

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074486.D
 Acq On : 16 Sep 2022 02:04
 Operator : JC\MD
 Sample : N4630-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-17-4-2

Quant Time: Sep 16 07:00:50 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)

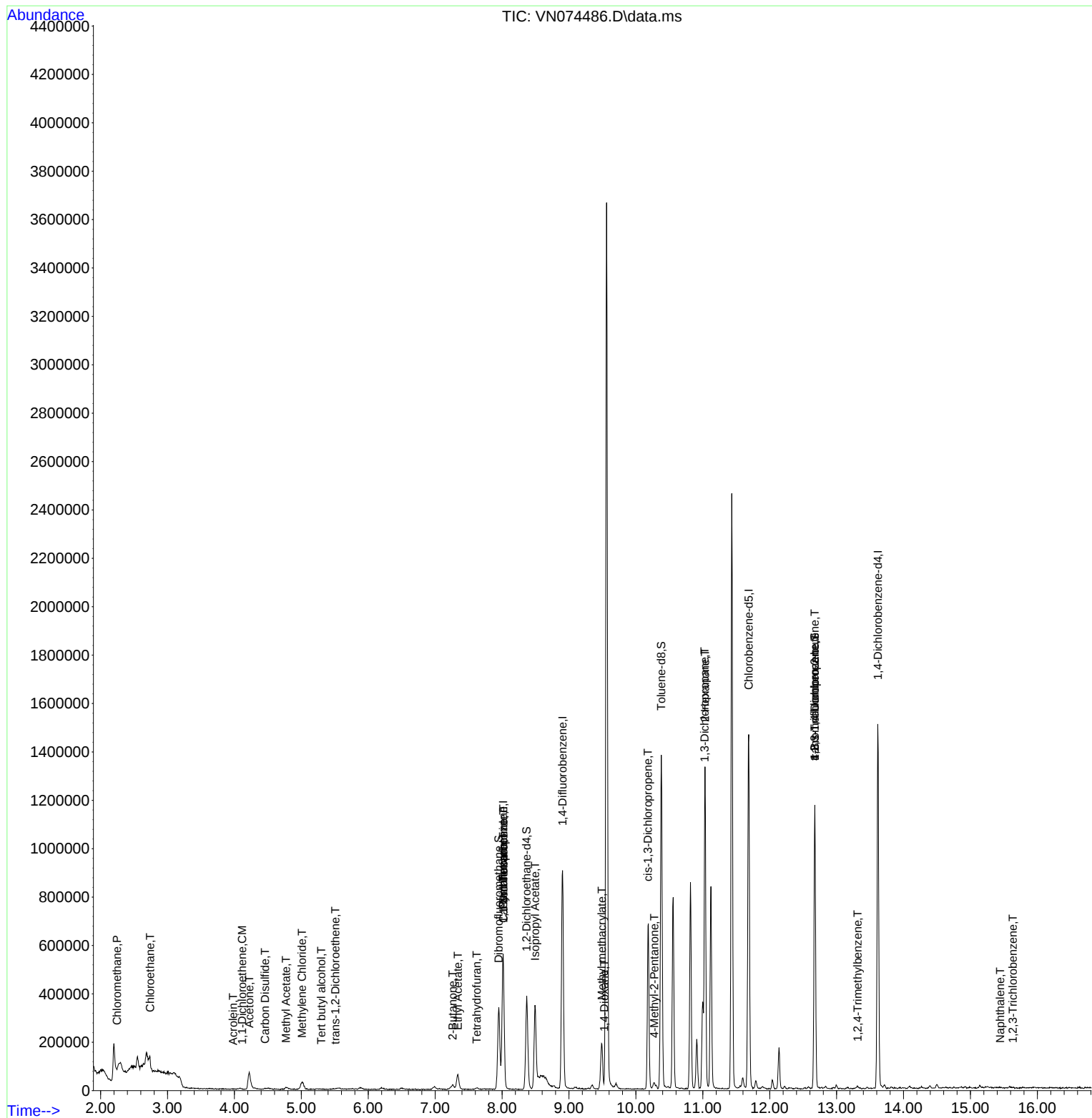
Internal Standards						
1) Pentafluorobenzene	8.016	168	387208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	766008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	785626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	359049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	288255	43.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.760%		
35) Dibromofluoromethane	7.951	113	237713	46.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.440%		
50) Toluene-d8	10.380	98	899486	45.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.420%		
62) 4-Bromofluorobenzene	12.674	95	369770	54.862	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.720%		
Target Compounds					Qvalue	
3) Chloromethane	2.246	50	430	0.319	ug/l #	51
6) Chloroethane	2.740	64	13439	2.594	ug/l #	58
11) Tert butyl alcohol	5.298	59	593	0.277	ug/l #	75
12) 1,1-Dichloroethene	4.116	96	105	0.705	ug/l #	21
13) Acrolein	3.981	56	613	0.784	ug/l #	76
16) Acetone	4.222	43	120471	28.656	ug/l	89
17) Carbon Disulfide	4.457	76	5102	0.365	ug/l	96
18) Methyl Acetate	4.769	43	6917	0.530	ug/l #	27
20) Methylene Chloride	5.010	84	24291	3.813	ug/l #	86
21) trans-1,2-Dichloroethene	5.510	96	318	0.485	ug/l #	1
25) 2-Butanone	7.263	43	27197	3.896	ug/l #	79
28) Bromochloromethane	7.410	49	60	Below Cal	#	8
29) Tetrahydrofuran	7.622	42	3399	0.741	ug/l	87
31) Cyclohexane	8.016	56	12304	1.055	ug/l #	4
36) 1,1-Dichloropropene	8.022	75	37222	4.133	ug/l #	50
37) Ethyl Acetate	7.339	43	95846	6.891	ug/l #	95
38) Carbon Tetrachloride	8.022	117	41445	4.984	ug/l #	15
43) Isopropyl Acetate	8.492	43	442380	20.304	ug/l #	83
48) Methyl methacrylate	9.492	41	13800	1.428	ug/l #	38
49) 1,4-Dioxane	9.527	88	132	0.711	ug/l #	25
51) 4-Methyl-2-Pentanone	10.274	43	19170	1.347	ug/l	89
54) cis-1,3-Dichloropropene	10.180	75	115136	9.822	ug/l #	72
57) 1,3-Dichloropropane	11.027	76	12833	1.058	ug/l #	45
59) 2-Hexanone	11.033	43	160532	14.780	ug/l #	50
76) 1,2,3-Trichloropropane	12.674	75	215637	19.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	215637	42.112	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.315	105	6411	0.213	ug/l	99
95) Naphthalene	15.445	128	2955	1.682	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.633	180	67	1.345	ug/l #	1

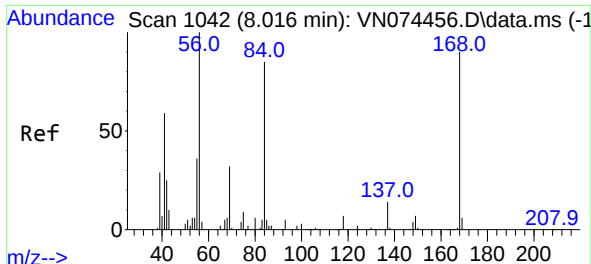
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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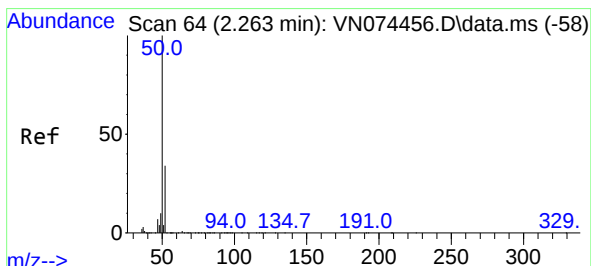
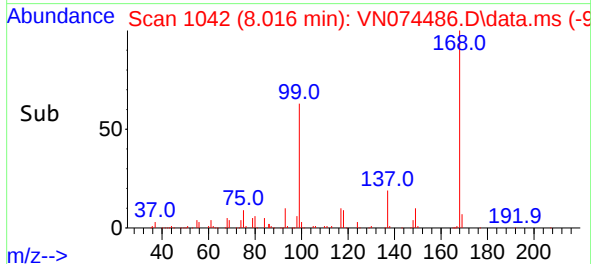
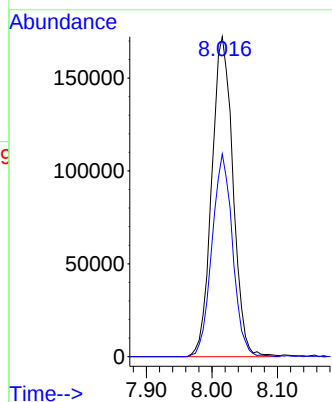
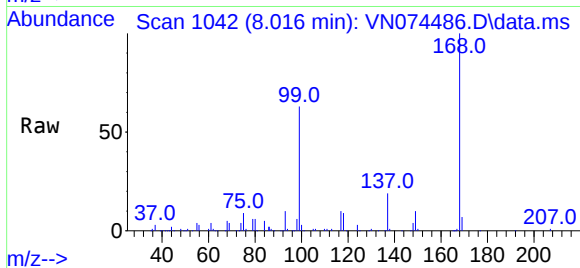




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

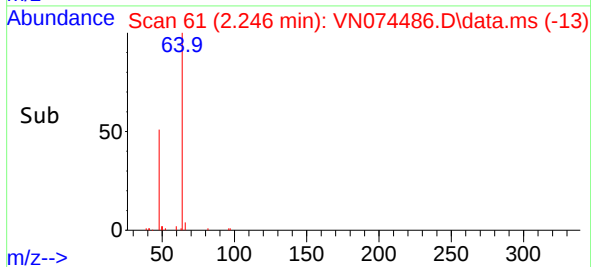
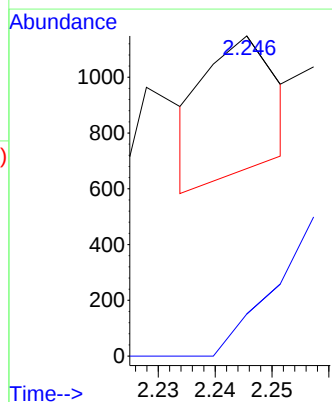
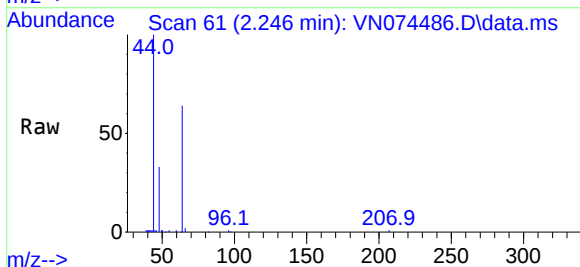
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

