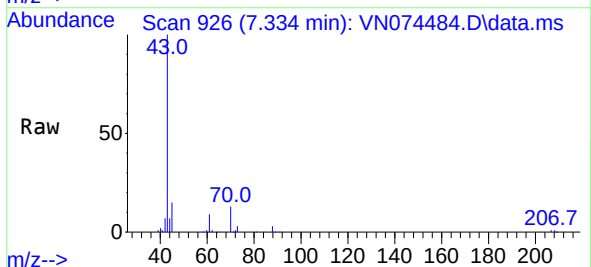
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

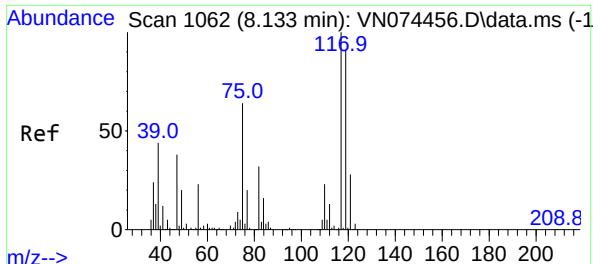
Tgt Ion: 75 Resp: 41751
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.3 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.282 ug/l
RT: 7.334 min Scan# 926
Delta R.T. -0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 43 Resp: 102820
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 9.5 9.3 13.9

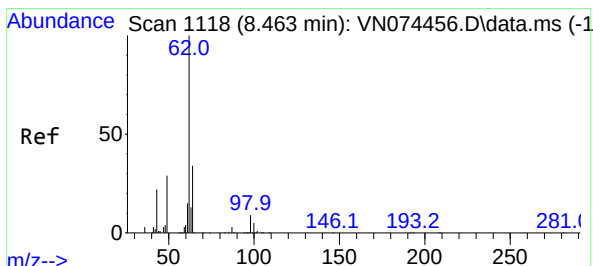
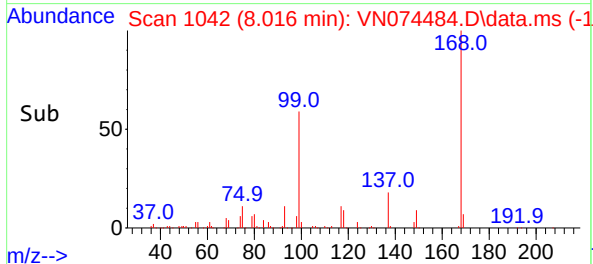
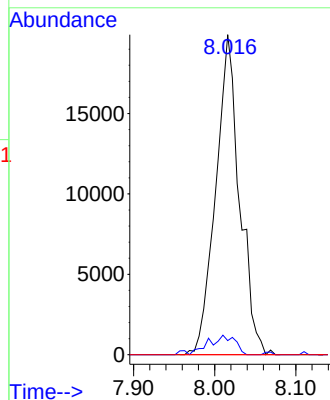
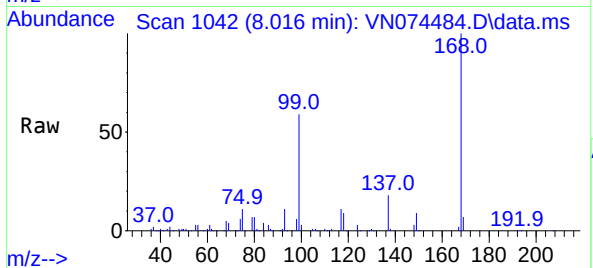




#38
Carbon Tetrachloride
Concen: 4.817 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

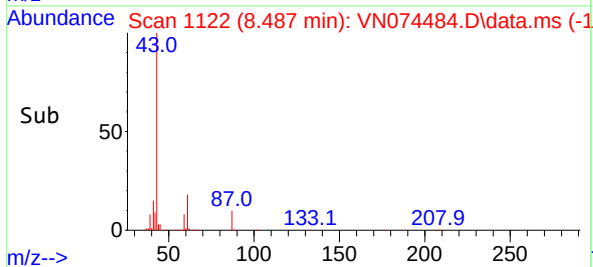
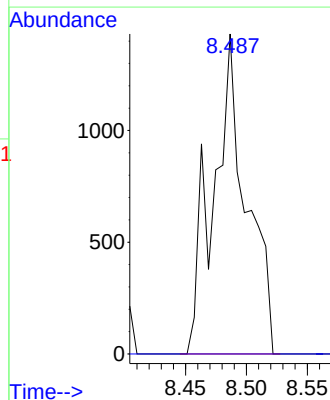
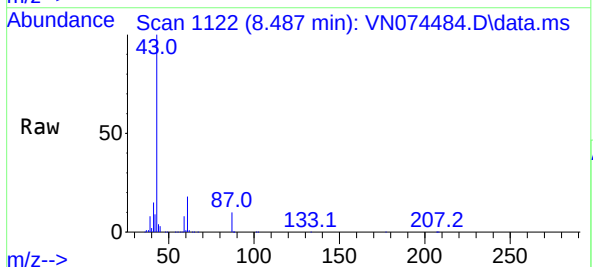
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

