

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074485.D
 Acq On : 16 Sep 2022 01:40
 Operator : JC\MD
 Sample : N4630-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-17-4-1-GR

Quant Time: Sep 16 07:00:38 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)

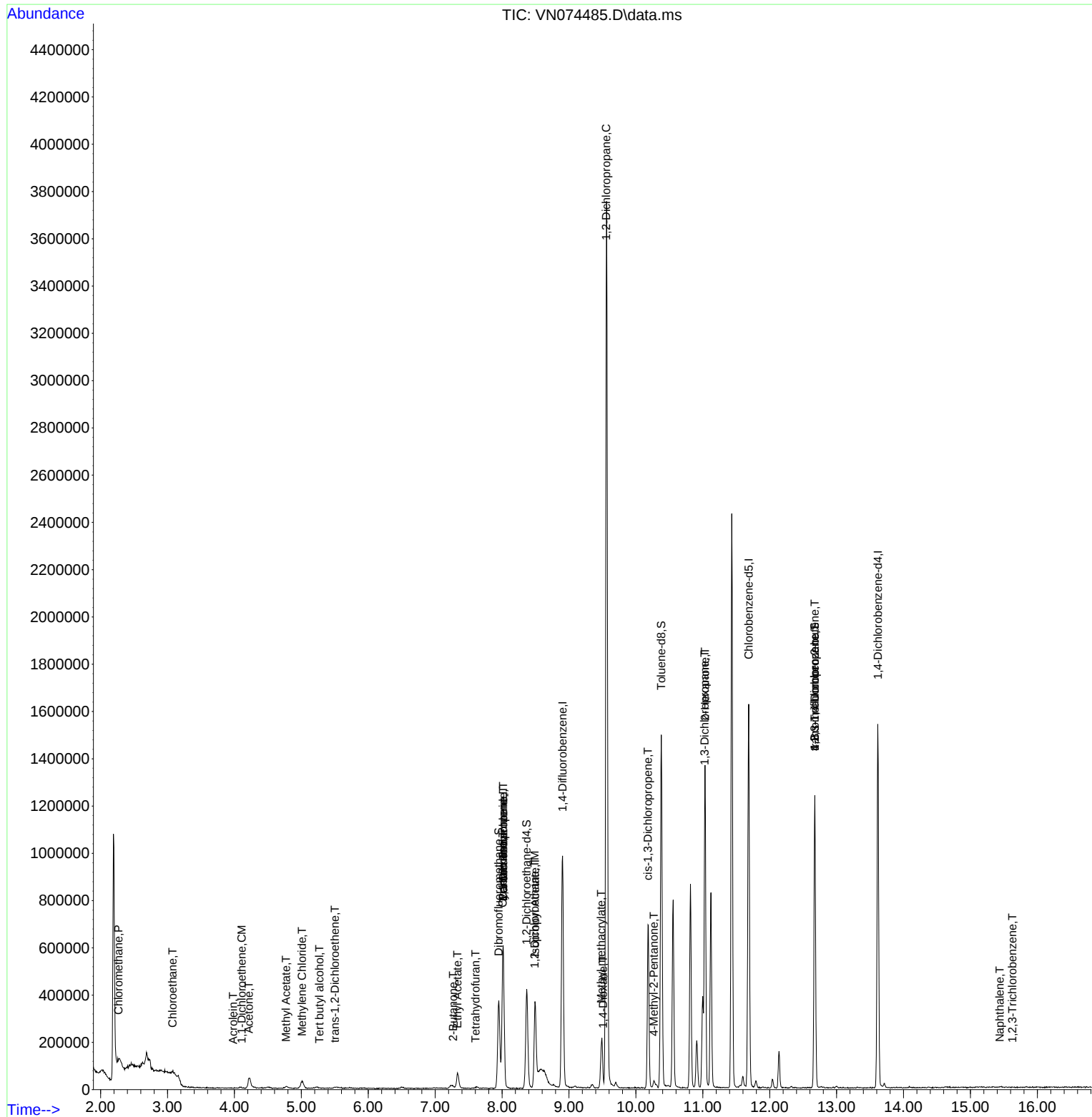
Internal Standards						
1) Pentafluorobenzene	8.016	168	420908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	825858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	831641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	365265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	317715	44.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.980%		
35) Dibromofluoromethane	7.951	113	255543	46.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.160%		
50) Toluene-d8	10.380	98	962698	45.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.740%		
62) 4-Bromofluorobenzene	12.674	95	388522	53.467	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.940%		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	4475	0.836	ug/l #	88
6) Chloroethane	3.075	64	37049	6.578	ug/l #	49
11) Tert butyl alcohol	5.269	59	1903	0.818	ug/l	97
12) 1,1-Dichloroethene	4.110	96	124	0.707	ug/l #	1
13) Acrolein	3.981	56	194	0.228	ug/l #	1
16) Acetone	4.216	43	84605	18.513	ug/l	90
18) Methyl Acetate	4.769	43	9332	0.657	ug/l #	84
20) Methylene Chloride	5.010	84	21872	3.164	ug/l #	88
21) trans-1,2-Dichloroethene	5.504	96	745	0.550	ug/l #	1
25) 2-Butanone	7.269	43	14485	1.909	ug/l #	84
28) Bromochloromethane	7.751	49	56	Below Cal	#	8
29) Tetrahydrofuran	7.604	42	2143	0.430	ug/l #	59
31) Cyclohexane	8.010	56	13167	1.039	ug/l #	50
36) 1,1-Dichloropropene	8.016	75	41259	4.249	ug/l #	48
37) Ethyl Acetate	7.334	43	100781	6.720	ug/l #	95
38) Carbon Tetrachloride	8.016	117	47031	5.246	ug/l #	15
42) 1,2-Dichloroethane	8.486	62	2305	0.224	ug/l #	74
43) Isopropyl Acetate	8.492	43	477201	20.315	ug/l #	82
45) 1,2-Dichloropropane	9.557	63	5301	0.642	ug/l #	44
48) Methyl methacrylate	9.480	41	13829	1.328	ug/l #	37
49) 1,4-Dioxane	9.510	88	384	1.918	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	17634	1.150	ug/l	95
54) cis-1,3-Dichloropropene	10.180	75	116554	9.222	ug/l #	73
57) 1,3-Dichloropropane	11.027	76	13444	1.028	ug/l #	43
59) 2-Hexanone	11.033	43	197045	16.827	ug/l #	47
76) 1,2,3-Trichloropropane	12.674	75	225301	20.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	225301	43.251	ug/l #	10
95) Naphthalene	15.439	128	2901	1.679	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.627	180	164	1.358	ug/l	87

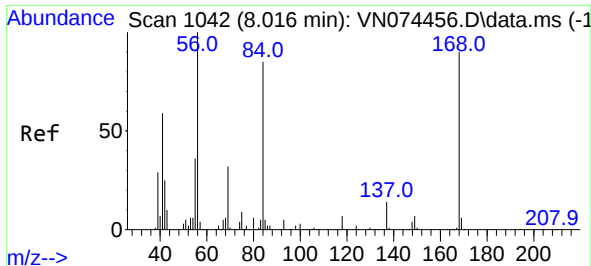
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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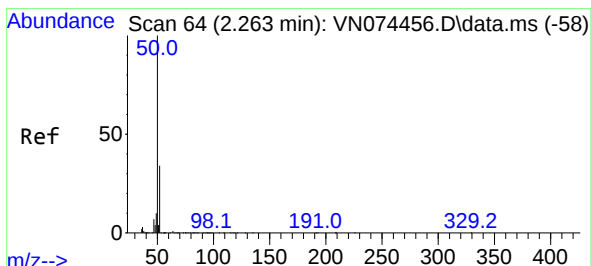
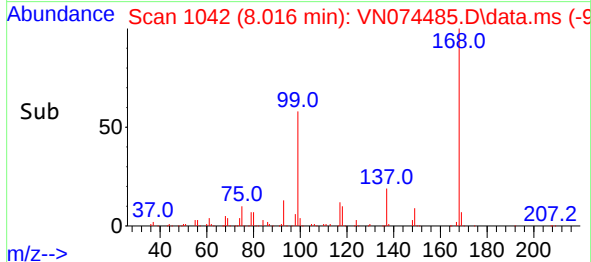
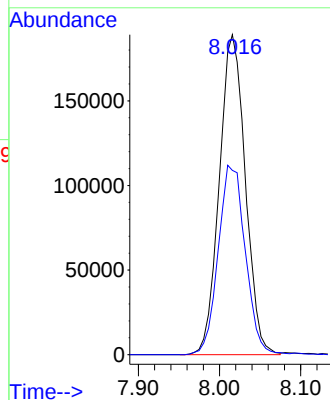
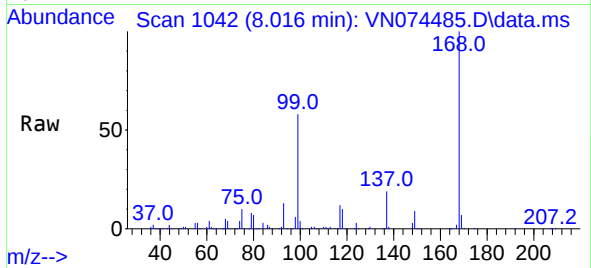




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

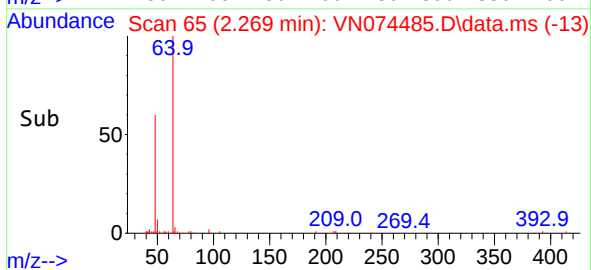
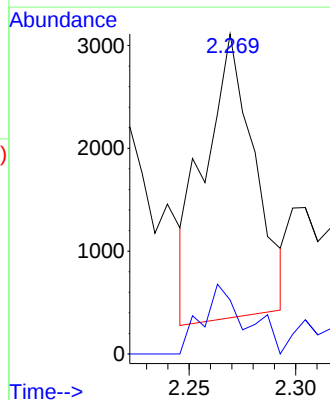
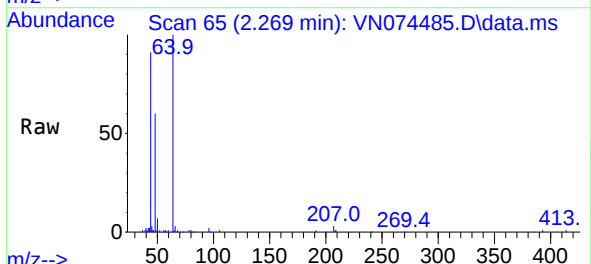
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