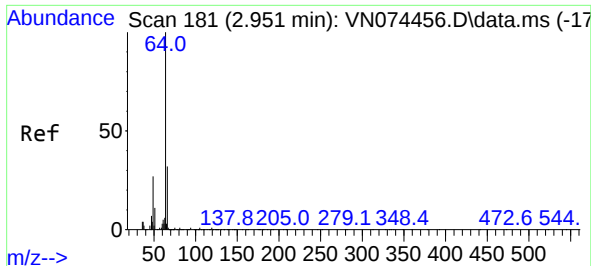
Tgt Ion:168 Resp: 387208
Ion Ratio Lower Upper
168 100
99 63.4 42.3 63.5



#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.246 min Scan# 61
Delta R.T. -0.017 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 50 Resp: 430
Ion Ratio Lower Upper
50 100
52 59.7 25.7 38.5#

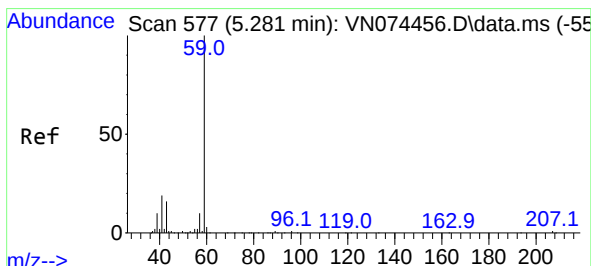
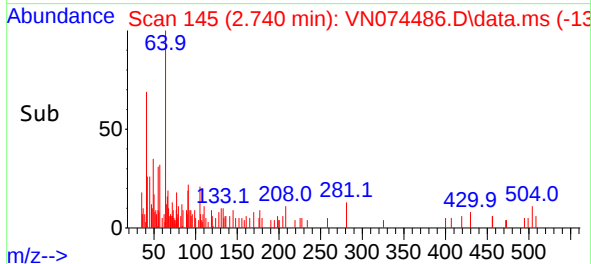
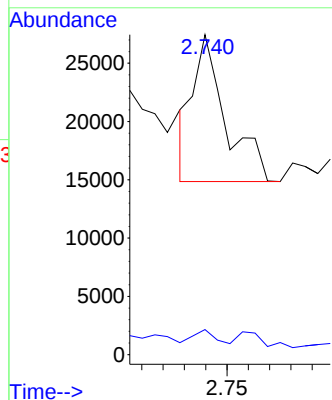
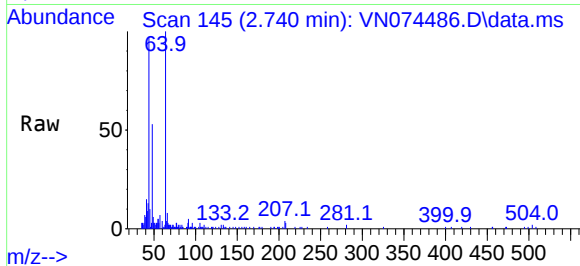




#6
Chloroethane
Concen: 2.594 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.211 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

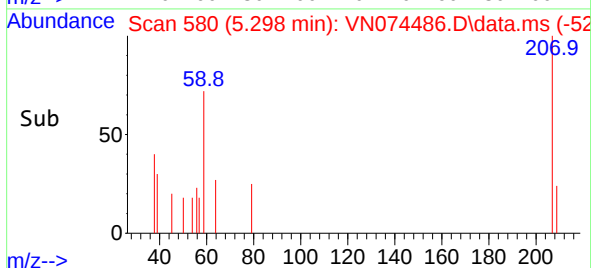
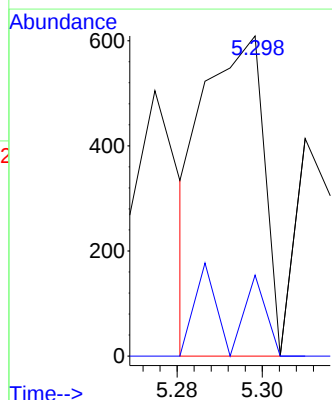
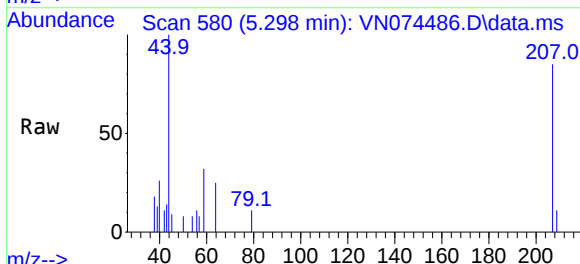
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

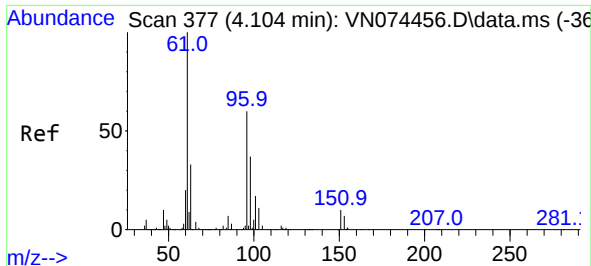
Tgt Ion: 64 Resp: 13439
Ion Ratio Lower Upper
64 100
66 8.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.017 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 19.7 8.3 12.5#

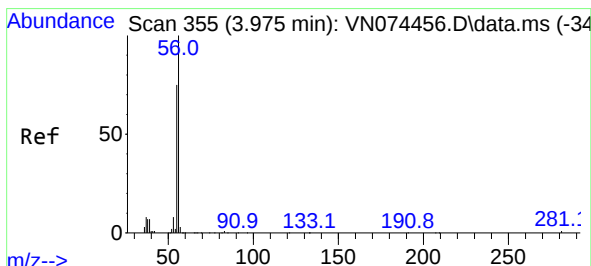
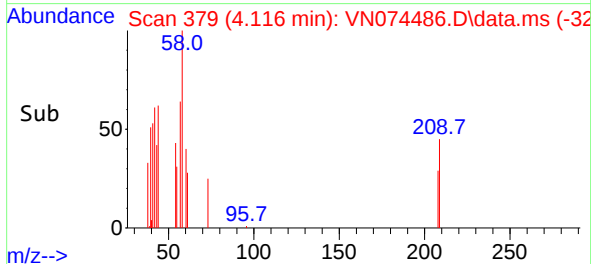
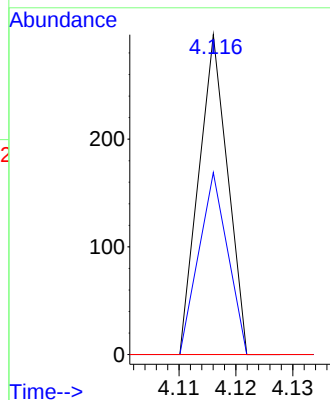
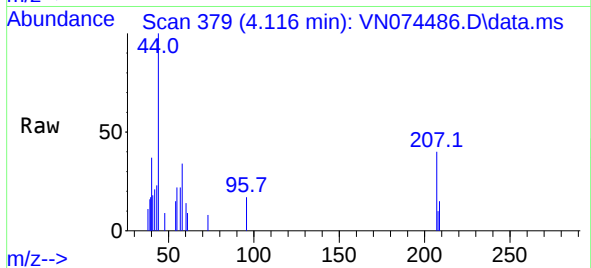




#12
1,1-Dichloroethene
Concen: 0.705 ug/l
RT: 4.116 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

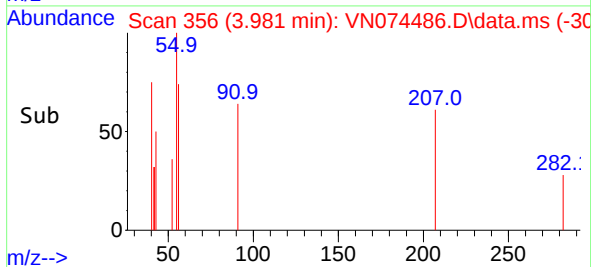
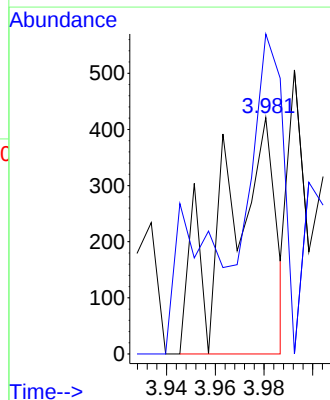
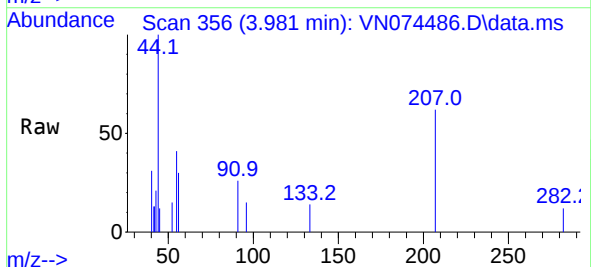
Instrument :
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ClientSampleId :
WC-17-4-2

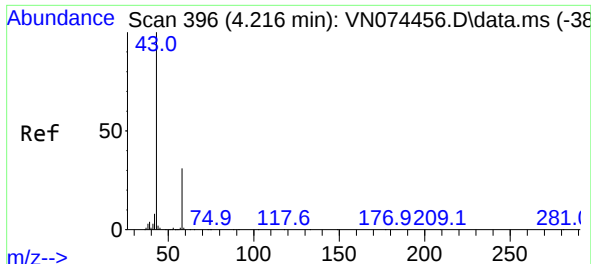
Tgt Ion: 96 Resp: 105
Ion Ratio Lower Upper
96 100
61 56.9 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.784 ug/l
RT: 3.981 min Scan# 356
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 56 Resp: 613
Ion Ratio Lower Upper
56 100
55 88.3 54.8 82.2#