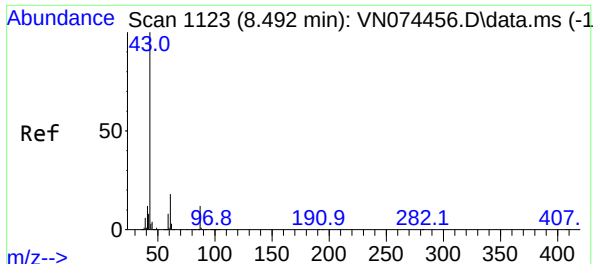
Tgt Ion:117 Resp: 40664
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.281 ug/l
RT: 8.487 min Scan# 1122
Delta R.T. 0.024 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 62 Resp: 2726
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

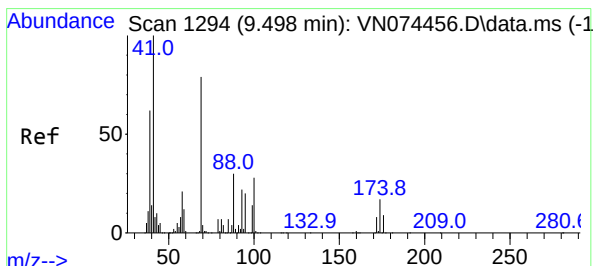
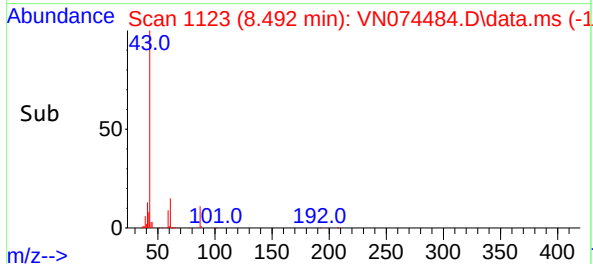
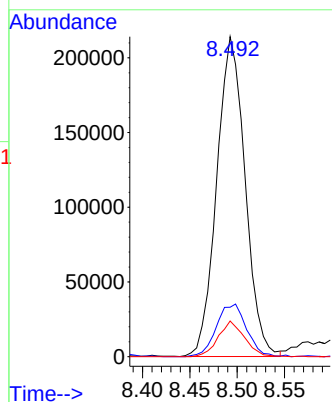
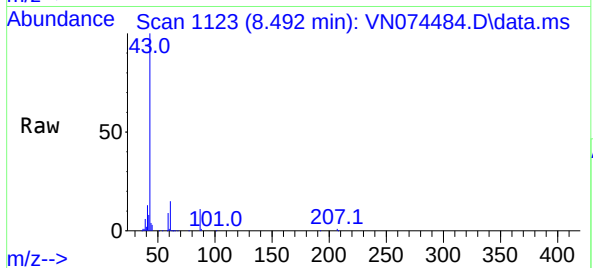




#43
Isopropyl Acetate
Concen: 20.192 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

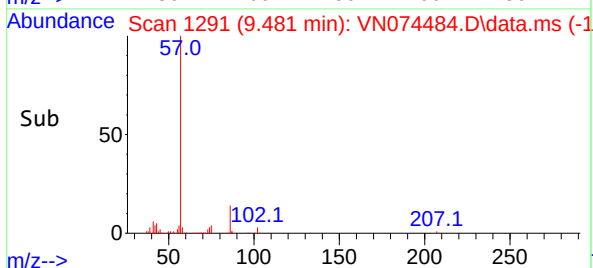
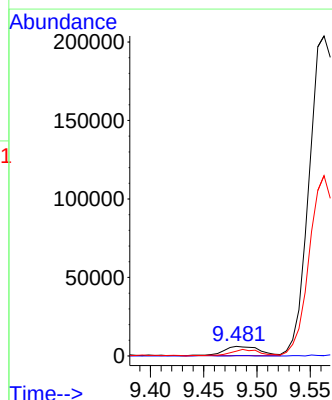
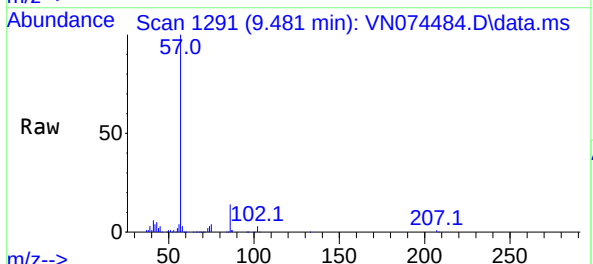
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

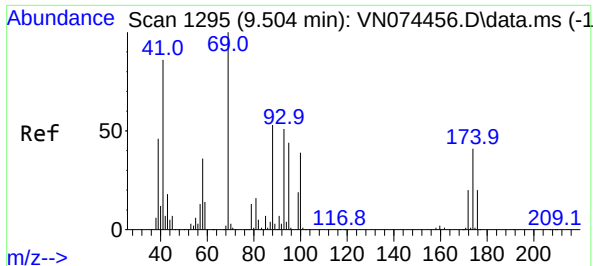
Tgt Ion: 43 Resp: 446598
Ion Ratio Lower Upper
43 100
61 17.6 21.9 32.9#
87 10.3 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.399 ug/l
RT: 9.481 min Scan# 1291
Delta R.T. -0.017 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 41 Resp: 13717
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 60.7 45.6 68.4