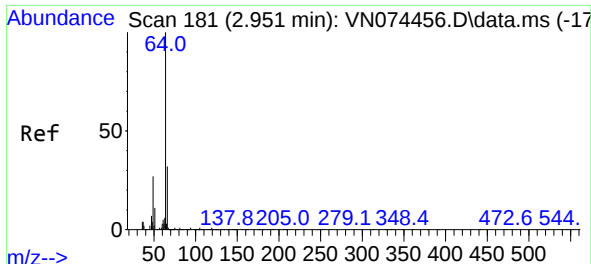
Tgt Ion:168 Resp: 420908
Ion Ratio Lower Upper
168 100
99 57.6 42.3 63.5



#3
Chloromethane
Concen: 0.836 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 50 Resp: 4475
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

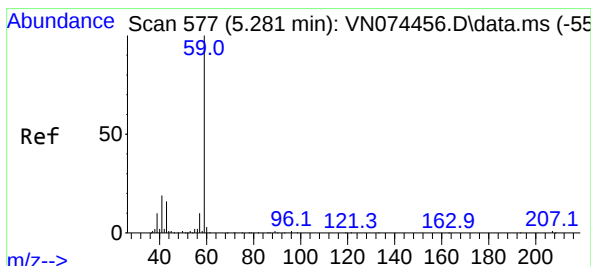
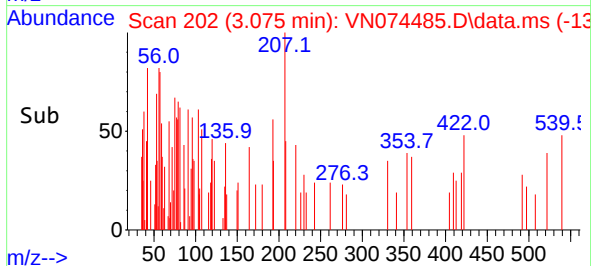
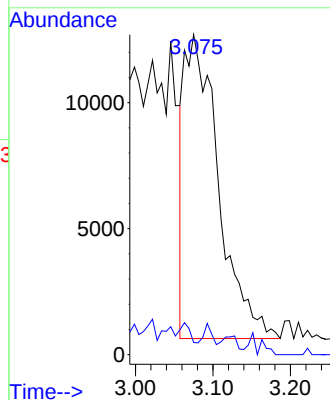
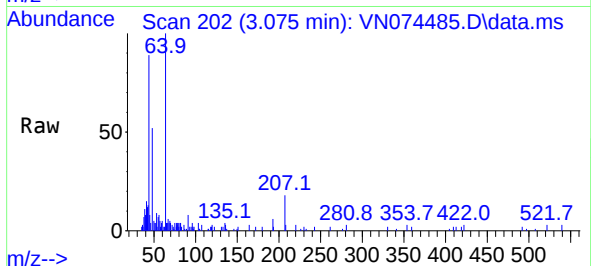




#6
Chloroethane
Concen: 6.578 ug/l
RT: 3.075 min Scan# 20
Delta R.T. 0.124 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

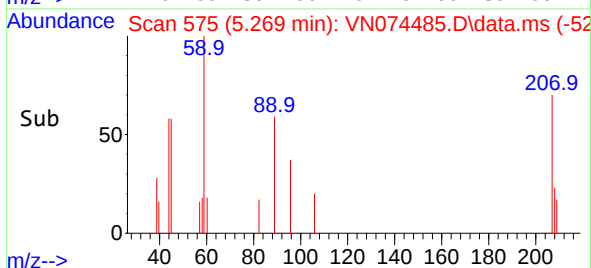
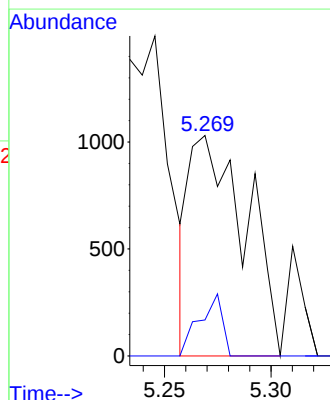
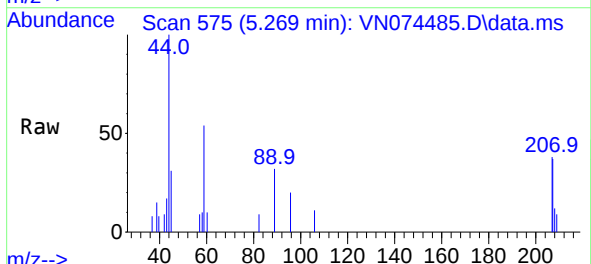
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

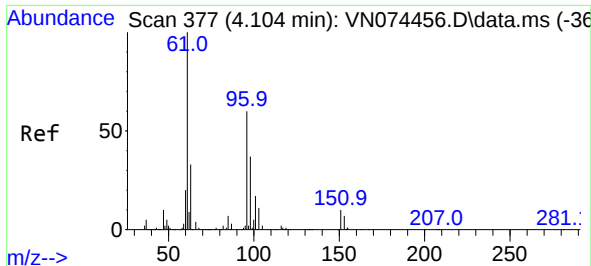
Tgt Ion: 64 Resp: 37049
Ion Ratio Lower Upper
64 100
66 4.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.818 ug/l
RT: 5.269 min Scan# 575
Delta R.T. -0.012 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 59 Resp: 1903
Ion Ratio Lower Upper
59 100
57 11.5 8.3 12.5

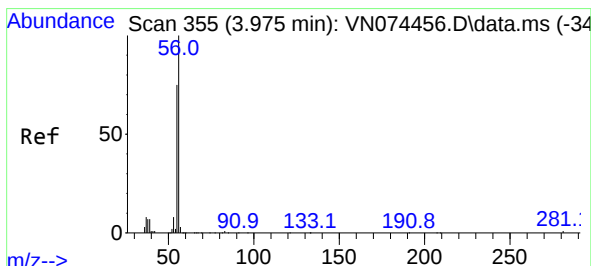
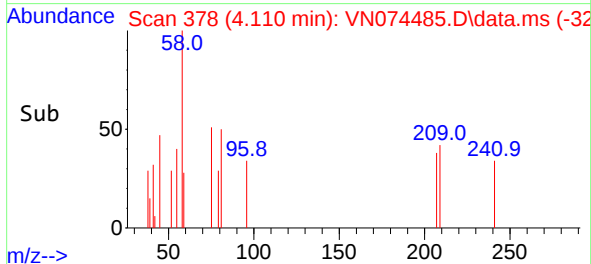
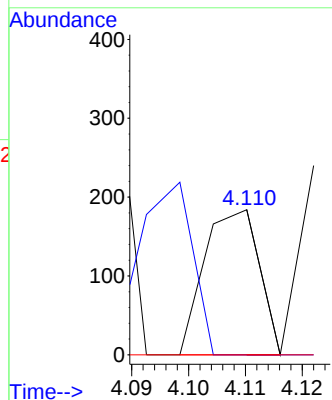
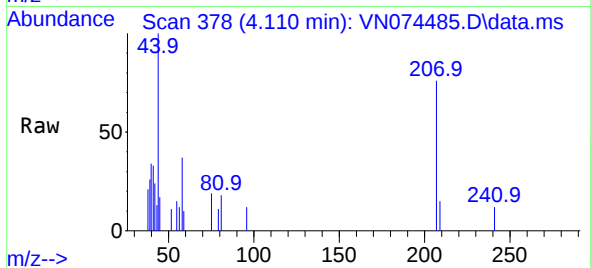




#12
1,1-Dichloroethene
Concen: 0.707 ug/l
RT: 4.110 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

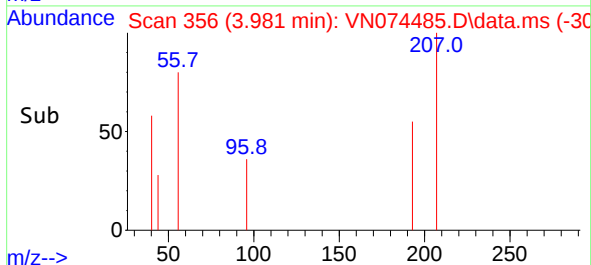
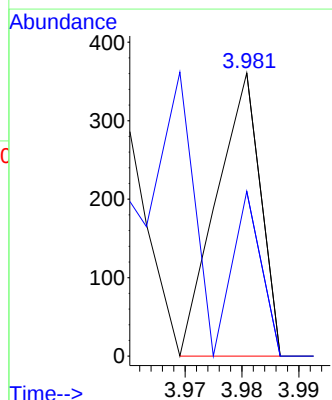
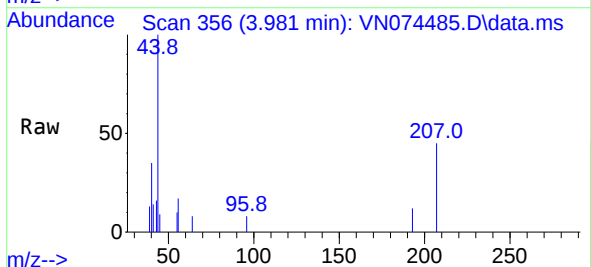
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

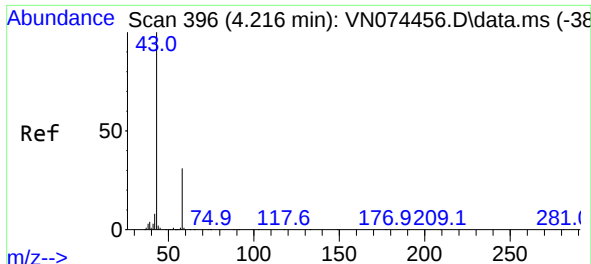
Tgt Ion: 96 Resp: 124
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.228 ug/l
RT: 3.981 min Scan# 356
Delta R.T. 0.006 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 222.7 54.8 82.2#