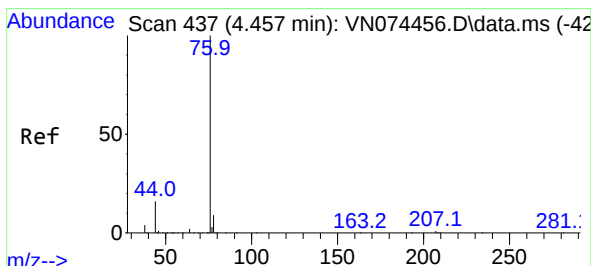
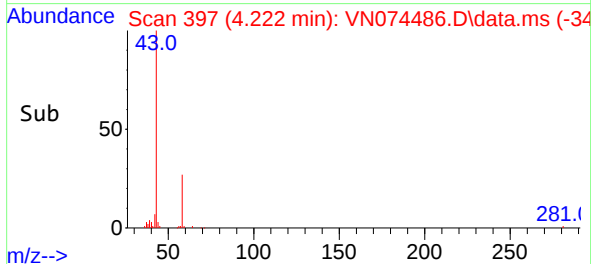
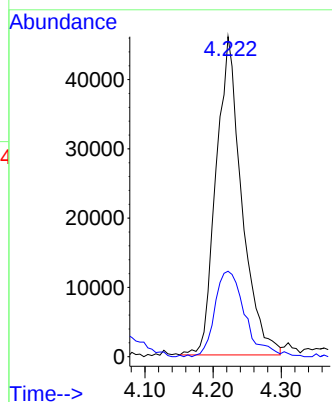
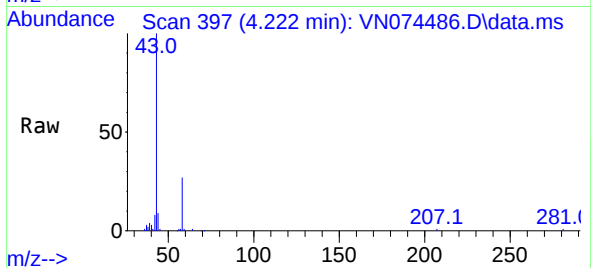




#16
Acetone
Concen: 28.656 ug/l
RT: 4.222 min Scan# 396
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

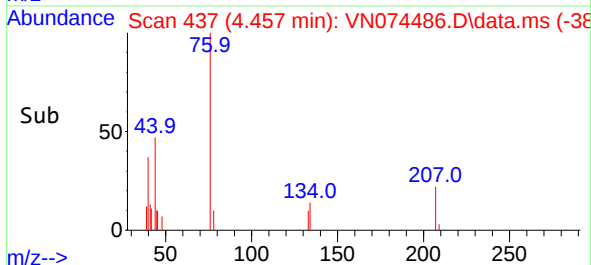
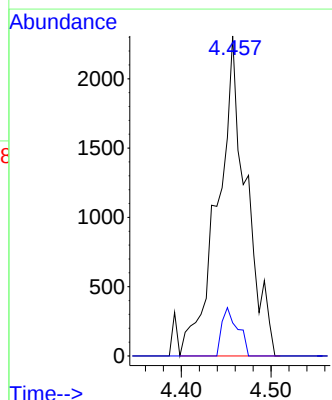
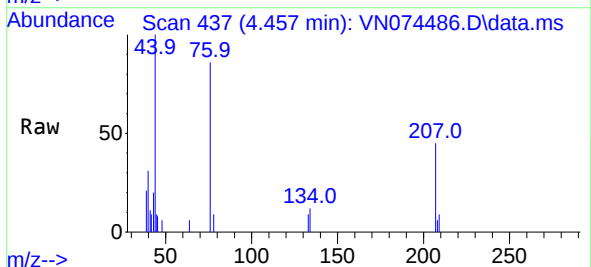
Instrument :
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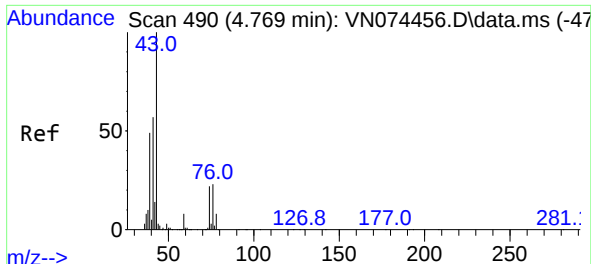
Tgt Ion: 43 Resp: 120471
Ion Ratio Lower Upper
43 100
58 26.4 26.0 39.0



#17
Carbon Disulfide
Concen: 0.365 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 76 Resp: 5102
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8

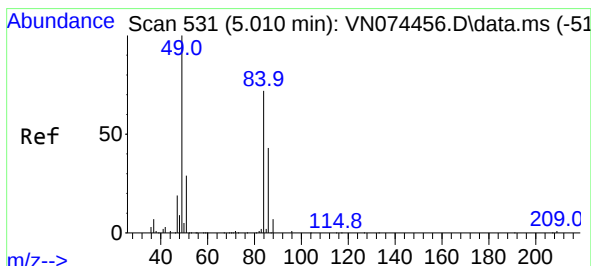
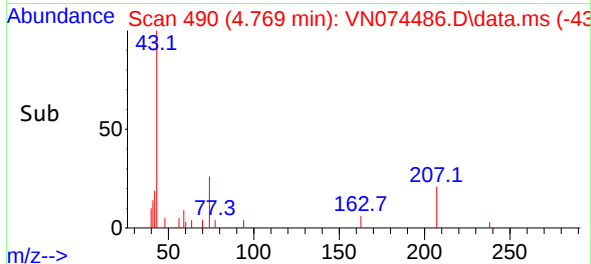
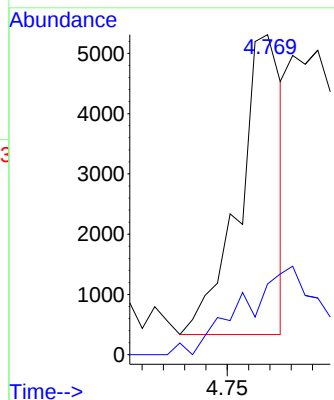
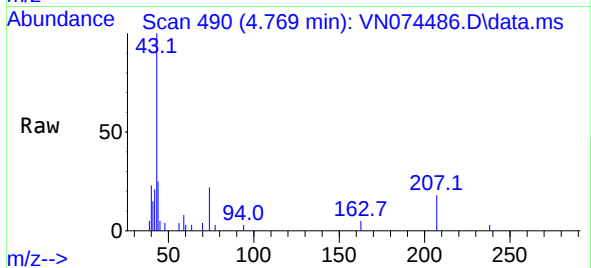




#18
Methyl Acetate
Concen: 0.530 ug/l
RT: 4.769 min Scan# 490
Delta R.T. -0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

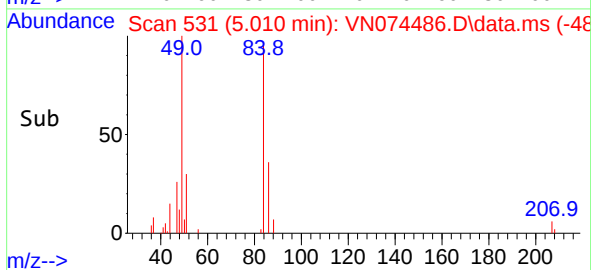
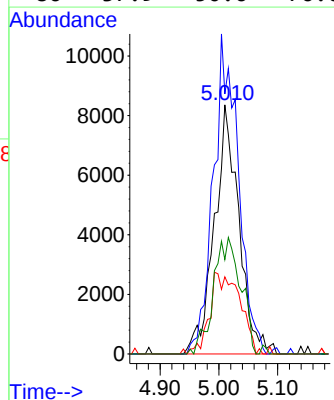
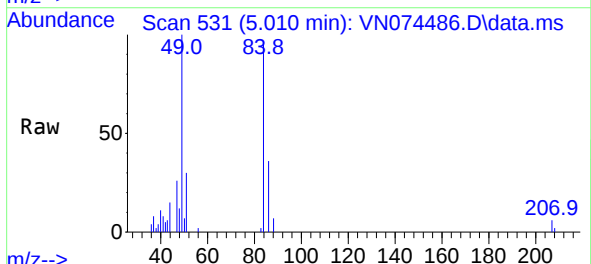
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ClientSampleId :
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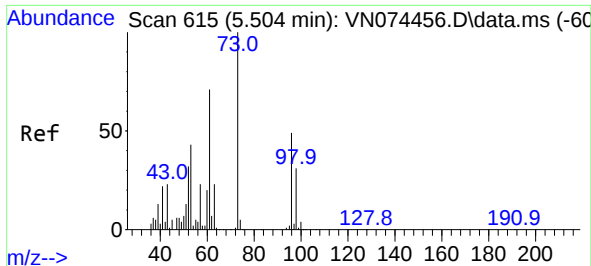
Tgt Ion: 43 Resp: 6917
Ion Ratio Lower Upper
43 100
74 65.1 21.6 32.4#



#20
Methylene Chloride
Concen: 3.813 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 84 Resp: 24291
Ion Ratio Lower Upper
84 100
49 104.4 88.3 132.5
51 31.0 28.2 42.2
86 37.9 50.6 76.0#

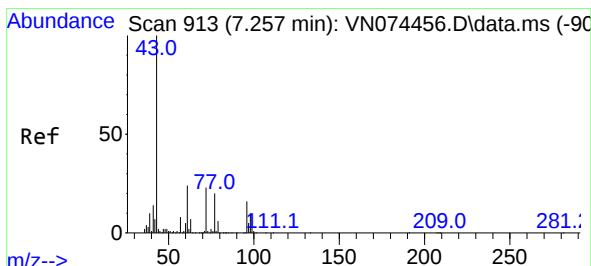
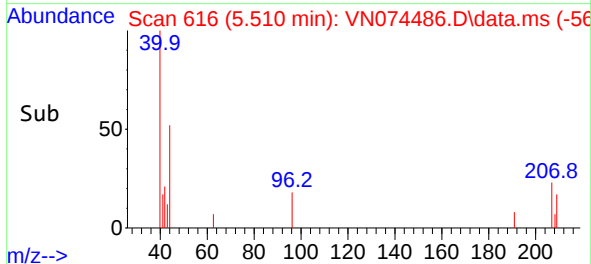
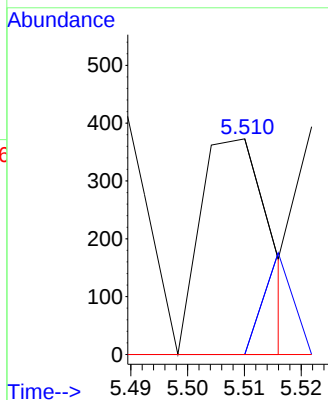
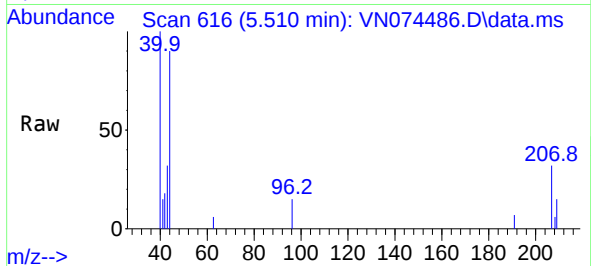




#21
trans-1,2-Dichloroethene
Concen: 0.485 ug/l
RT: 5.510 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