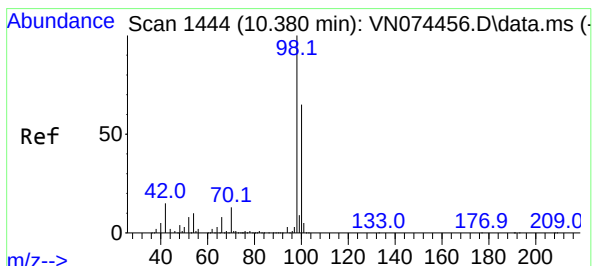
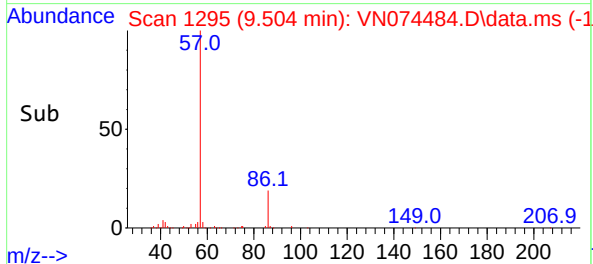
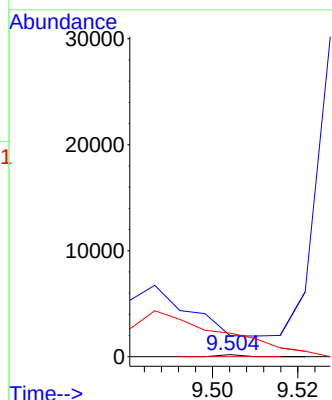
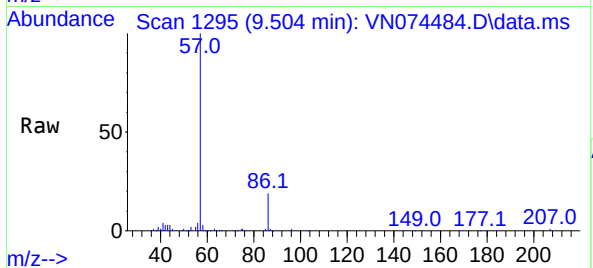




#49
1,4-Dioxane
Concen: 0.355 ug/l
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

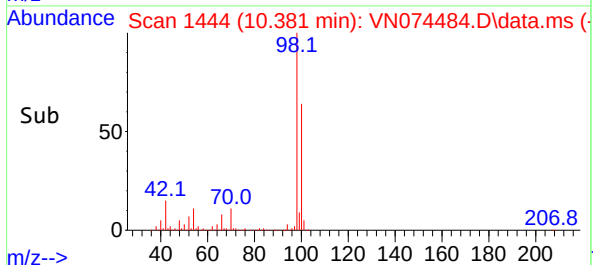
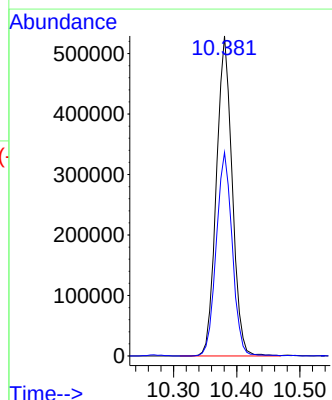
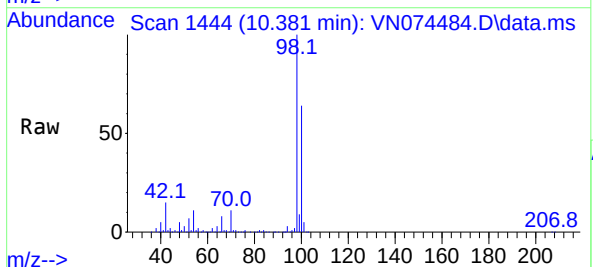
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

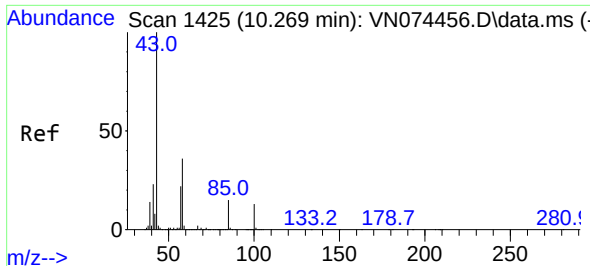
Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 12453.7 54.2 81.4#



#50
Toluene-d8
Concen: 45.980 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 98 Resp: 918522
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.597 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

Instrument :

MSVOA_N

ClientSampleId :