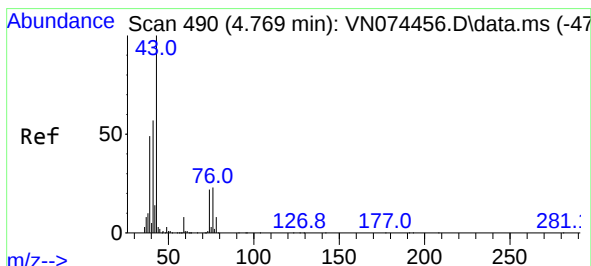
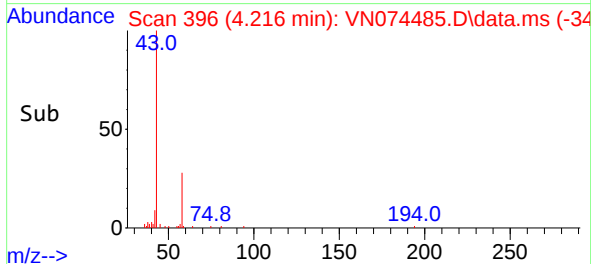
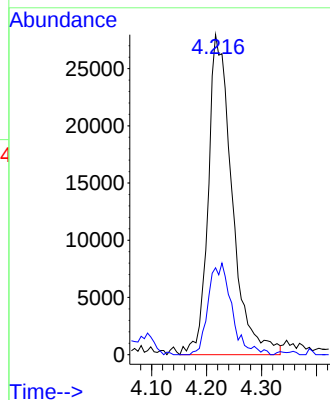
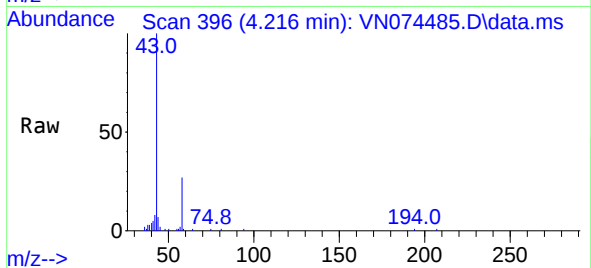




#16
Acetone
Concen: 18.513 ug/l
RT: 4.216 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

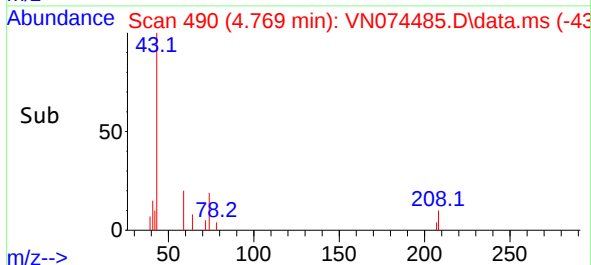
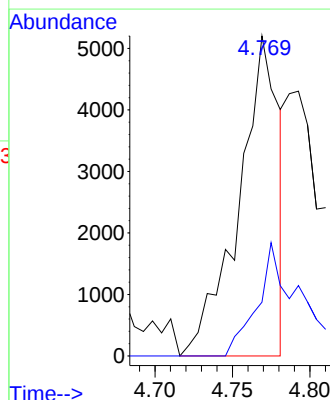
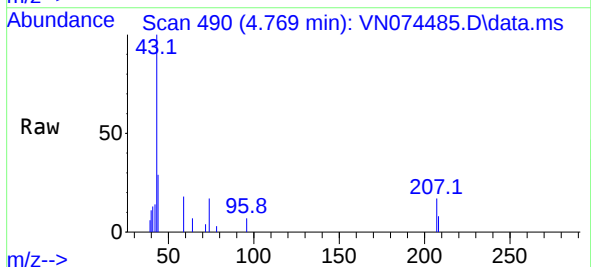
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

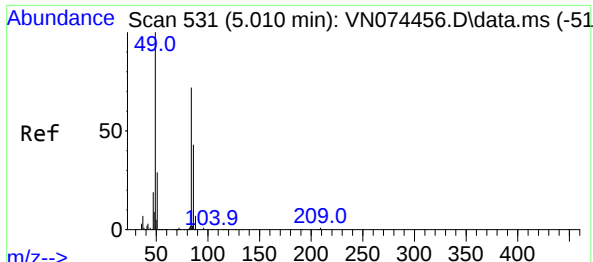
Tgt Ion: 43 Resp: 84605
Ion Ratio Lower Upper
43 100
58 27.1 26.0 39.0



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 4.769 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 43 Resp: 9332
Ion Ratio Lower Upper
43 100
74 35.2 21.6 32.4#



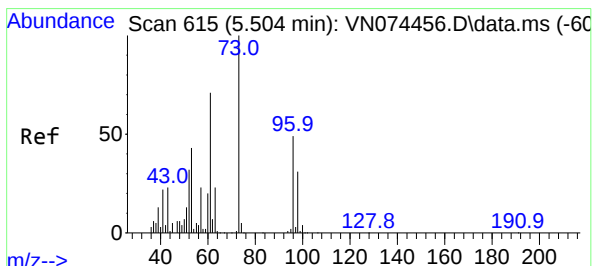
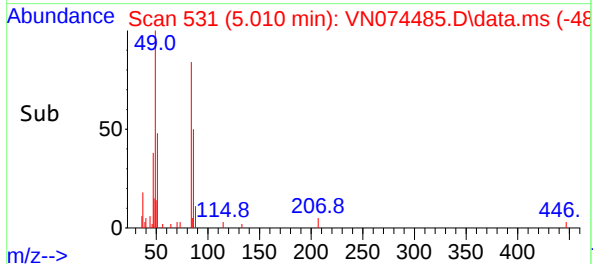
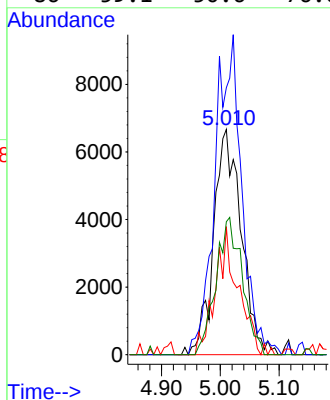
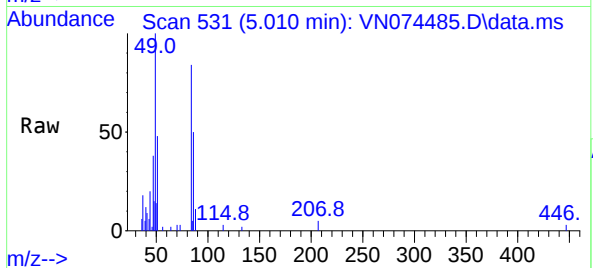


#20
Methylene Chloride
Concen: 3.164 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

Tgt Ion: 84 Resp: 21872

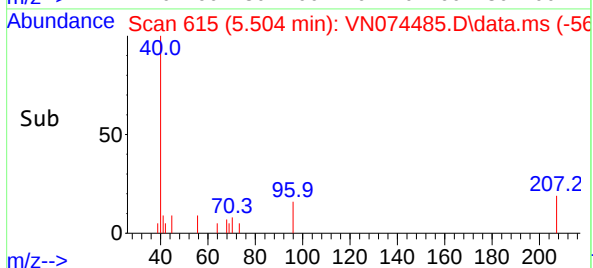
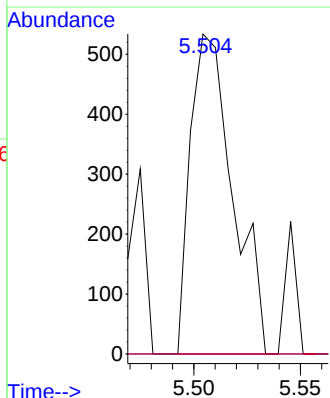
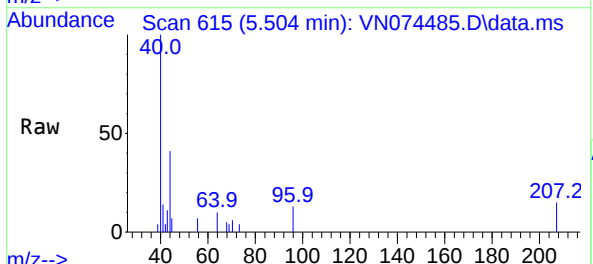
Ion	Ratio	Lower	Upper
84	100		
49	118.6	88.3	132.5
51	56.8	28.2	42.2#
86	59.1	50.6	76.0

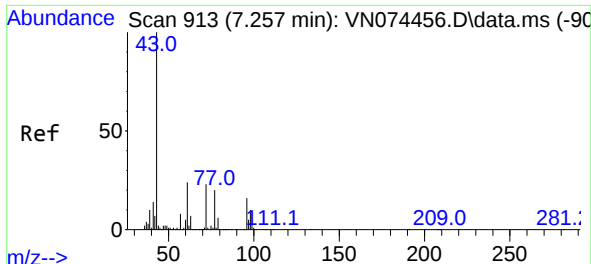


#21
trans-1,2-Dichloroethene
Concen: 0.550 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 96 Resp: 745

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#





#25

2-Butanone

Concen: 1.909 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN074485.D

Acq: 16 Sep 2022 01:40

Instrument :

MSVOA_N

ClientSampleId :

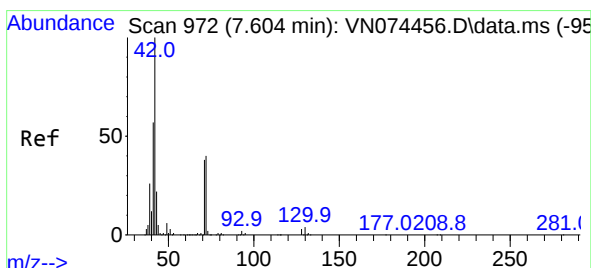
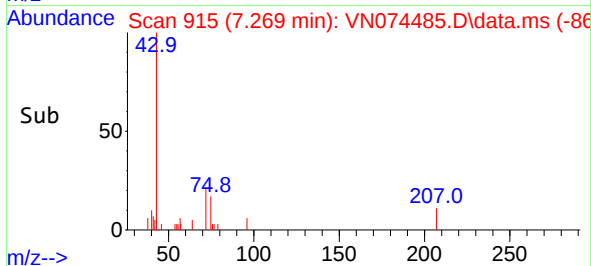
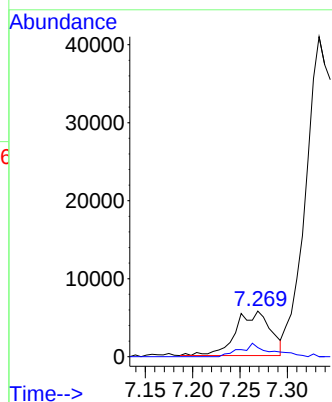
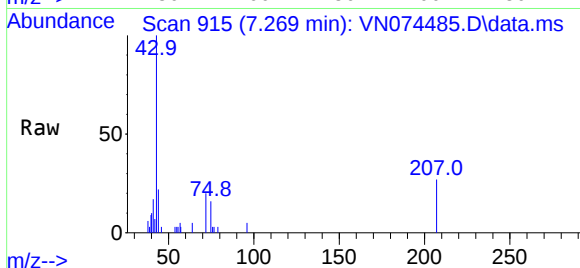
WC-17-4-1-GR