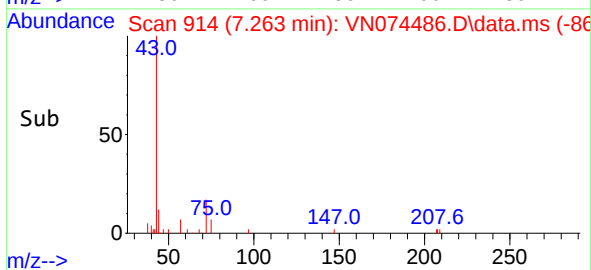
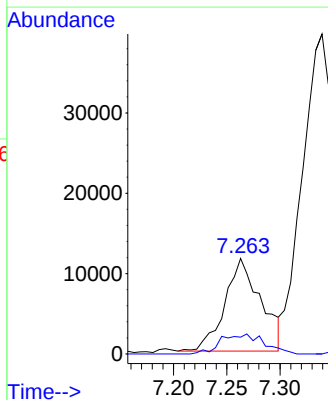
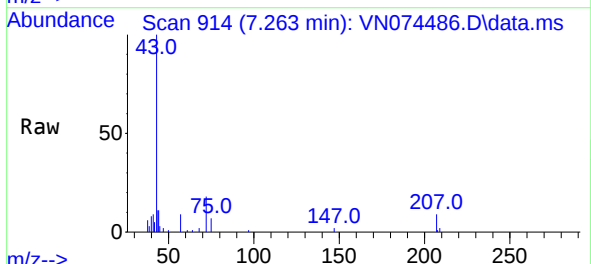
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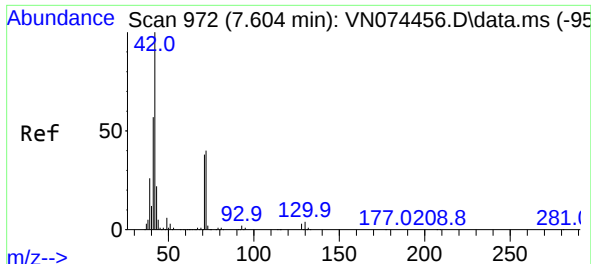
Tgt Ion: 96 Resp: 318
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 3.896 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 43 Resp: 27197
Ion Ratio Lower Upper
43 100
72 18.1 23.7 35.5#

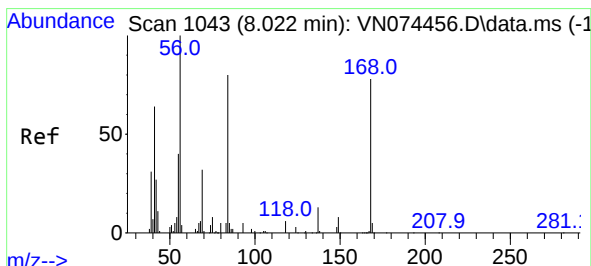
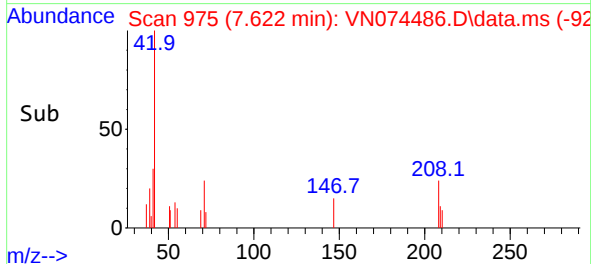
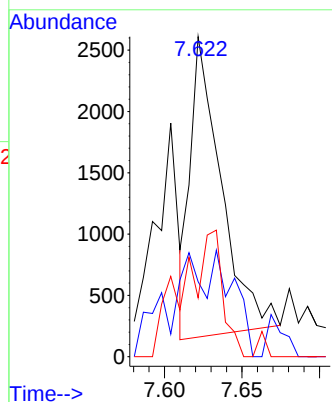
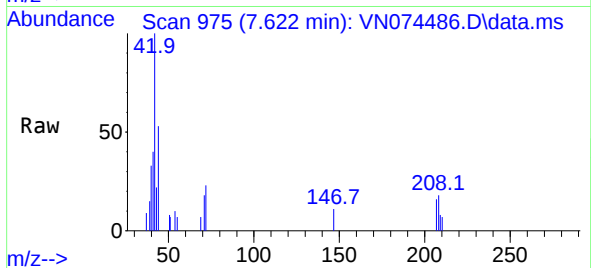




#29
Tetrahydrofuran
Concen: 0.741 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

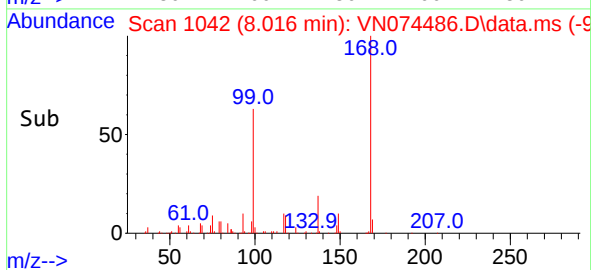
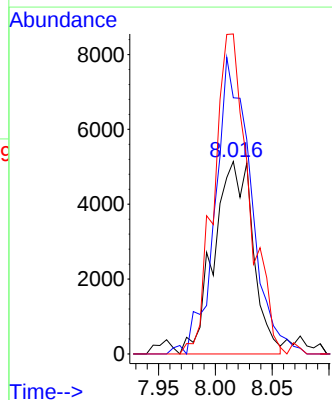
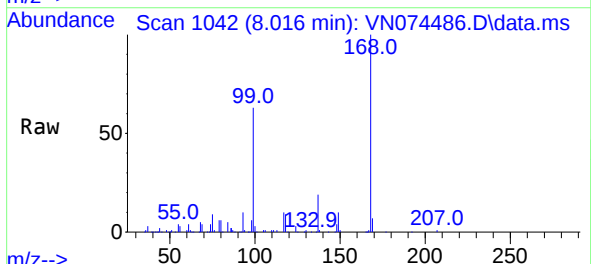
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ClientSampleId :
WC-17-4-2

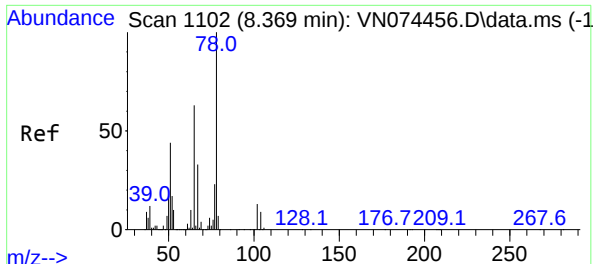
Tgt Ion: 42 Resp: 3399
Ion Ratio Lower Upper
42 100
72 41.3 39.7 59.5
71 54.7 36.6 55.0



#31
Cyclohexane
Concen: 1.055 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 56 Resp: 12304
Ion Ratio Lower Upper
56 100
69 128.7 27.8 41.8#
84 166.3 76.9 115.3#

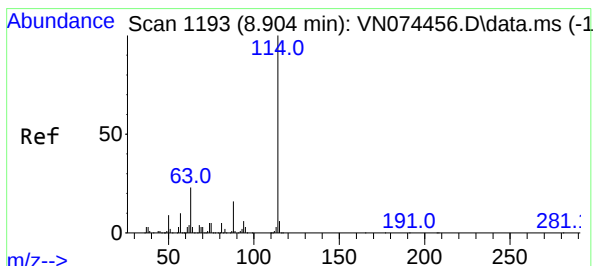
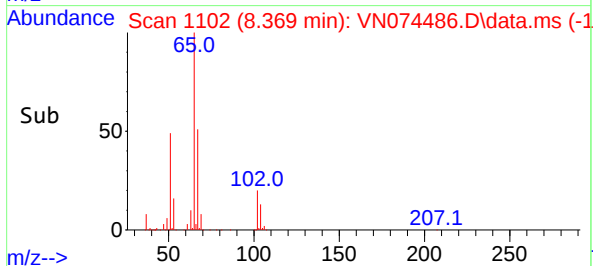
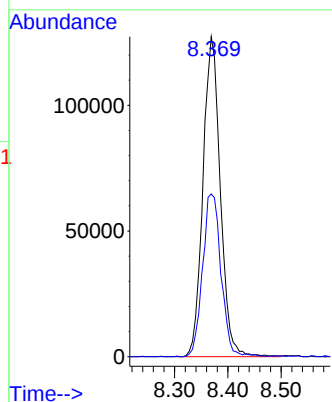
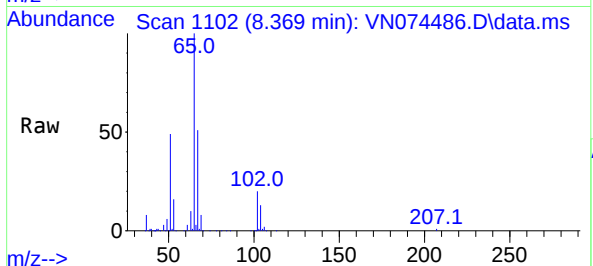




#33
1,2-Dichloroethane-d4
Concen: 43.875 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

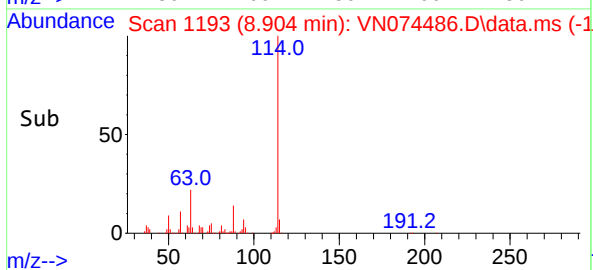
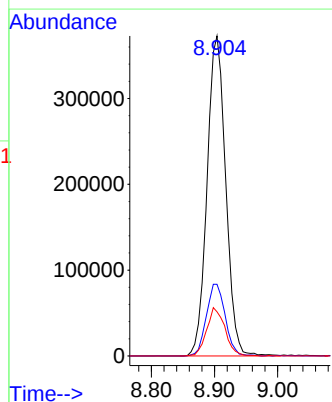
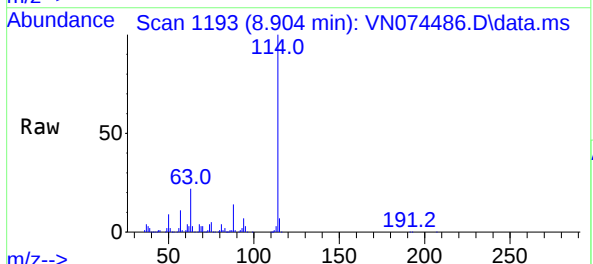
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

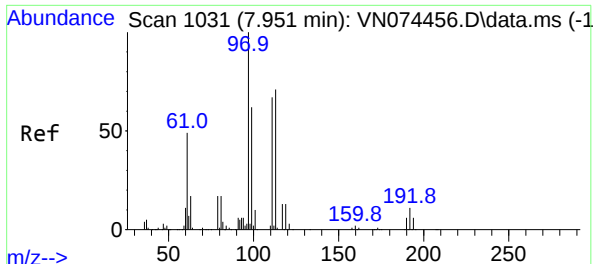
Tgt Ion: 65 Resp: 288255
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 114 Resp: 766008
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.0
88 13.8 0.0 32.6