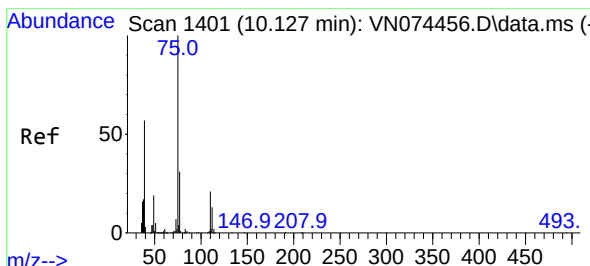
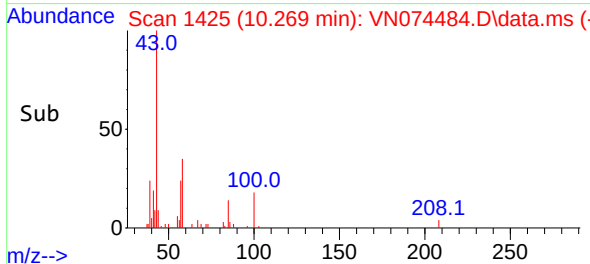
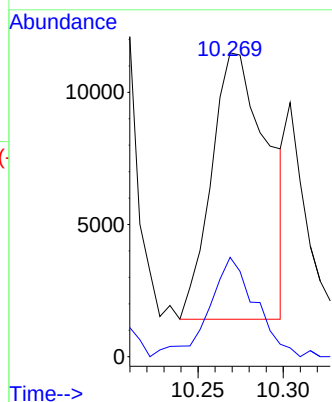
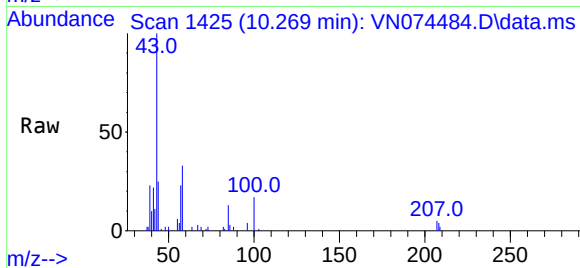
WC-17-4-3-GR

Tgt Ion: 43 Resp: 23070

Ion Ratio Lower Upper

43 100

58 31.3 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 10.656 ug/l

RT: 10.186 min Scan# 1411

Delta R.T. 0.059 min

Lab File: VN074484.D

Acq: 16 Sep 2022 01:15

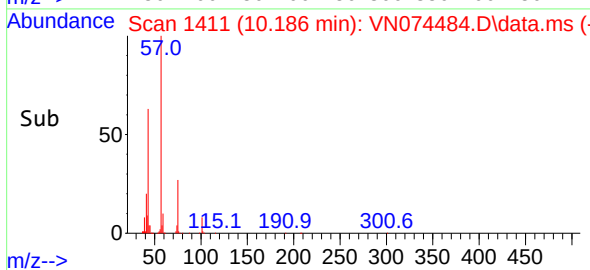
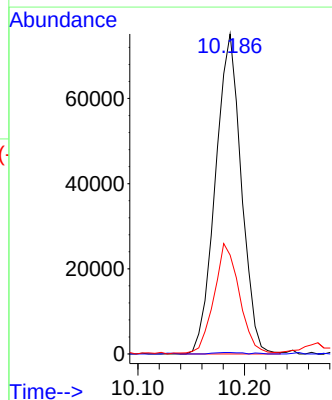
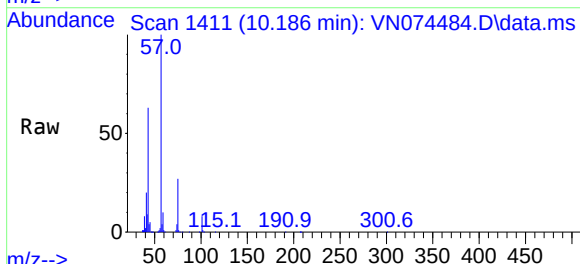
Tgt Ion: 75 Resp: 126803

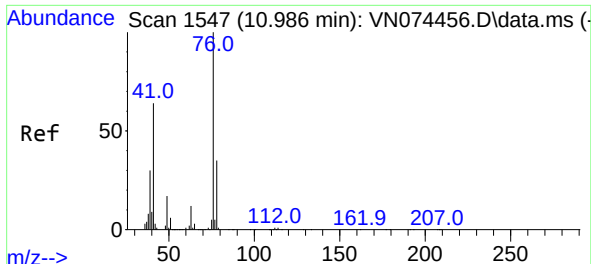
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 30.6 35.7 53.5#