Tgt Ion: 43 Resp: 14485

Ion Ratio Lower Upper

43 100

72 20.7 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.430 ug/l

RT: 7.604 min Scan# 972

Delta R.T. 0.000 min

Lab File: VN074485.D

Acq: 16 Sep 2022 01:40

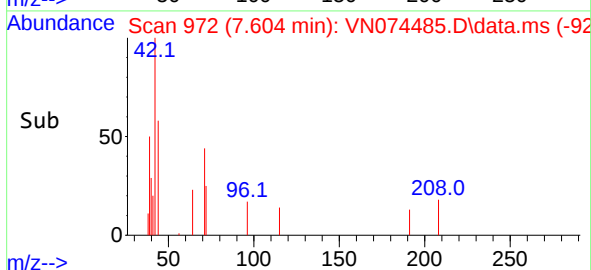
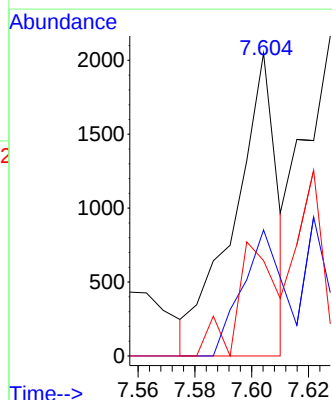
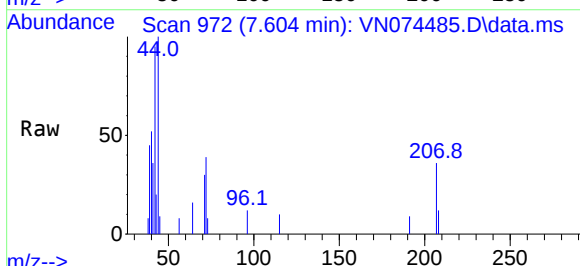
Tgt Ion: 42 Resp: 2143

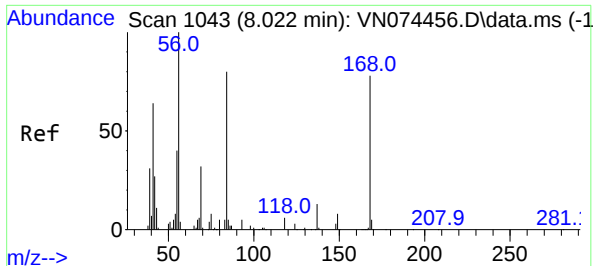
Ion Ratio Lower Upper

42 100

72 39.9 39.7 59.5

71 0.0 36.6 55.0#

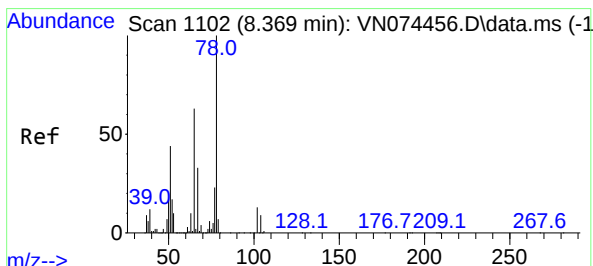
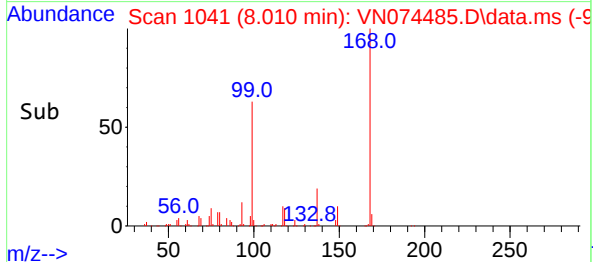
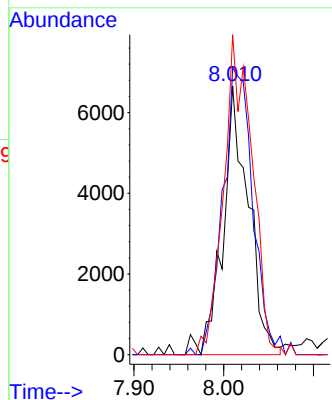
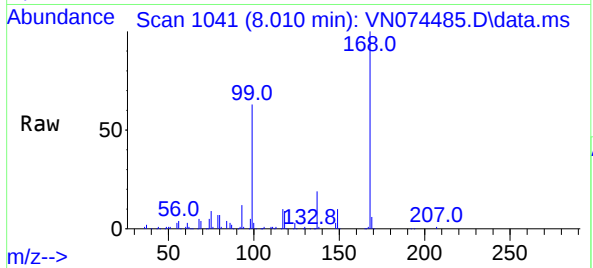




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

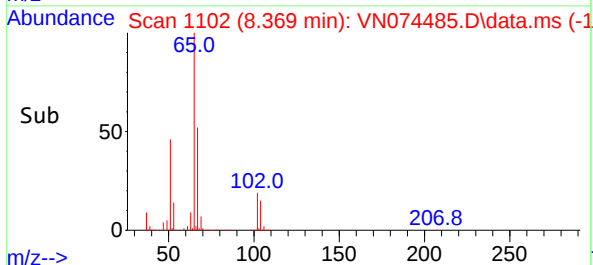
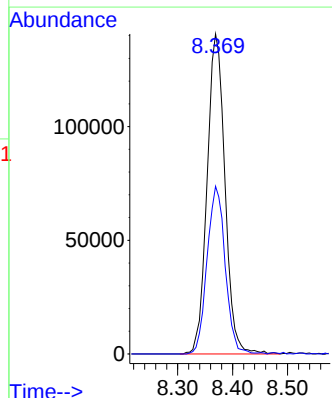
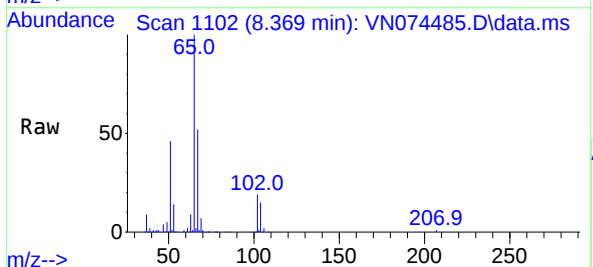
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

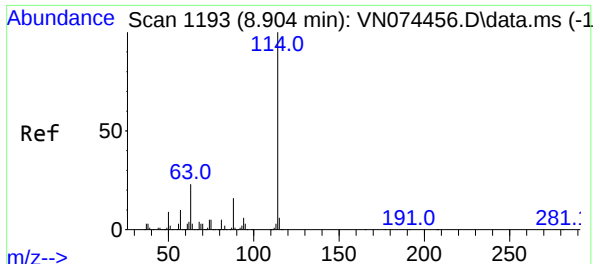
Tgt Ion: 56 Resp: 13167
Ion Ratio Lower Upper
56 100
69 106.6 27.8 41.8#
84 119.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.487 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 65 Resp: 317715
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8

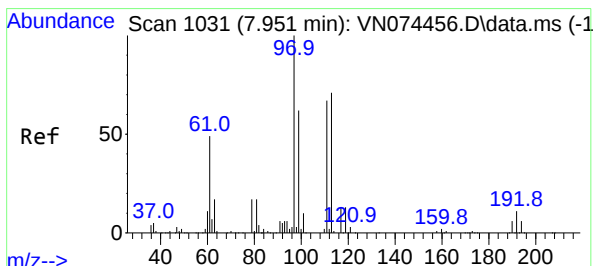
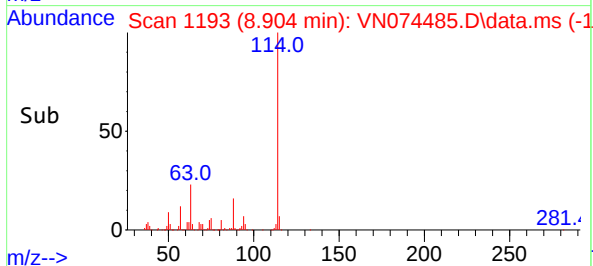
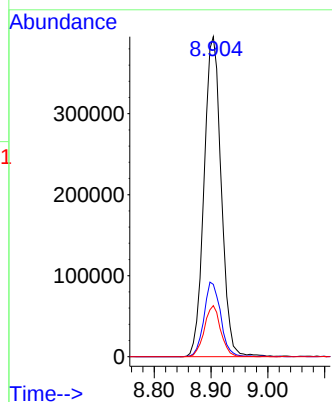
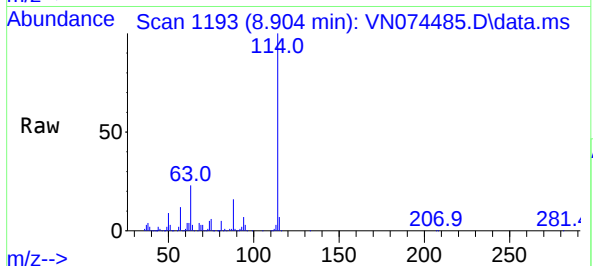




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

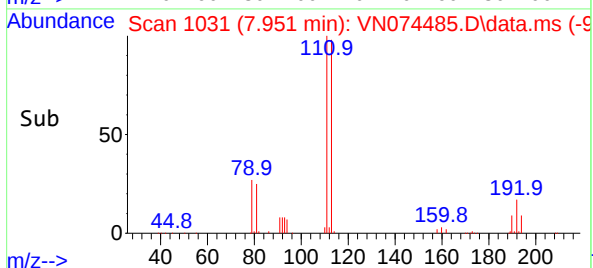
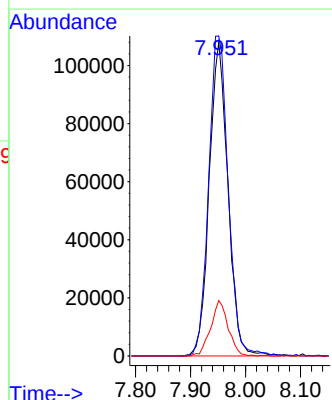
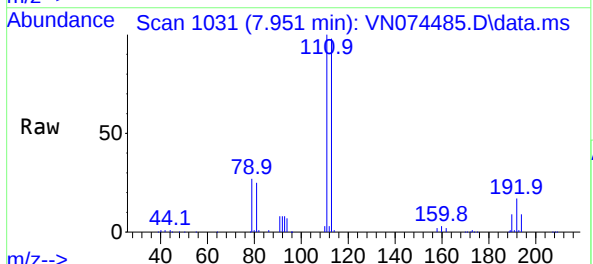
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

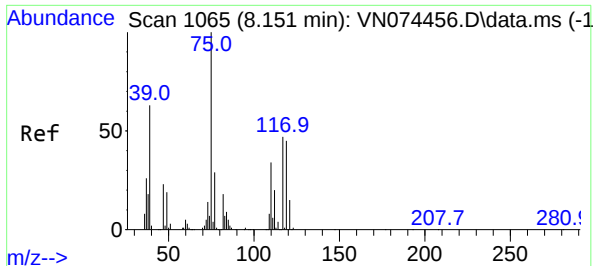
Tgt Ion:	114	Resp:	825858
Ion Ratio	Lower	Upper	
114	100		
63	22.6	0.0	40.0
88	15.9	0.0	32.6