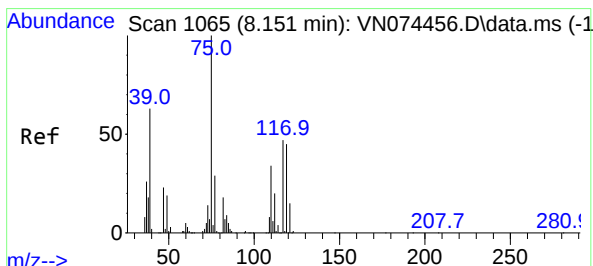
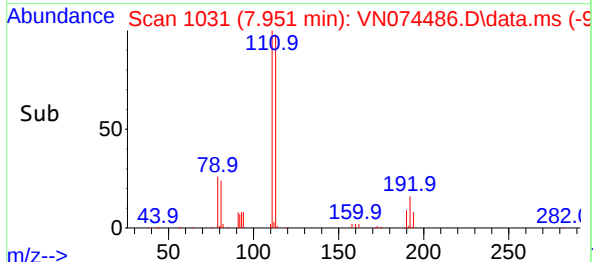
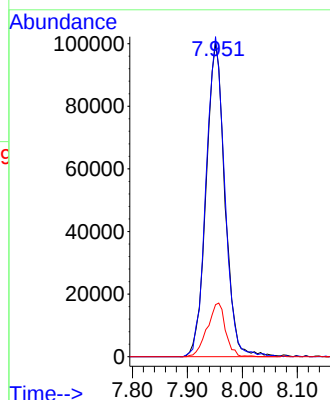
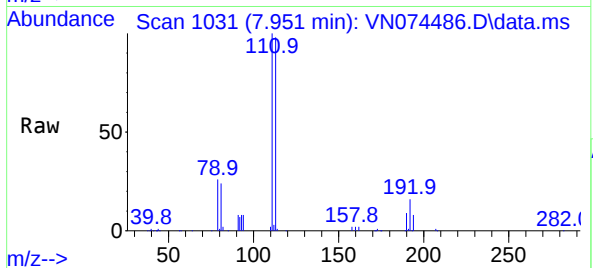




#35
Dibromofluoromethane
Concen: 46.716 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

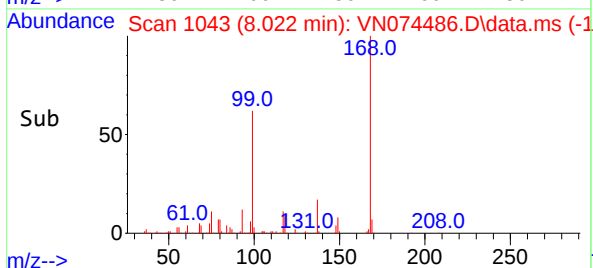
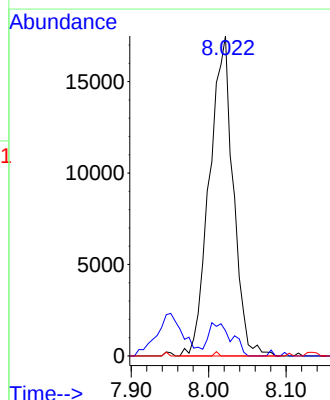
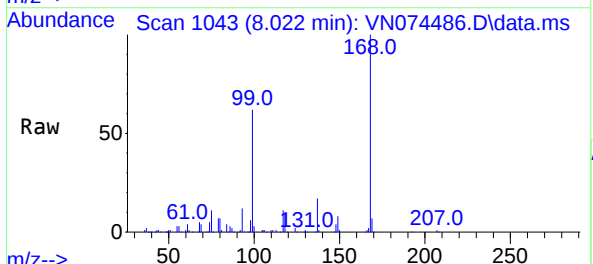
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

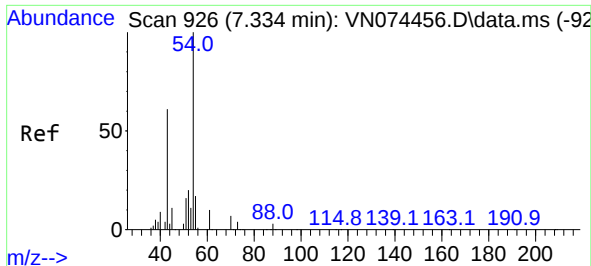
Tgt Ion:113 Resp: 237713
Ion Ratio Lower Upper
113 100
111 100.9 81.4 122.0
192 16.6 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 75 Resp: 37222
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.2 25.1 37.7#

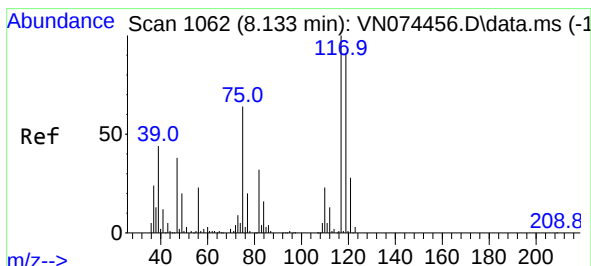
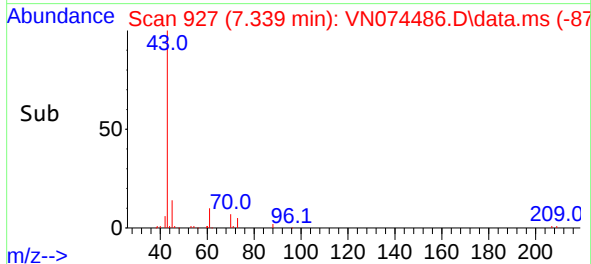
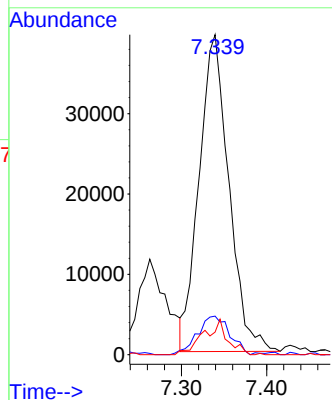
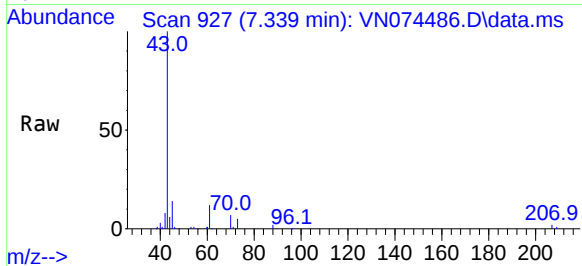




#37
Ethyl Acetate
Concen: 6.891 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

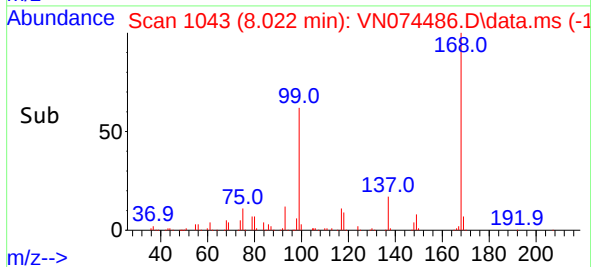
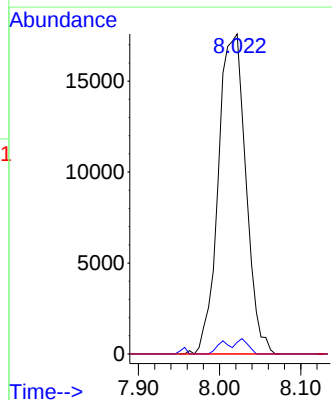
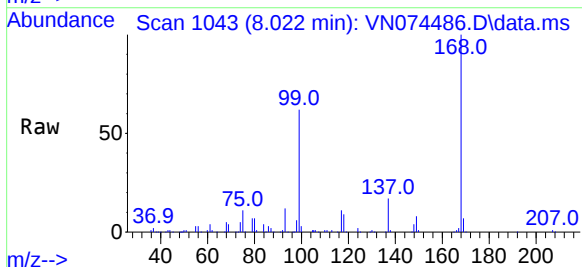
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

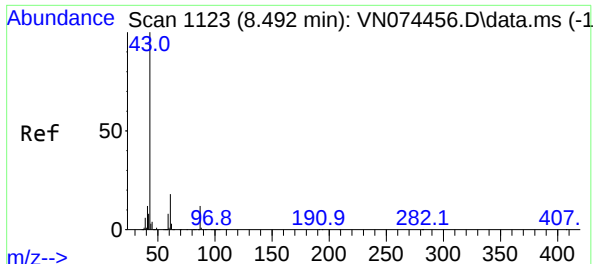
Tgt Ion: 43 Resp: 95846
Ion Ratio Lower Upper
43 100
61 13.3 11.8 17.6
70 9.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.984 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 117 Resp: 41445
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#

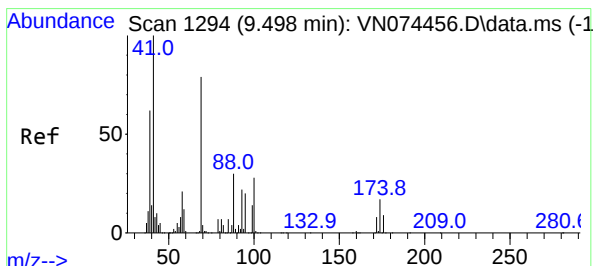
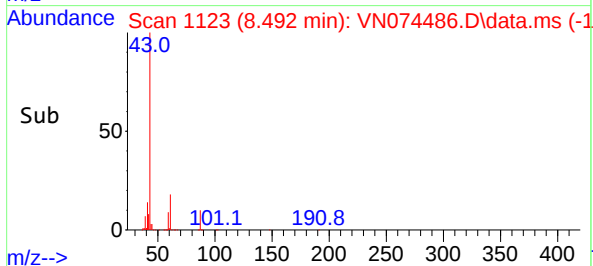
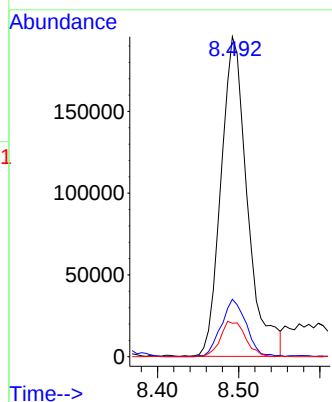
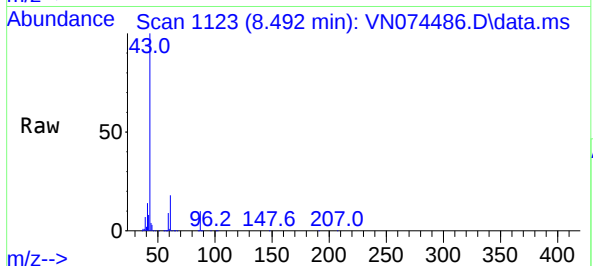