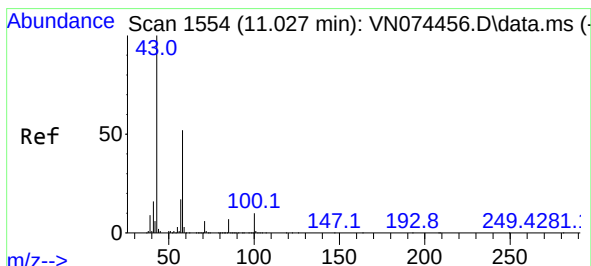
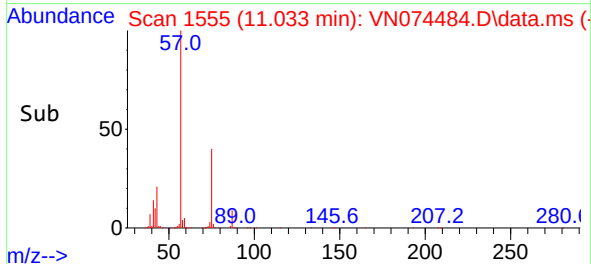
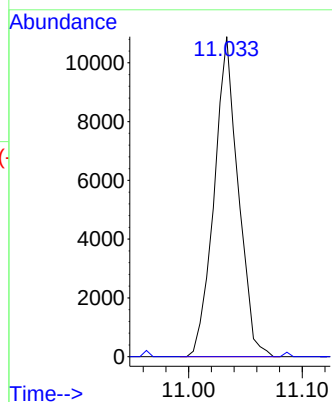
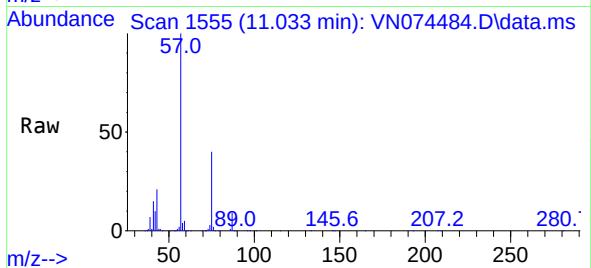




#57
1,3-Dichloropropane
Concen: 1.300 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

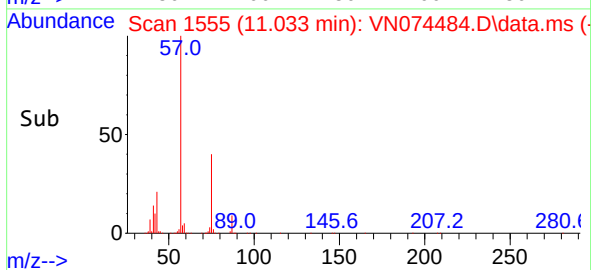
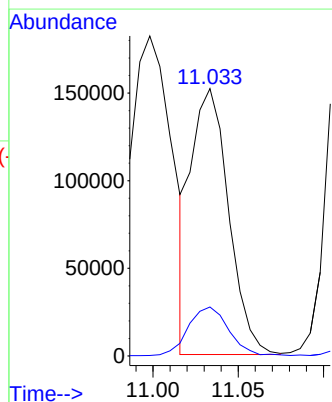
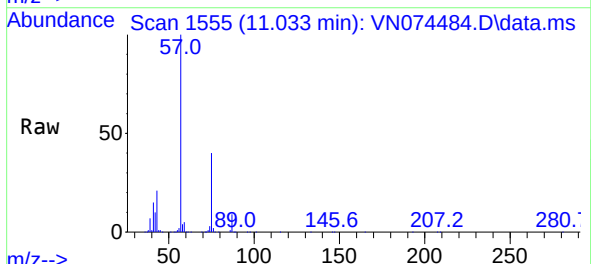
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

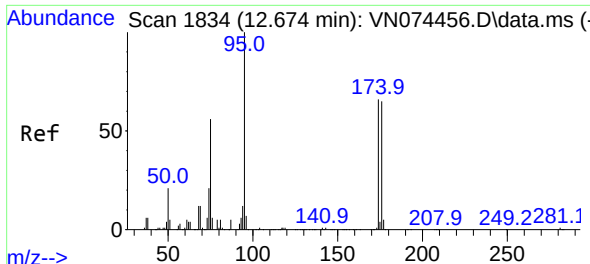
Tgt Ion: 76 Resp: 16008
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 21.026 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 43 Resp: 231820
Ion Ratio Lower Upper
43 100
58 20.2 29.7 89.1#

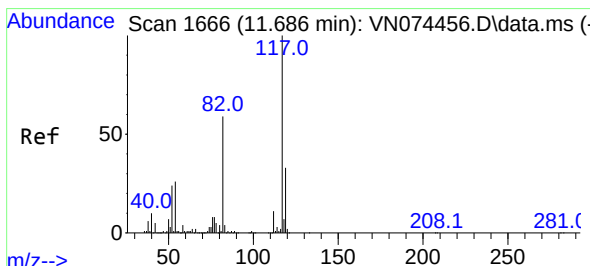
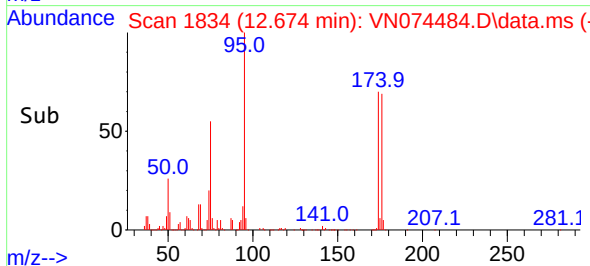
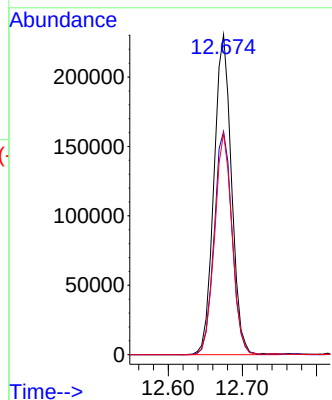
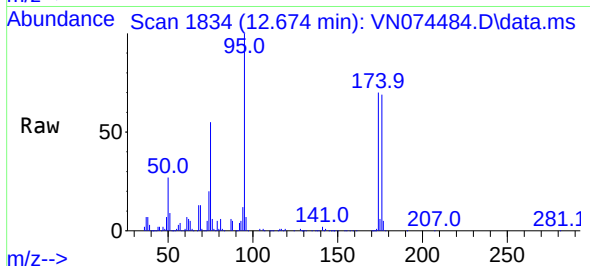