#35
Dibromofluoromethane
Concen: 46.581 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion:	113	Resp:	255543
Ion Ratio	Lower	Upper	
113	100		
111	106.6	81.4	122.0
192	16.5	17.0	25.6#

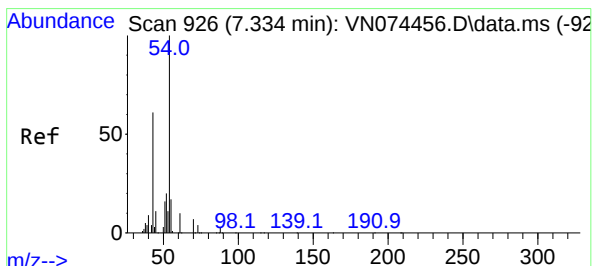
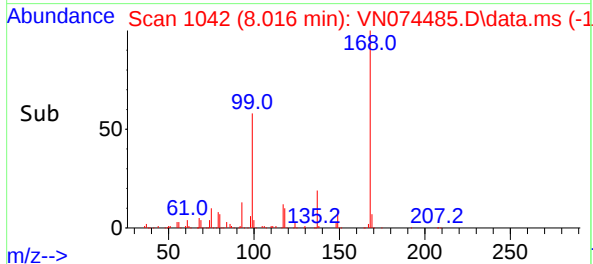
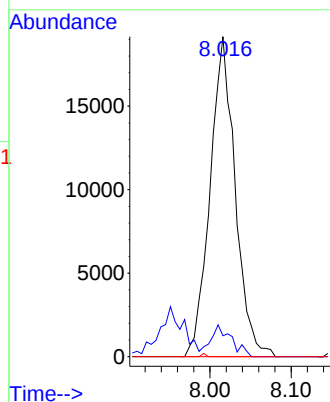
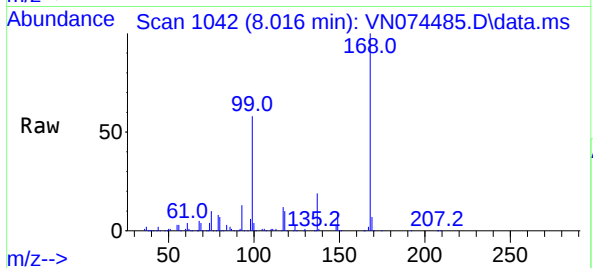




#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

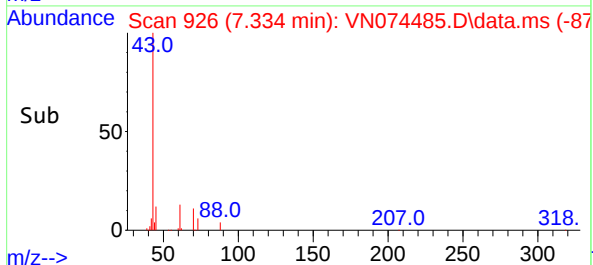
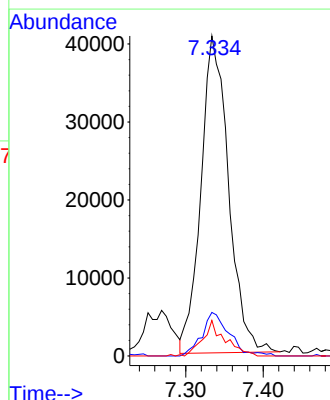
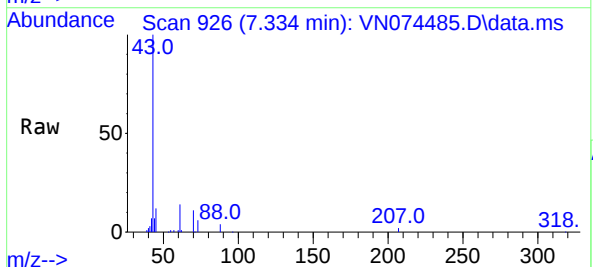
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

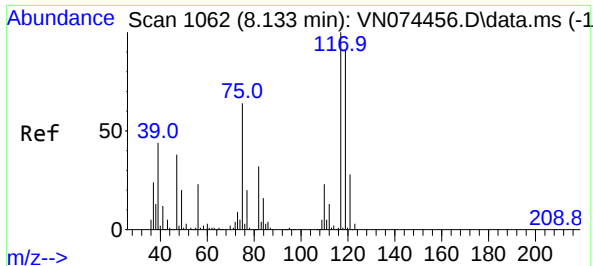
Tgt Ion: 75 Resp: 41259
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 6.720 ug/l
RT: 7.334 min Scan# 926
Delta R.T. -0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 43 Resp: 100781
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 8.9 9.3 13.9#

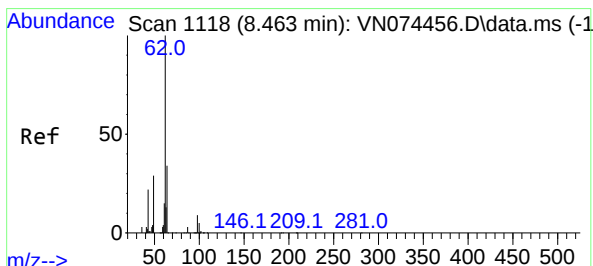
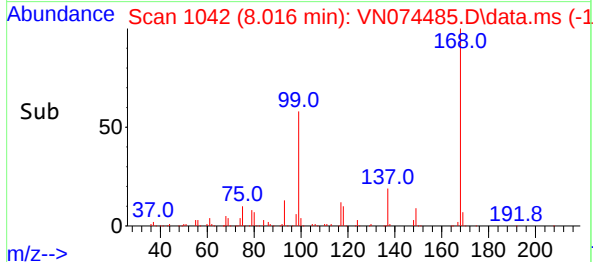
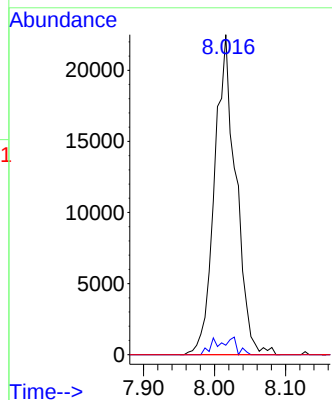
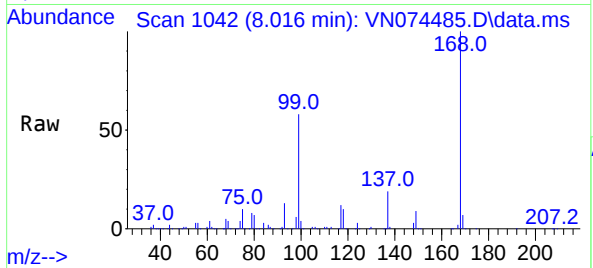




#38
Carbon Tetrachloride
Concen: 5.246 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

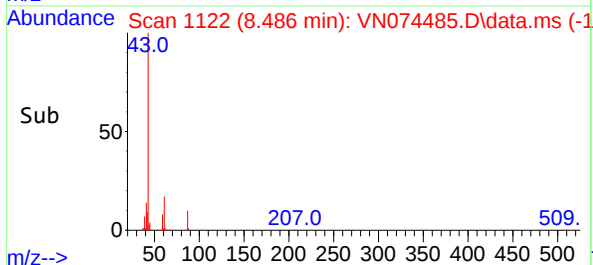
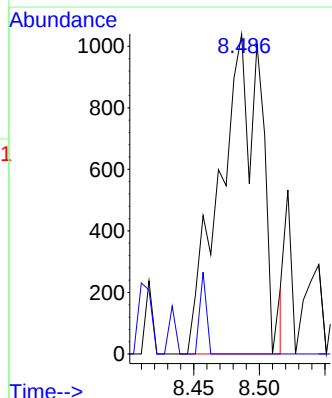
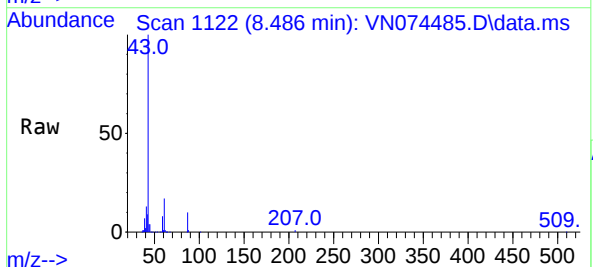
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

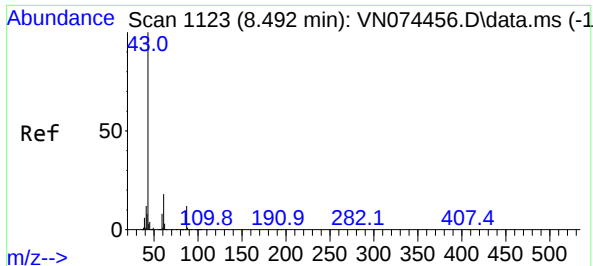
Tgt Ion:117 Resp: 47031
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. 0.023 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 62 Resp: 2305
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

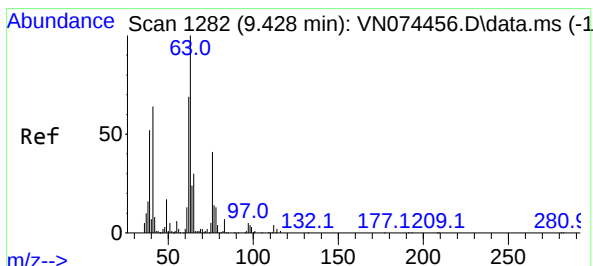
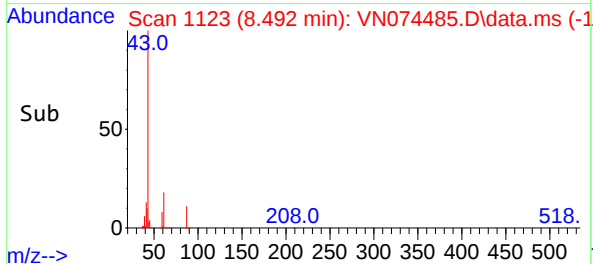
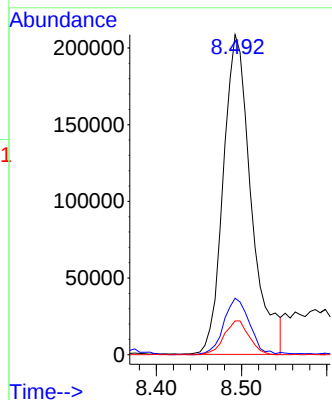
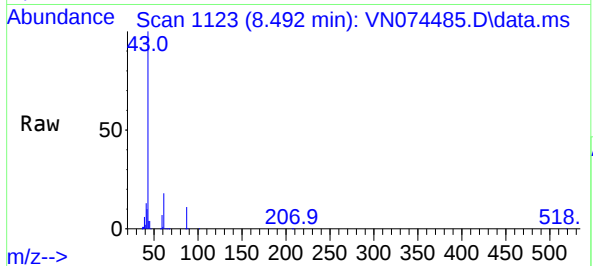