#43
Isopropyl Acetate
Concen: 20.304 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

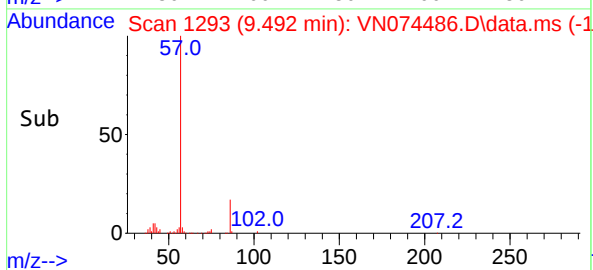
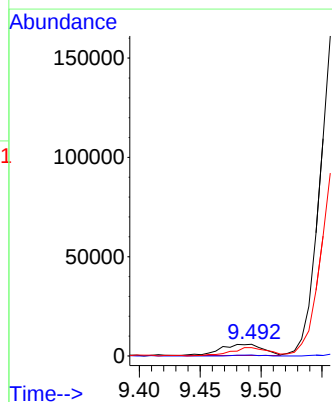
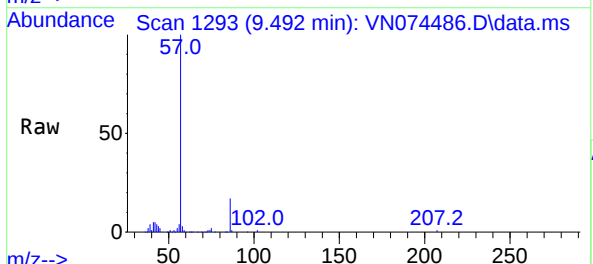
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

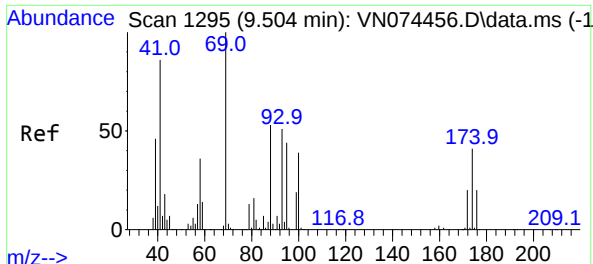
Tgt Ion: 43 Resp: 442380
Ion Ratio Lower Upper
43 100
61 17.0 21.9 32.9#
87 10.4 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.428 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 41 Resp: 13800
Ion Ratio Lower Upper
41 100
69 5.0 74.7 112.1#
39 65.7 45.6 68.4

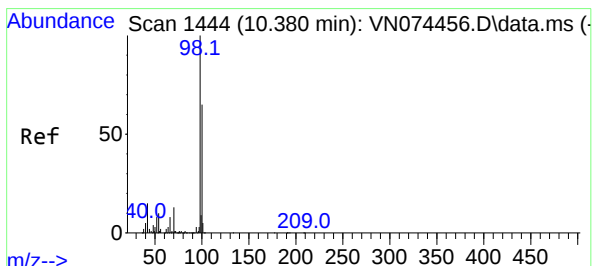
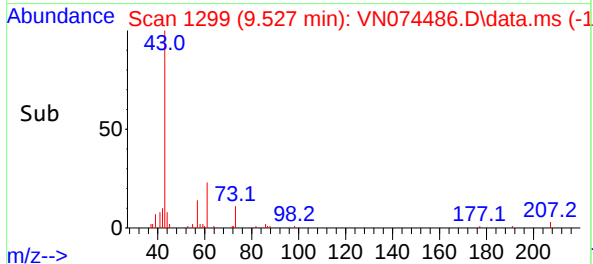
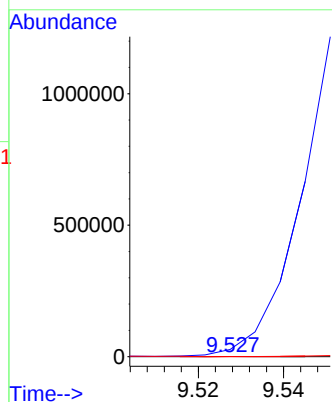
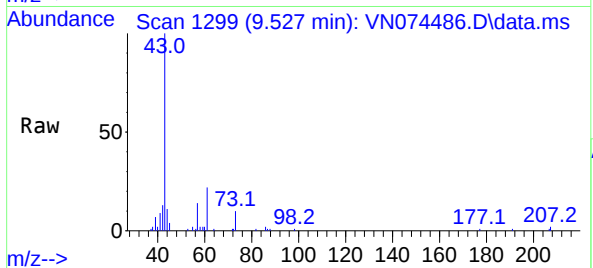




#49
1,4-Dioxane
Concen: 0.711 ug/l
RT: 9.527 min Scan# 1299
Delta R.T. 0.023 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

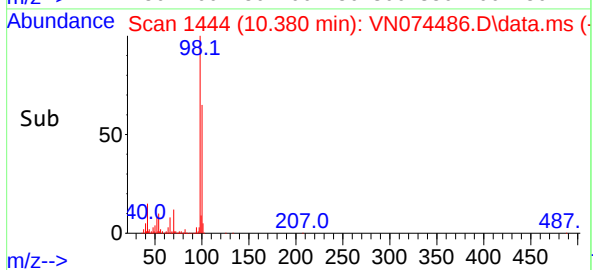
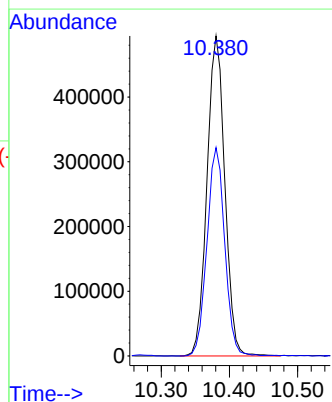
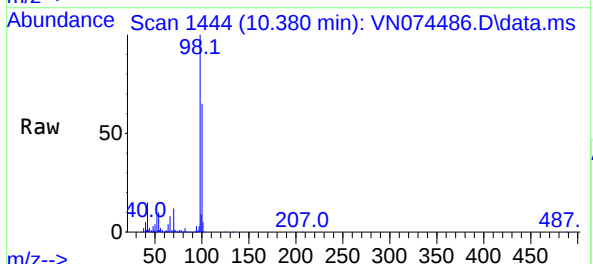
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

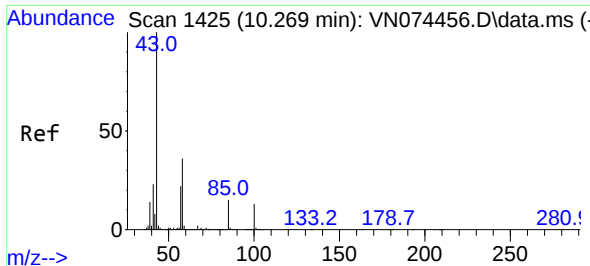
Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 45.708 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 98 Resp: 899486
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

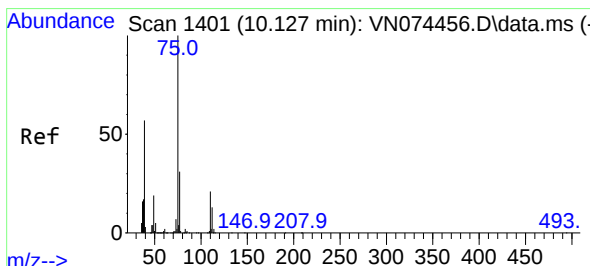
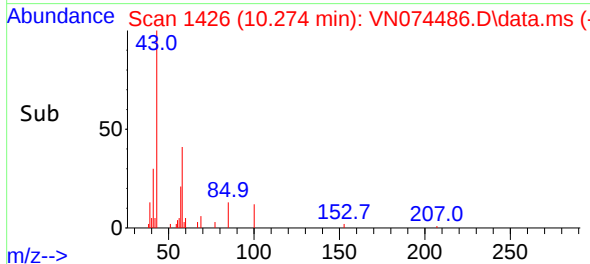
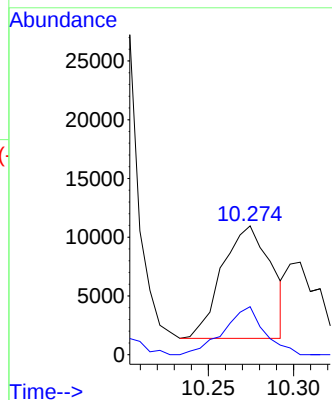
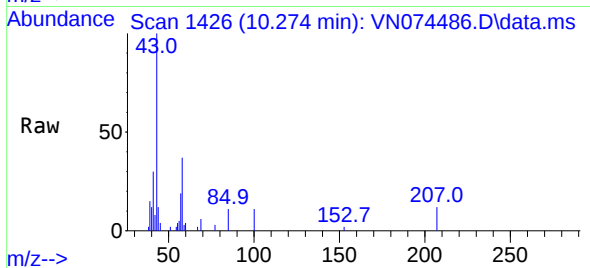




#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

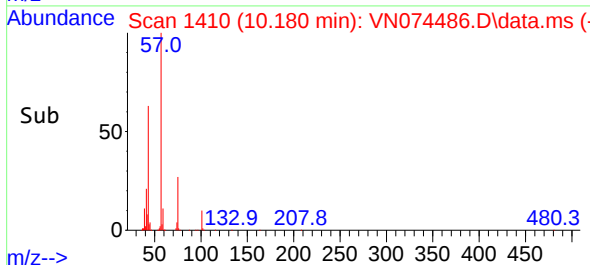
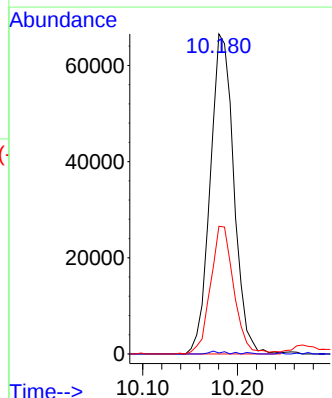
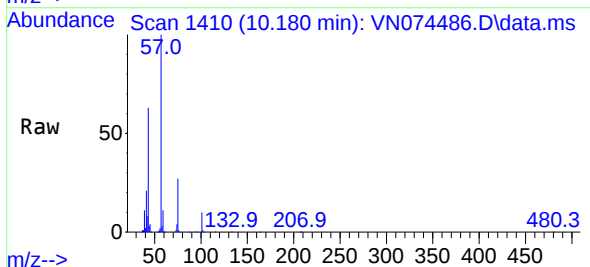
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