#62
4-Bromofluorobenzene
Concen: 55.293 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

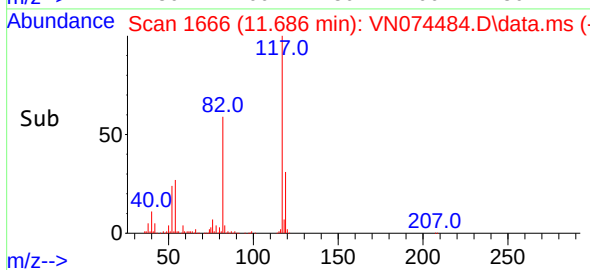
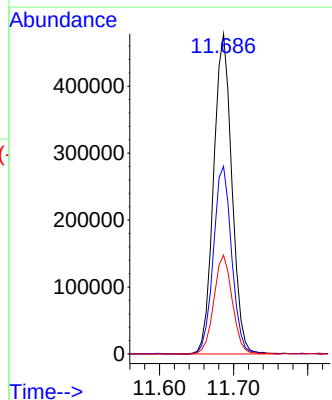
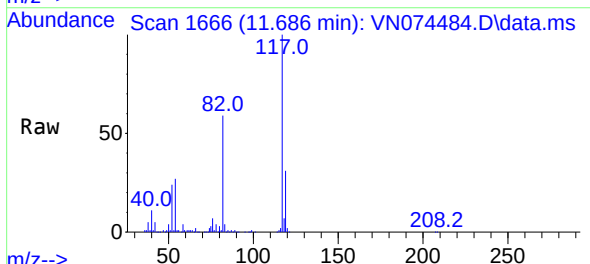
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

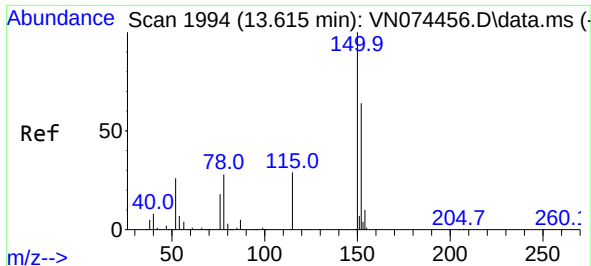
Tgt Ion: 95 Resp: 378310
Ion Ratio Lower Upper
95 100
174 71.2 0.0 167.6
176 68.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 117 Resp: 817452
Ion Ratio Lower Upper
117 100
82 58.6 44.2 66.2
119 30.9 25.4 38.0

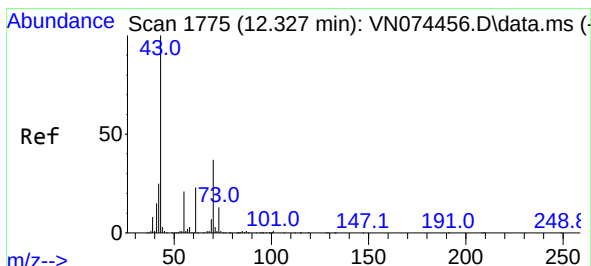
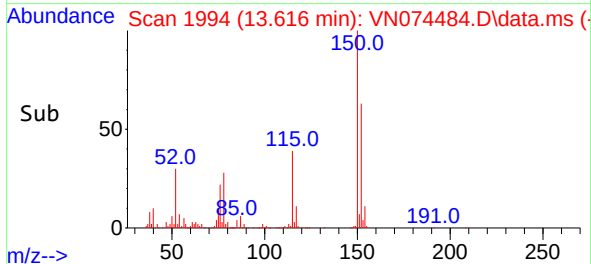
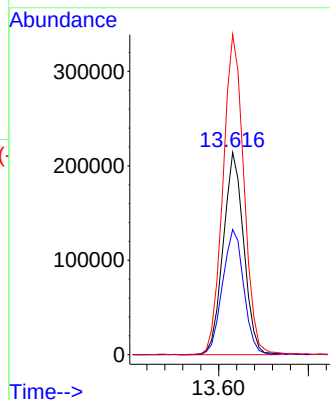
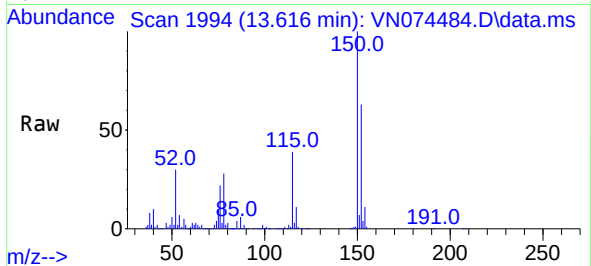