#43
Isopropyl Acetate
Concen: 20.315 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

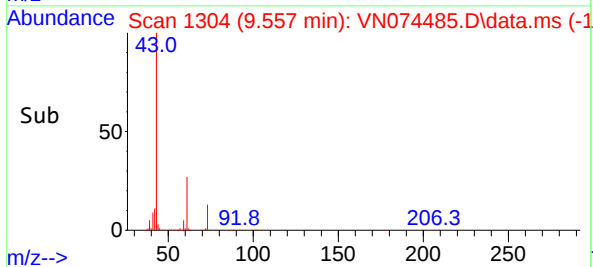
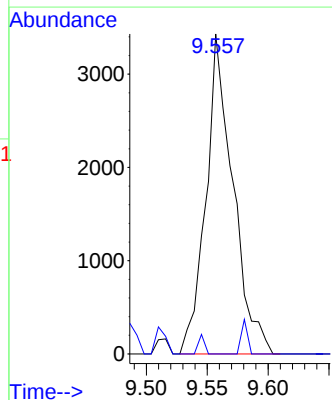
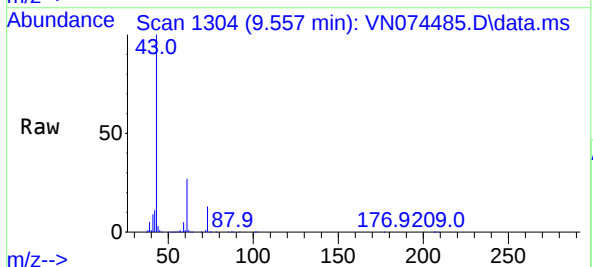
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

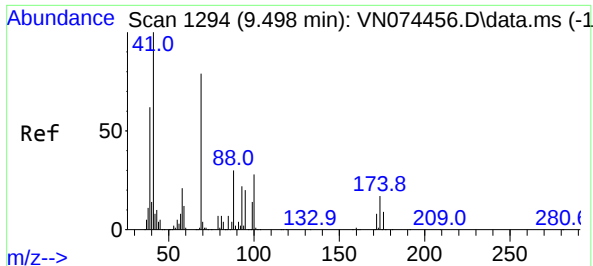
Tgt Ion: 43 Resp: 477201
Ion Ratio Lower Upper
43 100
61 16.4 21.9 32.9#
87 9.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.642 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.129 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 63 Resp: 5301
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

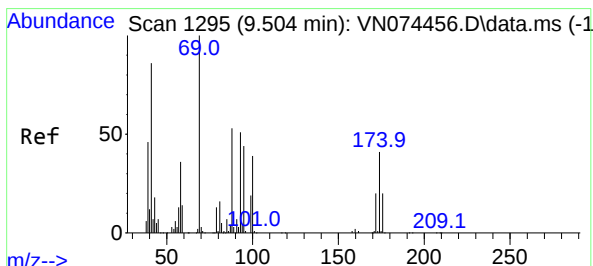
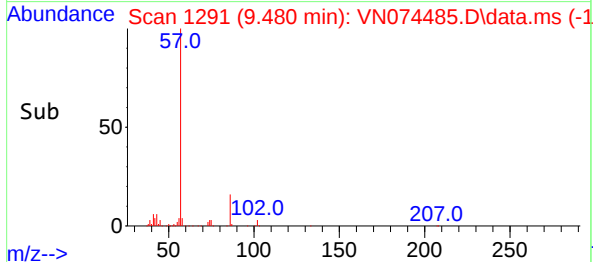
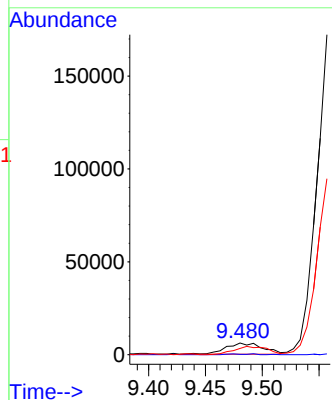
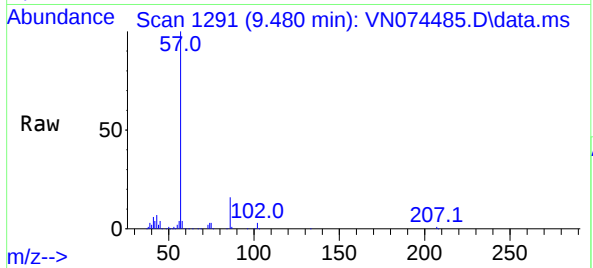




#48
Methyl methacrylate
Concen: 1.328 ug/l
RT: 9.480 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

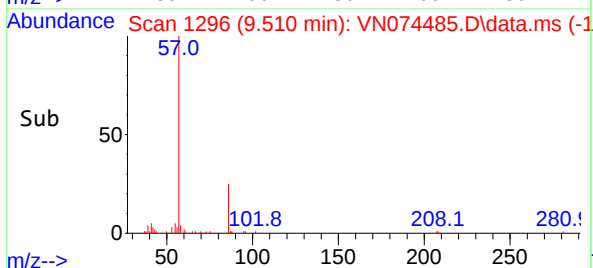
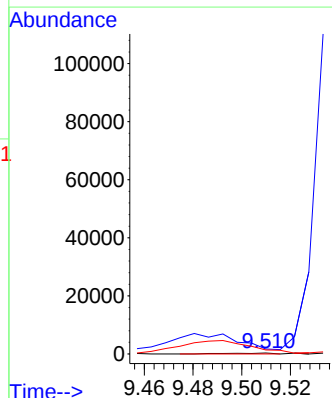
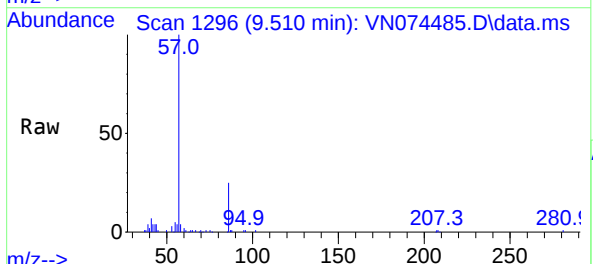
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

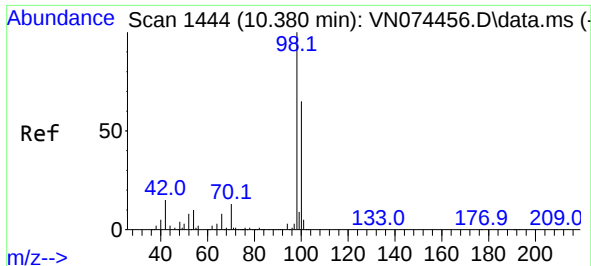
Tgt Ion: 41 Resp: 13829
Ion Ratio Lower Upper
41 100
69 2.1 74.7 112.1#
39 65.7 45.6 68.4



#49
1,4-Dioxane
Concen: 1.918 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 88 Resp: 384
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 2571.9 54.2 81.4#

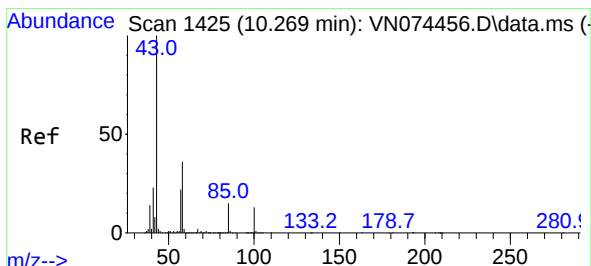
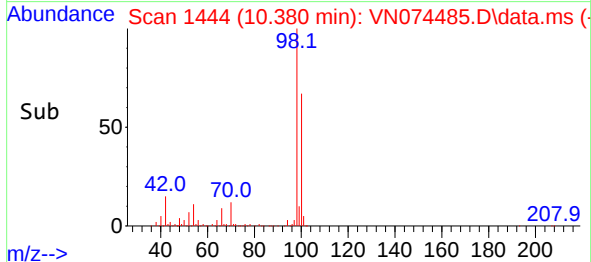
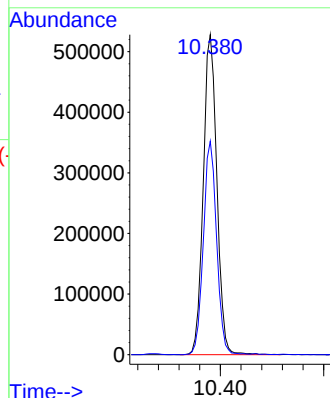
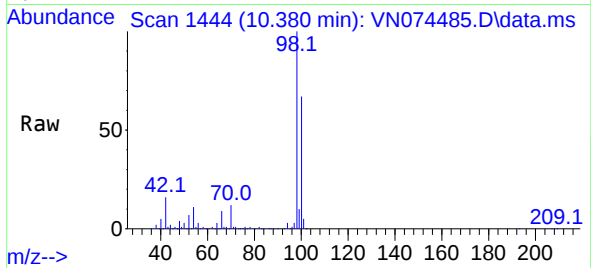




#50
Toluene-d8
Concen: 45.375 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

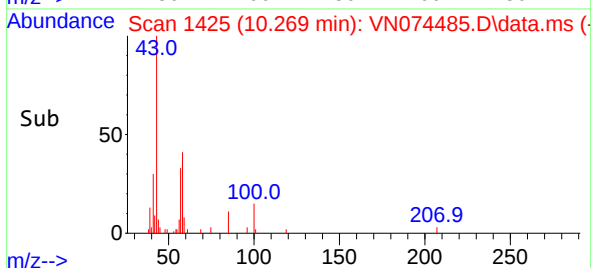
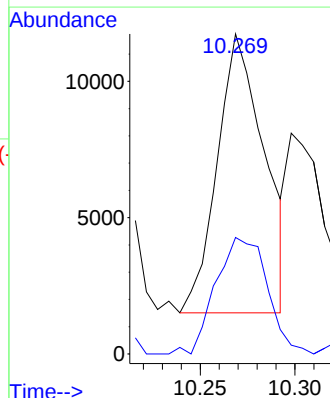
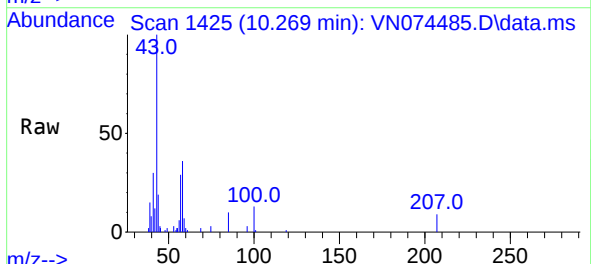
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