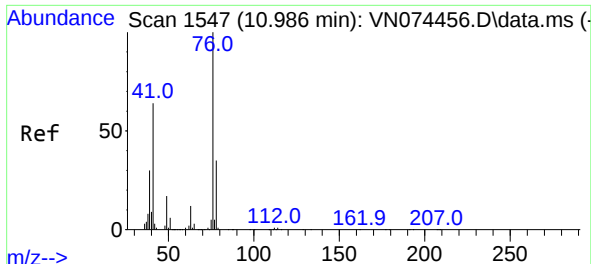
Tgt Ion: 43 Resp: 19170
Ion Ratio Lower Upper
43 100
58 35.3 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 9.822 ug/l
RT: 10.180 min Scan# 1410
Delta R.T. 0.053 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 75 Resp: 115136
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 39.6 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.058 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.041 min

Lab File: VN074486.D

Acq: 16 Sep 2022 02:04

Instrument :

MSVOA_N

ClientSampleId :

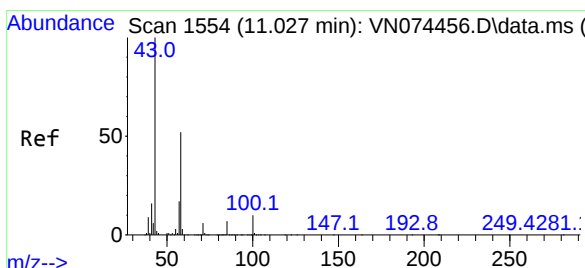
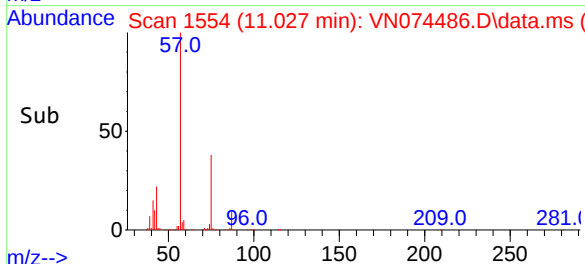
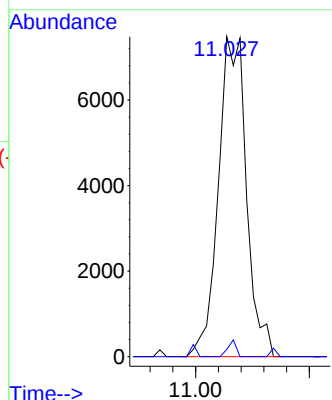
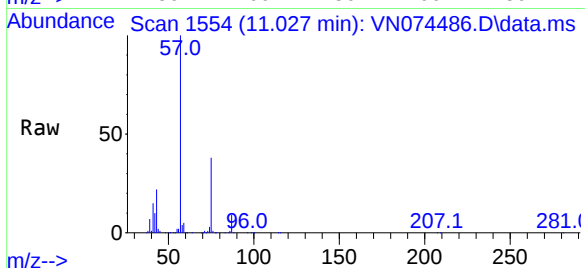
WC-17-4-2

Tgt Ion: 76 Resp: 12833

Ion Ratio Lower Upper

76 100

78 1.5 26.2 39.2#



#59

2-Hexanone

Concen: 14.780 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074486.D

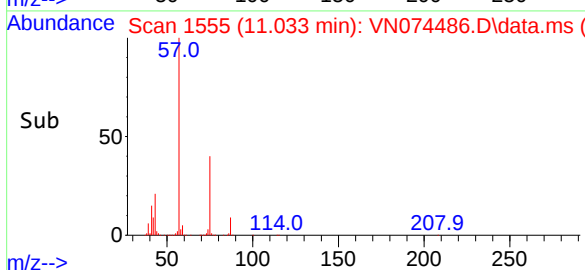
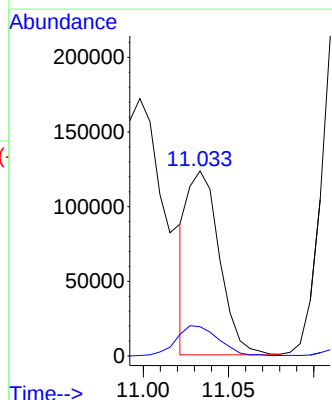
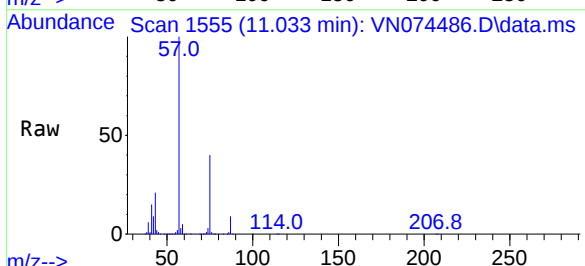
Acq: 16 Sep 2022 02:04

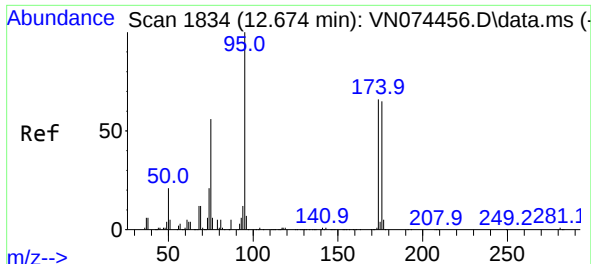
Tgt Ion: 43 Resp: 160532

Ion Ratio Lower Upper

43 100

58 22.1 29.7 89.1#

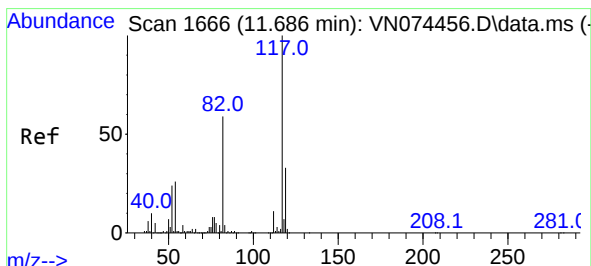
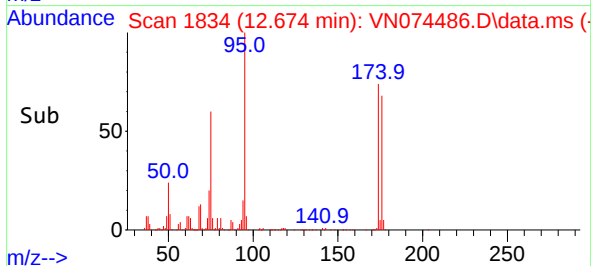
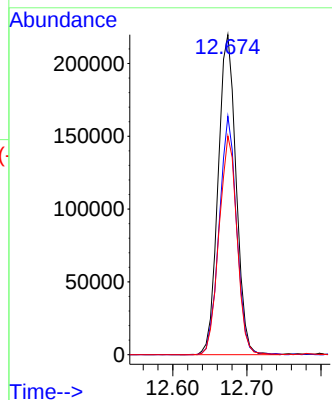
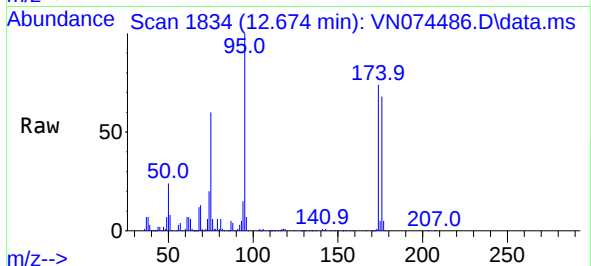




#62
4-Bromofluorobenzene
Concen: 54.862 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

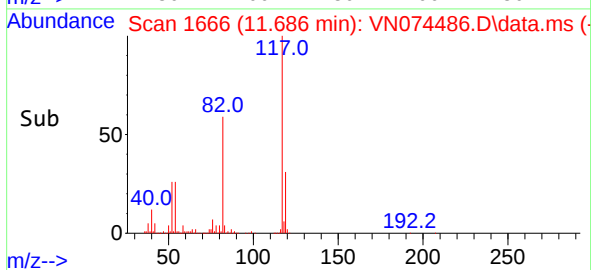
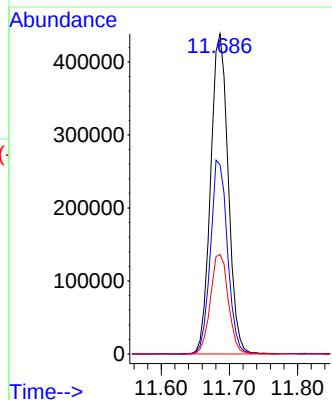
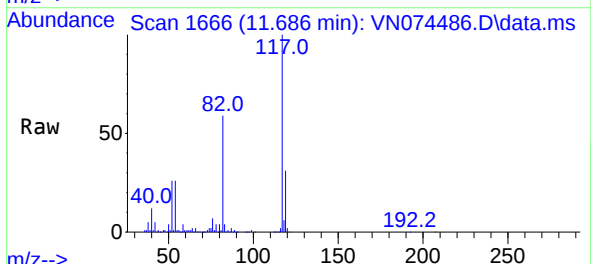
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

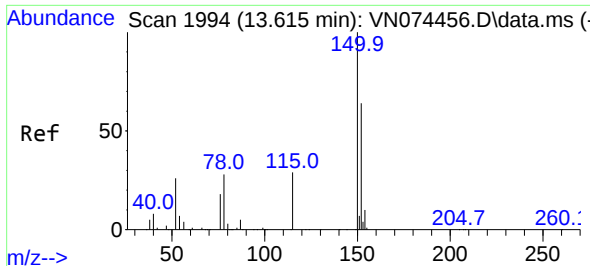
Tgt Ion: 95 Resp: 369770
Ion Ratio Lower Upper
95 100
174 72.5 0.0 167.6
176 68.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 117 Resp: 785626
Ion Ratio Lower Upper
117 100
82 59.1 44.2 66.2
119 31.0 25.4 38.0