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

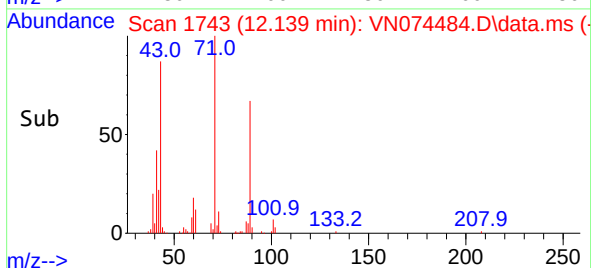
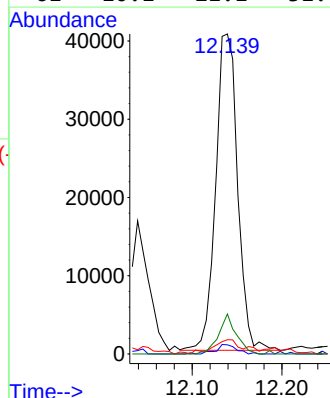
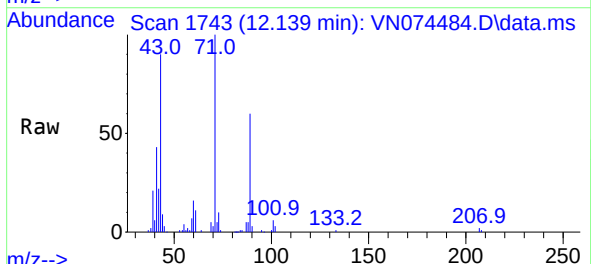
Instrument : MSVOA_N
ClientSampleId : WC-17-4-3-GR

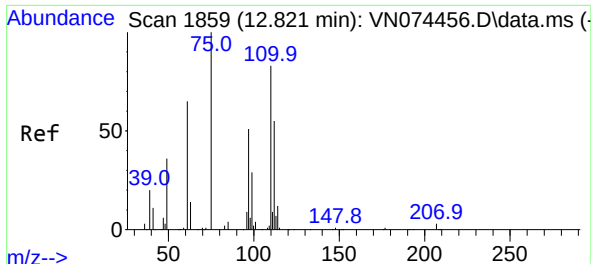
Tgt Ion:152 Resp: 340398
Ion Ratio Lower Upper
152 100
115 64.0 28.9 86.7
150 161.6 0.0 356.2



#74
N-ethyl acetate
Concen: 3.148 ug/l
RT: 12.139 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 43 Resp: 68592
Ion Ratio Lower Upper
43 100
70 2.7 39.0 58.4#
55 4.2 21.1 31.7#
61 10.1 21.1 31.7#

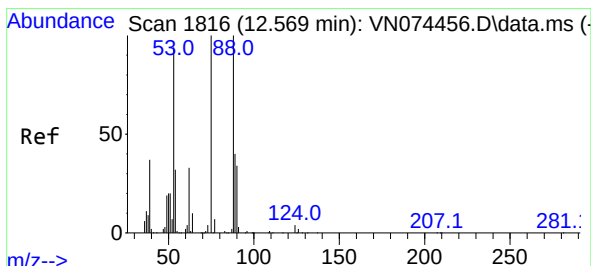
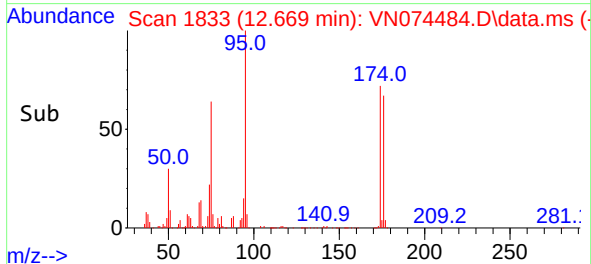
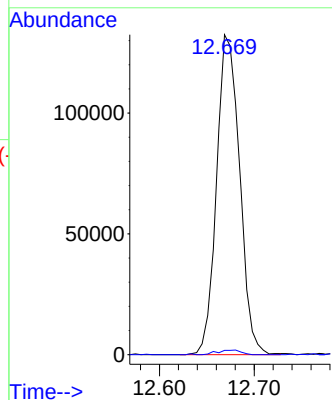
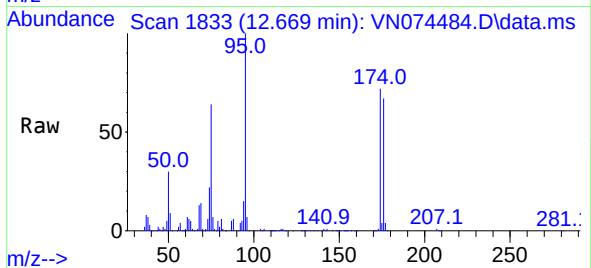