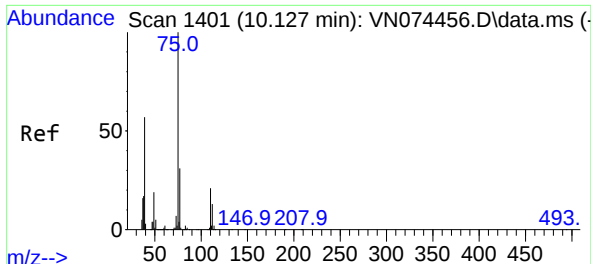
Tgt Ion: 98 Resp: 962698
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.150 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 43 Resp: 17634
Ion Ratio Lower Upper
43 100
58 45.8 34.1 51.1

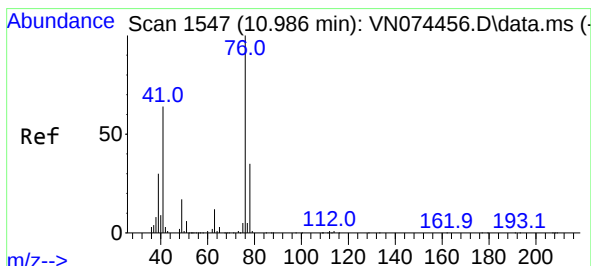
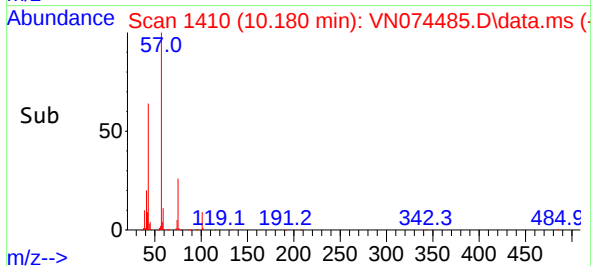
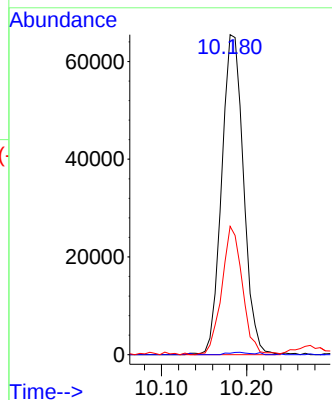
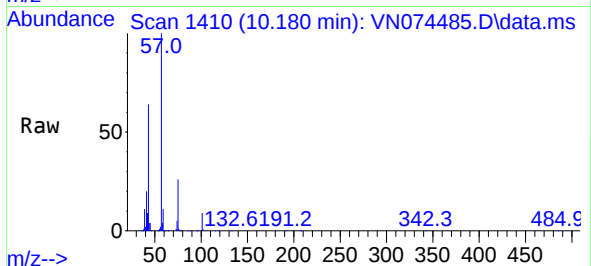




#54
cis-1,3-Dichloropropene
Concen: 9.222 ug/l
RT: 10.180 min Scan# 1410
Delta R.T. 0.053 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

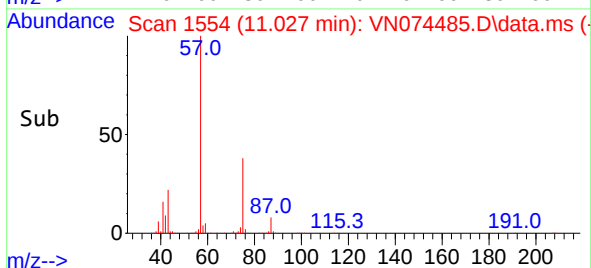
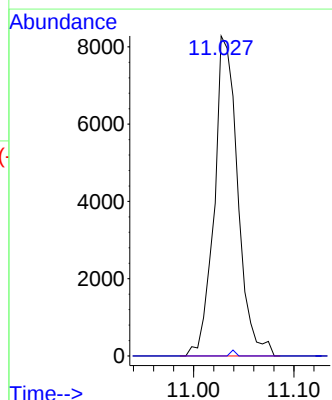
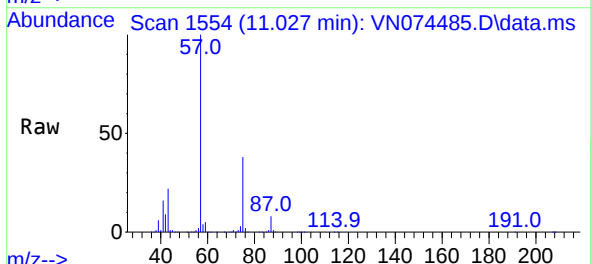
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

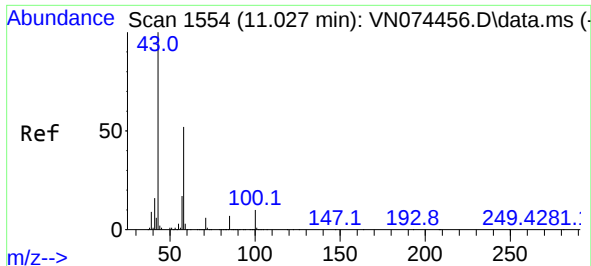
Tgt Ion: 75 Resp: 116554
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 40.1 35.7 53.5



#57
1,3-Dichloropropane
Concen: 1.028 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.041 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 76 Resp: 13444
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

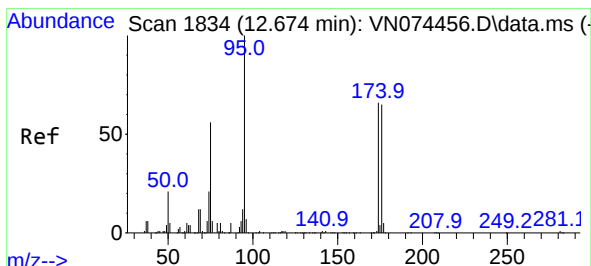
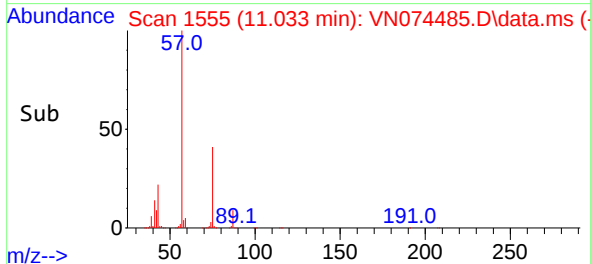
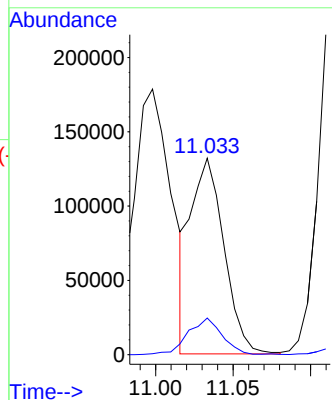
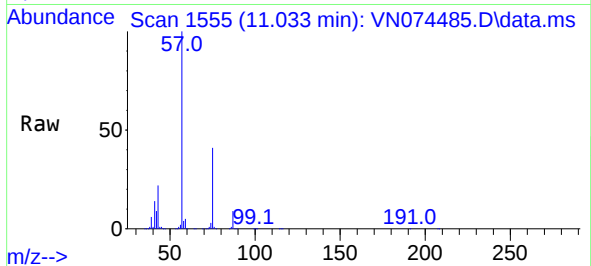




#59
2-Hexanone
Concen: 16.827 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

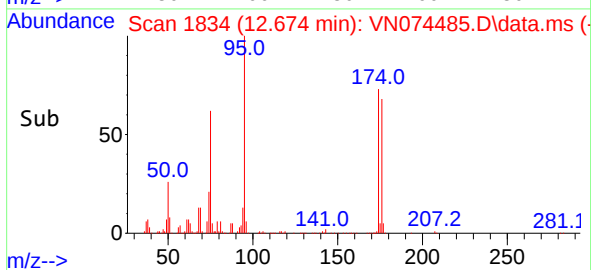
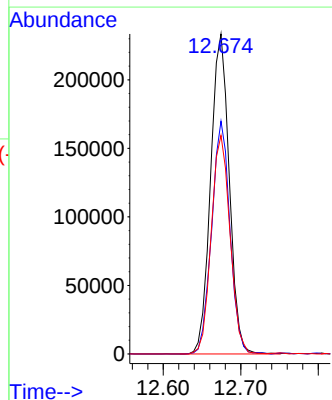
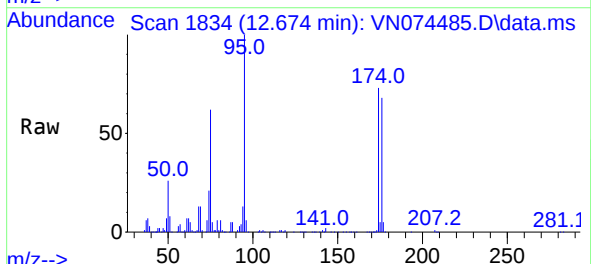
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

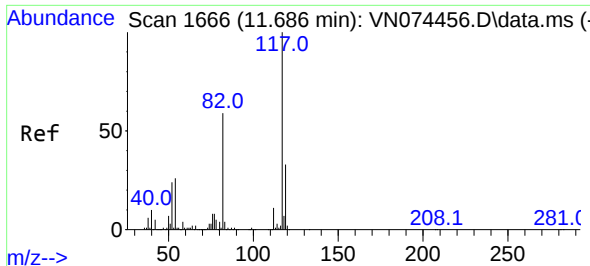
Tgt Ion: 43 Resp: 197045
Ion Ratio Lower Upper
43 100
58 19.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 53.467 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 95 Resp: 388522
Ion Ratio Lower Upper
95 100
174 71.5 0.0 167.6
176 68.9 0.0 163.4