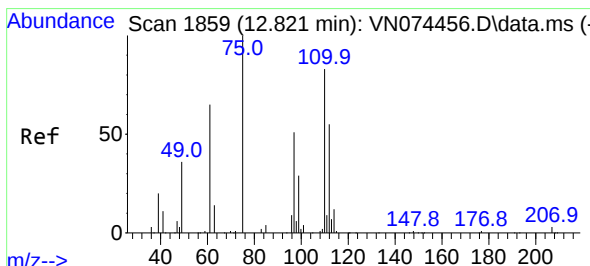
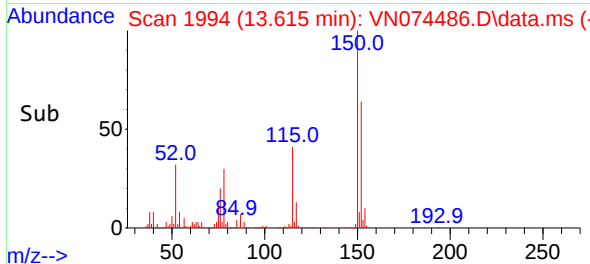
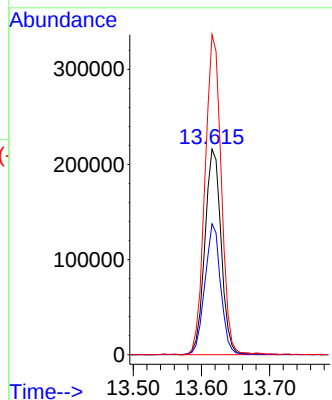
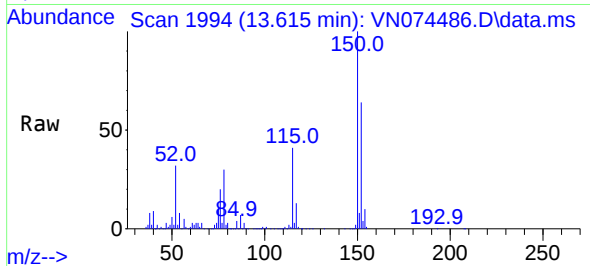




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074486.D
 Acq: 16 Sep 2022 02:04

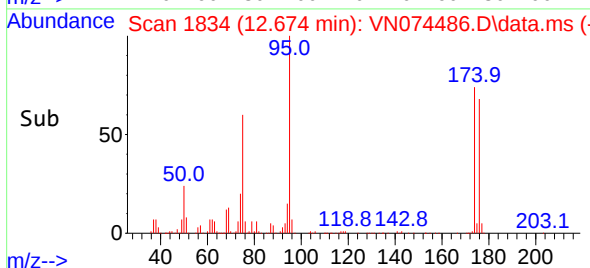
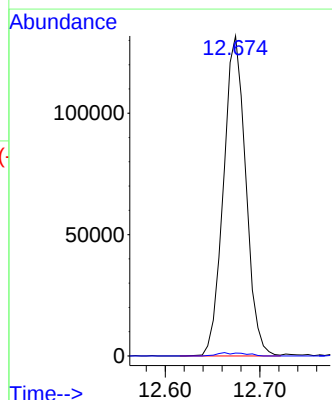
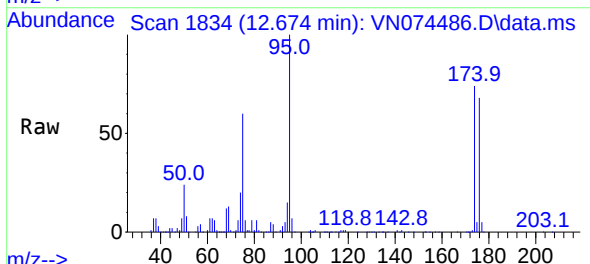
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-17-4-2

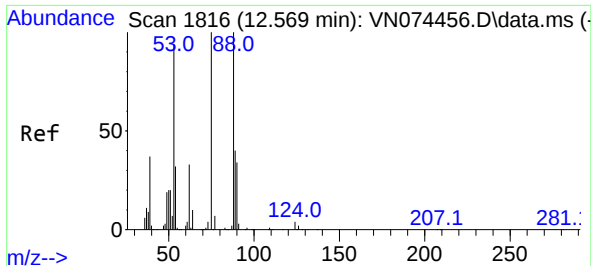
Tgt Ion:152 Resp: 359049
 Ion Ratio Lower Upper
 152 100
 115 61.8 28.9 86.7
 150 155.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 19.512 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074486.D
 Acq: 16 Sep 2022 02:04

Tgt Ion: 75 Resp: 215637
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

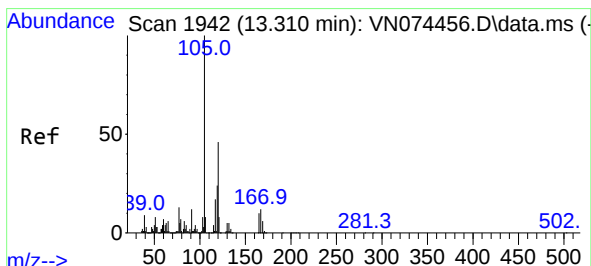
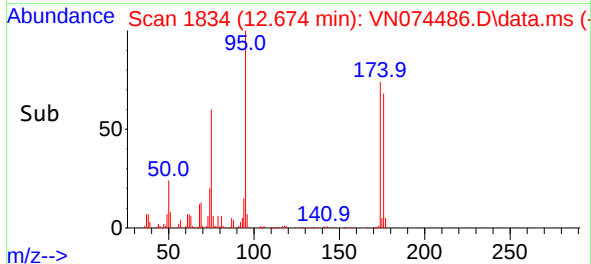
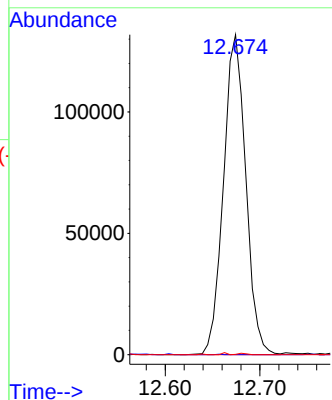
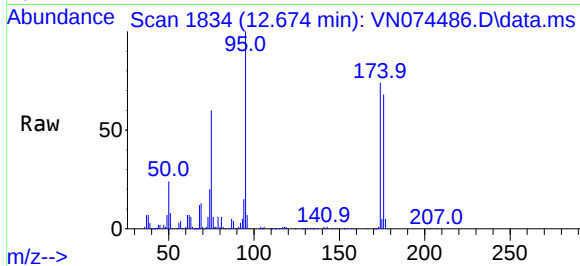




#81
trans-1,4-Dichloro-2-butene
Concen: 42.112 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

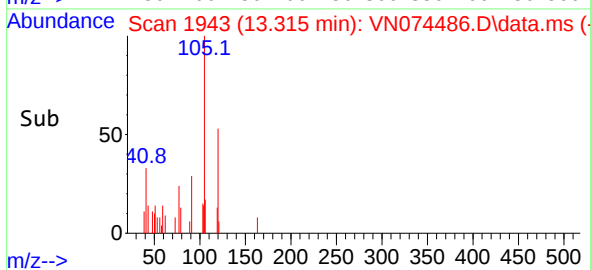
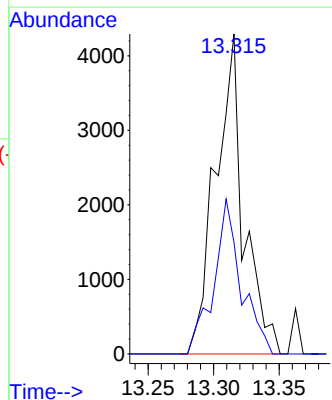
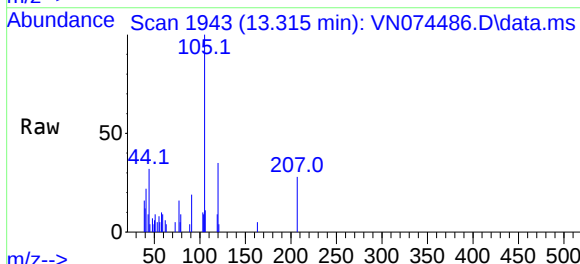
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

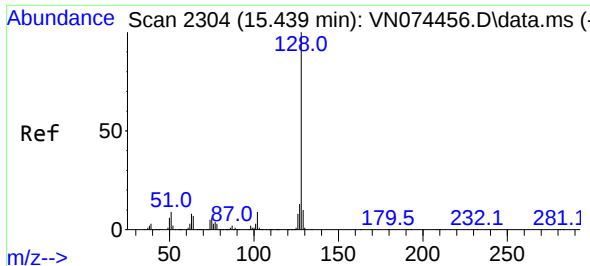
Tgt Ion: 75 Resp: 215637
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.213 ug/l
RT: 13.315 min Scan# 1943
Delta R.T. 0.005 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion: 105 Resp: 6411
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.8

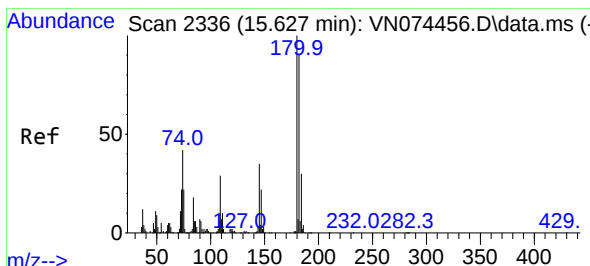
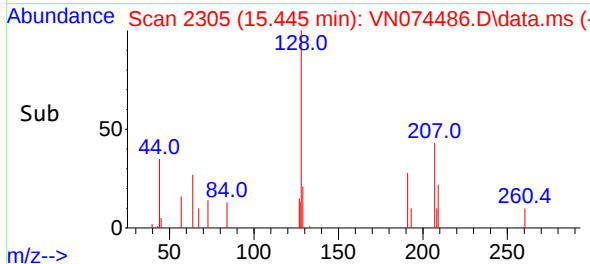
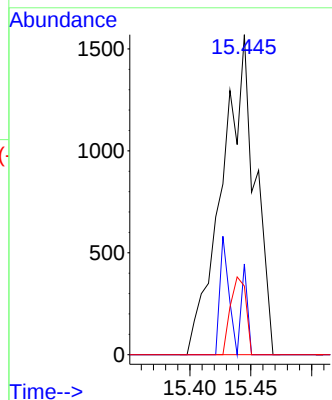
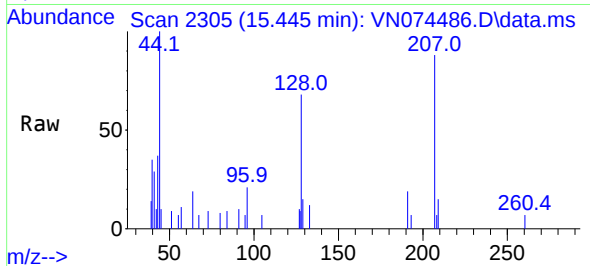




#95
Naphthalene
Concen: 1.682 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-2

Tgt Ion:128 Resp: 2955
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 11.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.345 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074486.D
Acq: 16 Sep 2022 02:04

Tgt Ion:180 Resp: 67
Ion Ratio Lower Upper
180 100
182 189.6 47.8 143.3#
145 97.0 15.5 46.5#