#76
1,2,3-Trichloropropane
Concen: 21.389 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

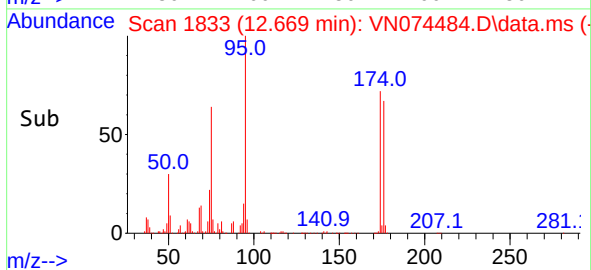
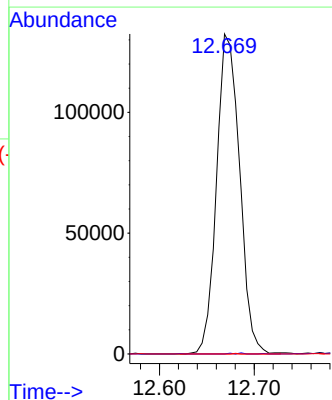
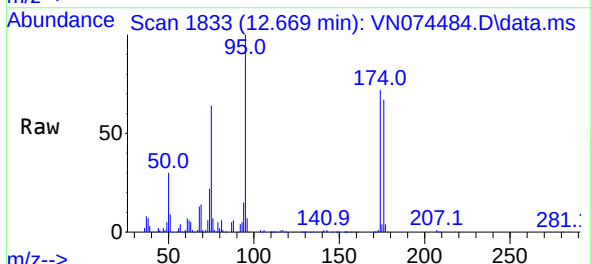
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

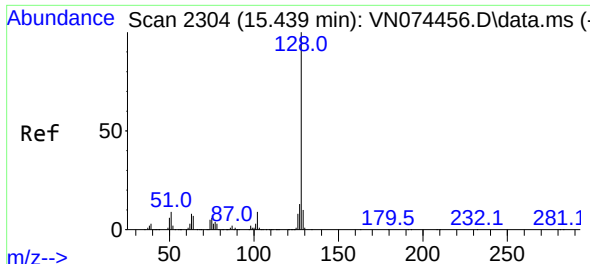
Tgt Ion: 75 Resp: 224104
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.163 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion: 75 Resp: 224104
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

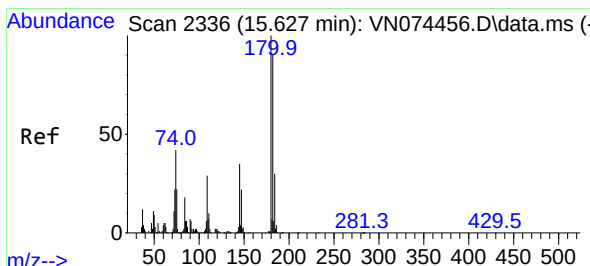
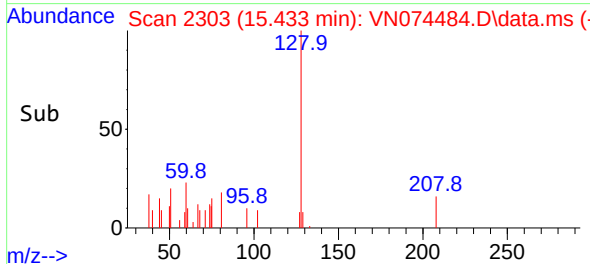
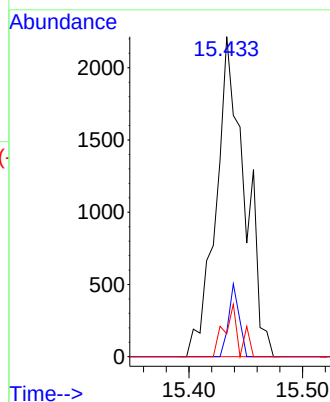
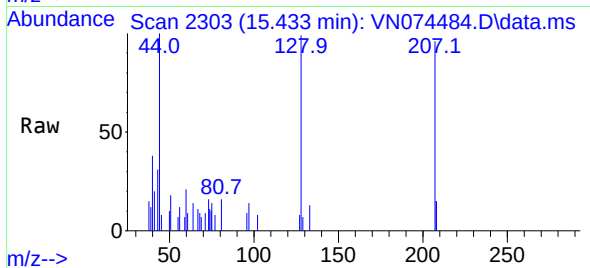




#95
Naphthalene
Concen: 1.719 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-3-GR

Tgt Ion:	128	Resp:	3912
Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.3	15.5#
129	8.5	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.401 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074484.D
Acq: 16 Sep 2022 01:15

Tgt Ion:	180	Resp:	464
Ion	Ratio	Lower	Upper
180	100		
182	75.2	47.8	143.3
145	0.0	15.5	46.5#