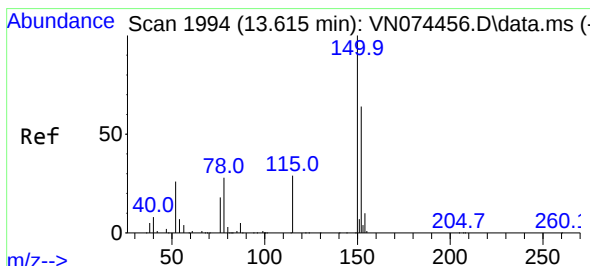
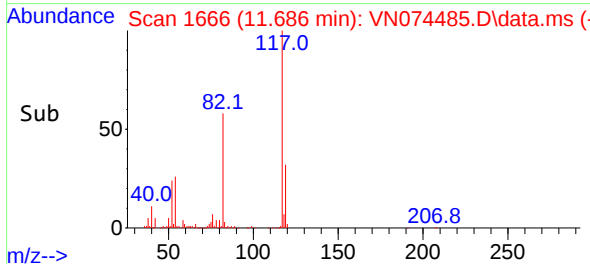
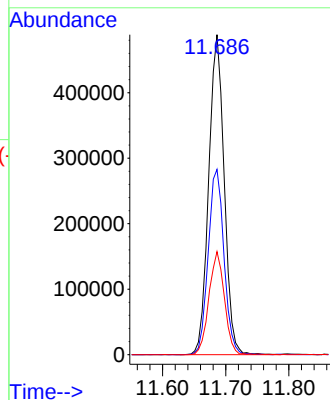
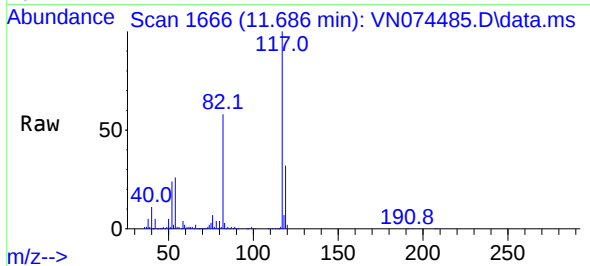




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

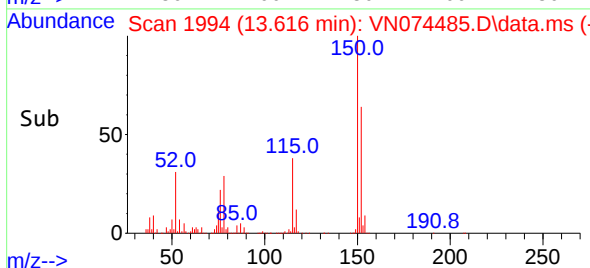
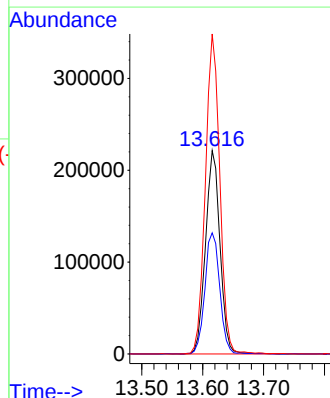
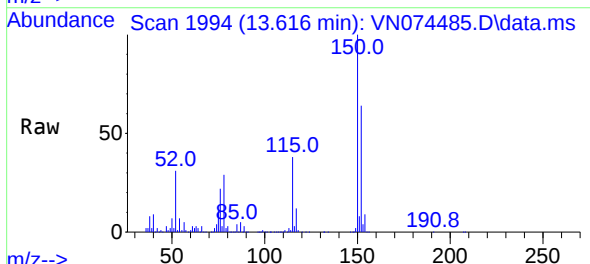
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

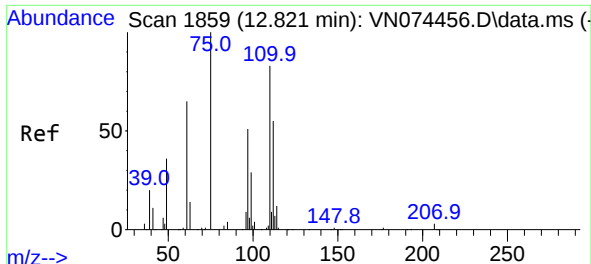
Tgt Ion:	117	Resp:	831641
Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.2	66.2
119	32.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion:	152	Resp:	365265
Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.9	86.7
150	156.4	0.0	356.2

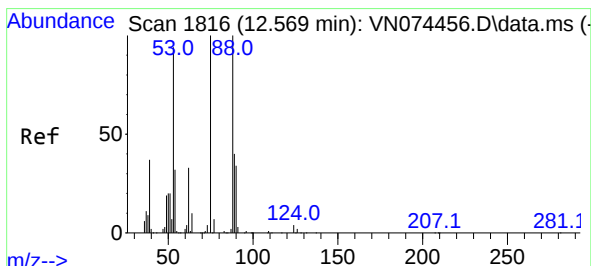
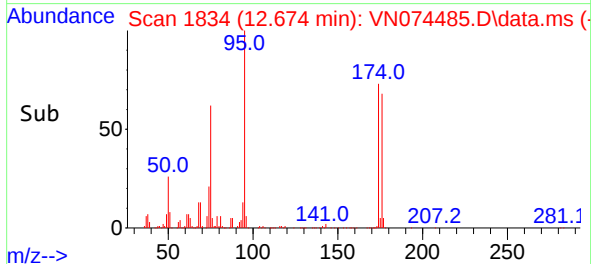
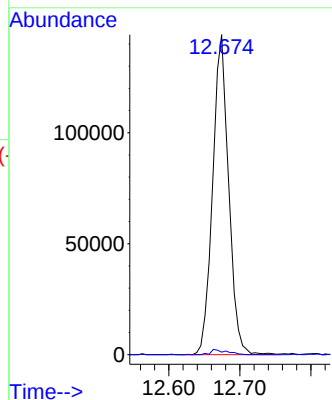
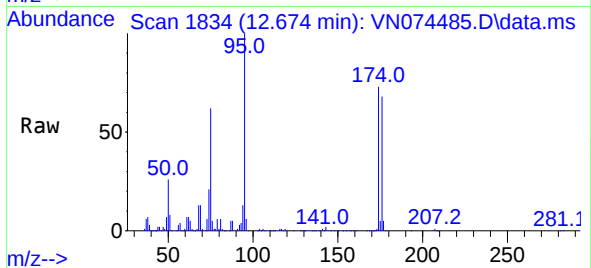




#76
1,2,3-Trichloropropane
Concen: 20.039 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

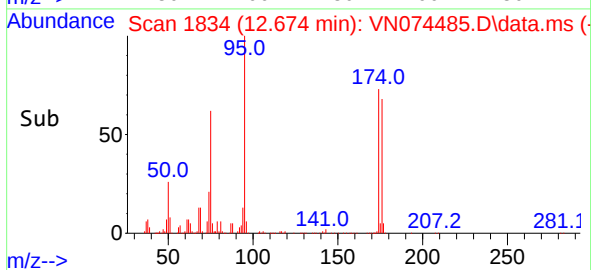
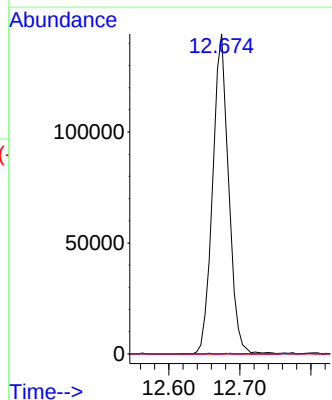
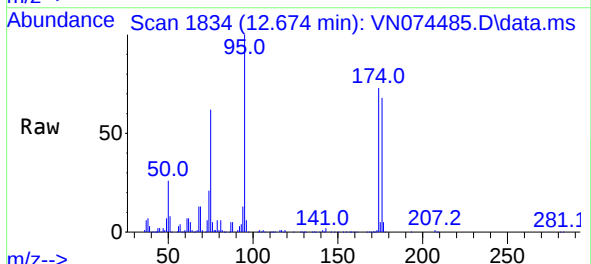
Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

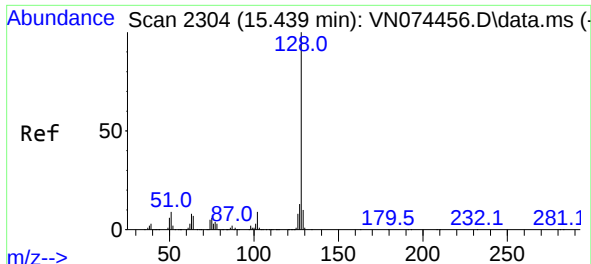
Tgt Ion: 75 Resp: 225301
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.251 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion: 75 Resp: 225301
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

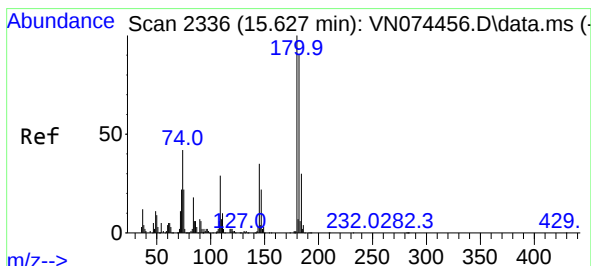
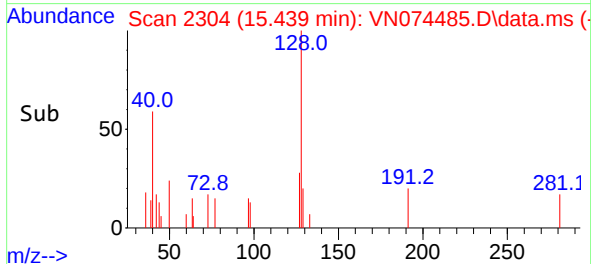
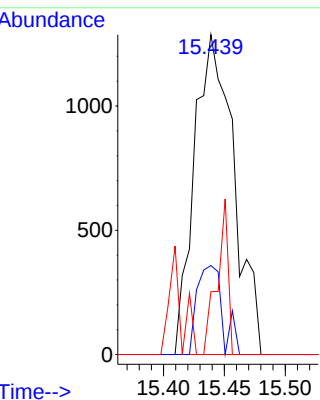
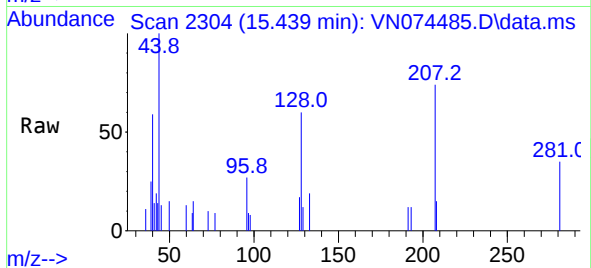




#95
Naphthalene
Concen: 1.679 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Instrument :
MSVOA_N
ClientSampleId :
WC-17-4-1-GR

Tgt Ion:	128	Resp:	2901
Ion	Ratio	Lower	Upper
128	100		
127	17.9	10.3	15.5#
129	13.8	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.358 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074485.D
Acq: 16 Sep 2022 01:40

Tgt Ion:	180	Resp:	164
Ion	Ratio	Lower	Upper
180	100		
182	106.1	47.8	143.3
145	42.1	15.5	46.5

